



Product Catalog
April 2019

Fire Alarm Systems

Contents

| | | |
|-----------|--|----------------|
| 1 | General Hints | 3-7 |
| | Foreword | 3 |
| | Accreditations / Approvals | 4 |
| | List of Abbreviations | 5 |
| | Information about packing unit and phase out | 6 |
| | Information about Symbols used and IP type of protection | 7 |
| 2 | Conventional and Single Loop Panels | 10-12 |
| | ES Line/Conventional | 10 |
| | Compact/Intelligent Addressable | 11-12 |
| 3 | System IQ8Control | 14-35 |
| | IQ8Control C/Intelligent Addressable | 14-18 |
| | IQ8Control M/Intelligent Addressable | 19-21 |
| | Accessories | 22-35 |
| 4 | System FlexES Control | 38-62 |
| | FlexES Control/Intelligent Addressable | 38-46 |
| | Power Supply Extension | 47-51 |
| | Extension Modules | 52 |
| | 19" Rack/Intelligent Addressable | 53-58 |
| | Modules for FlexES System | 59-60 |
| | Accessories FlexES Control | 61-62 |
| 5 | Extinguishing Control Panels | 64-68 |
| | Wall Mounting/System 8010 | 64 |
| | Extinguishing control panel 8010 - 19" (3 HU) | 65-68 |
| 6 | Displays, Operating Units, Printers | 70-80 |
| | System IQ8Control | 70-72 |
| | ES Line, Compact, FlexES Control | 73-78 |
| | Remote Access | 79 |
| | External Printers | 80 |
| 7 | Power Supplies | 82-87 |
| | Power Supply Units | 82-83 |
| | Voltage Converters | 84-85 |
| | Batteries (Rechargeable) | 86 |
| | Accessories | 87 |
| 8 | Network | 90-99 |
| | essernet | 90-97 |
| | Multiprotocol Gateway | 98-99 |
| 9 | Alarm Management System | 102-129 |
| | WINMAG plus V5 | 102-115 |
| | FlexES Guard | 116-129 |
| 10 | Automatic Detectors | 132-179 |
| | Series ES Detect (Intelligent non-addressable) | 132-136 |
| | Series IQ8Quad (Intelligent Addressable) | 137-153 |
| | Series IQ8Quad Intrinsically Safe | 154-158 |
| | Base Series IQ8Quad, ES Detect | 159 |
| | Customized Painting | 160-161 |
| | Accessories | 162-179 |
| 11 | Manual Call Points | 182-211 |
| | Large Design (ABS) | 182-186 |
| | Large Design (Aluminum) | 187-189 |
| | Accessories for MCP Large Design | 190-194 |

Contents

| | |
|----------------------------------|---------|
| Small Design (ABS) | 195-203 |
| Accessories for MCP Small Design | 204-205 |
| Special Design | 206-211 |

| | | |
|-----------|---|----------------|
| 12 | Transponders and I/O Modules | 214-231 |
| | esserbus | 214-231 |
| 13 | Wireless Components | 234-241 |
| | Wireless Modules | 234-241 |
| 14 | Detectors for Special Applications | 244-296 |
| | Flame and Heat Detectors | 244-248 |
| | Air Duct Detectors | 249-253 |
| | Linear Heat Detectors | 254-255 |
| | Linear Smoke Detectors | 256-266 |
| | Aspirating Smoke Detectors | 267-296 |
| 15 | Alarm Devices | 298-335 |
| | Conventional | 298-300 |
| | Conventional ENscape | 301-310 |
| | IQAlarm Plus | 311-332 |
| | Remote Indicators | 333-335 |
| 16 | Installation & Service | 338-345 |
| | Installation Accessories | 338-344 |
| | Services | 345 |
| 17 | FlexES System – FM Approved | 348-371 |
| | Addressable FlexES Control | 348 |
| | Operating Fronts | 349 |
| | Extension Modules | 350 |
| | Power Supply Extension | 351-353 |
| | Addressable FlexES Control 19" | 354-357 |
| | Modules for FlexES System | 358-359 |
| | Detectors IQ8Quad | 360-364 |
| | Manual Call Points | 365-366 |
| | Input/Output Modules | 367-368 |
| | Detectors IQ8Quad Ex (i) | 369-371 |
| 18 | Appendix | 374-381 |
| | Order Forms | 375-381 |
| | Part No. Index | 382-385 |
| | Keyword Index | 386-392 |



DESIGNED IN GERMANY

Why you should choose ESSER?

ESSER is one of the world's leading fire alarm systems companies and a member of the Honeywell Group.

For more than 40 years, customers have placed their trust in our competence and the quality of our products when designing and implementing efficient security solutions. At ESSER we support you with an innovative product portfolio in the area of fire alarm technology, with technologies that can be integrated and additional services for your successful business strategies.

What WE offer you: The most important information at a glance

- Latest technologies and solution-oriented concepts for early fire detection thanks to the synergy effects of the Honeywell Group
- Customized solutions for all requirements and applications
- Complete solutions from a single source: from stand-alone solutions to large networks
- Fire alarm control panels for all areas of application (loop bus and conventional technology)
- One of the most extensive detector ranges on the market
- Isolators in loop bus devices to prevent downtime due to short circuit failures
- Extremely efficient, loop powered alarm devices (optical and / or acoustic)
- Competent advice in the implementation of safety concepts in the field of early fire detection

Predictable security: With us you are well advised





















As a strong partner and central interface for our customers we realize with competence and experience worldwide complete solutions from a single source - from stand-alone solutions to large Networks.

It does not matter if you want to expand or renew your fire detection system: We create together with you a concept that is exactly tailored to the needs of your industry and your building.

In doing so, we always focus on customer benefits: We optimize your costs and find the appropriate partner for your project implementation via our global network of certified specialist installers.

Contact us!



| Country/Region | Pictogram | ESSER by Honeywell Accreditation |
|----------------|---|--|
| Austria |  | VB-Cert: Austrian Certification Body of the Association for the Promotion of Uniform Standards in Preventive Fire Protection and certifications in the field of facility fire protection. |
| Austria |  | PBST: The Testing Laboratory for Fire Protection Technology of the Austrian Federal Fire Brigade Association is an accredited testing and inspection body for plant fire protection according to the latest decision of the BMF/JW (Federal Ministry of Economics, Family and Youth). |
| Belgium |  | BOSEC: Institution for the approval of fire alarm-related products in Belgium. |
| Belorussia |  | TP: GOSSTANDART - National compliance approval body of Belorussia. |
| China |  | CCC: China Compulsory Certification replaces the old CCEE mark. |
| Denmark |  | DBI: Subsidiary company to DBI (The Danish Institute of Fire and Security Technology) certifies products and performs third-party inspection of quality systems. They are an accredited and approved notified body to perform product certification according to: Construction Product Regulation (CPR), Marine Equipment Directive (MED), Directive relating to appliances burning gaseous fuels (GAD) and Regulation on appliances burning gaseous fuels (GAR). |
| European Union |  | CE: The manufacturer guarantees that these products comply with the following EU guidelines: 1. Construction products directive 89/106/EEC 2. Electromagnetic compatibility 89/336/EEC 3. Low voltage directive 73/23/EEC |
| European Union |  | EN54: European series of standards for fire alarm systems. |
| European Union |  | ATEX: EU directive for standardized requirements for hazard protection of systems, devices and components. |
| France |  | AFNOR: French association for standardization and approval for fire safety products. |
| Germany |  | DIBt: Deutsches Institut für Bautechnik - Centre of Competence for Construction for a uniform fulfillment of technical tasks in the field of public law. |
| Germany |  | VdS: VdS Schadenverhütung GmbH Germany's leading center for testing, assessment and certification of fire alarm systems. |
| Poland |  | CNBOP: Polish research and development center for fire protection. |
| Russia |  | GOST-R: Russian certification authority for GOST-R Certification System and Fire Safety Certification System. |
| Russia |  | SSPB: The Russian Fire Certificate in the fire safety certification system (SSPB) proves the product's compliance with fire safety requirements. The Fire Certificate is the integral part of GOST-R Certificate of Conformity. |
| Singapore |  | TÜV SÜD PSB: Previously known as PSB Corporation is a service provider for a comprehensive and integrated suite of product testing, inspection, auditing, certification, training, and knowledge services. TÜV SÜD PSB is accredited under the Singapore Accreditation Council Singapore Laboratory Accreditation (SAC-Singlas) Scheme to ISO/IEC Guide 25 (ISO/IEC 17025) and ISO Guide 65 (ISO/IEC 17065). |
| Taiwan |  | CFPSC: The Chinese Fire Protection Safety Center in Taiwan (ROC) is a non-profit establishment organized under the purpose of assisting firefighting authorities carry out firefighting and fire safety duties (including the management of hazardous objects). |
| UAE Dubai |  | DCD: The Dubai Civil Defence is the Emergency Management Organisation of Dubai, United Arab Emirates. |
| Ukraine |  | SES: State Certification Center of Ukraine |
| USA |  | FM Global: Factory Mutual, a US company that specializes in property protection by providing insurance and risk management services. |

Abbreviations

The list below provides a brief explanation of various abbreviations used in this product guide.

| | | | |
|---------|---|------|---|
| ABIGA | = integrated operating unit for alarm systems | I/O | = input / output |
| Acc. | = according to | IP | = ingress protection rating |
| Approx. | = approximately | IR | = infrared |
| ATEX | = EU directive for explosive atmosphere | LAN | = local area network |
| BOSEC | = Belgian institute for the approval of fire alarm-related products | LCD | = liquid crystal display |
| BTS | = base transceiver station | LED | = light emitting diode |
| CNBOP | = Polish research and development center for fire protection | LF | = low frequency |
| DIBt | = German institute for technical approvals | LKM | = air duct detector |
| DIL | = dual in line | LPCB | = Loss Prevention Certification Board |
| DIN | = German institute for standardization | LRS | = high sensitivity aspiration detector |
| DIP | = dual in parallel | MCP | = manual call point |
| ECP | = extinguishing control panel | MFAB | = master box |
| EDP | = ESSER data protocol | MM | = micromodule |
| EMV | = electromagnetic compatibility | NC | = normally closed |
| EN | = European Norm | NO | = normally opened |
| EOL | = end of line | OTG | = optical, heat and gas |
| ESPA | = enhanced signaling protocol for alarm processes | PCB | = printed circuit board |
| Ex | = explosion proof / intrinsically safe | pcs. | = pieces |
| FACP | = fire alarm control panel | PL | = powered loop |
| FAS | = fire alarm system | PLC | = programmable logic control |
| FB | = fire brigade | PM | = delay and verify functions |
| FBF | = fire brigade panel | PTB | = national institute of natural and engineering sciences |
| FBOIU | = fire brigade operating and indicating unit | PU | = packaging unit |
| FCT | = fire control transponder (input/output module) | ROR | = rate-of-rise heat detector |
| FD | = fire detection | SEI | = serial essernet interface |
| FDS | = fire detection system | SHV | = smoke heat ventilation module |
| FIBS | = fire brigade operating system | SMD | = surface mounted technology |
| FO | = fiber optic | SL | = silent |
| FSA | = door release system | SOC | = switch-on control |
| GI | = galvanic isolated | SZI | = single zone indicator |
| HMI | = human machine interface | TAL | = technical alarm module |
| HU | = used for 19" rack, 1 HU = 44.45 mm | TM | = coincidence detection |
| | | USB | = universal serial bus |
| | | UV | = ultraviolet |
| | | VDE | = association for electrical, electronic and information technologies |
| | | VdS | = association of German property insurance companies |
| | | VGA | = video graphics array |
| | | VPP | = voltage peak-peak |

Notice regarding the packing unit:

1. The item will only be sold in a packing unit.
2. The number of items which have to be ordered always refers to the number of packing units rather than the number of single items.
3. The price stated in the catalog is always the price for the packing unit. It is not the price for the single item.

Example item number 701040 (spare glass pane):

Packing unit: 10 items. An order of 3 items, for instance, would be equivalent to an order of 3 packing units.

This would correspond to 30 items of a spare glass pane, which have been ordered.

Symbols used



= List of contents which the part number includes



= Packing unit



= Information, important notice
such as special versions, dependencies etc.



= Available starting on

IP type of protection

The type of protection indicates the suitability of electric operating materials (for example, devices, lights and installation material) against solid foreign objects and for various ambient conditions.

Levels of protection from contact and foreign bodies (first digit)

| Digit | Protection from contact | Protection from foreign bodies |
|-------|---|--|
| 0 | No protection | No protection |
| 1 | Protection from large-sized body parts (diameter 50 mm) | Large foreign bodies (diameter from 50 mm) |
| 2 | Finger protection (diameter 12 mm) | Medium-size foreign bodies (diameter from 12.5 mm) |
| 3 | Tools and wires (diameter from 2.5 mm) | Small foreign matter (diameter from 2.5 mm) |
| 4 | Tools and wires (diameter from 1 mm) | Granular foreign matter (diameter from 1 mm) |
| 5 (K) | Wire protection (as IP 4) dust-protected | Dust accumulation |
| 6 (K) | Wire protection (as IP 4) dust-proof | No ingress of dust |

Levels of protection from water (second digit)

| Digit | Protection from water |
|-------|---|
| 0 | No protection |
| 1 | Protection from vertically dripping water |
| 2 | Protection from diagonally (15°) falling drip water |
| 3 | Protection from falling spray water up to 60°, against the vertical |
| 4 | Protection against splashing water |
| 5 | Protection from hose water (nozzle) from any angle |
| 6 | Protection from strong hose water (flooding) |
| 7 | Protection from temporary submersion |
| 8 | Protection from permanent submersion |

Example:

IP64: Completely dust-proof – protected against splashing water – nearly leak-proof.

Notes



Conventional and Single Loop Panels

ES Line/Conventional

10

Compact/Intelligent Addressable

11-12



Features

- 8 sensor groups with up to 30 sensors in each sensor group (conventional panel supports up to 240 conventional devices in total)
- Large LCD display with 8 rows x 40 characters
- Integrated sensor group single display
- Optimized commissioning, maintenance and operation
- Simple configuration and programming on the keypad
- Four relays, freely programmable, non-monitored, potential free, max. 30 V DC / 2 A or 60 V DC / 1 A
- 2 outputs for connecting acoustic or optical sounders according to EN 54-13 (29 V DC / max. 500 mA)
- 1 interface to a transmission unit for fire alarm routing equipment (FARE) (12 V DC / max. 200 mA)
- 1 interface to a transmission unit for fault warnings (12 V DC / max. 200 mA)
- 1 standard interface extinguisher for fire control system type C according to DIN EN 54-2
- RS485 for connecting to fire brigade operating panel and fire brigade display panel
- 1 output UBext 29 V / 0.5A, for power supply of external bus users
- 72 h emergency current bridge
- "Delay of relaying" function (PM operating mode according to DIN VDE 0833-2 for preventing false alarms, delay / verify)
- "2-detection dependency" function (TM operating mode according to DIN VDE 0833-2 for preventing false alarms), alternatively programmable as intermediate alarm storage or 2-zone dependency between the detector zones
- Operating panel with alphanumerical display
- Large LCD display with 8 rows x 40 characters
- Alarm counter for up to 10,000 trips
- Event memory for up to 10,000 events

Approval: VdS

The ES Line is a compact but high-performance and professional fire alarm control panel for monitoring small facilities. It supports up to 8 conventional groups and has integrated detector group displays. It is programmed and operated easily via the large display. The sophisticated configuration concept is self-explanatory and enables fast commissioning without programming with a PC. Thus, the ES Line ensures high flexibility in the assignment of numerous input/output and control functions.

The ES Line is approved according to the relevant DIN EN 54 part 2, 4, 13 and VdS standards. The integrated RS485 interface allows the control of peripheral fire brigade equipment (FBF, FAT). Ideal for facilities like kindergartens, law firms, service providers, catering firms, handicraft firms, medical practices, pharmacies or retail shops.

To meet the standard requirements of monitoring the detector group inputs, the EOL-I terminal element (Part No. 808626) must be, for connected alarm sensors the EOL-O (Part No. 808624).

Technical Data

| | |
|----------------------------|---------------------------------------|
| Rated voltage | 230 V AC |
| Rated frequency | 50 Hz ... 60 Hz |
| Rated current | 0.84 A |
| Output voltage | 29 V DC |
| Quiescent current | approx. 100 mA |
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -5 °C ... 50 °C |
| Air humidity | < 95 % |
| Type of protection | IP 30 |
| Housing | ABS, 10 % glass fiber reinforced, V-0 |
| Color | gray, similar to Pantone 538 |
| Weight | approx. 5 kg (without batteries) |
| Dimensions | W: 450 mm H: 320 mm D: 185 mm |
| Declaration of Performance | DoP-21233141217 |



Detector Series ES Detect and conventional devices are compatible with this FACP.

Due to its nature, this article contains components classified as dangerous goods. Please clarify in advance with your forwarding agent if he accepts the transport of dangerous goods and if necessary observe the import regulations. The dangerous goods class for road transport or air transport is as follows:

UN-No. UN3090
ADR-Class 9



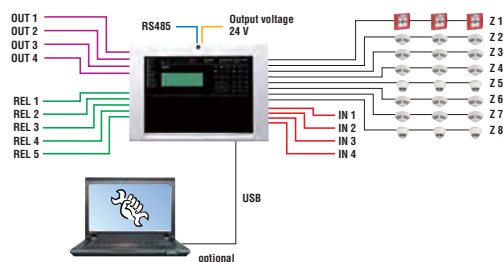
FACP with system software including installation material, installation/commissioning/operating manuals, log book for FAS, but without batteries.

Accessories

FX808460
FX808461.10

Touchscreen operating unit, surface mount

Touchscreen operating unit, cavity wall mount



Application example

809041.01

FACP ES Line for 8 zones, German

With 8 detector zones, foil: German.

809041.02

FACP ES Line for 8 zones, English

With 8 detector zones, foil: English.

809041.08

FACP ES Line for 8 zones, Dutch

With 8 detector zones, foil: Dutch.



Features

- Single loop panel (system supports up to 127 digital loop addresses in total)
- Integrated esserbus-PLus
- Short circuit and open circuit tolerant loop operation with stub cable exits
- Operation of bus-supplied, synchronously controlled alarm generators (optical/acoustic/voice) in different alarm areas via esserbus-PLus powered loop technology
- Length of the loop circuit (esserbus) up to 3.5 km
- Up to 127 esserbus devices (fire detectors or manual call points)/group
- Up to 32 esserbus transponders
- Up to 30 IQ8Quad detectors with integrated sounders
- Up to 20 IQ8Alarm / IQ8Alarm Plus sounder
- Operation of ATEX approved detectors (intrinsically safe) for potentially explosive areas
- Optimized commissioning, maintenance and operation
- Easy configuration and programming of the FACP functions via display
- 4 relays, programmable, not monitored, potential-free, max. 30 V DC/2 A or 60 V DC/1 A
- 2 outputs for connection to acoustic and optical sounders according to EN 54-13 (each 24 V DC/max. 500 mA)
- 1 interface to a transmission unit (TU) for Fire alarm routing equipment (FARE) (12 V DC/max. 200 mA)
- 1 interface to a transmission unit (TU) for fault reports (12 V DC/max. 200 mA)
- 1 standard interface solution for fire control type C acc. DIN EN 54-2
- RS485 for connection of fire brigade control panel and fire brigade graphic annunciator
- 1 output UBExt 24 V/0.5 A, for the voltage supply of external devices
- 72 hour emergency bypass (depending on configuration)
- Integrated detector groups individual display
- Function "delay the transmission" (according to DIN VDE 0833-2, to avoid false alarms, delay/investigate)
- Function "two-message dependency" (according to DIN VDE 0833-2, to avoid false alarms), alternatively programmable as alarm caching, multi-group dependence or multi-detector dependency
- Operating panel with alphanumerical display
- Large LCD display with 8 rows x 40 characters
- Alarm counter for up to 10,000 trips
- Event memory for up to 10,000 events

Approval: VdS

The Compact is a powerful, professional one loop circuit fire alarm control panel for monitoring small to medium sized premises with increased demands on reliability - redundancy through ring wiring. It allows simultaneous detection, control, and warning, both on the ring bus including stubs, as well as with the inputs and outputs built into the control panel, e.g. fire brigade interface, interface for fire control, outputs for conventional sounders and other relays for individual controls. The Compact has a short circuit and open circuit tolerant esserbus-PLus loop bus, on which up to 127 intelligent and individually addressable bus devices are supported.

Commissioning and configuration of customer-specific system data is with proven 8000 programming software tools.

The fire brigade peripherals (FBCP, FAT) or a remote control unit can be operated via the integrated RS485 interface.

Ideal for premises such as schools, kindergartens, nursing homes, doctors' offices, hardware stores, small hotels, shops, small businesses and manufacturing or retail.

Technical Data

| | |
|----------------------------|---------------------------------------|
| Rated voltage | 230 V AC |
| Rated frequency | 50 Hz ... 60 Hz |
| Rated current | 0.84 A |
| Output voltage | 29 V DC |
| Quiescent current | approx. 100 mA |
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -5 °C ... 50 °C |
| Air humidity | < 95 % |
| Type of protection | IP 30 |
| Housing | ABS, 10 % glass fiber reinforced, V-0 |
| Color | gray, similar to Pantone 538 |
| Weight | approx. 5 kg (without batteries) |
| Dimensions | W: 450 mm H: 320 mm D: 185 mm |
| Declaration of Performance | DoP-21390140811 |



The Compact is directly programmed with the 8000 programming software tools (Part No. 789861) via USB.

The integrated loop bus supports esserbus/ esserbus-PLus devices, but currently without IQ8Wireless radio technology and essernet networking technology.

The fire brigade peripheral (FBCP, FAT) FX808382, FX808380, FX808383 or the remote control station FX808460 or FX808461.10 is operated on the RS485.

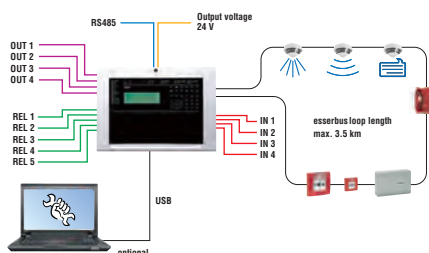
Due to its nature, this article contains components classified as dangerous goods. Please clarify in advance with your forwarding agent if he accepts the transport of dangerous goods and if necessary observe the import regulations. The dangerous goods class for road transport or air transport is as follows:

UN-No. UN3090
ADR-Class 9

Accessories

FX808460
FX808461.10

Touchscreen display and control unit (aP)
Touchscreen display and control unit (uP)



809051.01

FACP Compact, 1 loop, German

Fire alarm control panel Compact with German front foil.

809051.02

FACP Compact, 1 loop, English

Fire alarm control panel Compact with English front foil.

Technical Data

Battery capacity max. 2 x 12 V/12 Ah

809051.08

FACP Compact, 1 loop, Dutch

Fire alarm control panel Compact with Dutch front foil.

Technical Data

Battery capacity max. 2 x 12 V/12 Ah



System IQ8Control

IQ8Control C/Intelligent Addressable
 IQ8Control M/Intelligent Addressable
 Accessories

14-18
 19-21
 22-35

Features

- Max. two micromodules (system supports up to 254 digital loop addresses in total)
- Max. two esserbus analog loop modules
- Short circuit and open circuit resistant loop operation
- Loop installation with I-Y(ST)Y 0.8 mm cable for a maximum length of 3.5 km
- Up to 127 esserbus devices (fire detectors and/or manual call points)/detector zones per loop
- Up to 32 esserbus transponders per loop/operation of wireless components (see chapter 10)
- Operation types TM and PM as per DIN VDE 0833 - 2 to avoid unwanted alarms being triggered
- Fire brigade operating panel and alarm transmission unit interface on the peripheral module
- Three common relays, freely programmable, monitored, floating for up to 24 V DC/1A (on the peripheral module)
- TTY or RS 485, RS 232 interface
- Integration in the short circuit and open circuit resistant essernet network with up to 31 fire detection panels depends on transmission rate
- Connection to graphical supervisor FlexES Guard/ WINMAG via serial essernet interface (SEI)
- Operating panel with alphanumerical display
- Large display with 8 rows with 40 characters. As follows rated - four rows with 40 characters for the status information (first and last message), and the other four rows with 40 characters are used for system information e.g. "Sounders Off"
- Event memory for up to 10,000 events
- All System 8000 micromodules are compatible
- Printer interface for internal printer
- Two batteries with monitoring circuit
- Monitored input for external power supply unit

Additional features for powered loop

- Max. 2 analog powered loop modules (System supports up to 254 digital loop addresses in total)
- BUS powered, synchronously controlled, acoustic alarm signaling devices as per DIN EN 54-3 with alarm tone as per DIN 33404
- Up to 48 powered loop base sounders (Series 9200) per loop
- Up to 32 powered loop IQ8Alarm / IQ8Alarm Plus devices per loop
- Up to 64 powered loop IQ8Alarm Plus So / FSo devices per loop
- Up to 48 IQ8Quad with alarm device per loop

Approval: VdS, CNBOP, BOSEC

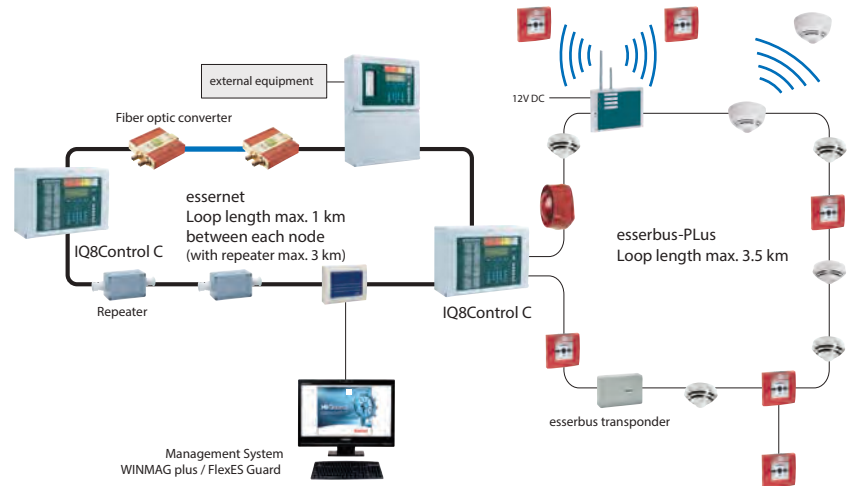
VdS system authorization: S 294050

The IQ8Control C is an efficient fire alarm control panel for the property supervision of small to mid-sized objects facilitates simultaneous detection, control and alarm signaling both on the analog ring as well as on the spur.

Within the multi-functional IQ8Control C panel, the operation type (powered-loop or non-powered-loop) can be selected via a jumper located on the control panel power supply unit.

Depending on which loop operation type has been selected, the corresponding loop module/modules are required.

 The IQ8Control FACP can only be programmed via USB with software tools 8000 (Part No. 789861).



Connection example

Order Diagram FACP IQ8Control C/Intelligent Addressable

1.
Choice of
housing type
(for up to 2 loops)

2.
Choice of
control panel
modules
(max. 1 pc.)

3.
Choice of
micromodules

4.
Choice of
operating
module front
(Language codes
available in chapter
"Operating Fronts")

5.
Choice of
extension housing
(optional)



808003 FACP IQ8Control C



808139 FACP IQ8Control C for 19" rack

Slot for one micromodule as standard



772478
Extension module with
1 additional micromodule slot



772479
Peripheral module



772477
Peripheral module with
1 additional micromodule slot



804382.D0
Analog loop module powered loop



784382.D0
Analog loop module



784385
Master box interface
module



784840.10
essernet module 62.5kBd



787531
3-relay module



784842
RS 232/TTY
Serial interface module



784841.10
essernet module 500kBd



787532
3-relay
Common fault module



7860 __
Operating front



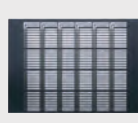
7861 __
Operating front w.
SZI f. 64 detector
zones



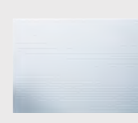
7863 __ Operating front
for printer with take-up reel*



788093
19" rack mounting kit for
SZI 192 detector zones



786000
SZI front for 192
detector zones



786100
Filler panel front,
neutral for IQ8Control C/M

All operating fronts, except SZI 192 detector zones are suitable for both housing types

*Requires an additional extension housing 789303



789300
Battery extension housing



789302
Extension housing for SZI
192 detector zones



789301
Extension housing for batteries and
SZI 192 detector zones

Panels

808003

FACP IQ8Control C



Basic design.

Technical Data

| | |
|--------------------------------------|---|
| Rated voltage | 230 V AC |
| Rated frequency | 50 Hz ... 60 Hz |
| Rated current | 0.35 A (standard); 0.7 A (powered loop) |
| Output voltage | 12 V DC |
| Quiescent current | approx. 215 mA (basic configuration without operating unit) approx. 230 mA (basic configuration with operating unit) |
| Current consumption for ext. devices | 2 A |
| Battery capacity | 2 x 12 Ah, 2 x 24 Ah in extension housing |
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -5 °C ... 50 °C |
| Air humidity | < 95 % |
| Type of protection | IP30 |
| Housing | ABS, 10 % glass fiber reinforced, V - 0 |
| Color | gray similar to Pantone 538 |
| Weight | approx. 6.5 kg |
| Dimensions | W: 450 mm H: 320 mm D: 185 mm |
| Declaration of Performance | DoP-20827130701 |



The operating front must be ordered separately and is not included in the price.



Housing with standard rear panel and front frame for operating panel fronts, interface board, power supply module, system software.

808139

FACP IQ8Control C for 19" rack



Same as 808003, but 19" version (7 HU) for rack installation.

Technical Data

| | |
|--------------------------------------|---|
| Rated voltage | 230 V AC |
| Rated frequency | 50 Hz ... 60 Hz |
| Rated current | 0.35 A (standard); 0.7 A (powered loop) |
| Output voltage | 12 V DC |
| Quiescent current | approx. 215 mA (basic configuration without operating unit) approx. 230 mA (basic configuration with operating unit) |
| Current consumption for ext. devices | 2 A |
| Battery capacity | 2 x 12 Ah, 2 x 24 Ah in extension housing |
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -5 °C ... 50 °C |
| Air humidity | < 95 % |
| Housing | ABS, 10 % glass fiber reinforced, V - 0 |
| Color | gray similar to Pantone 538 |
| Weight | approx. 6.5 kg |
| Dimensions | W: 450 mm H: 320 mm D: 185 mm |
| Declaration of Performance | DoP-20827130701 |



The operating front must be ordered separately and is not included in the price.



FACP 808003 IQ8Control C, including 19" installation frame and flat cable for 19" installation.

Accessories IQ8Control C

789300

Battery extension housing



Extension housing for additional batteries.

Technical Data

| | |
|----------------------------|---|
| Output voltage | 12 V DC |
| Battery capacity | 2 x 12 Ah, 2 x 24 Ah in extension housing |
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -10 °C ... 50 °C |
| Air humidity | < 95 % |
| Type of protection | IP 30 |
| Housing | ABS, 10% glass fiber reinforced, V - 0 |
| Color | gray similar to Pantone 538 |
| Weight | approx. 5 kg (without battery) |
| Dimensions | W: 450 mm H: 320 mm D: 185 mm |
| Declaration of Performance | DoP-20827130701 |



Batteries are not included and must be ordered separately.



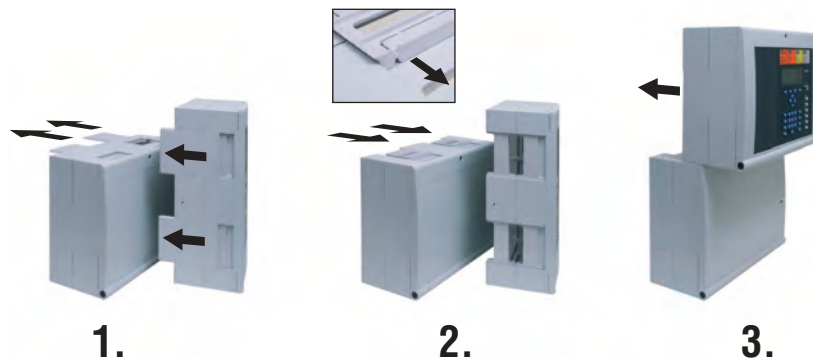
Housing complete with battery rear panel, connecting cable for battery, mounting positions for two 12 V/24 Ah batteries. Neutral front and material for attaching to the existing panel housing, battery connecting cables, 800 mm.

Assembling the housing parts

Take off the
4 standard covers.

Insert the
2 connecting elements.

Put the 2 housings
on top of each other
and push them together.



Connection between the central housing and the extension housing

789301

Extension housing for batteries with 192 detector zones



Technical Data

| | |
|----------------------------|---|
| Output voltage | 12 V DC |
| Quiescent current | approx. 5 mA |
| Current consumption | 1.5 mA when LED activated |
| Battery capacity | 2 x 12 Ah, 2 x 24 Ah in extension housing |
| Ambient temperature | -5 °C ... 45 °C |
| Air humidity | < 95 % |
| Type of protection | IP 30 |
| Housing | ABS, 10% glass fiber reinforced, V - 0 |
| Color | gray similar to Pantone 538 |
| Weight | approx. 5.5 kg (without battery) |
| Dimensions | W: 450 mm H: 320 mm D: 185 mm |
| Declaration of Performance | DoP-20827130701 |



This housing cannot be used if an operating module front with single zone indicator unit for 64 zones is already fitted. Batteries are not included and must be ordered separately. A single zone indicator unit can only be used in connection with an operating module front.



Housing complete with battery rear panel, connecting cable for batteries, mounting positions for two 12 V/24 Ah batteries, single zone indicator front for 192 detector zones and material for attaching to the existing panel housing.

789302

Extension housing for SZI 192 detector zones IQ8Control



The housing can be used to mount additional modules, e.g. an esserbus transponder.

Technical Data

| | |
|----------------------------|---|
| Output voltage | 12 V DC |
| Quiescent current | approx. 5 mA |
| Current consumption | 1.5 mA when LED activated |
| Battery capacity | 2 x 12 Ah, 2 x 24 Ah in extension housing |
| Ambient temperature | -5 °C ... 45 °C |
| Air humidity | < 95 % |
| Type of protection | IP 30 |
| Housing | ABS, 10% glass fiber reinforced, V - 0 |
| Color | gray similar to Pantone 538 |
| Weight | approx. 5 kg |
| Dimensions | W: 450 mm H: 320 mm D: 185 mm |
| Declaration of Performance | DoP-20827130701 |



This housing cannot be used if an operating module front with single zone indicator unit for 64 zones is already fitted. A SZI unit can only be used in combination with an operating module front.



Housing complete with standard rear panel, single zone indicator front for 192 detector zones and material for attaching to the existing panel housing.

Features

- Max. five micromodules, with peripheral module Part No. 772477, up to five esserbus loop modules (system supports up to 635 digital loop addresses in total)
- Max. seven micromodules, with extension module Part No. 772476, up to seven esserbus loop modules (system supports up to 889 digital loop addresses in total)
- Short circuit and open circuit tolerant loop operation
- Loop installation with I-Y(ST)Y 0.8 mm cable for a maximum length of 3.5 km
- Up to 127 esserbus devices (fire detectors and/or manual call points)/detector zones per loop
- Up to 32 esserbus transponders per loop/operation of wireless components (see chapter 10)
- Operation types TM and PM as per DIN VDE 0833 - 2 to avoid unwanted alarms being triggered
- Fire brigade operating panel and transmission interface on the peripheral module
- Three common relays, freely programmable, monitored, floating for up to 30 V DC/1A (on the peripheral module)
- TTY or RS 485 or RS 232 interface
- Integration in the short circuit and open circuit resistant essernet network with up to 31 fire detection panels depends on transmission rate
- Connection to graphical supervisor WINMAG via serial essernet interface (SEI)
- Operating panel with alphanumerical display
- Large display with 8 rows with 40 characters. As follows rated - four rows with 40 characters for the status information (first and last message), and the other four rows with 40 characters are used for system information e.g. "Sounders Off"
- Event memory for up to 10,000 events
- All Systems 8000 micromodules are compatible
- Printer interface for internal printer
- Two batteries with monitoring circuit
- Monitored input for external power supply unit

Additional features for powered loop

- Max. 6 powered loops and expandable up to 127 loop devices (per loop) in mixed mode / loop powered and non-loop powered (system supports up to 762 digital loop addresses in total)
- esserbus-PLus (Powered Loop) supplied, synchronously controlled, acoustic alarm signaling devices as per DIN EN 54 - 3 with alarm tone as per DIN 33404
- Up to 48 powered loop base sounders (Series 9200) per loop
- Up to 32 powered loop IQ8Alarm / IQ8Alarm Plus devices per loop
- Up to 64 powered loop IQ8Alarm Plus So / FSo devices per loop
- Up to 48 IQ8Quad with alarm device per loop

Approval: VdS, CNBOP, BOSEC

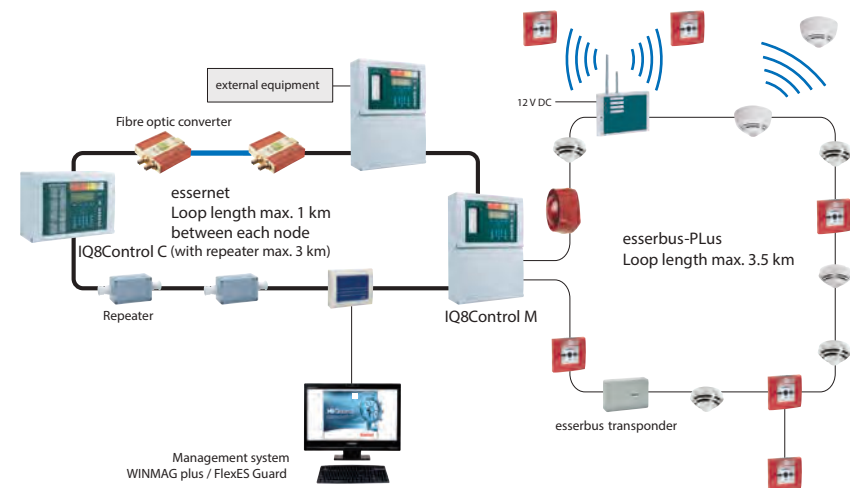
VdS system authorization: S 294050

The IQ8Control M as an efficient fire alarm control panel (FACP) for the property supervision of mid-sized to large objects, facilitates simultaneous detection, control and alarm signaling both on the loop as well as on the spur.

The loop operation type of the panel (powered-loop or non-powered-loop) can be selected via a jumper located on the power supply card.

Depending on which loop operation type has been selected, the corresponding ring module/modules should be used.

 The IQ8Control FACP can only be programmed via USB with software tools 8000 (Part No. 789861).



Application example

Order Diagram FACP IQ8Control M/Intelligent Addressable

1.
Choice of
housing type
(for up to 7 loops
or 6 powered loops)

2.
Choice of
control panel
modules
2 Extension modules
or
1 Extension module
+
1 Peripheral module

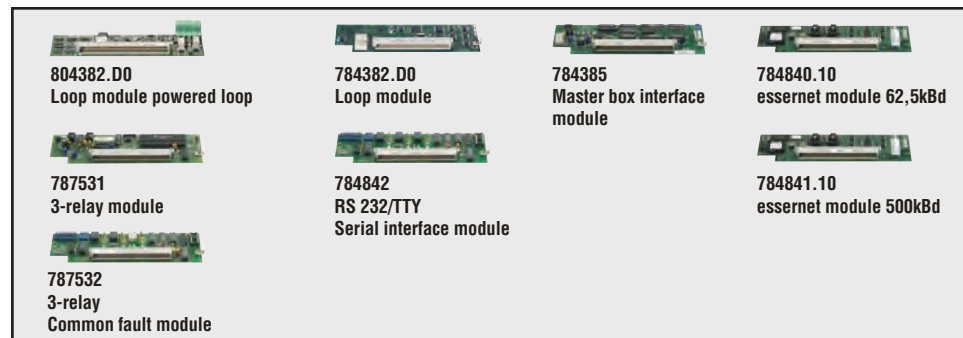
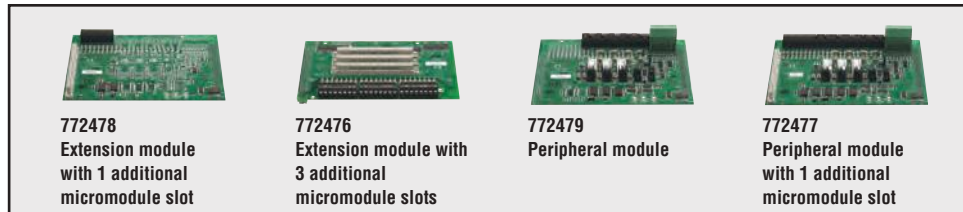
3.
Choice of
micromodules

4.
Choice of
operating
module front
(Language codes
available in chapter
"Operating Fronts")

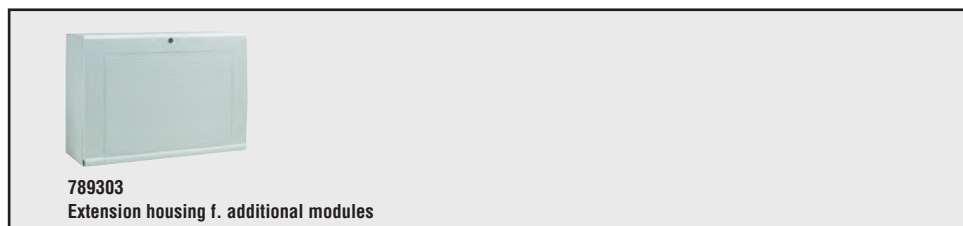
5.
Choice of
extension housing
(optional)



1 micromodule slot on main board included



All operating fronts, except SZI 192 detector zones are suitable for both housing types
*Requires an additional extension housing 789303



Panels IQ8Control M

808004

FACP IQ8Control M



Basic design.

Technical Data

| | |
|--------------------------------------|---|
| Rated voltage | 230 V AC |
| Rated current | 0.35 A (standard); 0.7 A (powered loop) |
| Output voltage | 12 V DC |
| Quiescent current | approx. 215 mA (basic configuration without operating unit) approx. 230 mA (basic configuration with operating unit) |
| Current consumption for ext. devices | 2 A |
| Battery capacity | max. 2 x 12 V/24 Ah |
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -10 °C ... 50 °C |
| Air humidity | < 95 % |
| Type of protection | IP 30 |
| Housing | ABS, 10 % glass fiber reinforced, V - 0 |
| Color | gray, similar to Pantone 538 |
| Dimensions | W: 450 mm H: 640 mm D: 185 mm |
| Declaration of Performance | DoP-20827130701 |



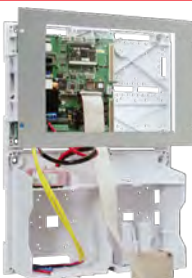
The operating front must be ordered separately and is not included in the price.



Housing with rear panel and front frame for operating panel fronts, neutral front, interface board, power supply module and system software.

808219

FACP IQ8Control M for 19" rack



As 808004 but 19" version (7 HU) for rack installation.

Technical Data

| | |
|--------------------------------------|---|
| Rated voltage | 230 V AC |
| Rated current | 0.35 A (standard); 0.7 A (powered loop) |
| Output voltage | 12 V DC |
| Quiescent current | approx. 215 mA (basic configuration without operating unit) approx. 230 mA (basic configuration with operating unit) |
| Current consumption for ext. devices | 2 A |
| Battery capacity | max. 2 x 12 V/24 Ah |
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -10 °C ... 50 °C |
| Air humidity | < 95 % |
| Type of protection | IP 30 |
| Housing | ABS, 10 % glass fiber reinforced, V - 0 |
| Color | gray, similar to RAL 7035 |
| Dimensions | W: 450 mm H: 640 mm D: 185 mm |
| Declaration of Performance | DoP-20827130701 |



The operating front must be ordered separately and is not included in the price.



FACP IQ8Control M 808004, including 19" mounting frame and flat cable for 19" installation.

Operating fronts IQ8Control C/M



| Part-No. | NAME |
|----------|--|
| 786001 | Operating module front - ESSER, German |
| 786002 | Operating module front - ESSER, English |
| 786003 | Operating module front - ESSER, Italian |
| 786004 | Operating module front - ESSER, Portuguese |
| 786005 | Operating module front - ESSER, Polish |
| 786006 | Operating module front - ESSER, Spanish |
| 786007 | Operating module front - ESSER, German (Austria) |
| 786008 | Operating module front - ESSER, Dutch |
| 786009 | Operating module front - ESSER, Czech |
| 786010 | Operating module front - ESSER, Russian |
| 786011 | Operating module front - ESSER, Hungarian |
| 786012 | Operating module front - ESSER, Danish |
| 786014 | Operating module front - ESSER, Croatian |
| 786015 | Operating module front - ESSER, French |
| 786016 | Operating module front - ESSER, Slovakian |
| 786017 | Operating module front - ESSER, French (Switzerland) |
| 786018 | Operating module front - ESSER, Romanian |
| 786019 | Operating module front - ESSER, Slovenian |
| 786020 | Operating module front - ESSER, Turkish |
| 786022 | Operating module front - ESSER, Flemish (Belgium/Dutch) |
| 786023 | Operating module front - ESSER, Walloon (Belgium/French) |
| 786025 | Operating module front - ESSER, Arabic/English |
| 786027 | Operating module front - ESSER, Serbian |

Operating front SZI 64



Features

- Alphanumerical display
- Large LCD display with 8 rows x 40 characters or 1/4-VGA-display
- 64 single zone indicators

| Part-No. | NAME |
|----------|---|
| 786101 | Operating front with SZI 64 - ESSER, German |
| 786102 | Operating front with SZI 64 - ESSER, English |
| 786103 | Operating front with SZI 64 - ESSER, Italian |
| 786105 | Operating front with SZI 64 - ESSER, Polish |
| 786106 | Operating front with SZI 64 - ESSER, Spanish |
| 786107 | Operating front with SZI 64 - ESSER, German (Austria) |
| 786108 | Operating front with SZI 64 - ESSER, Dutch |
| 786109 | Operating front with SZI 64 - ESSER, Czech |
| 786110 | Operating front with SZI 64 - ESSER, Russian |
| 786112 | Operating front with SZI 64 - ESSER, Danish |
| 786114 | Operating front with SZI 64 - ESSER, Croatian |
| 786115 | Operating front with SZI 64 - ESSER, French |
| 786116 | Operating front with SZI 64 - ESSER, Slovakian |
| 786118 | Operating front with SZI 64 - ESSER, Romanian |
| 786119 | Operating front with SZI 64 - ESSER, Slovenian |
| 786120 | Operating front with SZI 64 - ESSER, Turkish |
| 786122 | Operating front with SZI 64 - ESSER, Belgian/Flemish |
| 786123 | Operating front with SZI 64 - ESSER, Walloon (Belgium/ French) |
| 786125 | Operating front with SZI 64 - ESSER, Arabic/English |

Operating front for printer with take up reel



Features

- Alphanumerical display
- Large LCD display with 8 rows x 40 characters or 1/4-VGA-display
- integrated printer w/o paper take-up reel

| Part-No. | NAME |
|----------|--|
| 786302 | Operating front for printer and w. take-up reel, English |
| 786305 | Operating front for printer and w. take-up reel - Polish |

Operating front for printer with take up reel

| Part-No. | NAME |
|-----------------|--|
| 786307 | Operating front for printer and w. take-up reel - Austrian |
| 786309 | Operating front for printer and w. take-up reel - Czech |
| 786314 | Operating front for printer and with paper take-up reel - Croatian |
| 786316 | Operating front for printer and w. take-up reel - Slovakin |

Various Fronts IQ8Control C/M

786000

SZI front for 192 detector zones



Technical Data

| | |
|---------------------|--|
| Quiescent current | approx. 5 mA |
| Current consumption | single zone indication: per actuated LED 1.5mA |



Including insertable foils with country-specific version.

786100

Filler panel front, neutral



Neutral panel front for IQ8Control C / M.

788093

19" rack mounting kit for SZI 192 detector zones



7 HU for upright cabinet mounting.

Technical Data

| | |
|---------------------|-------------------------|
| Quiescent current | approx. 5 mA |
| Current consumption | 1.5 mA per actuated LED |

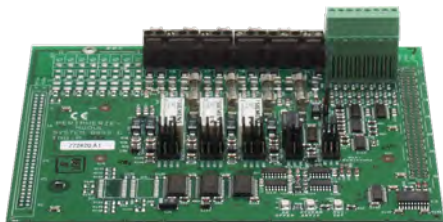


772445 Mounting frame
786000 SZI front for 192 detector zones, including insertable foils with country-specific version

Control Panel Modules for IQ8Control C/M

772479

Peripheral module



The peripheral module contains a fire brigade operating panel interface as well as an alarm transmission unit interface and three freely programmable, optionally monitored or up to 30 V DC floating common relays. The peripheral module can only be used on system terminal 1 of the control panel interface board.

Technical Data

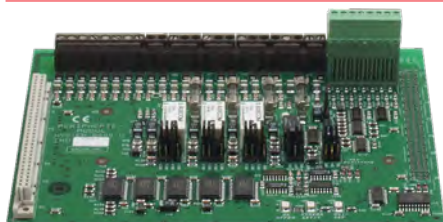
Quiescent current approx. 15 mA



Only one (Part No. 772477/78/79) module can be plugged onto the interface board.

772477

Peripheral module with 1 additional micromodule slot



Same as 772479 but with one additional micromodule slot. The peripheral module can only be used on system terminal 1 of the control panel interface board.

Technical Data

Quiescent current approx. 15 mA (without micromodule)



Only one (Part No. 772477/78/79) module can be plugged onto the basic module.

772478

Extension module with 1 additional micromodule slot



The extension module is plugged onto the interface board of the control panel. The extension module can only be used on system terminal 1 of the control panel interface board.

Technical Data

Quiescent current approx. 5 mA (without micromodule)



Only one (Part No. 772477/78/79) module can be plugged onto the interface board.

Accessories

804382.D0

Micromodule esserbus-PLus

784840.10

Micromodule essernet 62,5kBd

772476

Extension module with 3 additional micromodule slots



The extension module is plugged onto the interface board of the control panel. This extension module can be used on plug connectors 1 and 2 of the basic control panel module.

Technical Data

Quiescent current approx. 5 mA (without micromodule)



The (Part No. 772476) extension module can only be used in the IQ8Control FACP.

782481

Basic module IQ8Control C (772481)

Replacement mainboard for IQ8Control C FACP.

782482

Basic module IQ8Control M (772482)

Replacement mainboard for IQ8Control M FACP.

782426

Power supply module (802426) f. esserbus-PL, 150 W

Replacement PCB power supply system for 8000/IQ8 Control FACP.

Micromodules for IQ8Control C/M

784382.D0



Loop module esserbus

Single loop circuit module for up to 127 Series 9200/IQ8 Quad intelligent fire detectors or bus devices, divisible into 127 zones.

Technical Data

Quiescent current approx. 60 mA

804382.D0



Loop module esserbus-PLus (Powered Loop)

Single loop circuit module for up to 127 bus devices, and esserbus-PLus (powered loop) devices according to the load factor. Series 9200/IQ8 Quad intelligent fire detectors and esserbus transponders (Part No. 80xxxx) or addressable sounders and powered loop base sounders.

Technical Data

Quiescent current approx. 60 mA



Powered loop compatible only with IQ8Control and FlexES.

784385



Master box interface module

Single master box interface module for activating and processing acknowledgement signals from master boxes; programmable as constant or pulsed master box activation.

Technical Data

Quiescent current approx. 15 mA

784842



RS 232/TTY serial interface module

Serial interface module with optional RS 232 or TTY type, for operating external devices such as external printers, printers, modems for remote diagnosis.

Technical Data

Quiescent current approx. 35 mA (RS 232)
approx. 55 mA (TTY)

787531



3-relay module

3-relay module with output functions which can be programmed either as NC or NO contacts, 3 x latching "monitored" relay outputs.

Technical Data

Quiescent current approx. 5 mA
Contact load relay max. 30 V DC/1 A

787532



3-relay common fault module

3-relay module with pre-set functions such as common fault, 2 x freely programmable monitored relay outputs.

Technical Data

Quiescent current approx. 15 mA
Contact load relay max. 30 V DC/1 A

785087

MKS multi criteria transmitter



The interface can be connected only to IQ8Control panels (Index G or higher) and provides 16 potential-free relay contacts. Connected to the panel with a ribbon cable.

Technical Data

| | |
|-----------------------------|---|
| Operating voltage | 12 ... 30 V DC |
| Quiescent current @ 12 V DC | approx. 8 mA |
| Alarm current @ 12 V DC | approx. 8.5 mA (+ 17.5 mA pro aktivem Relais) |
| Contact load relay | max. 30 V DC / 2A |
| Ambient temperature | -10 °C ... 50 °C |
| Storage temperature | -25 °C ... 75 °C |
| Weight | approx. 170 g |
| Cable length | 20 m |
| Dimensions | W: 160 mm H: 120 mm D: 20 mm |

Accessories IQ8Control C/M

736235

**Printer paper for printer 736233/736234/784892, IQ8Control C/M**

Printer paper for (Part No. 736233) printer without paper take-up reel and for (Part No. 736234) printer with take-up reel.

Technical Data

Dimensions

W: 58 mm L: 2500 mm



15 days

736264

**Printer paper for printer 736259/784882, IQ8Control C/M**

For printers (Part No. 736259/736259/784882) with paper take-up reel.

Technical Data

Dimensions

W: 60 mm L: 2500 mm

744444

**Supporting rails for wall mounting**

Assembly and supporting frame for wall mounting of fire alarm control panels IQ8Control, ES Line, Compact and FlexES Control with three respective housing parts. Easy alignment and fastening to a supporting wall by means of horizontal spacing struts, which can be removed after installation in order to simplify the cabling behind the housings. Cabling can be led along the side as cable and installation ducts behind the FACP with additional cable entrances.

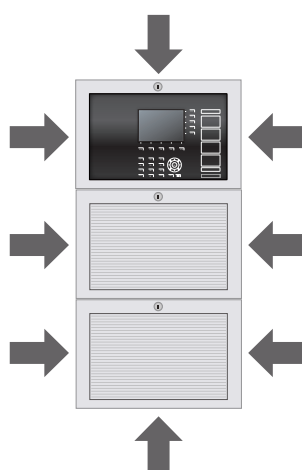
The FACP housing and frame are fastened to each other with metric screws.

The arrangement of the cage nuts corresponds to the attachment points for IQ8Control, ES Line, Compact and FlexES Control.



- 1 x Traverse left
- 1 x Traverse right
- 2 x Spacing struts
- 12 x Cage nuts

spacing room on the rear side



3 slots at the left side
and right side of the rail

Application example

789303

Extension housing for IQ8Control and FlexES Control



Features

- For the installation of up to 6 transponders and FO converters with installation kit (Part No. 788605).

The standard extension housing can be used to mount additional modules, e.g. esserbus transponders and ERA/ESSER Remote Access equipment.

Technical Data

| | |
|---------------------|--|
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -10 °C ... 50 °C |
| Type of protection | IP 30 |
| Housing | ABS plastic, 10% glass fiber reinforced, V - 0 |
| Color | gray, similar to Pantone 538 |
| Weight | approx. 5 kg |
| Dimensions | W: 450 mm H: 320 mm D: 185 mm |



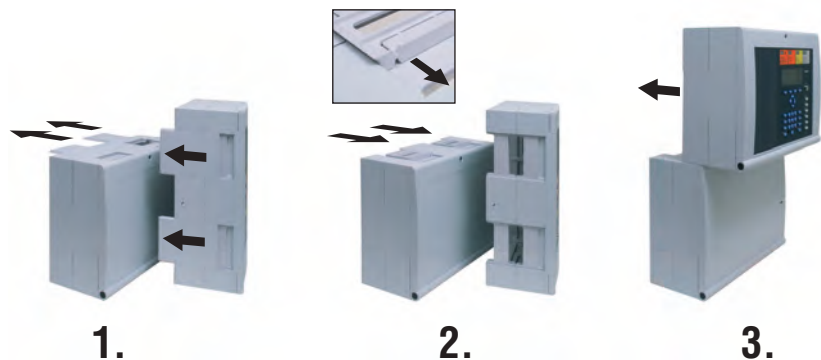
Housing complete with standard rear panel, neutral front and material for attaching to the existing control panel housing.

Assembling the housing parts

Take off the 4 standard covers.

Insert the 2 connecting elements.

Put the 2 housings on top of each other and push them together.



Connection between the central housing and the extension housing

FX808338

Expansion housing with 2 DIN rails



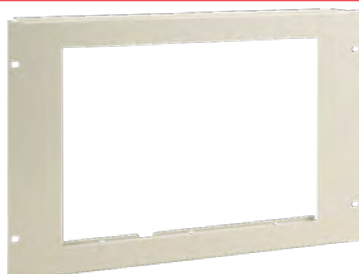
Control panel expansion housing with 2 DIN rails for inserting essernet switches, fiber optic converters, couplers in cap rail enclosures etc.
For application-oriented completion and expansion of voice alarm system or fire alarm systems.

Technical Data

| | |
|------------|------------------|
| Dimensions | L: 350 mm (rail) |
|------------|------------------|

772445

Mounting frame 19" rack for IQ8Control C/M



Includes installation material



Mounting frame with 6 HU for mounting of operating front and printer.

743212

Spare keys (No. 1D009)

Two keys.



28 days

To lock and unlock the HMI of fire alarm panels 2214, 3004, 3006, 3007, 3008, extinguishing panel 4908 and 8010, LCD tableau 4750 and upright cabinets (Part No. 769163 and 769164).

743245

Lever lock with 2 keys (No. 801)

Two keys and one cylinder lock.

For housing and printer frame of fire alarm panels 2001, 8007, 8008, 8000 C/M and IQ8Control C/M.

769914

Spare keys (No. 801)

Two keys.

For HMI, housing and printer frame respectively of fire alarm panels 2001, 3002, 8007, 8008, 8000 C/M and IQ8Control C/M.

743248

Lever lock with 2 keys (No. 901)

Two keys and one cylinder lock.

To lock and unlock the HMI, housing and printer frame respectively of fire alarm panels 2001, 8007, 8008, 8000 C/M, IQ8Control C/M, FlexES and extinguishing panel 8010.

769915

Spare keys (No. 901)

Two keys.

For HMI, housing and printer frame respectively of fire alarm panels 2001, 8007, 8008, 8000 C/M, IQ8Control C/M, FlexES and extinguishing panel 8010.

744030

Dummy cover 19", 2 HU

For covering free installation space in upright cabinets and wallmount cabinets, 2 HU.

Technical Data

Material
Color

sheet steel
gray, similar to RAL 7035



One height unit (HU) covers 44.45 mm.



28 days

| | |
|--------|---|
| 744027 | <div><div>Dummy cover 19", 3 HU</div><div><div></div><div>Same as 744030, but 3 HU.</div><div><div>Technical Data</div><div>Color<div>gray similar to RAL 7035</div></div></div><div><div><div></div><div>28 days</div></div></div></div></div> |
| 744028 | <div><div>Dummy cover 19", 5 HU</div><div><div></div><div>Same as 744030, but 5 HU.</div><div><div><div></div><div>28 days</div></div></div></div></div> |
| 744029 | <div><div>Dummy cover 19", 9 HU</div><div><div></div><div>Same as 744030, but 9 HU.</div><div><div><div></div><div>28 days</div></div></div></div></div> |

Maintenance and Test Equipment

789861

Programming software tools 8000



Features

One software for all panels:

- Start-up
- Programming
- Loop diagnosis
- Maintenance software

Convenient Windows programming software CD for programming the fire alarm panels belonging in Series System 8000, IQ8Control, FlexES Control, Gateway and extended supplementary text in ¼ VGA display.

Available Languages:

Czech, Danish, English, French, German, Hungarian, Italian, Slovakian, Spanish, Polish, Portuguese, Romanian and Russian.

For programming, the (Part No. 789862.10) field bus interface is required.



System requirements:

- FACP 8000 C/M, FACP 8008, IQ8Control C/M, FlexES Control or ECP 8010 as of software version V2.20
- PC/Notebook as of Windows 7 or higher
- Recommended configuration: 512 MB RAM, 500 MHz CPU
- This software is also used for the LCD panels 7851xx

789860.10

Starter kit equipment PPlus with programming software tools 8000



The field bus interface is used as a programming interface between the FACP and the PC/ notebook.

Furthermore, the field bus interface facilitates the direct connection of a ring bus to the convenient monitoring of a finished installation and the elimination of possible cabling mistakes.

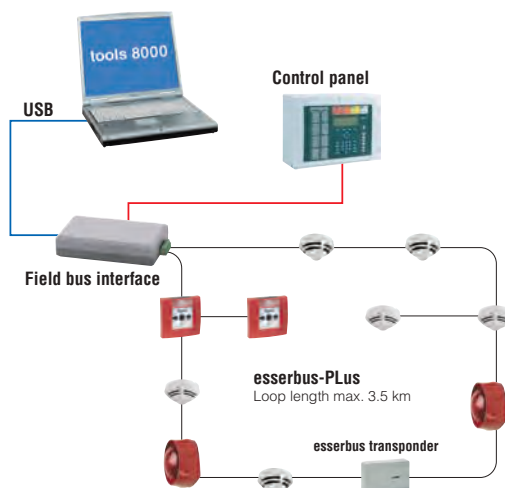


- | | |
|-----------|---|
| 789861 | Programming software for tools 8000 |
| 789862.10 | Field bus and control panel interface PPlus |
| 789863 | USB cable |
| 789864 | Serial connecting cable |

Accessories

BME2Z002 Switched-mode power supply with cylindrical plug

789866 USB programming cable for extinguishing panel 8010



Application example

789862.10



Field bus interface PLus

Interface for the programming of the FACP 8007, 8000 C/M, 8008, gateway, ABIGA and Extinguishing Control Panels 8010 or for the direct field-side connection of a single installed loop. With the optional switched-mode power supply (Part No. BME2Z002), bus-supplied alarm signaling equipment can be tested independently from the control panel via the direct connection to the field bus interface (Part No. 789862.10). (V1.12 or above of programming software tools 8000 is required)

Technical Data

| | |
|---------------------|--|
| Ambient temperature | 5 °C ... 45 °C |
| Storage temperature | 0 °C ... 50 °C |
| Housing | plastic, PS (Polystyrene) |
| Color | white, similar to RAL 9010 / gray, similar to RAL 7035 |
| Weight | approx. 300 g |
| Dimensions | W: 68 mm H: 30 mm D: 135 mm |



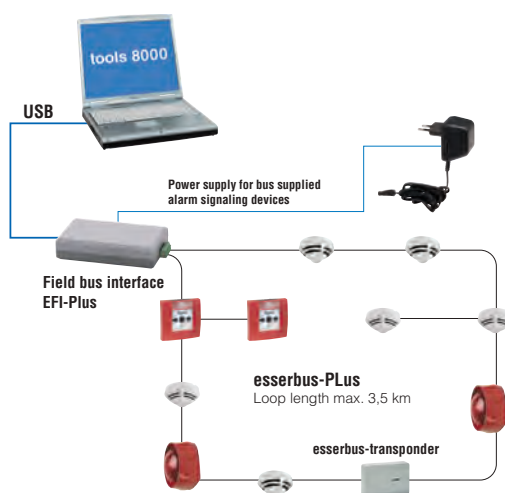
Connecting cables (Part No. 789863 and 789864) are not included in delivery.



One interface and two 6-pin plugs.

Accessories

BME2Z002 Switched-mode power supply with cylindrical plug



Application example

789863



USB cable A/B for 789862.10 field bus and panel interface

Hi-Speed USB 2.0 Industrial cable 28AWG/1P + 20AWG/2C (model CU-2820-18) with enhanced power wires for connection of the field bus and panel interface PLus to the service PC or notebook - only this cable must be used for this purpose.

Technical Data

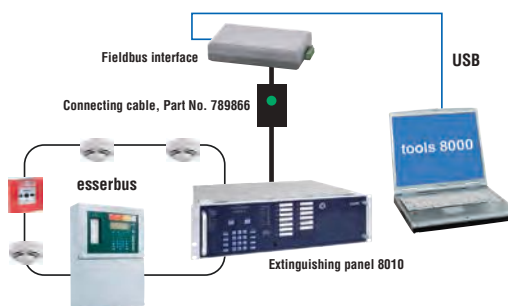
| | |
|--------------|-------|
| Cable length | 1,8 m |
|--------------|-------|

789866



USB programming cable for ECP 8010

Connecting lead for programming the extinguishing control panel 8010.



789864



Serial connecting cable for 789862.10

For connecting the field bus interface to panels 8007, 8000 C/M, 8008, Gateway, ABIGA and IQ8Control. With 4-pin special plug for the control panel.

Technical Data

| | |
|--------------|-------|
| Cable length | 1,9 m |
|--------------|-------|

BME22002



Switched-mode power supply with cylindrical plug

Wall power supply for current supply of powered loop devices during installation & maintenance with field bus interface without FACP.

Technical Data

| | |
|----------------|---------|
| Output voltage | 12 V DC |
| Output current | 1 A |

POL-ESS TOUCH

NEW



Handheld esserbus testing and configuration device

POL-ESS TOUCH is a professional configuration tool which is able to recognize all esserbus or esserbus-Plus and ES Detect loop devices, whether configured or new. Being standalone means you can work from anywhere in the system.

Configured loops are stored in the internal memory of the device, in a tools 8000 compatible format, and can be copied directly to a PC, e-mailed for checking or used for configuring the system offline.

Using the device is easy thanks to the touch screen with its user-friendly icons and clear, automated, one-touch functions.

The loop display clearly identifies the status, position and number of loop components, and makes it easy to check the device status.

The automatic map feature allows you to recognise the topology of the connected system, detect wiring or connection faults and certify the loops on the system. Saved loop files can be easily downloaded via USB without the need for special software. This makes it possible to retrieve and send the saved files for reviewing, checking and configuring the system.

The device displays and the loop log file include detailed information on the status of the devices, read directly from the EPROM, allowing you to identify all connected equipment clearly and effectively.

The equipment display allows you to read the date of manufacture, version, number of alarms and even to recognize specific types of fault such as dirty camera, input or output short circuit, internal equipment faults, etc. The register function generates a log file with the states of the selected devices or the whole loop, offering precise supervision of system operation with a status report of each device.

Features

- Portable configuration and maintenance tool
- Color touchscreen with user-friendly functions
- Compatible with esserbus/esserbus-Plus and ES Detect
- Testing and localization of loop faults
- Detailed information and device control
- Status and maintenance log
- Internal memory and USB port for connection to PC
- Power Supply via 12 V DC charger or internal battery
- Loop file compatible with tools 8000

Technical Data

Common technical data:

| | |
|-------------------------|---|
| Application temperature | 0 °C ... 50 °C |
| Storage temperature | -20 °C ... 30 °C |
| Air humidity | < ≤65% % |
| Color | Black housing and gray protective cover |
| Weight | approx. 550 g |
| Dimensions | W: 177 mm H: 97 mm D: 44 mm (incl. rubber protective cover) |



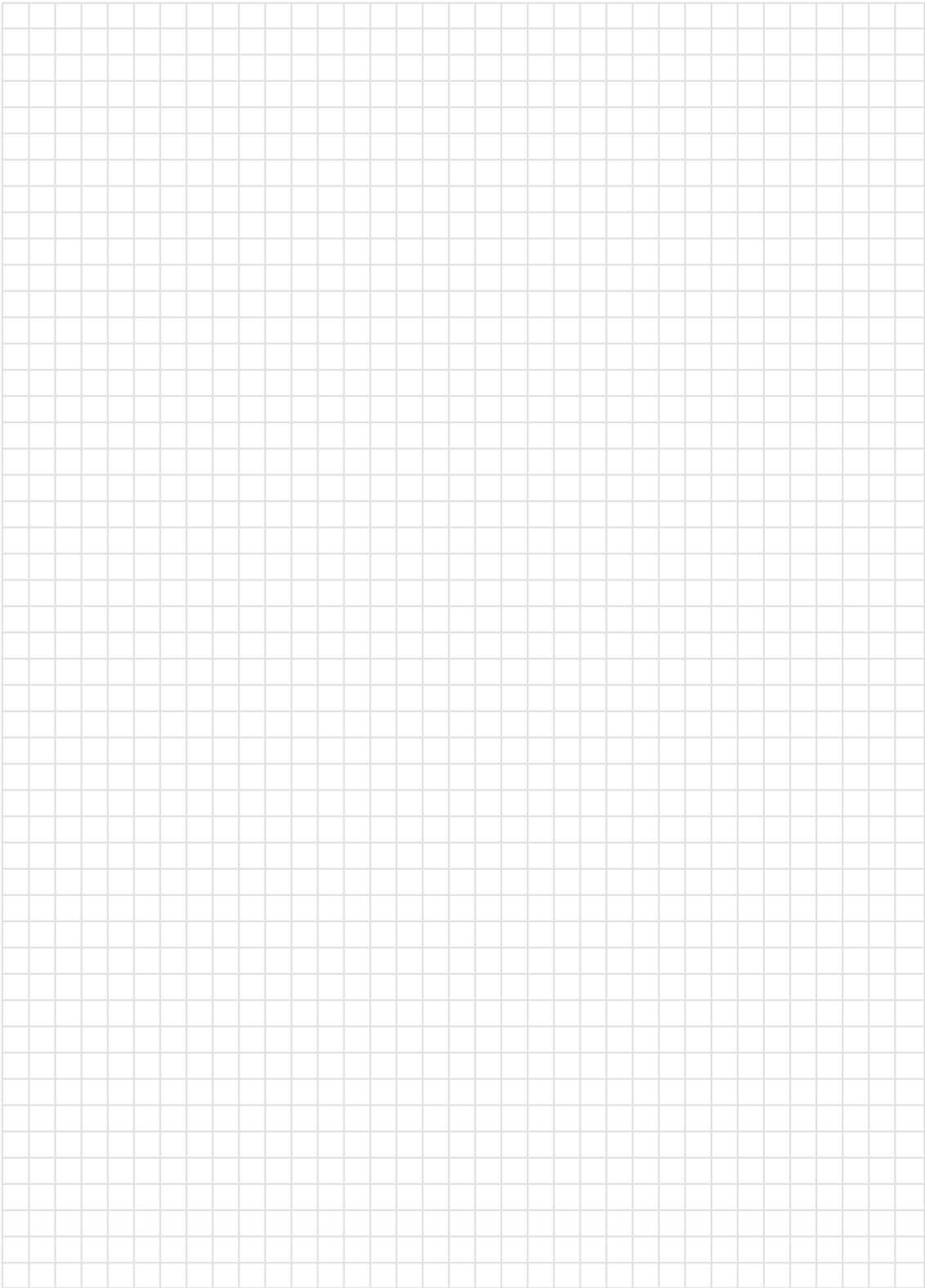
Due to its nature, this article contains components classified as dangerous goods. Please clarify in advance with your forwarding agent if he accepts the transport of dangerous goods and if necessary observe the import regulations. The dangerous goods class for road transport or air transport is as follows:

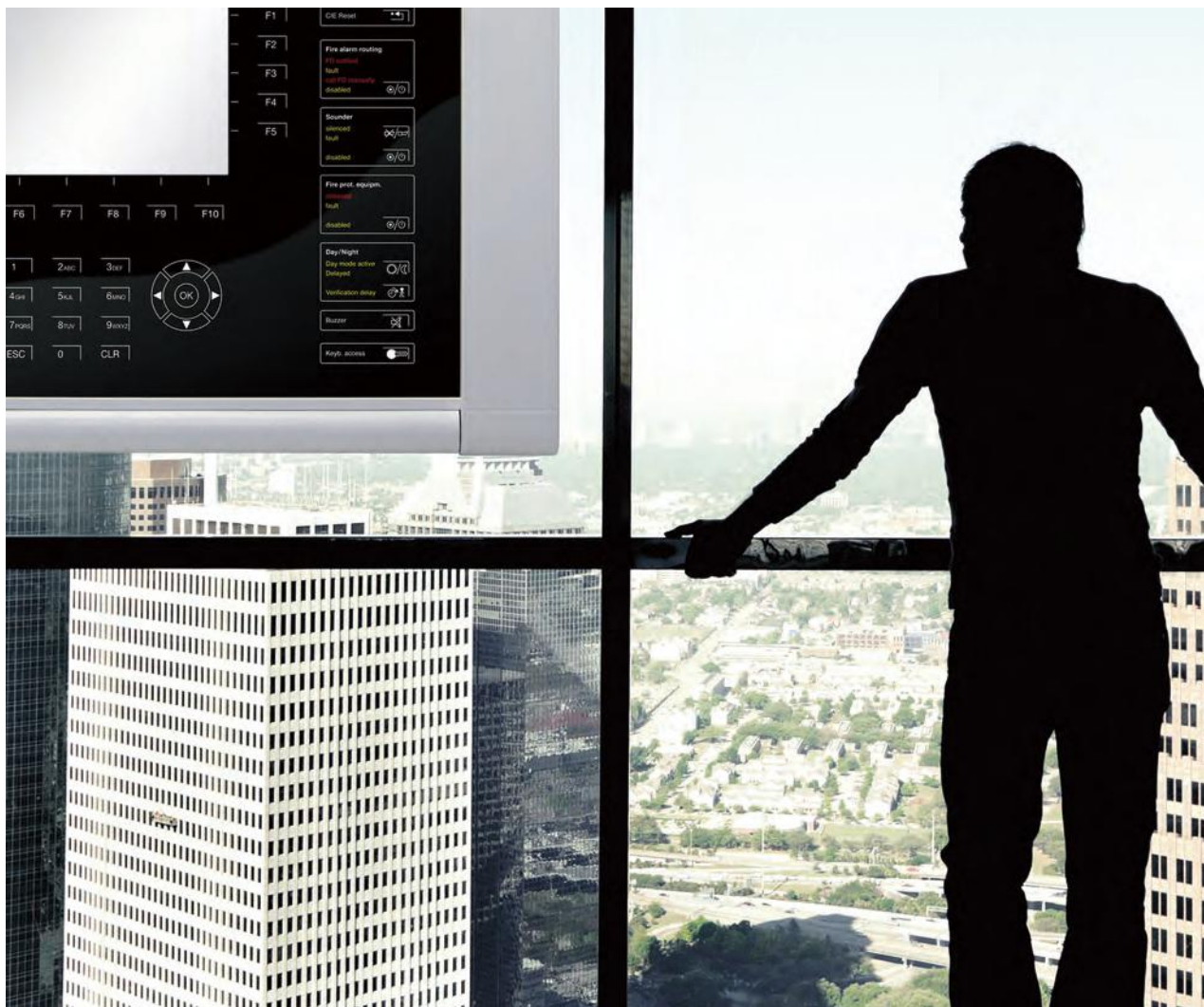
UN-No. UN3496

ADR-Class 9



Power supply unit and batteries included.

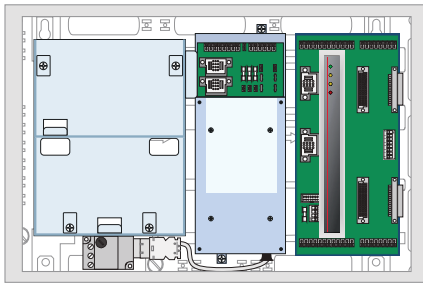




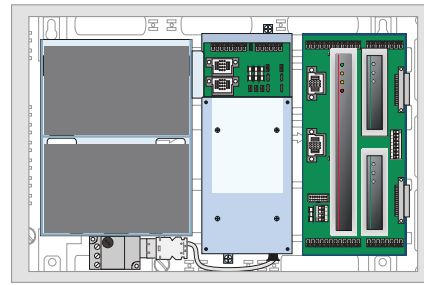
System FlexES Control

| | |
|--|-------|
| FlexES Control/Intelligent Addressable | 38-46 |
| Power Supply Extension | 47-51 |
| Extension Modules | 52 |
| 19" Rack/Intelligent Addressable | 53-58 |
| Modules for FlexES System | 59-60 |
| Accessories FlexES Control | 61-62 |

Ordering Procedure of FACP FlexES Control FX2

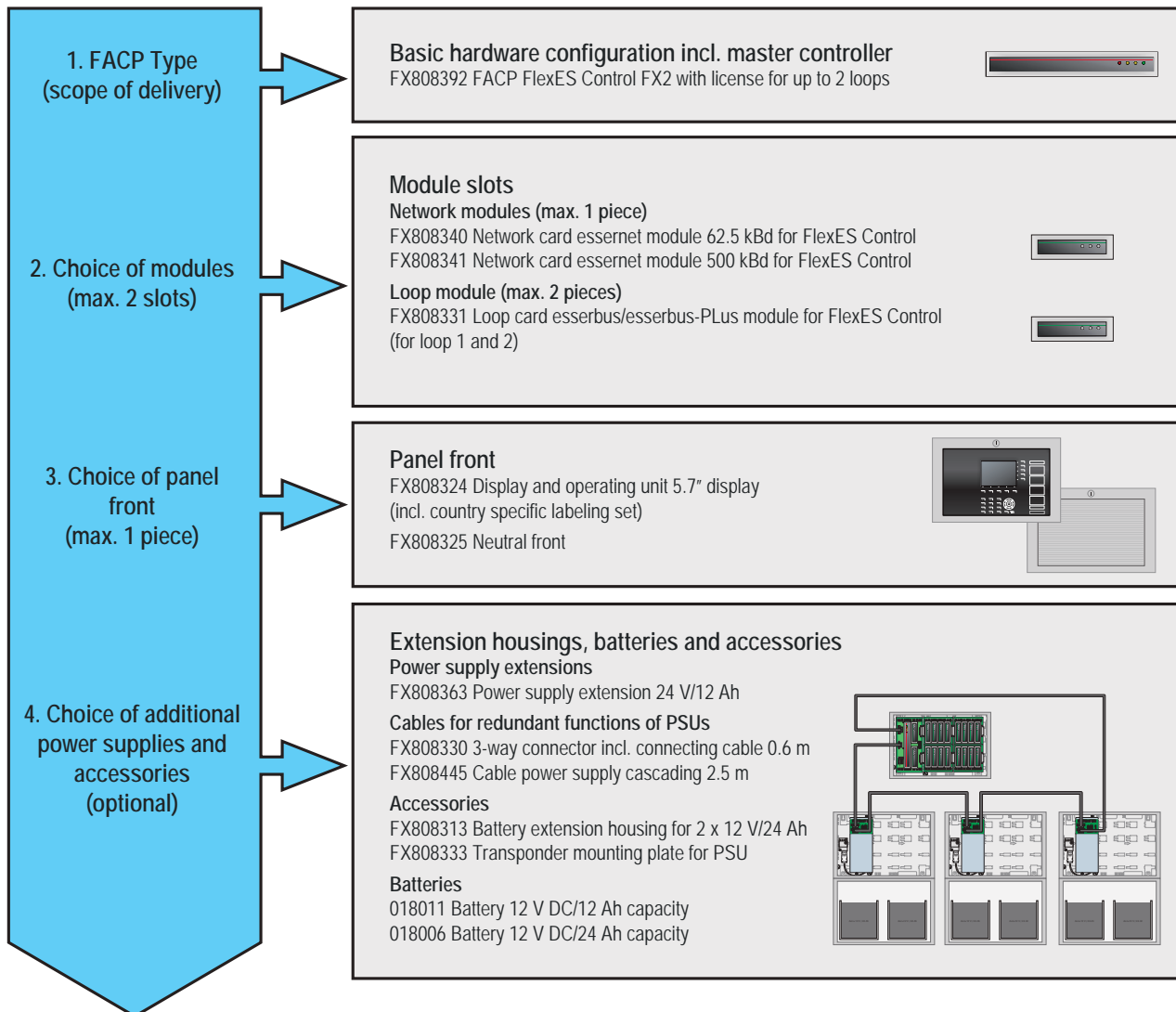


Delivery
condition



Examples/options for module slots of FX2:

- a.) Standard: master controller + 2 module slots
- b.) Networked: master controller + network module + 1 module slot



FlexES Control FX2

FX808392



Features

- Combinable loop/spur technology with decentralized intelligence
- Freely configurable functionality of modules
- 4 free programmable potential free contacts and 1 output for alarm transmission unit (ATU)
- Increased availability via emergency mode function of the loop modules
- Emergency mode for monitored areas up to 48,000 m² or more than 512 fire detectors acc. to the German Planning standard VDE 0833 and/or VdS 2095
- USB, RS 485, TTY interfaces onboard
- Direct output of the proprietary EDP communications protocol (Data Protocol) via interface RS 485
- Operation of loop-powered alarm signaling devices (optical/acoustic/voice) in different alarm zones via esserbus-PLus
- Cascadable power supply to 450 W according to EN 54-4
- Loop length up to 3.5 km (esserbus)
- Operation of different input/output gateways
- Integrated interfaces for operation of required fire brigade periphery, e.g. fire brigade indicating panel, fire brigade operating unit
- Event memory with 10,000 entries
- Operation of VdS-approved wireless components with convenient field intensity measurement
- Parameterization, calibration and programming directly via USB
- Galvanic isolation of loops possible
- Up to 1,000 control zones

In connection with display and operating unit (Part No. FX808324)

- Display and operating unit with 5.7" TFT display
- Capacitive keyboard for touch-sensitive operation
- Program-controlled night design with interactive keyboard menu

Additional features for powered loop

- BUS supplied, synchronously controlled, acoustic alarm signaling devices as per DIN EN 54 - 3 with alarm tone as per DIN 33404
- Up to 48 powered loop base sounders (Series 9200) per loop
- Up to 32 powered loop IQ8Alarm / IQ8Alarm Plus devices per loop
- Up to 64 powered loop IQ8Alarm Plus So / FSo devices per loop
- Up to 48 IQ8Quad with alarm device per loop

FACP FlexES Control FX2 (2 loops)

Approval: VdS, CNBOP

VdS system authorization: S 209207

Basic set for assembly of a FACP with module slots and software support of 2 modules. The modular FACP FlexES Control concept offers three pre-configured, factory-made expansion units (FX2, FX10, FX18) for operating up to 2, 10 or 18 modules. The FlexES Control expansion can, however, also be adapted to individual requirements by using separately provided components. Depending on the system's design, it might be necessary to use an expansion housing unit for the batteries and an additional power supply unit. The FlexES system provides a Master & Slave Control Module (CPU), galvanically isolated loop modules and up to three cascable and redundant Power Supply Units each with 150W (same or different main). As well it's delivered with a dust filter, which is proven in use in typical applications with dust-laden environment and/or sanddust regions. System supports up to 254 digital loop addresses in total. Configuration is modularly expandable up to 10/18 loops by exchange of the CPU license and housing extensions.

Technical Data

| | |
|--------------------------------------|---|
| Rated voltage | 230 V AC |
| Rated frequency | 50 Hz ... 60 Hz |
| Rated current | 0.8 A |
| Output voltage | 24 V DC |
| Quiescent current | approx. 192 mA (base model w/o display and operating unit) approx. 348 mA (base model with display and operating unit) |
| Current consumption for ext. devices | 3 A |
| Battery capacity | 2 x 12 V / 12 Ah (max. 4 x 12 V/24 Ah) |
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -10 °C ... 50 °C |
| Air humidity | < 95 % (non-condensing) |
| Type of protection | IP 30 |
| Housing | ABS, 10% glass fiber reinforced, V - 0 |
| Color | gray, similar to Pantone 538 |
| Weight | approx. 6.5 kg |
| Dimensions | W: 450 mm H: 320 mm D: 185 mm |
| Declaration of Performance | DoP-20903130701 |



Optionally: the display and operating unit (Part No. FX808324), labeling set (Part No. FX808484) or the neutral front (Part No. FX808325) must be ordered separately.

Following external printers could be switched on FlexES Control:

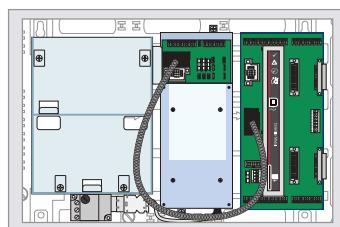
- Epson LQ300
- MEFA (Part No. FX808353, FX808354)

Max. two micromodules, up to two esserbus analog loops and expandable up to 127 loop devices (per loop) in mixed mode / loop powered and non-loop powered (system supports up to 254 digital loop addresses in total).

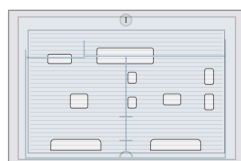


Set includes 1 x power supply module, 1 x plug-in connection cable, 1 x PS connection module connecting cable 0.6 m, 1 x rear panel 1, 1 x control module, 1 x housing frame and 1 x base module carrier, 1 x set air filter

FlexES Control FX2

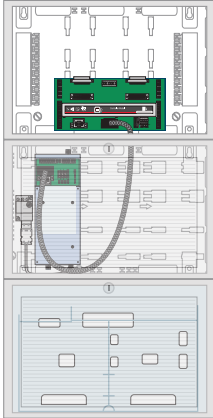
Please order separately:
Display and operating unit
or neutral front

Option: Extension housing including neutral front

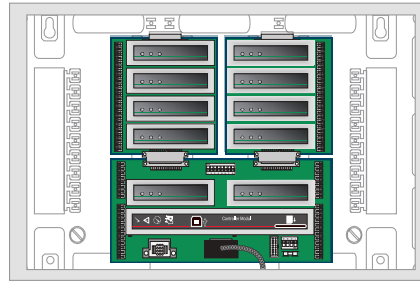


max. 2 x 12 V/12 Ah

Ordering Procedure of FACP FlexES Control FX10

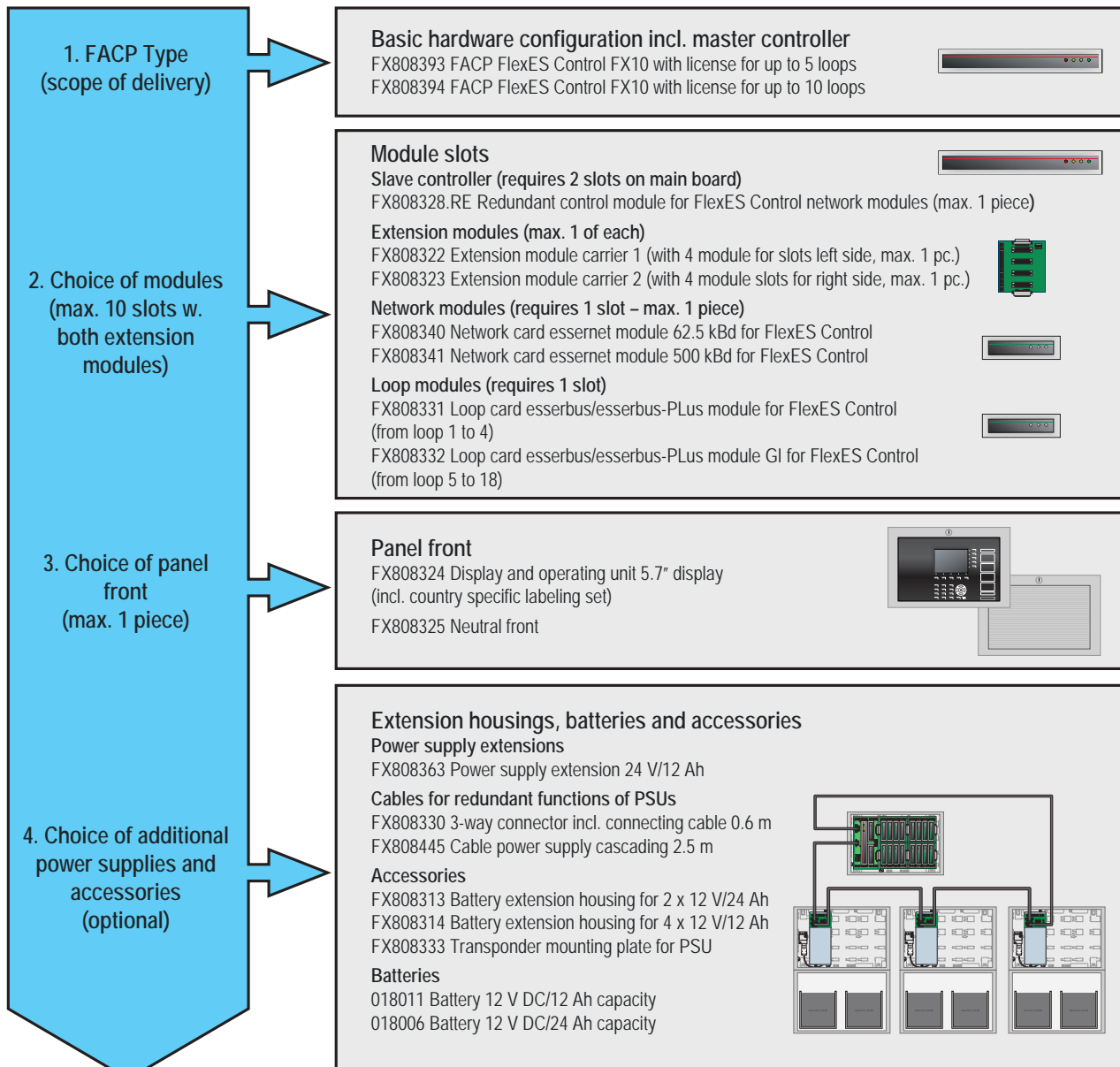


Delivery condition



Examples/options for module slots of FX10:

- a.) Standard: master controller + 10 module slots
- b.) Networked: master controller + network module + 9 module slots
- c.) Redundant: master controller + slave controller redundant + 8 module slots
- d.) Redundant & networked: master controller + slave controller redundant + network module + 7 module slots



FlexES Control FX10



Features

- Master/slave CPU by redundant control module
- Combinable loop/spur technology with decentralized intelligence
- Freely configurable functionality of modules
- 4 free programmable potential free contacts and 1 output for alarm transmission unit (ATU)
- Increased availability via emergency mode function of the loop modules
- Emergency mode for monitored areas up to 48,000 m² or more than 512 fire detectors acc. to the German Planning standard VDE 0833 and/or VdS 2095.
- USB, RS 485, TTY interfaces onboard
- Direct output of the proprietary EDP communications protocol (Data Protocol) via interface RS 485
- Operation of loop-powered alarm signaling devices (optical/acoustic/voice) in different alarm zones via esserbus-PLUS
- Cascadable power supply to 450 W according to EN 54-4
- Loop length up to 3.5 km (esserbus)
- Operation of different input/output gateways
- Integrated interfaces for operation of required fire brigade periphery, e.g. fire brigade indicating panel, fire brigade operating unit
- Event memory with 10,000 entries
- Operation of VdS-approved wireless components with convenient field intensity measurement
- Parameterization, calibration and programming directly via USB
- Galvanic isolation of analog loops possible
- Up to 1,000 control zones

In connection with display and operating unit (Part No. FX808324)

- Display and operating unit with 5.7" TFT display
- Capacitive keyboard for touch-sensitive operation
- Program-controlled night design with interactive keyboard menu

Additional features for powered loop

- BUS supplied, synchronously controlled, acoustic alarm signaling devices as per DIN EN 54 - 3 with alarm tone as per DIN 33404
- Up to 48 powered loop base sounders (Series 9200) per loop
- Up to 32 powered loop IQ8Alarm / IQ8Alarm Plus devices per loop
- Up to 64 powered loop IQ8Alarm Plus So / FSo devices per loop
- Up to 48 IQ8Quad with alarm device per loop

Approval: VdS, CNBOP

VdS system authorization: S 209207

Basic set for assembly of a FACP with vertical expansion for a maximum of 10 module slots. The modular FACP FlexES Control concept offers three pre-configured, factory-made expansion units (FX2, FX10, FX18) for operating up to 2, 10 or 18 modules. The FlexES Control expansion can, however, also be adapted to individual requirements by using separately provided components. Depending on the system's design, it might be necessary to use an expansion housing unit for the batteries and an additional power supply unit. The FlexES system provides a Master & Slave Control Module (CPU), galvanically isolated loop modules and up to three cascadable and redundant Power Supply Units each with 150W (same or different main). As well it's delivered with a dust filter, which is proven in use in typical applications with dust-laden environment and/or sanddust regions.

Technical Data

| | |
|--------------------------------------|---|
| Rated voltage | 230 V AC |
| Rated frequency | 50 Hz ... 60 Hz |
| Rated current | 0.8 A |
| Output voltage | 24 V DC |
| Quiescent current | approx. 192 mA (base model w/o display and operating unit) approx. 348 mA (base model with display and operating unit) |
| Current consumption for ext. devices | 3 A |
| Battery capacity | 4 x 12 V / 24 Ah |
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -10 °C ... 50 °C |
| Air humidity | < 95 % |
| Type of protection | IP 30 |
| Housing | ABS, 10% glass fiber reinforced, V - 0 |
| Color | gray, similar to Pantone 538 |
| Weight | approx. 15.1 kg (incl. neutral front) approx. 17 kg (incl. operating unit) |
| Dimensions | W: 450 mm H: 960 mm D: 185 mm |
| Declaration of Performance | DoP-20903130701 |

- Expandable to a maximum of ten module slots via optional extension module carriers. Space for required batteries in one or several extension housings.

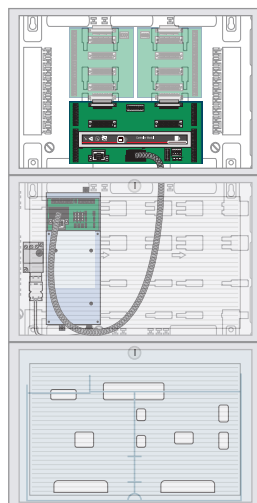
The following external printers could be switched on FlexES Control:

- Epson LQ300
- MEFA (Part No. FX808352, FX808354)

Optionally: the display and operating unit (Part No. FX808324), labeling set (Part No. FX808484) or the neutral front (Part No. FX808325) must be ordered separately.

Max. 10 micromodules, up to 10 esserbus analog loops and expandable up to 127 loop devices (per loop) in mixed mode / loop powered and non-loop powered (system supports up to 1,270 digital loop addresses in total).

- Set includes 1 x power supply module, 1 x plug-in connection cable, 1 x PS connection module, connecting cable 0.6 m, 1 x rear panel 2, 1 x control module, 1 x housing frame and 1 x base module carrier, 1 x set air filter

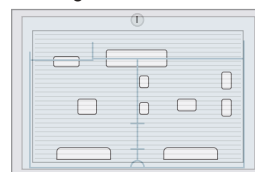


FlexES Control FX10

Please order separately:
Display and operating unit
or neutral front



Extension housing
including neutral front



max. 2 x 12 V/24 Ah

FX808393

FACP FlexES Control FX10 (5 loops)

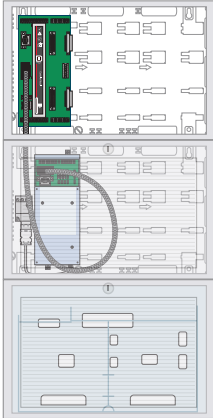
Hardware FlexES Control FX10 basic configuration, with software support for 5 loops. System supports up to 635 digital loop addresses in total. Configuration is modularly expandable up to 10 loops by exchange of the CPU license.

FX808394

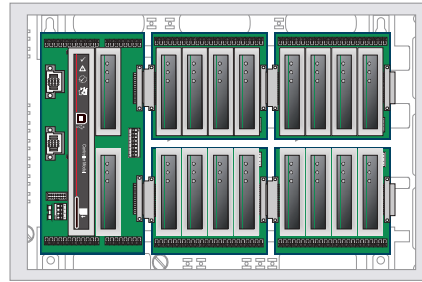
FACP FlexES Control FX10 (10 loops)

Hardware FlexES Control FX10 basic configuration, with software support for 10 loops. System supports up to 1,270 digital loop addresses in total. Configuration is modularly expandable up to 18 loops by exchange of the CPU license and exchange of back plane.

Ordering Procedure of FACP FlexES Control FX18

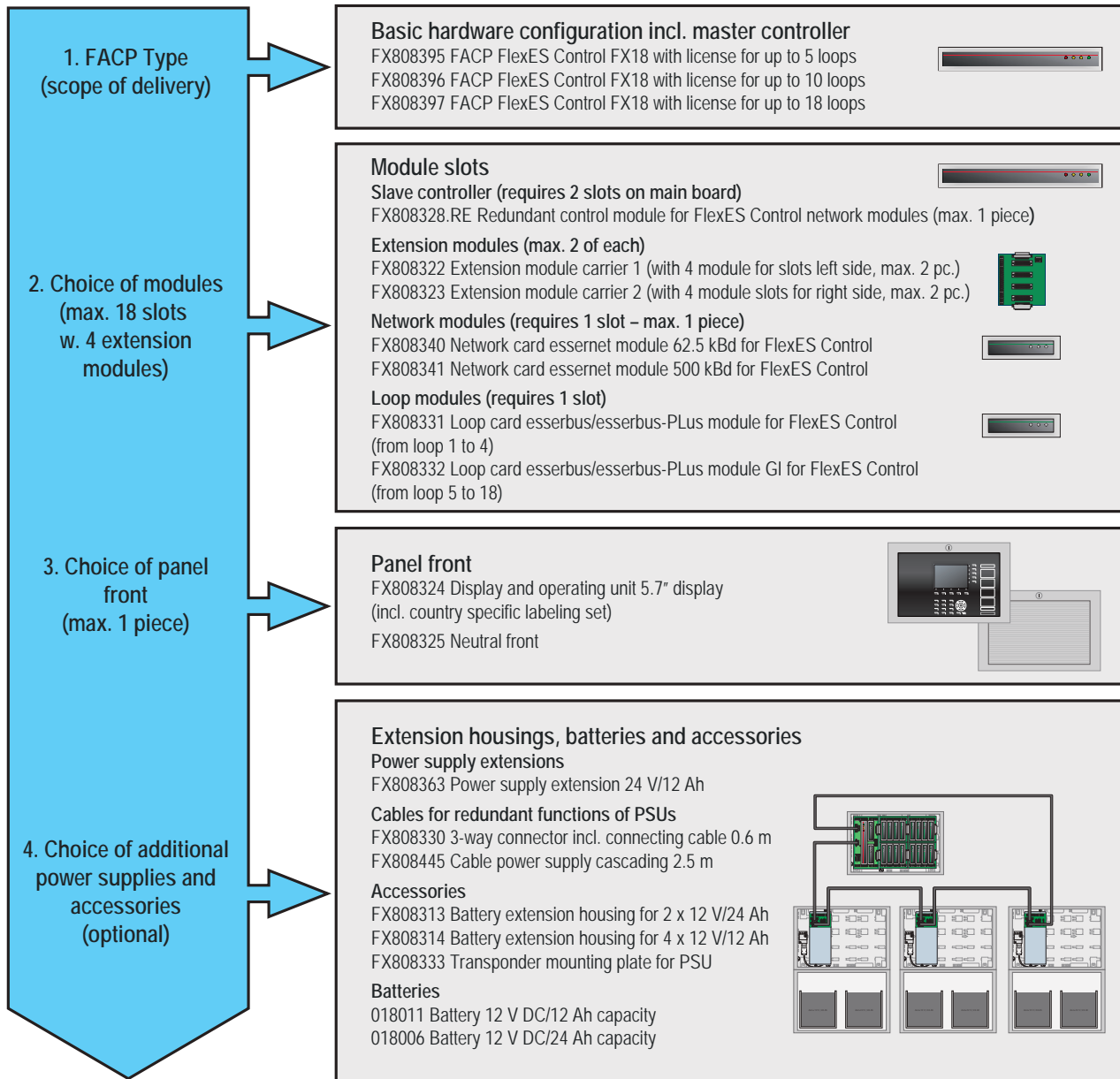


Delivery condition



Examples/options for module slots of FX18:

- a.) Standard: master controller + 18 module slots
- b.) Networked: master controller + network module + 17 module slots
- c.) Redundant: master controller + slave controller redundant + 16 module slots
- d.) Redundant & networked: master controller + slave controller redundant + network module + 15 module slots



FlexES Control FX18



Features

- Master/slave CPU by redundant control module
- Combinable loop/spur technology with decentralized intelligence
- Freely configurable functionality of modules
- 4 free programmable potential free contacts and 1 output for alarm transmission unit (ATU)
- Increased availability via emergency mode function of the loop modules
- Emergency mode for monitored areas up to 48,000 m² or more than 512 fire detectors acc. to the German Planning standard VDE 0833 and/or VdS 2095
- USB, RS 485, TTY interfaces onboard
- Direct output of the proprietary EDP communications protocol (Data Protocol) via interface RS 485
- Operation of loop-powered alarm signaling devices (optical/acoustic/voice) in different alarm zones via esserbus-PLUS
- Cascadable power supply to 450 W according to EN 54-4
- Loop length up to 3.5 km (esserbus)
- Operation of different input/output gateways
- Event memory with 10,000 entries
- Integrated interfaces for operation of required fire brigade periphery, e.g. fire brigade indicating panel, fire brigade operating unit
- Operation of VdS-approved wireless components with convenient field intensity measurement
- Parameterization, calibration and programming directly via USB
- Galvanic isolation of analog loops possible
- Up to 1,000 control zones

In connection with display and operating unit

- Display and operating unit with 5.7" TFT display
- Capacitive keyboard for touch-sensitive operation
- Program-controlled night design with interactive keyboard menu

Additional features for powered loop

- BUS supplied, synchronously controlled, acoustic alarm signaling devices as per DIN EN 54 - 3 with alarm tone as per DIN 33404
- Up to 48 powered loop base sounders (Series 9200) per loop
- Up to 32 powered loop IQ8Alarm / IQ8Alarm Plus devices per loop
- Up to 64 powered loop IQ8Alarm Plus So / FSo devices per loop
- Up to 48 IQ8Quad with alarm device per loop

Approval: VdS, CNBOP, EN

VdS system authorization: S 209207

Basic set for assembly of a FACP with horizontal extension for a maximum of 18 module slots. The modular FACP FlexES Control concept offers three pre-configured, factory-made expansion units (FX2, FX10, FX18) for operating up to 2, 10 or 18 modules. The FlexES Control expansion can, however, also be adapted to individual requirements by using separately provided components. Depending on the system's design, it might be necessary to use an expansion housing unit for the batteries and an additional power supply unit. The FlexES System provides a Master & Slave Control Module (CPU), galvanically isolated loop modules and up to three cascadable and redundant power supply units each with 150 W (same or different main). As well it's delivered with a dust filter, which is proven in use in typical applications with dust-laden environment and/or sanddust regions.

Technical Data

| | |
|--------------------------------------|---|
| Rated voltage | 230 V AC |
| Rated frequency | 50 Hz ... 60 Hz |
| Rated current | 0.8 A |
| Output voltage | 24 V DC |
| Quiescent current | approx. 192 mA (base model w/o display and operating unit) approx. 348 mA (base model with display and operating unit) |
| Current consumption for ext. devices | 3 A |
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -10 °C ... 50 °C |
| Air humidity | < 95 % (non-condensing) |
| Type of protection | IP 30 |
| Housing | ABS, 10% glass fiber reinforced, V - 0 |
| Color | gray, similar to Pantone 538 |
| Weight | approx. 15.1 kg (incl. neutral front) approx. 17 kg (incl. operating unit) |
| Dimensions | W: 450 mm H: 960 mm D: 185 mm |
| Declaration of Performance | DoP-20903130701 |

i Expandable to a maximum of eighteen module slots via optional extension module carriers. Space for required batteries in one or several extension housings.

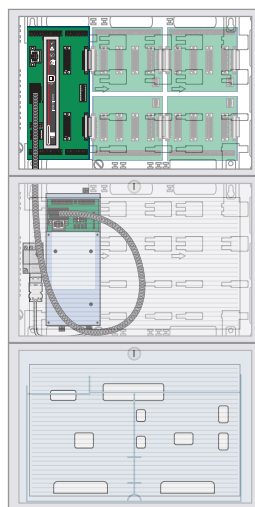
The following external printers could be switched on FlexES Control:

- Epson LQ300
- MEFA (Part No. FX808353, FX808354)

Optionally: the display and operating unit, labeling set or the neutral front must be ordered separately.

Max. 18 micromodules, up to 18 esserbus analog loops and expandable up to 127 loop devices (per loop) in mixed mode / loop powered and non-loop powered (system supports up to 2,286 digital loop addresses in total).

b Set includes 1 x power supply module, 1 x plugin connection cable, 1 x PS connection module, 1 x rear panel 1, 1 x control module, 1 x housing frame and 1 x base module carrier, 1 x set air filter

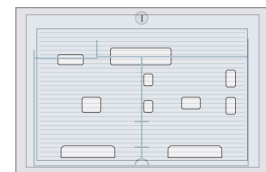


FlexES Control FX18

Please order separately:
Display and operating unit
or neutral front



Extension housing
including neutral front



max. 2 x 12 V/24 Ah

FX808395**FACP FlexES Control FX18 (5 loops)**

Hardware FlexES Control FX18 basic configuration, with software support for 5 loops. System supports up to 635 digital loop addresses in total. Configuration is modularly expandable up to 18 loops by exchange of the CPU license.

FX808396**FACP FlexES Control FX18 (10 loops)**

Hardware FlexES Control FX18 basic configuration, with software support for 10 loops. System supports up to 1,270 digital loop addresses in total. Configuration is modularly expandable up to 18 loops by exchange of the CPU license.

FX808397**FACP FlexES Control FX18 (18 loops)**

Hardware FlexES Control FX18 basic configuration, with software support for 18 loops. System supports up to 2,286 digital loop addresses in total.

Operating Fronts for FlexES Control


Please note:

In the future, the base expansion of the main unit and the operating unit will be delivered in separate units.

This simplifies installation and enables faster product delivery. The installation of the control unit is carried out according to the function description. To save valuable resources, in the future installation and operating instructions will be included in different languages on a USB storage device and only a paper Quick Start Guide and the logbook will still be included.

FX808324

Features

- Capacitive keyboard for touch sensitive operation
- Program-controlled night design with interactive keyboard menu
- Four access levels via access codes (details can be found in technical manual)
- Four freely programmable function keys on each access level with operating macros for supplementary functions
- 1/4 VGA (5.7-Inch) monochrome display

Display and operating unit with 5.7" display

Operating front including mounting frame and housing lock for display and operation of a fire alarm panel or a fire alarm system. HMI (Human Machine Interface) with capacitive keys and hidden-until-lit status indicators for intuitive operation during status changes. Operator password via access codes for all levels, with menu navigation display in different operation levels.

Technical Data

| | |
|---------------------|------------------------------|
| Operating voltage | 24 V DC |
| Quiescent current | approx. 156 mA |
| Resolution | 320 x 240 pixel |
| Ambient temperature | -5 °C ... 45 °C |
| Air humidity | < 95 % (non-condensing) |
| Color | black, similar to RAL9005 |
| Weight | approx. 1 kg |
| Dimensions | W: 450 mm H: 320 mm D: 30 mm |


Please note:

To save valuable resources, in the future installation and operating instructions will be included in different languages on a USB storage device and only a paper short operating instruction and the logbook will still be included.



Built into front frame including housing lock, hinge unit and mounting material.

Labeling sets included:

Bulgarian, Chinese simplified, Chinese traditional, Croatian, Czech, Danish, Dutch (Netherlands), English (International), English (FM), English/Arabic, Flemish (Belgium), French (France), French (Switzerland), German (Austria), German (Germany), German (Switzerland), Greek, Hungarian, Italian, Polish, Portuguese, Romania, Russian, Slovakian, Slovenian, Spanish, Turkish, Walloon (Belgium)

FX808325

Neutral front

Blank front for covering the housing opening as alternative for an operating unit.

Technical Data

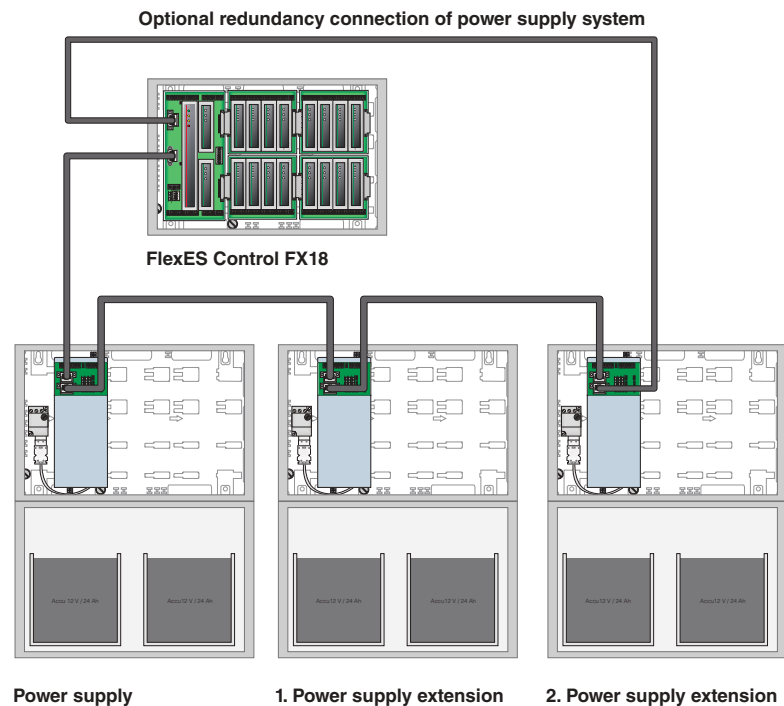
| | |
|------------|------------------------------|
| Color | gray, similar to Pantone 538 |
| Weight | approx. 0.3 kg |
| Dimensions | W: 450 mm H: 320 mm D: 30 mm |



Built into front frame including housing lock, hinge unit and mounting material.

A maximum of 450 W is available at 24 V per panel by “cascading” power supply modules. Each power supply module can monitor and charge 2 x 2 batteries 12 V/24 Ah or 12 V/12 Ah fulfilling the required emergency power buffering time by EN 54-4. A maximum battery capacity of 24 V/48 Ah per power supply is available, which may be increased up to 144 Ah with three power supply modules. Thus, the system has sufficient energy reserves for alarm zones, fire protection equipment and indicating devices, line smoke and heat detectors as well as other detection and control equipment of the system.

Optionally, the power supply can be installed in a redundant ring wiring. A “three-phase supply” (400 V) is also possible offering the advantage of separate phase supply for each power supply module. Even in the event of a loss of one phase, two more power supplies are still available to supply the system.



FX808363

Power supply extension 24 V/12 Ah



Additional power supply for extension of the power supply in the basic control panel set. The power supply extension supplements the existing panel power supply with an additional 150 W via a plug-in line connection. There is space for two 12 V/12 Ah batteries on the bottom of the housing. Two additional 12 Ah batteries can be connected with an extra housing (Part No. FX808314).

Technical Data

| | |
|--------------------------------------|--|
| Rated voltage | 230 V AC |
| Rated frequency | 50 Hz ... 60 Hz |
| Rated current | 0.7 A |
| Output voltage | 24 V DC |
| Output current | max. 6 A (total) |
| Current consumption for ext. devices | 3 A |
| Battery capacity | 4 x 12 V / 12 Ah (max. 4 x 12 V/12 Ah) |
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -10 °C ... 50 °C |
| Air humidity | < 95 % (non-condensing) |
| Housing | ABS, 10% glass fiber reinforced, V - 0 |
| Color | gray, similar to Pantone 538 |
| Weight | approx. 6.2 kg |
| Dimensions | W: 450 mm H: 320 mm D: 185 mm |



Optional units:

018011 battery, maximum 2 x 12 V/12 Ah (24 V/12 Ah)

Battery extension housing FX808314 for 2 x 12 V/12 Ah

Only the same types of battery (manufacturer, date of manufacture, capacity, and charge status) may be connected to the power supply module.

Cascading details are mentioned in the technical manual Part No. included in accessories.



Set includes 1 x housing rear panel 1, 1 x housing frame, 1 x battery holder for 2 x 12 V/12 Ah (including PS connection module & connecting cable 0.6 m), 1 x power supply module 24 V DC/150 W, 1 x neutral front and 1 x plug-in connection cable, 1 x set air filter

Accessories

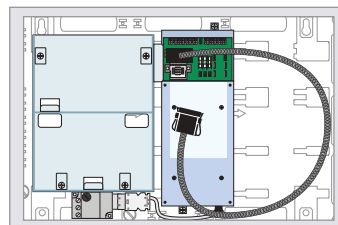
FX808330

3-way plug

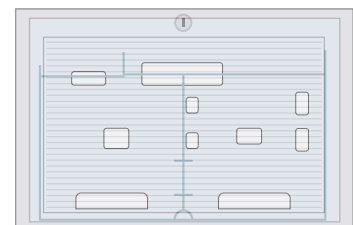
FX808455

Cable power supply cascading 2,5 m

Power supply extension 24 V/12 Ah



Option: Extension housing incl. neutral front



max. 2 x 12 V/12 Ah

FX808364



Power supply extension 24 V/24 Ah

Additional power supply for extension of the power supply in the basic control panel set. The power supply extension supplements the existing panel power supply with an additional 150 W via a plug-in line connection. There is space for two 12 V/24 Ah batteries on the bottom of the housing. Two additional 24 Ah batteries can be connected with an extern housing (Part No. FX808313). Additional components can be mounted onto top-hat rails in the power supply housing.

Technical Data

| | |
|--------------------------------------|--|
| Rated voltage | 230 V AC |
| Rated frequency | 50 Hz ... 60 Hz |
| Rated current | 0.8 A |
| Output voltage | 24 V DC |
| Output current | max. 6 A |
| Current consumption for ext. devices | 3 A |
| Battery capacity | 4 x 12 V / 24 Ah (max. 4 x 12 V 24 Ah) |
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -10 °C ... 50 °C |
| Air humidity | < 95 % (non-condensing) |
| Housing | ABS, 10% glass fiber reinforced, V - 0 |
| Color | gray, similar to Pantone 538 |
| Weight | approx. 10.3 kg |
| Dimensions | W: 450 mm H: 640 mm D: 185 mm |



Optional units:

(Part No. 018006) battery, maximum 2 x 12 V/24 Ah (24 V/24 Ah)

(Part No. FX808313) battery extension housing for 2 x 12 V/24 Ah

Only the same types of battery (manufacturer, date of manufacture, capacity, and charge status) may be connected to the power supply module. Cascading details are mentioned in the technical manual Part No. included in accessories.



Set includes 1 x housing rear panel 1, 1 x housing frame, battery holders for 2 x 24 V/24 Ah (including PS connection module, connecting cable 0.6 m), 1 x power supply module 24 V DC/150 W, 1 x neutral front, 1 x extension housing for two batteries including neutral front and 1 x plug-in connection cable, 1 x set air filter

Accessories

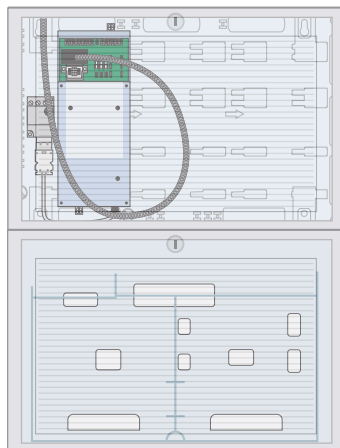
FX808330

3-way plug

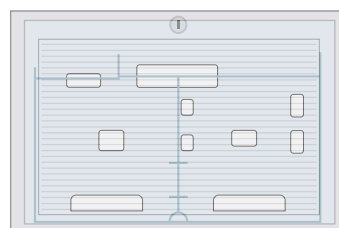
FX808455

Cable power supply cascading 2,5 m

Power Supply Extension 24 V / 24 Ah

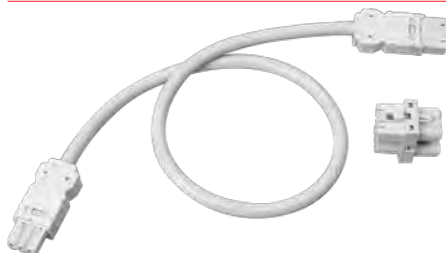


Option: Expansion housing incl. neutral front



max. 2 x 12 V / 24 Ah

FX808330



3-way connector incl. connecting cable 0.6 m

Connector incl. cable for cascading up to three power supply modules. With this connection the power supply modules will be connected to a 230 V AC mains voltage supply line.

Technical Data

| | |
|--------------|-------|
| Cable length | 0,6 m |
|--------------|-------|

Features

- Connector with locking mechanism
- Connection lead for pluggable connection to power supply module

FX808455

Power supply module cascading cable 2.5 m



Plug-in connecting cable for circular wiring of up to three power supply modules.

Technical Data

| | |
|--------------|-------|
| Cable length | 2,5 m |
|--------------|-------|

FX808313

Battery extension housing for 2 x 12 V/24 Ah



Complete plastic housing for two batteries 12 V/24 Ah.

Technical Data

| | |
|---------------------|--|
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -10 °C ... 50 °C |
| Air humidity | < 95 % (non-condensing) |
| Housing | ABS, 10% glass fiber reinforced, V - 0 |
| Color | gray, similar to Pantone 538 |
| Weight | approx. 4.5 kg |
| Dimensions | W: 450 mm H: 320 mm D: 185 mm |



Incl. mounting material, without batteries

FX808314

Battery extension housing for 4 x 12 V/12 Ah

Same as FX808313, but for 4 x 12 V/12 Ah.

Technical Data

| | |
|---------------------|--|
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -10 °C ... 50 °C |
| Air humidity | < 95 % (non-condensing) |
| Housing | ABS, 10% glass fiber reinforced, V - 0 |
| Color | gray, similar to Pantone 538 |
| Weight | approx. 4.5 kg |
| Dimensions | W: 450 mm H: 320 mm D: 185 mm |



Incl. mounting material, without batteries

FX808333

Transponder mounting plate FlexES Control for PSU

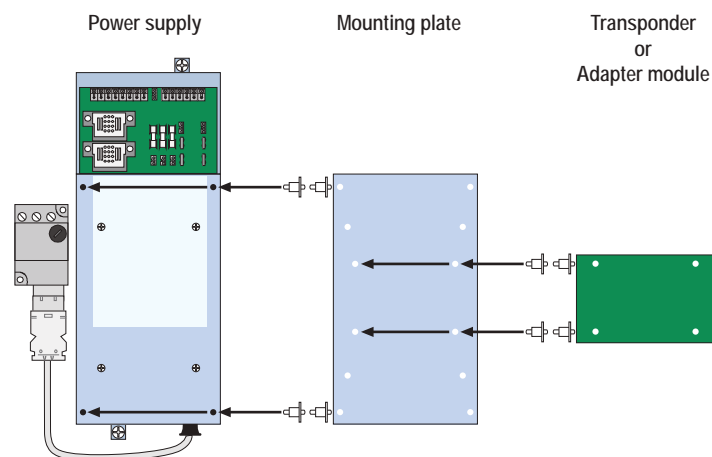


Connect the power supply module with four supplied spacers and use the space for installation of additional components.



Options for installation of components:

- 1 x esserbus transponder e.g. 12 relay (Part No. 808610.10) or
- 1 x esserbus transponder e.g. alarm transponder (Part No. 808623) or
- 1 x Adapter ADP-N3E-U/EDP or
- 1 x Adapter ADP-N3S/EDP



Application example

FX808326

Power supply module 24 V DC 150 W

A FACP can be fitted with up to three power supply modules. Due to the heat they generate, each power supply module unit must be provided with a separate housing.
One power supply module can power a maximum of 4 x 12 V / 24 Ah (equal to 24 V / 48 Ah) batteries.

| |
|----|
| 1 |
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| 16 |
| 17 |
| 18 |

FX808322



Extension module carrier 1

Approval: VdS, FM

Module carrier in plastic mounting tray for up to four modules with plug-in terminals. The modules automatically lock when plugged in and can be exchanged without using any tool. When the extension module carrier 1 is set up horizontally, the terminals are facing upwards; when set up vertically, the terminals face to the left.

Technical Data

| | |
|------------|------------------------------|
| Weight | approx. 175 g |
| Dimensions | W: 170 mm H: 120 mm D: 25 mm |

FX808323



Extension module carrier 2

Approval: VdS, FM

Module carrier in plastic mounting tray for up to four modules with plug-in terminals. The modules automatically lock when plugged in and can be exchanged without using any tool. When the extension module carrier 2 is set up horizontally, the terminals are facing downwards; when set up vertically, the terminals face to the right.

Technical Data

| | |
|------------|------------------------------|
| Weight | approx. 175 g |
| Dimensions | W: 140 mm H: 120 mm D: 25 mm |



The industry-typical set-up of the new cabinet construction system enables a space-saving design of the FlexES Control FACP for all conceivable applications.

However, due to the large number of possible configurations, no generally valid manufacturer conformity can be designed.

For this reason, a total of eleven different configuration options have been predefined.

These are already pre-tested and must be implemented in this form in order to ensure manufacturer conformity in accordance with construction product guidelines.

If the components are integrated into an equipment cabinet independently by an installer, this installer must declare the conformity.

For this purpose, we provide the installer with a certification form, which must be completed and returned to the operator.

To order an equipment cabinet, regardless of whether the assembly is carried out by ESSER by Honeywell or by the installer, the order must be placed using an appropriate form.

This is available as a download "FlexES order form" in the protected customer area of our website at www.esser-systems.com. Please understand that, in order to comply with the construction

product guidelines, we can only process orders for 19" equipment cabinets, which are available from us together with the completed order form.

The following eleven configuration options can be selected using the order form described above:

 Compatible external serial printers for FlexES Control:

- Epson LQ300
- MEFA (Part No. FX808353, FX808354)

| Configuration 1 | Configuration 2 | Configuration 3 | Configuration 4 | Configuration 5 | Configuration 6 |
|--|--|---|---|---|---|
| Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU |
| Control panel drawer with operating unit 1HU | Control panel drawer with operating unit 1HU | Control panel drawer with operating unit 1HU | Control panel drawer without operating unit 1HU | Control panel drawer without operating unit 1HU | Control panel drawer without operating unit 1HU |
| Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU |
| Power supply drawer 5HU | Power supply drawer 5HU | Power supply drawer 5HU | Power supply drawer 5HU | Power supply drawer 5HU | Power supply drawer 5HU |
| Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU |
| Dummy cover 1HU | Dummy cover 1HU | Dummy cover 1HU | Dummy cover 1HU | Dummy cover 1HU | Dummy cover 1HU |
| Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU |
| Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU |
| Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU |
| Configuration 7 | Configuration 8 | Configuration 9 | Configuration 10 | Configuration 11 | |
| Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | |
| Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU | |
| Control panel drawer FACP without operating unit 1HU | Control panel drawer FACP without operating unit 1HU | Control panel drawer FACP with operating unit 1HU | Control panel drawer FACP with operating unit 1HU | Control panel drawer FACP with operating unit 1HU | |
| Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU | |
| Control panel drawer FACP 2 without operating unit 1HU | Control panel drawer FACP 2 without operating unit 1HU | Control panel drawer FACP 2 with operating unit 1HU | Control panel drawer FACP 2 with operating unit 1HU | Control panel drawer FACP 2 with operating unit 1HU | |
| Power supply drawer FACP 2 5HU | Power supply drawer FACP 2 5HU | Power supply drawer FACP 2 5HU | Power supply drawer FACP 2 5HU | Power supply drawer FACP 2 5HU | |
| Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | |
| Power supply drawer FACP 5HU | Power supply drawer FACP 5HU | Power supply drawer FACP 5HU | Power supply drawer FACP 5HU | Power supply drawer FACP 5HU | |
| Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | |
| Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU | |

FX808430.10R

Heavy-duty drawer with software release for 10 analog loops



Approval: VdS

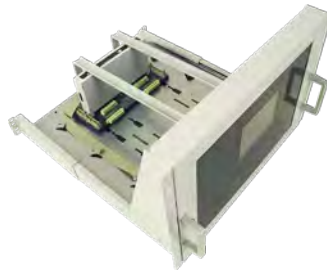
Heavy-duty drawer on ball-bearing metal rails incl. base module carrier and control module for up to four expansion module carriers. The control module is designed for an expansion of max. 10 analog loops.



Display and operating front must be ordered separately.



1 x heavy duty drawer incl. installation accessories, 1 x control module for 10 analog loops, incl. 2 x fasteners



Application example with HMI

FX808430.18R

Heavy-duty drawer with software release for 18 analog loops



Approval: VdS

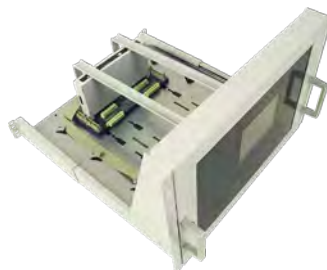
Heavy-duty drawer on ball-bearing metal rails incl. base module carrier and control module for up to four expansion module carriers. The control module is designed for an expansion of max. 18 analog loops.



Display and operating front must be ordered separately.

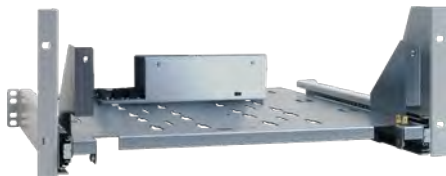


1 x heavy-duty drawer including installation accessories, 1 x control module for 18 loop modules.



Application example with HMI



FX808431

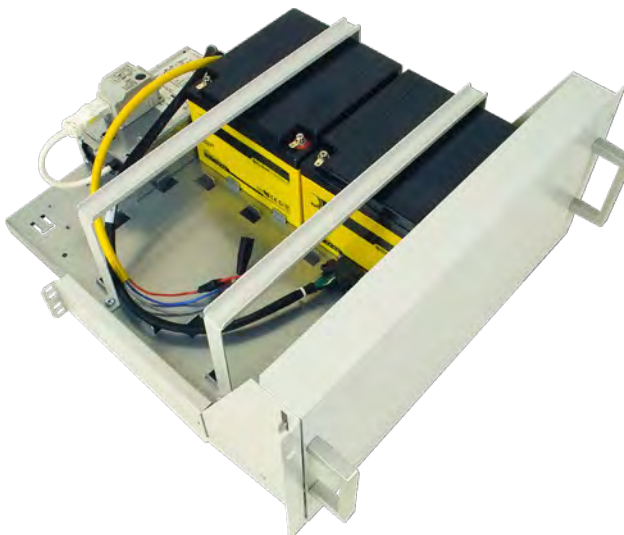


Heavy-duty drawer with power supply unit, 5 HU

Approval: VdS

Heavy-duty drawer on ball-bearing metal rails with power supply module and space for up to four batteries 12 V/24 Ah.

-  Dummy cover for heavy-duty drawer PSU, 5 HU must be ordered separately.
-  1 x Heavy-duty drawer incl. installation material
- 1 x Power supply module (PSM) 24 V DC / 150 W with plug-in connection cable (FX808326)



Application example with HMI

FX808324.19



Display and operating unit for rack, 7 HU

Same as FX808324, but for rack installation. Operating unit front, including tilting assembly frame for display and operation of the FACP or a fire alarm system.

HMI (Human Machine Interface) with capacitive keys and backlit status displays for intuitive operation in the event of a change of status.

Operating release through access codes for all levels, with menu-driven display at different operating levels.

- Capacitive keyboard for touch sensitive operation
- Program-controlled night design with interactive keyboard menu
- Four access levels via access codes (details can be found in technical manual)
- Four freely programmable function keys on each access level with operating macros for supplementary functions
- 5.7" monochrome display

Technical Data

| | |
|---------------------|------------------------------|
| Operating voltage | 24 V DC |
| Quiescent current | approx. 156 mA |
| Resolution | 320 x 240 pixel |
| Ambient temperature | -5 °C ... 45 °C |
| Air humidity | < 95 % (non-condensing) |
| Color | black, similar to RAL9005 |
| Weight | approx. 1 kg |
| Dimensions | W: 450 mm H: 320 mm D: 30 mm |



Please note:

To save valuable resources, installation and operating instructions are included in different languages on a USB storage device and only a paper short operating instruction and the logbook will continue to be included.



Labeling sets included:

Bulgarian, Chinese simplified, Chinese traditional, Croatian, Czech, Danish, Dutch (Netherlands), English (International), English (FM), English/Arabic, Flemish (Belgium), French (France), French (Switzerland), German (Austria), German (Germany), German (Switzerland), Greek, Hungarian, Italian, Polish, Portuguese, Romania, Russian, Slovakian, Slovenian, Spanish, Turkish, Walloon (Belgium)

FX808432



Expansion module carrier 1 for preconfigured cabling

Approval: VdS, FM

Module carrier in plastic mounting tray for up to four modules. The connection to the relocated plug-in terminal is made over a preconfigured plug-in cable.

 Max. two module carrier 1 can be inserted.

FX808433



Expansion module carrier 2 for preconfigured cabling

Approval: VdS, FM

Module carrier in plastic mounting tray for up to four modules. The connection to the relocated plug-in terminal is made over a preconfigured plug-in cable.

 Max. two module carrier 2 can be inserted.

FX808434



Mounting rail set for connection terminals


Approval: VdS, FM

Four cut-to-length hat rails for mounting connection terminals, transponders, fuses etc. in a 19" housing.

Technical Data

Dimensions

L: 485 mm (hat rails)

 Delivery incl. mounting material to fix the mounting rails in the rack housing.


FX808435



Cable connection terminal for 4 module slots

Approval: VdS, FM

2 m cable connection terminal for wiring connection of esserbus/esserbus-PLus (up to 4 modules) to expansion module carrier.

 Incl. pluggable 2 m connection cable between expansion module carrier and the connection terminal

FX808436

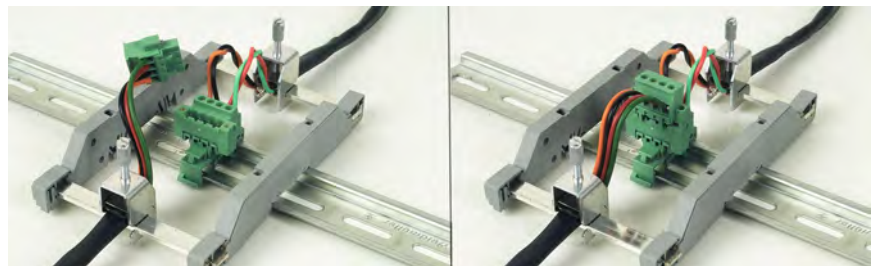


Cable connection terminal for essernet modules

Approval: VdS, FM

2 m cable connection terminal for wiring connection of the essernet with 62.5 kBd or 500 kBd transfer rate.

 Incl. pluggable 2 m connection cable between expansion module carrier and the connection terminal



FX808437



Connection terminal for UBext

Approval: VdS, FM

For external power supply of the periphery over screw-type terminals.



Incl. pluggable connection cable between power supply adapter and connection terminal.

FX808438



Connection terminal for 230 V and 400 V mains power supply

Approval: VdS, FM

In compliance with VDE 0100 a one- or three-phase mains connection supplies up to three power supply modules in the same housing.

FX808439

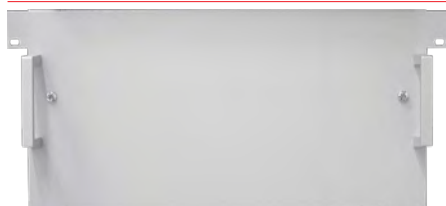


Service drawer (1 HU)

Approval: VdS, FM

Space-saving, ball-bearing-mounted drawer to house programming equipment during servicing and commissioning.

FX808440

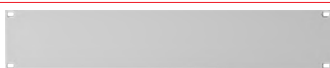


Dummy cover for heavy-duty drawer PSU (5 HU)

Approval: VdS, FM

Dummy cover with 5 HU to cover the heavy-duty drawer (only for FlexES Control racks for Power Supply Unit and batteries) incl. mounting material with two handles.

744030



Dummy cover 19", 2 HU

For covering free installation space in upright cabinets and wallmount cabinets, 2 HU.

Technical Data

| | |
|----------|---------------------------|
| Material | sheet steel |
| Color | gray, similar to RAL 7035 |



One height unit (HU) covers 44.45 mm.



28 days

744027



Dummy cover 19", 3 HU

Same as 744030, but 3 HU.

Technical Data

| | |
|-------|--------------------------|
| Color | gray similar to RAL 7035 |
|-------|--------------------------|



28 days

744028

Dummy cover 19", 5 HU



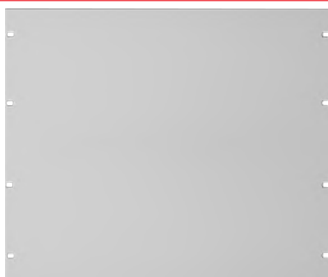
Same as 744030, but 5 HU.



28 days

744029

Dummy cover 19", 9 HU



Same as 744030, but 9 HU.



28 days

769166

Rack cabinet 19" with fixed gate for FlexES Control, incl. mounting



With full-view window to house the 19" FlexES Control system – built-in version.
Cabinet frame with welded 100 mm base and drill holes for floor anchoring.
Rear panel and side panels are removable.
Cable entrance in the roof with brush strip and cover panel, and also in cabinet floor.
800 mm depth and 42 HU rigid frame to house the operating unit and facing with dummy plates.



The upright cabinet is set up and wired according to the chosen configuration option.
Subsequent required functional and safety testing in accordance with VDE 0100.
Assembly is included.

FX808331

Loop card esserbus/esserbus-PLus module for FlexES Control



Features

- For a maximum of 127 devices (IQ8Quad intelligent fire detectors, MCP's, detector Series 9200, esserbus transponder or loop-powered signaling devices)
- Loop length up to 3.5 km
- Support of wireless components
- Permanent monitoring of all active detectors, transponders and alarm signaling devices
- Monitoring of the loops for short circuit, wire break and disturbances
- Quick reactivation of the bus-powered signaling devices after short circuiting in compliance with EN 54-13
- Plastic protective housing with LED displays for fast indication of operating status
- Integrated line isolators for two-way line protection in the event of a short circuit

Approval: VdS, CNBOP, FM

Module in plastic protective housing for connection of an esserbus / esserbus-PLus loop. Mixed operation of esserbus and esserbus-PLus is possible in a fire alarm panel. Up to 18 loops can be realized depending on the extension of the alarm panel and/or on the number of available module slots.

Up to four modules without galvanic isolation can be used in the fire alarm panel. If more than 4 loop modules are used in a panel, modules with galvanic isolation (GI) are necessary to be used from the fifth loop module onwards. Mixed operation of the modules with/without galvanic separation within one control panel is easily possible. Modules are locked mechanically without screws in the slots, just quick & easy. HOT PLUGGING and automatic recognition of modules just by Plug & Play, makes start-up and maintenance easy to handle.

Technical Data

| | |
|-------------------|-----------------------------|
| Operating voltage | 24 V DC |
| Quiescent current | approx. 17 mA |
| Weight | approx. 110 g |
| Dimensions | W: 27 mm H: 93 mm D: 112 mm |

FX808332

Loop card esserbus/esserbus-PLus module GI for FlexES Control



Features

- For a maximum of 127 devices (IQ8Quad intelligent fire detectors, MCP's, detector Series 9200, esserbus transponder or loop-powered signaling devices)
- Loop length up to 3.5 km
- Support of wireless components
- Permanent monitoring of all active detectors, transponders and alarm signaling devices
- Monitoring of the loops for short circuit, wire break and disturbances
- Quick reactivation of the bus-powered signaling devices after short circuiting in compliance with EN 54-13
- Plastic protective housing with LED displays for fast indication of operating status
- Integrated line isolators for two-way line protection in the event of a short circuit
- If more than 4 loop modules are used in a panel, galvanic isolation is required

Approval: VdS, CNBOP, FM

Module in plastic protective housing for connection of an esserbus / esserbus-PLus loop, but with galvanic isolation (GI). The galvanic isolation ensures that any disturbances on one loop do not interfere with the other loops and with the panel itself. Modules are locked mechanically without screws in the slots, just quick & easy. Hot plugging and automatic recognition of modules just by Plug & Play, makes start-up and maintenance easy to handle.

Technical Data

| | |
|-------------------|-----------------------------|
| Operating voltage | 24 V DC |
| Quiescent current | approx. 30 mA |
| Weight | approx. 140 g |
| Dimensions | W: 27 mm H: 93 mm D: 112 mm |

FX808340

Network card essernet module 62.5 kBd for FlexES Control



Approval: VdS, FM

Network module for up to 16 network devices. Plastic protective housing with LED displays for speedy indication of the operating status.
The transmission is via Token-Passing protocol, similar to DIN 19245-1 (Profibus) with loop topology, interruption and short-circuit tolerance. Modules are locked mechanically without screws in the slots, just quick & easy. Hot plugging and automatic recognition of modules just by Plug & Play, makes start-up and maintenance easy to handle.

Technical Data

| | |
|-------------------|--|
| Operating voltage | 24 V DC |
| Quiescent current | approx. 37 mA |
| Weight | approx. 100 g |
| Cable length | 1000 m |
| Cable | telecommunications cable I Y (St) Y n x 2 x 0.8mm or similar |
| Dimensions | W: 27 mm H: 93 mm D: 112 mm |

FX808341

Network card essernet module 500 kBd for FlexES Control



Approval: VdS, FM

Network module for up to 31 network devices. Plastic protective housing with LED displays for quick summary of the operating status.
The transmission is via Token-Passing protocol, similar to DIN 19245-1 (Profibus) with loop topology, interruption and short-circuit tolerance. Modules are locked mechanically without screws in the slots, just quick & easy. Hot plugging and automatic recognition of modules just by Plug & Play, makes start-up and maintenance easy to handle.

Technical Data

| | |
|-------------------|---|
| Operating voltage | 24 V DC |
| Quiescent current | approx. 37 mA |
| Weight | approx. 100 g |
| Cable length | 1000 m |
| Cable | IBM Typ1, Typ1A, Typ2, Typ2A, Typ6, CAT5, CAT6, CAT7 or similar |
| Dimensions | W: 27 mm H: 93 mm D: 112 mm |

FX808328.RE

Redundant control module for FlexES Control



Redundant control module for highest reliability of FlexES Control. Automatic switch-over to overtake all functions of primary control module in case of CPU failure/fault.

Technical Data

| | |
|------------|------------------------------|
| Weight | approx. 270 g |
| Dimensions | W: 27 mm H: 202 mm D: 112 mm |



EMC emission: Class A for individual application at redundant operation complies with EMC policy 2004/108/EG.

FX808326

Power supply module 24 V DC 150 W


A FACP can be fitted with up to three power supply modules. Due to the heat they generate, each power supply module unit must be provided with a separate housing.
One power supply module can power a maximum of 4 x 12 V / 24 Ah (equal to 24 V / 48 Ah) batteries.

744444

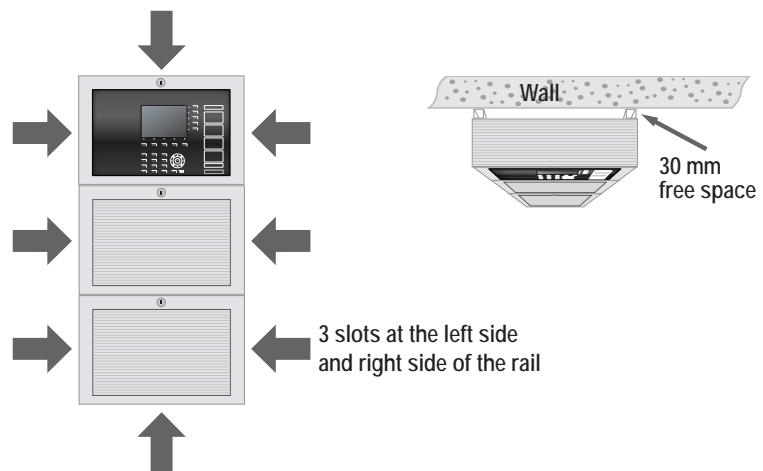
Supporting rails for wall mounting



Assembly and supporting frame for wall mounting of fire alarm control panels IQ8Control, ES Line, Compact and FlexES Control with three respective housing parts. Easy alignment and fastening to a supporting wall by means of horizontal spacing struts, which can be removed after installation in order to simplify the cabling behind the housings. Cabling can be led along the side as cable and installation ducts behind the FACP with additional cable entrances. The FACP housing and frame are fastened to each other with metric screws. The arrangement of the cage nuts corresponds to the attachment points for IQ8Control, ES Line, Compact and FlexES Control.

-  1 x Traverse left
- 1 x Traverse right
- 2 x Spacing struts
- 12 x Cage nuts

spacing room on the rear side



Application example

789303



Features

- For the installation of up to 6 transponders and FO converters with installation kit (Part No. 788605).

Extension housing for IQ8Control and FlexES Control

The standard extension housing can be used to mount additional modules, e.g. esserbus transponders and ERA/ESSER Remote Access equipment.

Technical Data

| | |
|---------------------|--|
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -10 °C ... 50 °C |
| Type of protection | IP 30 |
| Housing | ABS plastic, 10% glass fiber reinforced, V - 0 |
| Color | gray, similar to Pantone 538 |
| Weight | approx. 5 kg |
| Dimensions | W: 450 mm H: 320 mm D: 185 mm |



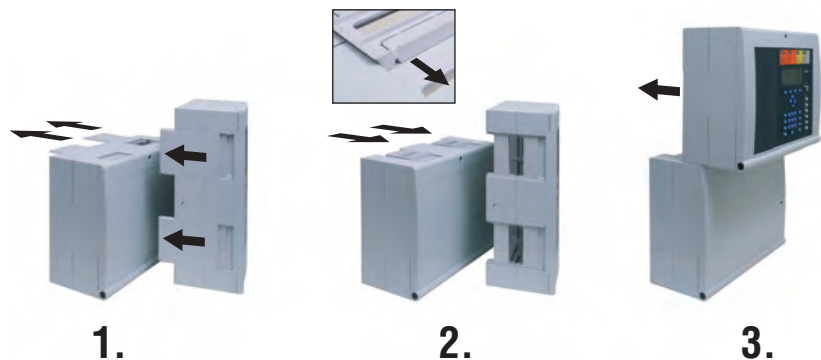
Housing complete with standard rear panel, neutral front and material for attaching to the existing control panel housing.

Assembling the housing parts

Take off the 4 standard covers.

Insert the 2 connecting elements.

Put the 2 housings on top of each other and push them together.



Connection between the central housing and the extension housing

FX808338



Expansion housing with 2 DIN rails

Control panel expansion housing with 2 DIN rails for inserting essernet switches, fiber optic converters, couplers in cap rail enclosures etc.
For application-oriented completion and expansion of voice alarm system or fire alarm systems.

Technical Data

| | |
|------------|------------------|
| Dimensions | L: 350 mm (rail) |
|------------|------------------|

743248



Lever lock with 2 keys (No. 901)

To lock and unlock the HMI, housing and printer frame respectively of fire alarm panels 2001, 8007, 8008, 8000 C/M, IQ8Control C/M, FlexES and extinguishing panel 8010.



Two keys and one cylinder lock.

769915



Spare keys (No. 901)

For HMI, housing and printer frame respectively of fire alarm panels 2001, 8007, 8008, 8000 C/M, IQ8Control C/M, FlexES and extinguishing panel 8010.



Two keys.



Extinguishing Control Panels

Wall Mounting/System 8010

Extinguishing control panel 8010 - 19" (3 HU)

64

65-68



Features

- 1 Extinguishing area for max. 1,600 m² acc. to VdS
- 8 detector zones for up to 30 Series 9200 and IQ8Quad automatic detectors each (for two-detector dependency up to 25 detectors)
- 1 zone for manual alarm
- 1 zone for emergency stop
- 1 zone for post flooding
- 1 zone for extinguishing system fault
- 1 zone for blocking extinguishing system
- 1 control input for buzzer OFF
- 1 control input for control panel reset
- 8 relays, monitored or floating 30 V DC/2 A
- 3 relays, floating 30 V DC/2 A
- 2 mains voltage relays, floating 230 V AC/2 A
- All outputs are provided with fuses

Approval: VdS

Addressable control device with integrated fire detection module for one extinguishing area (e.g. CO₂, FM 200, Hi Expansion foam, Water Mist and Inert Gas, etc.) compliant with VdS 2496 and EN 12094-1. The extinguishing panel 8010 is an electronic control device for extinguishing systems with integrated fire detection module, compatible with Series 9200 and IQ8Quad detectors. It is additionally provided with respective detection zones for manual alarm, post flooding and emergency stop as well as two zones for extinguishing system fault. Complex control functions can be realized by using the 13 control groups (relays). Up to 8 extinguishing areas on the esserbus of the fire detection system communication transponders (optional). A maximum of 16 communication transponders can be networked for each FACP 8000 C/M, IQ8Control 8000, or IQ8Control via the (Part No. 808615).



The free programming software can be downloaded from our website (downloads section).

Accessories

Indicating and operating unit 7884xx (stand alone operation mode required), esserbus communication transponder 808615, control zone indicator and alarm counter 788016, and USB programming cable 789866.

788013.40

Extinguishing panel 8010, Series 4, with operating unit, German

Technical Data

| | |
|----------------------------|--|
| Rated voltage | 230 V AC |
| Rated frequency | 50 Hz ... 60 Hz |
| Rated current | 0.7 A |
| Operating voltage | 24 V DC |
| Quiescent current | approx. 100 mA |
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -10 °C ... 50 °C |
| Air humidity | < 95 % non condensing |
| Housing | sheet steel approx. 1.25 mm |
| Color | gray (similar to RAL 7035), blue (similar to RAL 5003) |
| Weight | approx. 18.3 kg (without battery) |
| Dimensions | W: 488 mm H: 625 mm D: 210 mm |
| Declaration of Performance | DoP-20223130701 |

788013.40.NL

Extinguishing panel 8010, Series 4, with operating unit, Dutch

788013.40.RU

Extinguishing panel 8010, Series 4, with operating unit, Russian

788012.40

Extinguishing panel 8010, Series 4, w/o operating unit



Corresponding indication and operating panel available in different languages, which can be found in "Accessories for Extinguishing Control Panels 8010".

Technical Data

| | |
|----------------------------|--|
| Rated voltage | 230 V AC |
| Rated frequency | 50 Hz ... 60 Hz |
| Rated current | 0.7 A |
| Operating voltage | 24 V DC |
| Quiescent current | approx. 100 mA |
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -10 °C ... 50 °C |
| Air humidity | < 95 % non condensing |
| Housing | sheet steel approx. 1.25 mm |
| Color | gray (similar to RAL 7035), blue (similar to RAL 5003) |
| Weight | approx. 18.3 kg (without battery) |
| Dimensions | W: 488 mm H: 625 mm D: 210 mm |
| Declaration of Performance | DoP-20223130701 |

Extinguishing Control Panels Extinguishing control panel 8010 - 19" (3 HU)

Features

- 8 detector zones for up to 30 Series 9200 or IQ8Quad automatic fire detectors per detector zone (max. 25 detectors in two-detector dependency)
- 1 detector zone manual alarm
- 1 detector zone emergency stop
- 1 detector zone post flooding
- 1 detector zone blocked extinguishing system
- 1 control input buzzer off
- 1 control input reset control panel
- 8 monitorable relays 30 V DC /2A
- 3 floating relays 30 V DC /2A
- 2 relays for mains voltage 230 V (connection at the back)
- Each output is protected by fuses
- Electronically controlled exhauster control

Operating unit:

- 13 LED-indication with inscription fields for indicating activated outputs
- Mechanical alarm counter
- LED display to indicate the detector zone status
- LED collective display
- Keypad can be intuitively handled
- Key operated switch for keypad activation
- Emergency current supply 2 batteries 12 V/12 Ah (not supplied as standard)

Approval: VdS

Addressable EN 12094-1 extinguishing panel for extinguishing zone control in compliance with VdS 2496, with integrated fire detection unit and optional convenient operating and indicating panel.

The slide-in concept enables space-saving, ergonomic integration into a 19" housing for installation heights of only 3 height units (13.34 cm). Peripherals are connected at the back of the housing via plug-in cable connections to accessible connection terminals, allowing convenient installation within the housing before the insert is integrated. With the communication transponder (Part No. 808615), a maximum of eight extinguishing control panels can be networked on one esserbus or powered loop in fire alarm systems FACP 8000 or IQ8Control. Using the programming interface plugged to the front, the extinguishing panel settings can be adjusted to the specific requirements and information can be transferred for visualizing the master fire alarm system via the loop.



The use of heavy duty rails from the respective cabinet manufacturer is recommended for installation in 19" upright cabinets.

Accessories

788653

788654

7884xx

808615

788016

789866

Connection set for 8010 in 19" (3U), 1 m

Connection set for 8010 in 19" (3U), 2 m

Display and control unit (stand-alone operation mode required)

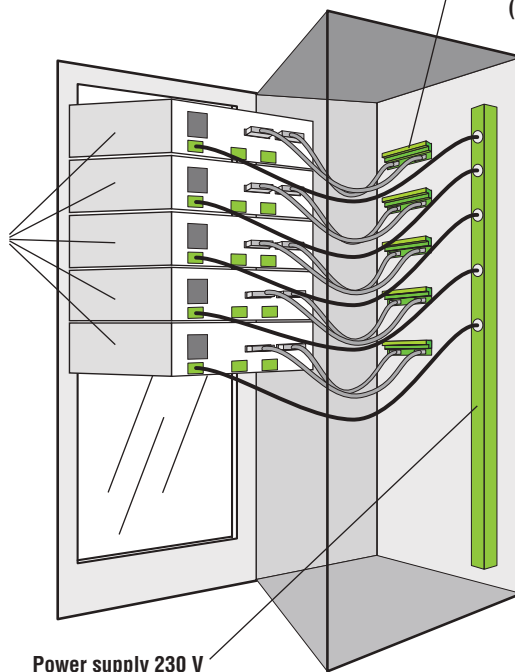
esserbus communication transponder

Control group indicator and alarm counter for LMST 8010

Connection cable for USB programming of LMST 8010

**Special
Connection module
incl. connection cable
(Part No. 788653
or 788654)**

**Fire alarm and
extinguishing
panel
No.1 to No.5**



Power supply 230 V

Installation of multiple extinguishing panels in one upright cabinet

788014.40



Extinguishing control panel, Series 4, German

Technical Data

| | |
|----------------------------|--|
| Rated voltage | 230 V AC |
| Rated frequency | 50 Hz ... 60 Hz |
| Rated current | 0.7 A |
| Operating voltage | 24 V DC |
| Quiescent current | approx. 100 mA |
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -10 °C ... 50 °C |
| Air humidity | < 95 % (non-condensing) |
| Housing | sheet steel |
| Dimensions | W: 483 mm H: 132 mm D: 403 mm (without grip) |
| Declaration of Performance | DoP-20223130701 |

Extinguishing Control Panels Extinguishing control panel 8010 - 19" (3 HU)

788014.40.GB

Extinguishing control panel, Series 4, English

Technical Data

| | |
|----------------------------|--|
| Rated voltage | 230 V AC |
| Rated frequency | 50 Hz ... 60 Hz |
| Rated current | 0.7 A |
| Operating voltage | 24 V DC |
| Quiescent current | approx. 100 mA |
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -10 °C ... 50 °C |
| Air humidity | < 95 % (non-condensing) |
| Housing | sheet steel |
| Dimensions | W: 483 mm H: 132 mm D: 403 mm (without grip) |
| Declaration of Performance | DoP-20223130701 |

788014.40.CZ

Extinguishing control panel, Series 4, Czech

Technical Data

| | |
|----------------------------|--|
| Rated voltage | 230 V AC |
| Rated frequency | 50 Hz ... 60 Hz |
| Rated current | 0.7 A |
| Operating voltage | 24 V DC |
| Quiescent current | approx. 100 mA |
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -10 °C ... 50 °C |
| Air humidity | < 95 % (non-condensing) |
| Housing | sheet steel |
| Dimensions | W: 483 mm H: 132 mm D: 403 mm (without grip) |
| Declaration of Performance | DoP-20223130701 |

788014.40.E

Extinguishing control panel, Series 4, Spanish

Technical Data

| | |
|----------------------------|--|
| Rated voltage | 230 V AC |
| Rated frequency | 50 Hz ... 60 Hz |
| Rated current | 0.7 A |
| Operating voltage | 24 V DC |
| Quiescent current | approx. 100 mA |
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -10 °C ... 50 °C |
| Air humidity | < 95 % (non-condensing) |
| Housing | sheet steel |
| Dimensions | W: 483 mm H: 132 mm D: 403 mm (without grip) |
| Declaration of Performance | DoP-20223130701 |

788014.40.NL

Extinguishing control panel, Series 4, Dutch

Technical Data

| | |
|----------------------------|--|
| Rated voltage | 230 V AC |
| Rated frequency | 50 Hz ... 60 Hz |
| Rated current | 0.7 A |
| Operating voltage | 24 V DC |
| Quiescent current | approx. 100 mA |
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -10 °C ... 50 °C |
| Air humidity | < 95 % (non-condensing) |
| Housing | sheet steel |
| Dimensions | W: 483 mm H: 132 mm D: 403 mm (without grip) |
| Declaration of Performance | DoP-20223130701 |

788014.40.PL

Extinguishing control panel, Series 4, Polish

Technical Data

| | |
|----------------------------|--|
| Rated voltage | 230 V AC |
| Rated frequency | 50 Hz ... 60 Hz |
| Rated current | 0.7 A |
| Operating voltage | 24 V DC |
| Quiescent current | approx. 100 mA |
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -10 °C ... 50 °C |
| Air humidity | < 95 % (non-condensing) |
| Housing | sheet steel |
| Dimensions | W: 483 mm H: 132 mm D: 403 mm (without grip) |
| Declaration of Performance | DoP-20223130701 |

Extinguishing Control Panels Extinguishing control panel 8010 - 19" (3 HU)

788014.40.RO

Extinguishing control panel, Series 4, Romanian

Technical Data

| | |
|----------------------------|--|
| Rated voltage | 230 V AC |
| Rated frequency | 50 Hz ... 60 Hz |
| Rated current | 0.7 A |
| Operating voltage | 24 V DC |
| Quiescent current | approx. 100 mA |
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -10 °C ... 50 °C |
| Air humidity | < 95 % (non-condensing) |
| Housing | sheet steel |
| Dimensions | W: 483 mm H: 132 mm D: 403 mm (without grip) |
| Declaration of Performance | DoP-20223130701 |

788014.40.RU

Extinguishing control panel, Series 4, Russian

Technical Data

| | |
|----------------------------|--|
| Rated voltage | 230 V AC |
| Rated frequency | 50 Hz ... 60 Hz |
| Rated current | 0.7 A |
| Operating voltage | 24 V DC |
| Quiescent current | approx. 100 mA |
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -10 °C ... 50 °C |
| Air humidity | < 95 % (non-condensing) |
| Housing | sheet steel |
| Dimensions | W: 483 mm H: 132 mm D: 403 mm (without grip) |
| Declaration of Performance | DoP-20223130701 |

788014.40.SK

Extinguishing control panel, Series 4, Slovakian

Technical Data

| | |
|----------------------------|--|
| Rated voltage | 230 V AC |
| Rated frequency | 50 Hz ... 60 Hz |
| Rated current | 0.7 A |
| Operating voltage | 24 V DC |
| Quiescent current | approx. 100 mA |
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -10 °C ... 50 °C |
| Air humidity | < 95 % (non-condensing) |
| Housing | sheet steel |
| Dimensions | W: 483 mm H: 132 mm D: 403 mm (without grip) |
| Declaration of Performance | DoP-20223130701 |

Accessories for Extinguishing Control Panels 8010 in 19" Racks

788653

Terminal card for panel 8010 in 19" rack, 1 m



Technical Data

| | |
|----------------------------|-----------------------------|
| Operating voltage | 24 V DC |
| Quiescent current | approx. 100 mA |
| Air humidity | < 95 % (non-condensing) |
| Dimensions | W: 145 mm H: 60 mm D: 75 mm |
| Declaration of Performance | DoP-20223130701 |



Length of plug-in connection cables: 1 m



2 x 50-pin connection cable 1m D-Sub50

1 x Terminal card for top hat rail or C-rail mounting with D-Sub pin connectors

1 x Terminal card for top hat rail or C-rail mounting with D-Sub multi-point connectors

788654

Terminal card for panel 8010 in 19" rack, 2 m

Same as 788653, but plug-in connection cable with 2 m length.

Technical Data

| | |
|----------------------------|-------------------------|
| Operating voltage | 24 V DC |
| Quiescent current | approx. 100 mA |
| Air humidity | < 95 % (non-condensing) |
| Declaration of Performance | DoP-20223130701 |

Extinguishing Control Panels Extinguishing control panel 8010 - 19" (3 HU)

788016

Option control group indication and alarm counter for ECP 8010, German



Additional LEDs for indicating activated control outputs and mechanical alarm counter. The indicators are mounted to the second recess of the 8010 releasing control equipment. The PCB connection cable is connected to the (Part No. 78840x) indicating and operating panel.



Foil with German description

788023.10

Multiple-sector interface in housing



Approval: VdS

For the formation of multiple-sector control, up to four extinguishing panels 8010 can be networked via a multiple-sector interfaces. The cascading of a max. of 3 multiple-sector interface is possible for multi-sector control of a max. of 10 extinguishing panels 8010.

Technical Data

Declaration of Performance

DoP-21170130701

788400

Indicating and operating panel for ECP 8010, German



Integrated detector zone indication in German. Can be set to status indication for control outputs. LED for relevant extinguishing system function indication.



24 h

788401

Indicating and operating panel for ECP 8010, English

Same as 788400, but English.



7 days

788402

Indicating and operating panel for ECP 8010, Polish

Same as 788400, but Polish.

788404

Indicating and operating panel for ECP 8010, Czech

Same as 788400, but Czech.

788406

Indicating and operating panel for ECP 8010, Romanian

Same as 788400, but Romanian.



Displays, Operating Units, Printers

System IQ8Control

70-72

ES Line, Compact, FlexES Control

73-78

Remote Access

79

External Printers

80

LED Indicator Panel

764790

Standard LED remote indicator panel

**Approval: VdS**

Additional indicator for up to 32 alarm, trouble or collective signals. Connection via an integrated 32-pin terminal strip. The indicator is controlled via relay contacts or semiconductor outputs with positive-guided contacts in the hazard detection system. With key for lamp testing, integrated buzzer and easy-to-maintain terminal card. Elegant plastic housing for surface mounting.

Technical Data

| | |
|-----------------------------|---|
| Operating voltage | 10 ... 15 V DC |
| Quiescent current @ 12 V DC | approx. 1 mA |
| Alarm current @ 12 V DC | approx. 380 mA (incl. 32 LED & buzzer) |
| Display | 32 LED, red |
| Connection terminal | max. 1.5mm ² |
| Ambient temperature | -5 °C ... 50 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 |
| Housing | ABS plastic |
| Color | white (similar to RAL 9003), front blue (similar to RAL 5003) |
| Weight | approx. 1000 g |
| Dimensions | W: 270 mm H: 221 mm D: 71 mm |



This indicator panel is not suitable for application as an initial warning device for the fire brigade.

804791

Loop LED remote indicator panel for 32 messages

**Approval: VdS**

Same as 764790, but with integrated and wired esserbus transponder 32 LEDs for operation as a remote indicating panel for the esserbus. For connection to the esserbus and powered loop in fire alarm systems 8000 and IQ8Control.

Technical Data

| | |
|-----------------------------|---|
| Operating voltage | 10 ... 15 V DC |
| Quiescent current @ 12 V DC | approx. 1 mA |
| Alarm current @ 12 V DC | approx. 380 mA (incl. 32 LED & buzzer) |
| Display | 32 LED, red |
| Connection terminal | 1.5 mm ² |
| Ambient temperature | -5 °C ... 50 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % (non-condensing) |
| Type of protection | IP 40 |
| Housing | ABS plastic |
| Color | white (similar to RAL 9003), front blue (similar to RAL 5003) |
| Weight | approx. 1000 g |
| Dimensions | W: 270 mm H: 221 mm D: 71 mm |



Isolator (Part No. 788612) not included, please order separately.

This indicator panel is not suitable for application as an initial warning device for the fire brigade.

LCD Indicator Panel



| Part-No. | NAME |
|----------|---------------------------------|
| 785103 | LCD indicator panel, German |
| 785101 | LCD indicator panel, English |
| 785104 | LCD indicator panel, Italian |
| 785105 | LCD indicator panel, Spanish |
| 785106 | LCD indicator panel, Danish |
| 785107 | LCD indicator panel, Polish |
| 785109 | LCD indicator panel, Czech |
| 785113 | LCD indicator panel, Hungarian |
| 785114 | LCD indicator panel, Dutch |
| 785115 | LCD indicator panel, Turkish |
| 785116 | LCD indicator panel, Portuguese |

Adapter Modules

784744

Adapter module ADP-N3E



Features

- Input: TTY from the internal FACP interface
- Output: DUAL RS 485 to the FAT interface

Microprocessor-controlled module for installation (mounting rail) in System 8000 or IQ8Control fire alarm panels. In compliance with DIN 14675, the TTY interface can be used for redundant transmission when the adaptor is connected and when the fire brigade indicating panel FAT 3000 is used for initially informing the fire brigade. Additional text (> 4,000 texts) can be programmed using a PC with serial interface connection.

Technical Data

| | |
|-----------------------------|-----------------------------|
| Operating voltage | 8 ... 30 V DC |
| Quiescent current @ 12 V DC | approx. 55 mA |
| Contact load relay | 30 V DC / 1 A |
| Connection terminal | max 2 x 0.8 mm ² |
| Ambient temperature | -5 °C ... 40 °C |
| Storage temperature | -10 °C ... 60 °C |
| Weight | approx. 100 g |
| Dimensions | W: 80 mm H: 150 mm D: 30 mm |



The top hat rail module (Part No. 788652) and the module housing for snap-on mounting rail (Part No. 788603.10) can be used for installation. The interface is compatible with FAT 3000 (Part No. 784743). Power is supplied by the fire alarm panel or an external power supply unit. Maximum data line length: 800 m.

784734

Adapter module ADP-N3S



Same as 784744, but for the integration of another fire detection system into an existing redundant FAT 3000 bus in an ADP-N3E adaptor module. Unlike the ADP N3E, the ADP-N3S does not provide power supply for redundant operation.

Technical Data

| | |
|-----------------------------|-----------------------------|
| Operating voltage | 8 ... 30 V DC |
| Quiescent current @ 12 V DC | approx. 60 mA |
| Contact load relay | 30 V DC / 1 A |
| Connection terminal | max 2 x 0.8 mm ² |
| Ambient temperature | -5 °C ... 40 °C |
| Storage temperature | -10 °C ... 60 °C |
| Weight | approx. 100 g |
| Dimensions | W: 80 mm H: 150 mm D: 30 mm |



This adapter is not compatible with FlexES Control!

784753

Adapter module ADP-PRS-422

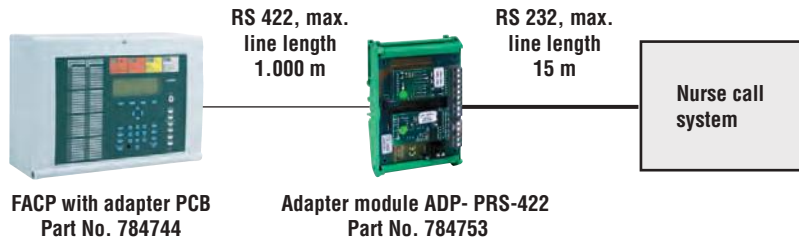


Additional module for connecting a paging system to a Series 8000/IQ8Control fire alarm system with ADP-N3E. To connect the paging system via an electrically isolated RS 232 interface, an ADP-PRS-422 is used.

Technical Data

Operating voltage
Quiescent current @ 12 V DC
Dimensions

8 ... 30 V DC
approx. 5 mA
W: 100 mm H: 80 mm D: 20 mm



784754

Adapter module ADP-PRS-232




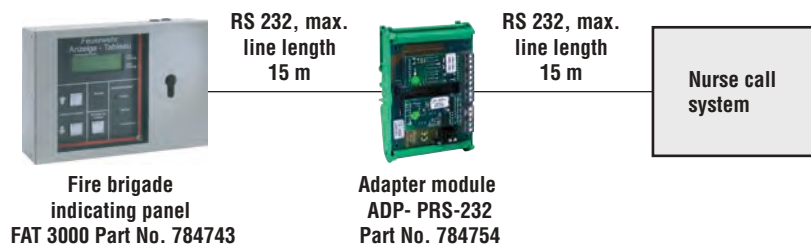
The adapter module is an additional module suitable for electrically isolated connection of a paging system to a FAT 3000. The FAT 3000 programming interface (RS 232 terminal) is used for communication with the paging system. If an electrically isolated connection between the FAT and the paging system is required, an ADP-PRS-232 must be used additionally.

Technical Data

Operating voltage
Quiescent current @ 12 V DC
Dimensions

8 ... 30 V DC
approx. 5 mA
W: 100 mm H: 80 mm D: 20 mm

 The ADP PRS-422 module can also be used to connect a PC to the serial interface Part No. 784847. CD-ROM with programming software FAT ProgWin (Languages: German, English)



Connection example

Touchscreen

FX808460




Touchscreen operating unit, surface mount

Full active high-quality remote display and operating unit for FlexES FACP. System operation is interoperable and intuitive with a touch-sensitive 7" colored display. Individual access levels can be activated with a key code. Software addressing allows using the operating unit together with fire brigade indicating panels and fire brigade operating units on the RS 485 BUS.

Technical Data

| | |
|-------------------------------|------------------------------|
| Operating voltage | 12 ... 30 V DC |
| Current consumption @ 24 V DC | approx. 500 mA |
| Resolution | 800 x 480 pixel |
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | 0 °C ... 50 °C |
| Air humidity | < 20 % |
| Weight | approx. 2050 g |
| Cable length | 700 m |
| Dimensions | W: 270 mm H: 221 mm D: 71 mm |

 The touch display and operating unit cannot be used behind the adapter module ADP-N3E-EDP. The device must be externally power-supplied.

Languages supported: Czech, Dutch (Netherlands), English, Flemish (Belgium), French (France), German, German (Austria), Polish, Romanian, Russian (Cyrillic), Slovakian, Turkish, Walloon (Belgium)

FX808461.10




Touchscreen operating unit, cavity wall mount

Same as FX808460, but for cavity wall mounting.

Technical Data

| | |
|-------------------------------|---|
| Operating voltage | 12 ... 30 V DC |
| Current consumption @ 24 V DC | approx. 500 mA |
| Resolution | 800 x 480 pixel |
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | 0 °C ... 50 °C |
| Air humidity | < 20 % |
| Weight | approx. 2.2 kg |
| Cable length | 700 m |
| Dimensions | W: 203 mm H: 153 mm D: 5 mm (front panel) |

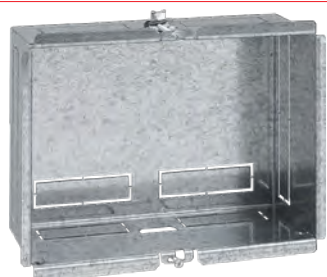
 The touch display and operating unit cannot be used behind the adapter module ADP-N3E-EDP. The device must be externally power-supplied.

Languages supported: Czech, Dutch (Netherlands), English, Flemish (Belgium), French (France), German, German (Austria), Polish, Romanian, Russian (Cyrillic), Slovakian, Turkish, Walloon (Belgium)

Accessories

FX808462 Cavity wall mounting

FX808462



Cavity wall mounting kit for touchscreen operating unit

Hot-dip galvanized sheet metal mounting frame for cavity wall or pedestal mounting to accommodate the touchscreen operating unit Part No. FX808461.10. The fixing of the mounting frame by two clamping screws. The kit cannot be used for touch repeater panel prior version Part No. FX808461.

Technical Data

| | |
|------------|------------------------------|
| Material | hot-galvanized steel housing |
| Weight | approx. 230 g |
| Dimensions | W: 195 mm H: 140 mm D: 79 mm |

LCD Indicator Panels

FX808384

Central remote indicator ZPA 3000, surface mounted, German



Central remote indicator in aesthetic surface-mounted plastic housing as additional display for the fire alarm system. The connection to FlexES Control is made via a serial interface of the FACP. Plain text message with a capacity of 4 lines with 20 characters each is possible. Two messages can be displayed simultaneously. 4,000 texts (1,300 in selective mode) are programmable. If no additional texts are configured, a standard text will be generated. One ZPA 3000 can be connected to each FlexES interface RS 485; so in total two ZPA 3000 per FlexES FACP are possible. Maximum spur between FACP and Central remote indicator is 800 m. Optionally: up to 16 ZPA 3000 connected via adapter module ADP-N3

Technical Data

| | |
|-----------------------------|------------------------------|
| Operating voltage | 10 ... 30 V DC |
| Quiescent current @ 24 V DC | approx. 50 mA |
| Alarm current @ 12 V DC | approx. 100 mA |
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -10 °C ... 50 °C |
| Air humidity | < 95 % (non-condensing) |
| Weight | approx. 1.5 kg |
| Cable length | 700 m |
| Dimensions | W: 223 mm H: 273 mm D: 54 mm |



Application example

FX808385

Central remote indicator ZPA 3000, flush mounted, German



Central remote indicator in aesthetic flush-mounted aluminum housing as additional display for the fire alarm system. The connection to FlexES Control is made via a serial interface of the FACP. Plain text message with a capacity of 4 lines with 20 characters each is possible. Two messages can be displayed simultaneously. 4,000 texts (1,300 in selective mode) are programmable. If no additional texts are configured, a standard text will be generated.

Technical Data

| | |
|-----------------------------|---|
| Operating voltage | 10 ... 30 V DC |
| Quiescent current @ 24 V DC | approx. 50 mA |
| Alarm current @ 12 V DC | approx. 100 mA |
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -10 °C ... 50 °C |
| Air humidity | < 95 % (non-condensing) |
| Weight | approx. 3.5 kg |
| Cable length | 700 m |
| Dimensions | W: 193 mm H: 190 mm D: 60 mm (installation) W: 230 mm H: 230 mm D: 60 mm (outside) |

Adapter Modules

FX808381



Features

- Input: EDP protocol
- Output: ESPA protocol

Adapter module ADP-N3EU-EDP

Microprocessor-based device for installation in FlexES fire alarm panel. In compliance with DIN 14675, the RS 485 interface of the fire alarm panel can be used as a redundant data bus with this adapter if the fire brigade indicating panel FAT 3000 is used for the fire brigade's initial information. Supplementary texts can be programmed via PC (> 4,000 texts). The ESPA interface facilitates a direct connection which is not galvanically isolated to a telecommunication system, paging system or nurse call system.

Technical Data

| | |
|-----------------------------|-----------------------------|
| Operating voltage | 10 ... 30 V DC |
| Quiescent current | approx. 40 mA |
| Quiescent current @ 24 V DC | approx. 40 mA |
| Connection terminal | max 2 x 0.8 mm ² |
| Ambient temperature | 0 °C ... 50 °C |
| Storage temperature | -10 °C ... 60 °C |
| Weight | approx. 100 g |
| Dimensions | W: 80 mm H: 150 mm D: 32 mm |

FX808379



Adapter module ADP-N3S-EDP

Same as FX808381, but designed for connection of an additional FACP in an installed redundant data bus of a fire brigade indicating panel FAT 3000 to an adapter module ADP-N3EU-EDP. In contrast to ADP-N3EU-EDP, the ADP-N3S-EDP does not supply power for the redundant operation.

With a redundant FlexES Control panel, the redundant remote control of the fire brigade periphery requires an ADP-N3S-EDP.

Technical Data

| | |
|-----------------------------|-----------------------------|
| Operating voltage | 10 ... 30 V DC |
| Quiescent current @ 12 V DC | approx. 60 mA |
| Quiescent current @ 24 V DC | approx. 30 mA |
| Connection terminal | max 2 x 0.8 mm ² |
| Ambient temperature | 0 °C ... 50 °C |
| Storage temperature | -10 °C ... 60 °C |
| Weight | approx. 100 g |
| Dimensions | W: 80 mm H: 150 mm D: 30 mm |

Repeater Panels System 4000

FX808463



Repeater panel GMT 4000 for FlexES Control, flush mounted

The repeater panel GMT 4000 is a parallel display and control unit for the FACP FlexES Control. Individually programmable control buttons and LED indicators guarantee remote display and operation adapted to the property-protection objective. Capacitive buttons allow for ergonomic operation and querying of system states. The plain text display of the system status via a graphics-capable, six-line display, with 20 characters per line.

Technical Data

Operating voltage
Current consumption @ 24 V DC
Color
Dimensions

10 ... 30 V DC
approx. 21 mA
gray, similar to RAL 7024
W: 263 mm H: 210 mm D: 61.5 mm

Features

- Connection to RS485 dual interface
- Capacitive control panel
- Optional for non-redundant or redundant connections
- Graphic display with 6 lines of 20 characters each
- Additional text is transferred from the FACP
- 4 buttons for operating the display (scroll up/down, slide right/left)
- 3 buttons for operating the buzzer: off, test, and history
- 1 button to confirm selection for special functions
- 4 LED common displays (operation, alarm, fault, shutdown)
- 6 programmable buttons for macro operation that control a configurable series of operating procedures, e.g. Detector Zone-1 to Detector Zone-10
- 5 programmable individual displays
- Acoustic signaling
- History function
- Direct connection to FACP via RS485 interface - max. 1 device
- Connection via ADP4000 - max. 16 devices

FX808464



Repeater panel GMT 4000 for FlexES Control, surface mounted

The repeater panel GMT 4000 is a parallel display and control unit for the FACP FlexES Control. Individually programmable control buttons and LED indicators guarantee remote display and operation adapted to the property-protection objective. Capacitive buttons allow for ergonomic operation and querying of system states. The plain text display of the system status via a graphics-capable, six-line display, with 20 characters per line.

Technical Data

| | |
|-------------------------------|------------------------------|
| Operating voltage | 10 ... 30 V DC |
| Current consumption @ 24 V DC | approx. 21 mA |
| Color | gray, similar to RAL 7024 |
| Dimensions | W: 230 mm H: 200 mm D: 60 mm |

Features

- Connection to RS485 dual interface
- Capacitive control panel
- Optional for non-redundant or redundant connections
- Graphic display with 6 lines of 20 characters each
- Additional text is transferred from the FACP
- 4 buttons for operating the display (scroll up/down, slide right/left)
- 3 buttons for operating the buzzer: off, test, and history
- 1 button to confirm selection for special functions
- 4 LED collective displays (operation, alarm, fault, shutdown)
- 6 programmable buttons for macro operation that control a configurable series of operating procedures. E.G. MG1 to MG50 on/off.
- 5 programmable individual displays
- acoustic signaling
- History function
- Direct connection to BMZ via RS485 interface - max. 1 device
- Connection via ADP4000 - max. 16 devices

Adapters

784716



ADP 4000 redundancy adapter

Adapter board for installation into the FAS provides the redundant port for the FAT 4000, ZPA4000, GMT4000 or FBF4000uC starting from the serial interface of the FACP FlexES Control. According to EN 54-2/DIN 14675, the interface of the FAS can be designed as a redundant transmission with this adapter, if the FAT 4000 fire brigade graphic annunciator is used for initial information for the fire brigade. If the FAT protocol of the FACP does not include the FBCP information, the ADP-FBF (784717) is additionally required. For installation in the parent and child FACP for networking (interconnection) of fire alarm old and new systems in accordance with DIN 14675 and VdS 2878. For connection of external systems according to DIN 14674 and VdS 3531 by ESPA 4.4.4 and espa-x protocol. Additional redundancy to compensate for the failure of software-controlled parts of the system according to EN 54-2 at more than 512 detectors. Supply voltage and the signal path of the ring are monitored for short circuits and open circuits according to EN 54-2 and for creeping short circuits and creeping open circuits in accordance with EN 54-13. Full functionality is guaranteed in case of malfunction or failure of a conduction path and it can be connected in a ring of up to 20 redundant FAT. There is an existing USB interface on board for troubleshooting, maintenance and commissioning. Using the "PROG4000" programming software enclosed with FAT 4000, it is possible to adjust the adapter to premise-specific conditions (master/slave operation).

Technical Data

| | |
|-----------------------------|-----------------------------|
| Operating voltage | 10 ... 42 V DC |
| Quiescent current @ 12 V DC | approx. 40 mA |
| Quiescent current @ 24 V DC | approx. 30 mA |
| Alarm current @ 12 V DC | approx. 45 mA |
| Ambient temperature | -5 °C ... 40 °C |
| Storage temperature | -10 °C ... 60 °C |
| Dimensions | W: 25 mm H: 115 mm D: 90 mm |

784717

Adapter module ADP-FBF



Snap-on adapter board for the expansion of the redundancy adapter ADP-N3E, ADP-N3S or ADP4000, in case the FBCP information is not part of the serial protocol of the FACP. Allows you to connect serial fire brigade control panels to FACP with parallel FBCP port (conversion of FACP 8000 and IQ8Control parallel information to serial).
Powered by redundancy adapter ADP-N3E, ADP-N3S or ADP4000.

Technical Data

| | |
|---------------------|----------------------------|
| Ambient temperature | -5 °C ... 40 °C |
| Storage temperature | -10 °C ... 60 °C |
| Dimensions | W: 44 mm H: 67 mm D: 28 mm |

784870

Module with RS232 interface



Features

- With galvanic isolation

Module with preset interface RS232.

Technical Data

| | |
|---------------------|----------------------------|
| Operating voltage | 3,3 V DC |
| Current consumption | 20 mA |
| Dimensions | W: 27 mm H: 53 mm D: 15 mm |

784871

Module with RS422/RS485 interface



Features

- With galvanic isolation

Module with selectable interface RS422 or RS485.

Technical Data

| | |
|---------------------|----------------------------|
| Operating voltage | 3,3 V DC |
| Current consumption | 35 mA |
| Dimensions | W: 27 mm H: 53 mm D: 15 mm |

784872

Module with interface M4-TTY



Module with preset interface M4-TTY.

Technical Data

| | |
|---------------------|----------------------------|
| Operating voltage | 3,3 V DC |
| Current consumption | 20 mA |
| Dimensions | W: 27 mm H: 53 mm D: 15 mm |

FX808080



Features

- Program and data storage in the server box on the property
- Server box power supply via the FACP, separate plug-in power supply or Power over Ethernet
- Activation via FBIP or ADP
- Visualization of FACP conditions via app and/or browser
- Graphic display of an FBIP surface
- FBOP display with FBOP functionality (selectable key function)
- Administration via browser by operator or maintenance firm (access rights etc.)
- Overview display of FACP no., detector zone, detectors
- Signal display by configurable code table (fire, malfunction, cutoff, technical alarms, etc.)
- Display of property-specific fire service route maps (PDF, JPG)
- Display of additional property information (Text, PDF, JPG)
- App download via Playstore (Android) or Appstore (iOS)
- Notification services (with use of the app), e.g. unlimited E-mail or Short Message Service (SMS depends on local provider). Furthermore you can create notification per zone.
- Notice of incoming and outgoing events in an independent event memory
- Connection to existing IP network cameras
- Review mode for maintenance support with date stamping, location control, maintenance instructions, document transfer, long-term memory, memo function, maintenance protocol report in accordance with DIN14675
- Property data available in offline mode
- Integrated property management

ESSER Remote Access - ERA for FlexES Control

The Web-based alarm management enables display of alarms from the FACP to mobile devices such as tablets, smartphones or PCs. Display of alarms, malfunctions, cutoffs and technical alarms in the form of texts and/or charts. The Apps are available for Android and iOS.

Take note, by default the application program provides only "indication" of the system, this is in most of the cases required. Default remote "operation" could be a risk with respect to cyber crime. An application software with the full remote "indication & operation" function is available on demand, and should be used only on secured sites (firewall, etc.). Please direct your inquiry for the full managed solution to our local sales representative.

System requirements:

- Serial interface of the FACP fire brigade peripherals
- Log contents (e.g. zone / detector, texts)
- Network access (LAN)
- Internet access (DSL) as needed
- Mobile access (GSM) as needed
- Mobile Service (closed user group) as needed
- Availability of the server box from the Internet when necessary

Optional:

- ADP4000 / FAT4000 as a gateway
- UMTS router

Technical Data

| | |
|-------------------------------|-----------------------------|
| Operating voltage | 24 ... 48 V DC |
| Current consumption @ 24 V DC | approx. 60 mA |
| Ambient temperature | 0 °C ... 65 °C |
| Storage temperature | -40 °C ... 85 °C |
| Installation | top hat rail mounting |
| Weight | approx. 140 g |
| Dimensions | W: 45 mm H: 75 mm D: 105 mm |

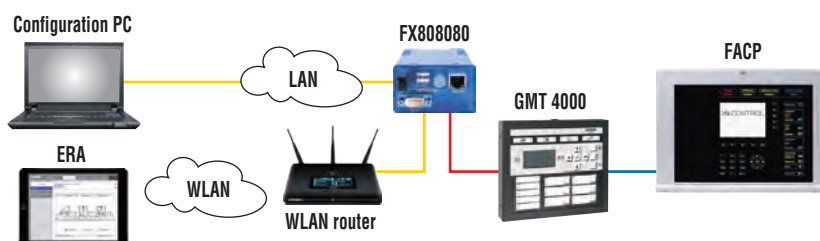
 For full functionality of the mobile service "Closed User Group" is necessary.

 Incl. Plug-in power supply unit 230 V AC, information sheet, USB flash drive with documentation and software

Accessories

FX808384/FX808385
FX808081

Control panels parallel display ZPA3000
Redundancy adapter ADP4000



FX808081



Adapter module ADP-4000 for ESSER Remote Access

Preconfigured adapter module for connecting the ERA webserver FX808080 to a FACP FlexES Control.

Technical Data

| | |
|-----------------------------|-----------------------------|
| Operating voltage | 10 ... 42 V DC |
| Quiescent current @ 12 V DC | approx. 40 mA |
| Quiescent current @ 24 V DC | approx. 30 mA |
| Alarm current @ 12 V DC | approx. 45 mA |
| Ambient temperature | -5 °C ... 40 °C |
| Storage temperature | -10 °C ... 60 °C |
| Dimensions | W: 25 mm H: 115 mm D: 90 mm |

FX808353



External printer MEFA RS422 for FlexES Control

Continuous printer as a parallel recording device on a FlexES Control fire alarm control panel. Power is supplied via an external power adapter or optionally from the FACP. The printer can be mounted as an external table printer or, depending on the wall-mounting bracket, on the wall, next to the FACP. The connection is made via the RS485 interface of the FlexES Control.

Technical Data

| | |
|-------------------------------|------------------------------|
| Rated voltage | 230 V AC |
| Rated frequency | 50 Hz ... 60 Hz |
| Operating voltage | 12 ... 30 V DC |
| Current consumption @ 24 V DC | approx. 900 mA |
| Weight | approx. 0.55 kg |
| Dimensions | W: 110 mm H: 85 mm D: 155 mm |

Accessories

FX808355 Thermal paper 57 mm x 30 m

FX808354



External printer MEFA TTY for FlexES Control

Continuous printer as a parallel recording device on a FlexES Control fire alarm control panel. Power is supplied via an external power adapter or optionally from the FACP. The printer can be mounted as an external table printer or, depending on the wall-mounting bracket, on the wall, next to the FACP. The connection is made via the TTY interface of the FlexES Control.

Technical Data

| | |
|-------------------------------|------------------------------|
| Rated voltage | 230 V AC |
| Rated frequency | 50 Hz ... 60 Hz |
| Operating voltage | 12 ... 30 V DC |
| Current consumption @ 24 V DC | approx. 900 mA |
| Weight | approx. 0.55 kg |
| Dimensions | W: 110 mm H: 85 mm D: 155 mm |

Accessories

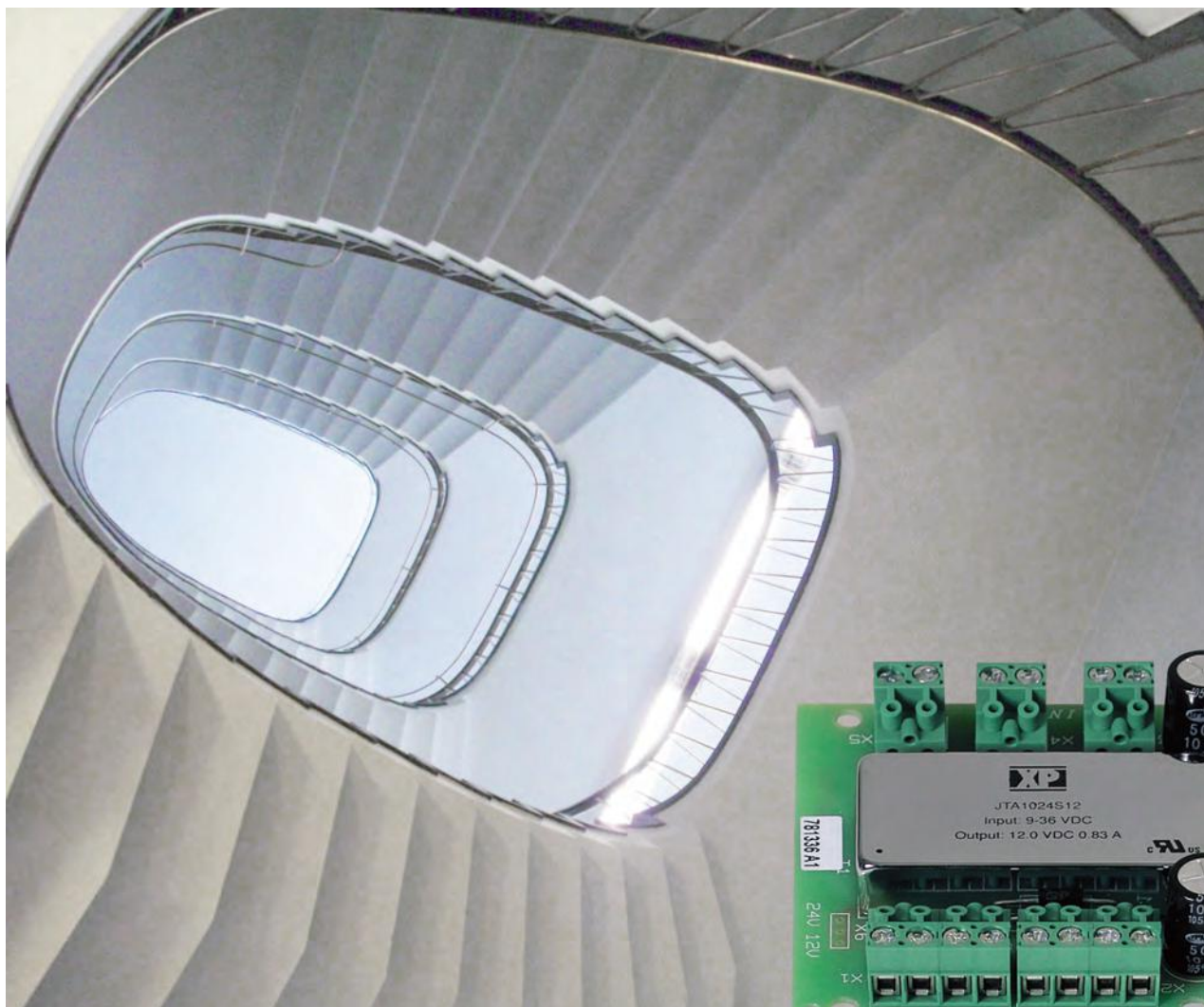
FX808355 Thermal paper 57 mm x 30 m

FX808355



Thermal paper 57 mm x 30 m

Thermal paper for the compact central printer Series MEFA.



Power Supplies

| | |
|--------------------------|-------|
| Power Supply Units | 82-83 |
| Voltage Converters | 84-85 |
| Batteries (Rechargeable) | 86 |
| Accessories | 87 |

805683



Features

- Reversible output voltage 12 V DC or 24 V DC
- Simple integration into esserbus/esserbus-PLus
- Internal service LED displays
- Four floating relay outputs
- Monitoring of mains voltage with selectable delay time
- Individual battery monitoring for emergency power operation
- Switchable ground fault monitoring
- Front door with cover contact
- in compliance with EN 54-4/A2
- for use in voice alarms to supply recessed components, such as at fiber optic recessed call stations

External power supply DCU 2403

Approval: VdS

External power supply in a compact metal housing for up to two 12 V / 24 Ah batteries. This power supply facilitates an uninterruptable supply of power. Integration into the esserbus/esserbus-PLus optional via optional adapter card (Part No. 805684.10) and esserbus Transponder (Part No. 808623). Four floating relay outputs are available for the transmission of disturbances (power failure, ground fault, battery failure and collective fault). External LED display for operation and collective fault on the lockable front door, internal LEDs for detailed recognition of emergency power operation, individual monitoring of battery failure and ground fault.

Technical Data

| | |
|----------------------------|---|
| Rated voltage | 230 V AC |
| Rated frequency | 50 Hz ... 60 Hz |
| Output voltage | 12 V DC / 24 V DC; $\pm 1\%$ (temperature controlled) |
| Battery capacity | max. 48 Ah @ 12 V DC / max. 24 Ah @ 24 V DC |
| Contact load relay | max. 125 V / 1,5 A / 60 VA |
| Ambient temperature | -5 °C ... 40 °C |
| Storage temperature | -20 °C ... 45 °C |
| Air humidity | < 95 % |
| Housing | sheet steel |
| Color | gray, similar to RAL 7035 |
| Weight | approx. 23 kg incl. batteries each 12 V DC / 24 Ah |
| Dimensions | W: 310 mm H: 410 mm D: 211 mm |
| Declaration of Performance | DoP-20960130701 |



Batteries used in the power supply must be tested and VdS approved. Batteries of the same age from the same manufacturer coming from the same production batch must be used when connecting batteries in parallel.



Pre-installed connector cable for 12 V / 24 Ah SB-type battery (Part No. 018006)

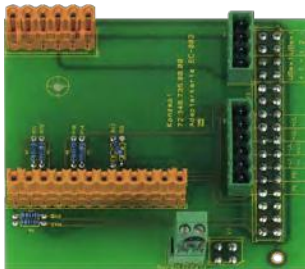
Housing lock with key

Device accessory kit contains: dummy cover, jumper bar for standby terminal, device fuses, jumper for setup of output voltage

Accessories

| | |
|-----------|----------------------------|
| 805684.10 | Adapter card for DCU 2402 |
| 808623 | esserbus alarm transponder |

805684.10



Features

- Tool-free mounting of the adapter card and esserbus couplers on the external power supply DCU 2403
- Automatic presetting of the coupler inputs for transmission of disturbances to the FACP

Adapter for DCU 2403

Plug-in adapter card for the external power supply unit (Part No. 805683) for integration into the esserbus/esserbus-PLus.

The adapter card is used to house an esserbus alarm transponder (Part No. 808623).

When the esserbus transponder is plugged into the adapter card, the detector zones are automatically pre-assigned for fault signaling.

The relay outputs are freely available and can either be monitored or used for standard-compliant control of conventional alarm devices.

805685

NEW



Energy box 2401

Power distributor for the power supply of individual alarm and signaling areas. Two batteries up to max. 2.1 Ah and an optional Alarm Transponder (Part.No. 808623) can be accommodated in the housing. The optional Alarm Transponder can be plugged directly into the adapter board and the detector groups can be used for fault monitoring. The Alarm Transponder reports faults in the mains or battery supply via the esserbus to the fire alarm control panel. The power box energy can be switched directly to conventional alarm devices via the two relays of the Alarm Transponder, monitored to EN 54-13.

Technical Data

| | |
|---------------------|--|
| Rated voltage | 230 V AC |
| Rated frequency | 47 Hz ... 63 Hz |
| Rated current | 0.4 A |
| Output voltage | 27 V DC |
| Output current | max. 1.4 A |
| Ambient temperature | -5 °C ... 40 °C |
| Storage temperature | -20 °C ... 45 °C |
| Air humidity | < 95 % |
| Weight | approx. 3 kg incl. 2 batteries each 12 V DC/2,1 Ah |
| Dimensions | W: 205 mm H: 218 mm D: 88 mm |



Energy box 2401 including 2 accumulators 12 V / 2.1 Ah

Accessories

805686

Adapter for DCU

805686

NEW



Adapter for DCU

Plug-in board for Energy box (Part No. 805685) for conventional forwarding of messages "Line fault" and "battery fault" (for example to a FACP via a conventional group or via the detector groups of an Alarm Transponder).

F-PSU-2405



Features

- Two potential-free relay outputs
- Single monitoring of the batteries for emergency power supply
- Compliant with EN 54-4 (A2)

External power supply unit of Series FFAST

Approval: VdS

External power supply in a compact metal housing for holding up to two 12 V / 17 Ah batteries for use in fire and voice alarm systems. Up to two 12 V / 38 Ah can be connected and charged via the supplied battery housing. The power supply allows an uninterruptible power supply. Two potential-free relay outputs are available for the transmission of faults (common fault, battery fault). External LED display for operation and common fault on the front door.

Technical Data

| | |
|---------------------|---|
| Ambient temperature | -10 °C ... 40 °C |
| Storage temperature | -20 °C ... 80 °C |
| Air humidity | < 95 % |
| Housing | sheet steel |
| Color | black, similar to RAL 7021 |
| Weight | approx. 6.2 kg (without batteries) |
| Dimensions | W: 420 mm H: 420 mm D: 180 mm (add. housing for battery) W: 400 mm H: 420 mm D: 80 mm (power supply) |



The batteries used must be tested and approved by the VdS. It is allowed at parallel connection of rechargeable batteries only same type of rechargeable batteries of the same age and from the same production series can be used.



Power pack with additional battery housing and 3 m thermistor battery connection cable

781335

DC/DC converter 12 V/24 V DC



Features

- Each output is separately fused

Approval: VdS

This converter generates 24 V as power supply for special detectors. The input voltage of 12 V is taken from the FACP or an external 12 V power supply. Mounted inside the FACP (mounting kit Part No. 788605), this module can supply up to 4 special detectors with a maximum current of 125 mA each or 1 special detector with 500 mA. This module can be integrated in cabinets (Part No. 120240, 788600 and 788601). Please pay attention to the primary current consumption (12 V) in case of mains failure.

Technical Data

| | |
|----------------------------|----------------------------|
| Operating voltage | 9 ... 15 V DC |
| Output voltage | 24 V DC $\pm 10\%$ |
| Output current | max. 500 mA (4 x 125 mA) |
| Ambient temperature | -10 °C ... 50 °C |
| Storage temperature | -15 °C ... 55 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 (housing) |
| Weight | approx. 150 g |
| Dimensions | W: 65 mm H: 72 mm D: 20 mm |
| Declaration of Performance | DoP-20616130701 |

781336

DC/DC converter output voltage 12 V DC



Features

- Galvanic isolation of DC voltage potentials
- Voltage interface, for instance for 12 V DC operation of couplers in an 8010 Series 3 extinguishing system.
- Connecting terminals up to 1.5 mm²
- short-circuit proof

Approval: VdS

The converter provides a galvanically isolated 12 V power supply for a detector for special applications. The input voltage is 12 V, and it is supplied from the fire alarm control panel or from an external PSU. The module can be integrated into the 120240, 788600, 788601, 788603.10, 788650.10, or 788651.10 enclosures.

When planning the project, please pay attention to primary (12 V) current drain in case of a mains failure.

Technical Data

| | |
|----------------------------|----------------------------|
| Operating voltage | 10 ... 28 V DC |
| Output voltage | 12 V DC $\pm 10\%$ |
| Output current | max. 800 mA |
| Ambient temperature | -10 °C ... 50 °C |
| Storage temperature | -15 °C ... 55 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 (housing) |
| Weight | approx. 70 g |
| Dimensions | W: 65 mm H: 72 mm D: 20 mm |
| Declaration of Performance | DoP-20617130701 |



The module can also be used in explosion endangered zones for the galvanic separation of the esserbus voltage supply.

781337

DC/DC converter output voltage 24 V DC



Features

- Direct current potentials are electrically isolated
- Suitable for max 1.5 mm² connection terminals
- Short circuit resilient

Approval: VdS

This converter generates 24 V as power supply for one special detector. The input voltage of 12 V is taken from the FACP or an external power supply. This module can be integrated in cabinets (Part No. 120240, 788600, 788601 and 788603.10). Please pay attention to the primary current consumption (12 V) in case of mains failure.

Technical Data

| | |
|----------------------------|----------------------------|
| Operating voltage | 10 ... 28 V DC |
| Output voltage | 24 V DC $\pm 10\%$ |
| Output current | max. 400 mA |
| Ambient temperature | -10 °C ... 50 °C |
| Storage temperature | -15 °C ... 55 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 (housing) |
| Weight | approx. 70 g |
| Dimensions | W: 65 mm H: 72 mm D: 20 mm |
| Declaration of Performance | DoP-20617130701 |

764856



Features

- Galvanic isolation TTY input / RS 232 output

Converter RS232/TTY

The converter enables the galvanic isolation of the interfaces between the fire alarm control panel (FACP) and an external device.
The converter can be installed in the IQ8Control FACP at the mounting point of an esserbus transponder (small model) or in a suitable housing on a hat rail or on a C-section rail. Another option is to install it on the PSM's mounting plate (Part No. FX808333) in the FlexES Control FACP, for example.

| Technical Data | |
|---------------------|----------------------------|
| Operating voltage | 9 ... 30 V DC |
| Ambient temperature | -10 °C ... 50 °C |
| Type of protection | IP 40 (With housing) |
| Weight | approx. 20 g |
| Dimensions | W: 65 mm H: 72 mm D: 20 mm |



The listed lead storage battery are maintenance-free, sealed electrolyte batteries. They are relatively position-independent (should not be charged upside-down), deep-cycled, cycle-resistant and long-lasting (4 to 5 years). Charge voltage at an ambient temperature of +20°C: 12 V DC (6 x 2.3 V per cell) 13.8 volts, this can be subject to tolerances. Technical data sheets are available on demand.



The batteries comply with the VDE 0833-1 regulations for hazard alarm systems and are VdS approved.

Please see our website for latest edition of the safety data sheet.

Due to its nature, this article can pose hazards to man and the environment. Please clarify in advance with your forwarding agent if he accepts the transport of dangerous goods and if necessary observe the import regulations. The dangerous goods class for road transport or air transport is as follows:

UN-No. UN2800

ADR-Class 8

018001

Battery 12 V DC/1.2 Ah capacity

018002

Battery 12 V DC/2.1 Ah capacity



84 days

018004

Battery 12 V DC/7 Ah capacity



84 days

018011

Battery 12 V DC/12 Ah capacity



2 x Fast-on adapters from 6.3 mm to 4.3 mm

018006

Battery 12 V DC / 24 Ah capacity



2x Fast-On Adapter from M6 by 6.3mm each 2x M5 hex bolt/washers and snap ring



84 days

018007

Battery 12 V DC/17 Ah capacity



2 x Fast-on adapters from M6 to 6.3mm each 2 x M5 hexagon head cap screws, washers and snap rings.



84 days

018009

Battery 12 V DC/38 Ah capacity



2 x Fast-on adapters from M6 to 6.3mm each 2 x M6 hexagon head cap screws, 4 x washers and snap rings.



84 days

785753

**Battery kit**

Terminals for the connection of batteries with a minimum capacity of 12 Ah.

805597

**3.6 V Lithium battery**

4 Lithium batteries for use in wireless detector base (Part No. 805593.10), wireless gateway for detectors (Part No. 805594.10) and wireless universal interface (Part No. 805601.10/805602.10).



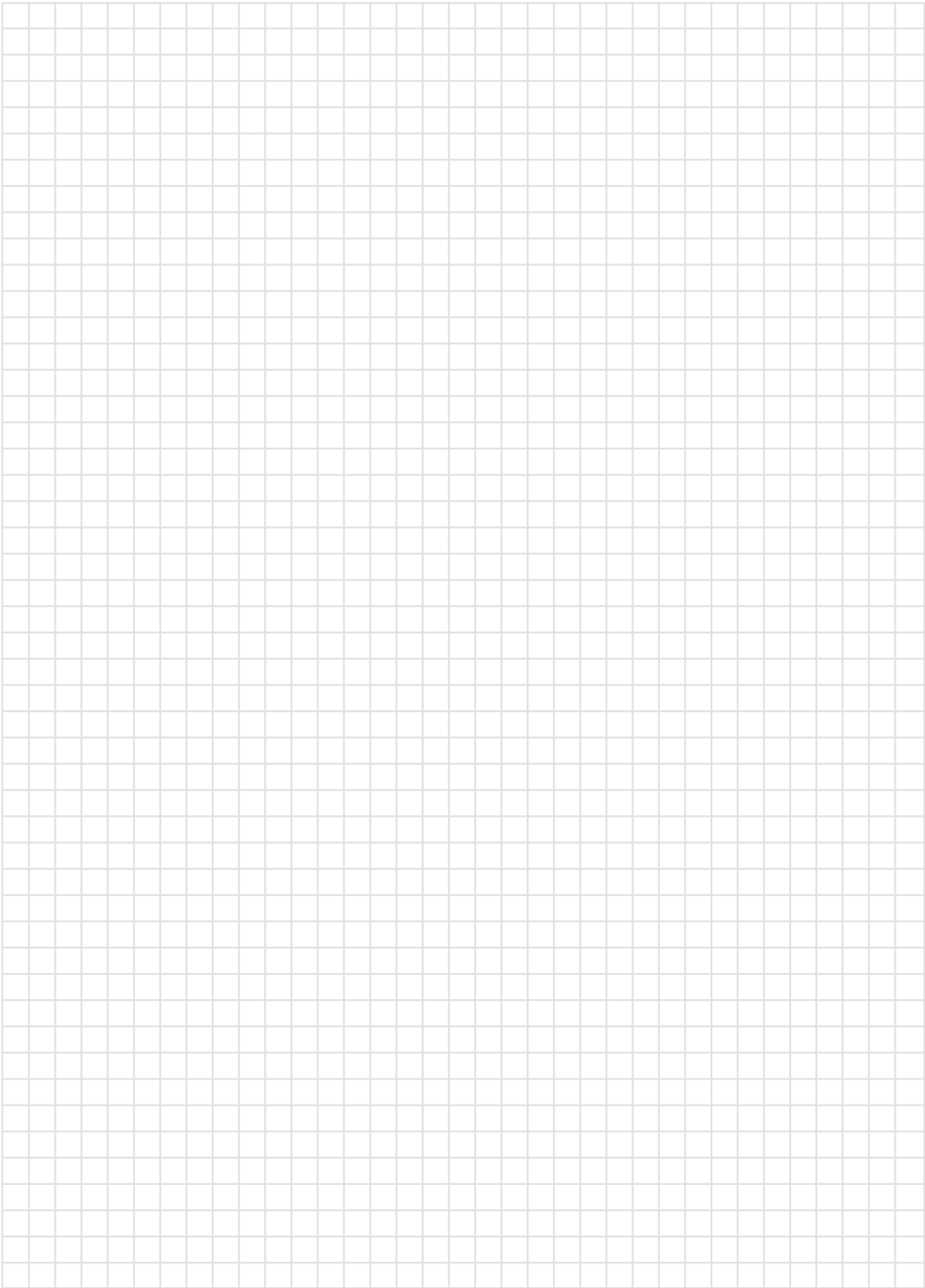
Due to its nature, this article contains components classified as dangerous goods. Please clarify in advance with your forwarding agent if he accepts the transport of dangerous goods and if necessary observe the import regulations. The dangerous goods class for road transport or air transport is as follows:

UN-No. UN3090

ADR-Class 9



4 pcs





Network

essernet
Multiprotocol Gateway

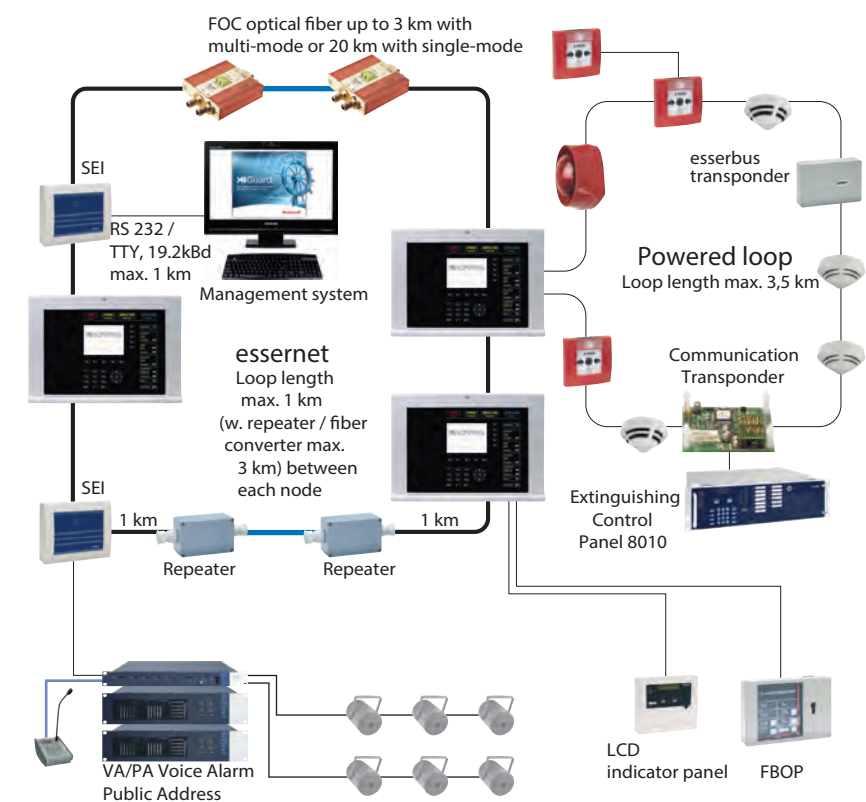
90-97
98-99

The essernet is a short circuit and open circuit resistant 2-wire backbone for networking fire detection from the ESSER product range. The essernet permits both hierarchy-restricted and hierarchy-free programming of panels. The essernet has been tested and approved by the VdS. The hardware components are listed in the respective equipment approvals of the fire detection panels.

Up to 31 panels can be networked with each other in a ring loop. Superior functions and functions covering different panels can be programmed. The status of the entire system can be read off on anything from one to all panels as desired. Likewise, the system can be operated entirely from one panel.

Mixed wiring support on one network module includes Ethernet, fiber optic or two-conductor wire for more flexibility in system design. For instance networking can be carried out via a simple telecommunication cable, e.g. IY-ST-Y 2 x 0.8 mm, with corresponding essernet module 62.5 kBd Part No. 784840.10 or using a data cable, e.g. IBM type 1 as well as CAT5 cable, with corresponding essernet module 500 kBd Part No. 784841.10 With the essernet repeaters, cable distances of up to 3000 m between two panels are possible. An optical fiber is possible with the converters, which are listed below.

Third-party or management systems (e.g. WINMAGplus, FlexES Guard) can be connected via the serial essernet interface (SEI).



Application example

784840.10



essernet module, 62.5 kBd for IQ8Control

Network interface module for max. 16 network participants. Transmission via Token-Passing protocol, similar to DIN 19245-1 (Profibus) loop technology, interruption and short-circuit tolerance.

Technical Data

Quiescent current @ 12 V DC
Cable length
Cable

approx. 150 mA
1000 m
telecommunications cable I Y (St) Y n x 2 x 0.8 mm

784841.10



essernet module, 500 kBd for IQ8Control

Network interface module such as essernet module Part No. 784840.10, however for max. 31 network participants.

Technical Data

Quiescent current @ 12 V DC
Cable length
Cable

approx. 150 mA
1000 m
IBM Typ1, Typ1A, Typ2, Typ2A, Typ6, CAT 5, CAT6, CAT7 or similar

FX808340

Network card essernet module 62.5 kBd for FlexES Control

**Approval: VdS, FM**

Network module for up to 16 network devices. Plastic protective housing with LED displays for speedy indication of the operating status.

The transmission is via Token-Passing protocol, similar to DIN 19245-1 (Profibus) with loop topology, interruption and short-circuit tolerance. Modules are locked mechanically without screws in the slots, just quick & easy. Hot plugging and automatic recognition of modules just by Plug & Play, makes start-up and maintenance easy to handle.

Technical Data

| | |
|-------------------|--|
| Operating voltage | 24 V DC |
| Quiescent current | approx. 37 mA |
| Weight | approx. 100 g |
| Cable length | 1000 m |
| Cable | telecommunications cable I Y (St) Y n x 2 x 0.8mm or similar |
| Dimensions | W: 27 mm H: 93 mm D: 112 mm |

FX808341

Network card essernet module 500 kBd for FlexES Control

**Approval: VdS, FM**

Network module for up to 31 network devices. Plastic protective housing with LED displays for quick summary of the operating status.

The transmission is via Token-Passing protocol, similar to DIN 19245-1 (Profibus) with loop topology, interruption and short-circuit tolerance. Modules are locked mechanically without screws in the slots, just quick & easy. Hot plugging and automatic recognition of modules just by Plug & Play, makes start-up and maintenance easy to handle.

Technical Data

| | |
|-------------------|---|
| Operating voltage | 24 V DC |
| Quiescent current | approx. 37 mA |
| Weight | approx. 100 g |
| Cable length | 1000 m |
| Cable | IBM Typ1, Typ1A, Typ2, Typ2A, Typ6, CAT5, CAT6, CAT7 or similar |
| Dimensions | W: 27 mm H: 93 mm D: 112 mm |

784844.10

essernet redundant switch for IQ8Control

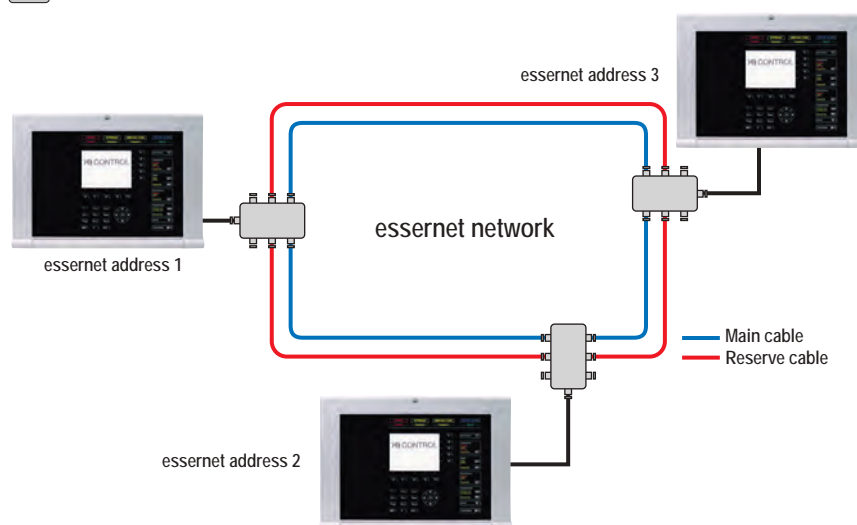
The essernet changeover switch allows the uninterruptable double-redundant changeover between trunk and spare line, if the essernet data line is disturbed. The switch is powered through the fire alarm control panel. Maximum distance between each switch 1,000 m.

Technical Data

| | |
|-------------------------------|-----------------------------|
| Operating voltage | 8 ... 14 V DC |
| Current consumption @ 12 V DC | approx. 60 mA |
| Contact load | 30 V DC / 2 A |
| Ambient temperature | -10 °C ... 70 °C |
| Storage temperature | -20 °C ... 80 °C |
| Air humidity | < 95 % |
| Type of protection | IP 65 |
| Housing | die-cast aluminium |
| Color | gray |
| Weight | approx. 730 g |
| Dimensions | W: 175 mm H: 80 mm D: 60 mm |

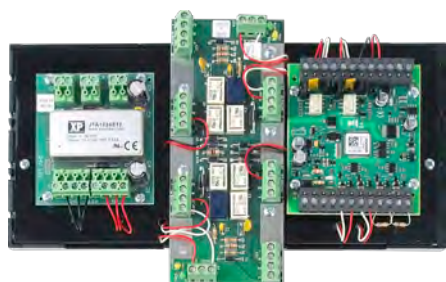


7 days



Application example

FX784844

essernet Switch for FlexES Control**NEW**

Same as 784844.10, but for System FlexES Control. essernet switch with integrated esserbus transponder and voltage converter. The switch is powered from the fire alarm control panel.

Technical Data

| | |
|-------------------------------|------------------------------|
| Operating voltage | 8 ... 28 V DC |
| Current consumption @ 24 V DC | approx. 30 mA |
| Contact load | 30 V DC / 2 A |
| Ambient temperature | -10 °C ... 70 °C |
| Storage temperature | -20 °C ... 80 °C |
| Air humidity | < 95 % |
| Type of protection | IP 20 |
| Housing | plastic |
| Color | black |
| Weight | approx. 415 g |
| Dimensions | W: 150 mm H: 245 mm D: 45 mm |

784865

essernet repeater, 62.5 kBd**Approval: VdS**

The essernet repeater increases the maximum distance between two FACP in the essernet by up to 1000 m. Standard telephone cables can be used as connection leads. Two repeaters can be operated in line.

Technical Data

| | |
|-------------------------------|---|
| Operating voltage | 8 ... 18 V DC |
| Current consumption @ 12 V DC | approx. 100 mA |
| Ambient temperature | -10 °C ... 70 °C |
| Storage temperature | -20 °C ... 80 °C |
| Air humidity | < 95 % |
| Type of protection | IP 65 |
| Housing | die-cast aluminum |
| Color | gray |
| Weight | approx. 520 g |
| Cable | telecommunications cable IY(St)Y n x 2 x 0.8 mm |
| Dimensions | W: 125 mm H: 60 mm D: 80 mm |
| Declaration of Performance | DoP-20619130701 |



The corresponding essernet Module Part No. 784840.10 must be ordered separately.

784843

essernet repeater, 500 kBd**Approval: VdS**

Same as 784865, but with 500 kBd baud rate. IBM type 1, type 2 or type 6 cables can be used as connection leads.

Technical Data

| | |
|-------------------------------|-----------------------------|
| Operating voltage | 8 ... 18 V DC |
| Current consumption @ 12 V DC | approx. 100 mA |
| Ambient temperature | -10 °C ... 70 °C |
| Storage temperature | -20 °C ... 80 °C |
| Air humidity | < 95 % |
| Type of protection | IP 65 |
| Housing | die-cast aluminum |
| Color | gray |
| Weight | approx. 520 g |
| Cable | IBM-Typ 1, -Typ 2 or -Typ 6 |
| Dimensions | W: 125 mm H: 60 mm D: 80 mm |
| Declaration of Performance | DoP-20619130701 |



The corresponding Part No. 784841.10 essernet module must be ordered separately.

784769

Singlemode FO converter ST**Features**

- Two single-mode fibers are required per network section
- The fibers must be connected directly without interruption (e.g. no connection via multiplexers permitted)
- Fiber type E9/125 µm; max. permitted attenuation of 17 dB corresponds to a length of approx. 30 km or
- Fiber type E10/125 µm; max. permitted attenuation of 17 dB corresponds to a length of approx. 30 km
- Up to 16 FOC connections per essernet network at a transfer rate of 62.5 kBd
- Up to 31 FOC connections per essernet network at a transfer rate of 500 kBd with LWL-converter possible

For networking of fire alarm control panels via fiber optic cable, one essernet module and at least one fiber optic converter is required per FACP. The fiber optic converter must be mounted directly in the housing or in a built-in cabinet of the FACP. For this purpose, it is mounted directly on a DIN rail, without any further fastening material.

Technical Data

| | |
|-------------------------------|---|
| Operating voltage | 9,5 ... 48 V DC |
| Current consumption @ 12 V DC | approx. 140 mA |
| Current consumption @ 24 V DC | approx. 75 mA |
| Ambient temperature | -10 °C ... 60 °C |
| Storage temperature | -20 °C ... 75 °C |
| Wavelength | 1310 nm |
| Connection | ST |
| Type of protection | IP 20 |
| Housing | Aluminium unpainted |
| Weight | approx. 320 g |
| Dimensions | W: 67 mm H: 100 mm D: 22 mm W: 90 mm H: 100 mm D: 22 mm (incl. mounting eye) |



Prefabricated connection cable 1.8 m (connection essernet module - FACP).

Accessories

788602 Top hat rail

784768

NEW

Features

- Two multimode fibers required per network section
- Glass fibre G50 / 125 µm: attenuation max. 10 dB, distance up to 4000 m
- Glass fibre G62.5 / 125 µm: attenuation max. 10 dB, distance up to 4000 m

Multimode FO converter ST

Depending on the fiber used, distances of up to 4 km are possible. Suitable for multimode fibres G50/125 µm and G62,5/125 µm.

Technical Data

| | |
|-------------------------------|---|
| Operating voltage | 9.5 ... 48 V DC |
| Current consumption @ 12 V DC | approx. 140 mA |
| Current consumption @ 24 V DC | approx. 75 mA |
| Ambient temperature | -10 °C ... 60 °C |
| Storage temperature | -20 °C ... 75 °C |
| Wavelength | 850 nm |
| Connection | ST |
| Type of protection | IP 20 |
| Housing | Aluminium unpainted |
| Weight | approx. 320 g |
| Dimensions | W: 67 mm H: 100 mm D: 22 mm W: 90 mm H: 100 mm D: 22 mm (incl. mounting eye) |



The power supply of the fibre optic converter must be provided by the FACP. On both sides of a fibre optic line, fibre optic converters of the same type must always be used.



- 1x FO converter 784768 incl.
- 1x DIN rail mounting kit
- 1x connecting cable max. 1,8 m converter - essernet®-module

784855



Features

- Serial data rate 19.2 kBd
- RS 485 interface on-board for a max. length of 1 km

SEI serial essernet interface EDP, unidirectional

The serial essernet interface can be used as a gateway to link remote computers that support the ESSER data protocol (EDP). The EDP version (unidirectional) is only provided with information from the essernet, remote control is not possible. The unit includes a slot for an essernet module and is therefore a fully functional unit within the short circuit and open circuit resistant essernet.

Technical Data

| | |
|-------------------------------|------------------|
| Operating voltage | 10.5 ... 28 V DC |
| Current consumption @ 12 V DC | approx. 60 mA |
| Ambient temperature | -5 °C ... 50 °C |
| Storage temperature | -10 °C ... 50 °C |
| Air humidity | < 95 % |



The essernet micromodule and the interface module either RS 232 (Part No. 772386) or TTY (Part No. 772387) are not included and must be ordered separately in accordance with the required essernet type and the serial transmission standard.

The optional interface module must be ordered separately and is a supplement to the serial essernet interface. It is plugged into the connectors provided on the main PCB. Depending on the required application, a TTY / CL 20 mA (Part No. 772387) or a RS232 / V.24 (Part No. 772386) interface module may be installed on the serial essernet interface.

Accessories

| | |
|-----------|---------------------------------|
| 788606 | Housing kit |
| 772386 | Interface-module RS 232/V 24 |
| 772387 | Interface-module TTY/CL 20 mA |
| 784840.10 | essernet micromodule (62.5 kBd) |
| 784841.10 | essernet micromodule (500 kBd) |

784856

SEI serial essernet interface EDP, bidirectional



Same as 784855, but bidirectional with remote control options e.g. for the connection to a Building Management System (BMS)

Technical Data

| | |
|-------------------------------|------------------|
| Operating voltage | 10.5 ... 28 V DC |
| Current consumption @ 12 V DC | approx. 60 mA |
| Ambient temperature | -5 °C ... 50 °C |
| Storage temperature | -10 °C ... 50 °C |
| Air humidity | < 95 % |



The essernet micromodule and the interface module either RS 232 (Part No. 772386) or TTY (Part No. 772387) are not included and must be ordered separately in accordance with the required essernet type and the serial transmission standard. The optional interface module must be ordered separately and is a supplement to the serial essernet interface. It is plugged into the connectors provided on the main PCB. Depending on the required application, a TTY /CL 20 mA (Part No. 772387) or a RS232 / V.24 (Part No. 772386) interface module may be installed on the serial essernet interface.

When using virtual control groups (PA/VA), a hardware output shall be provided on the FACP side per virtual control group, e.g. through the output of an esserbus coupler. To avoid any kind of problem, please contact the International Sales Support for advice before quoting or installing the serial essernet interface!

Accessories

| | |
|-----------|---------------------------------|
| 788606 | Housing kit |
| 772386 | Interface module RS 232/24 V |
| 772387 | Interface module TTY/CL 20 mA |
| 784840.10 | essernet micromodule (62.5 kBd) |
| 784841.10 | essernet micromodule (500 kBd) |

583386.21

Adapter TWI-RS232

**Part of EN 54-16 approval**

The TWI-RS232 adaptor serves for implementing of the TWI bus on RS232. Use for special servicing and connecting an external system (e.g., a FACP IQ8Control or FlexES Control).

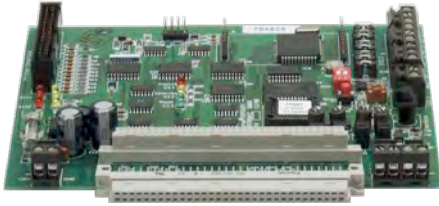
The TWI-RS232 adapter is connected directly to the DOM. The VARIODYN D1 system can be controlled by the fire alarm control panel via this connection.

Faults in the VARIODYN D1 system are reported to the fire alarm control panel and can also be reset via the external operating panels. The connection between the two systems is constantly monitored for short-circuit and interruption. The system time and the date of both systems are synchronized automatically (received from FAS -> DOM or DOM -> FAS - depending on selection).

Technical Data

| | |
|----------------------------|----------------------------|
| Color | black |
| Weight | approx. 45 g |
| Dimensions | W: 33 mm H: 16 mm L: 65 mm |
| Declaration of Performance | DoP-20997130701 |

784859



Features

- RS 485 interface on board for a max. length of 1,000 m

8000 FACP remote SEI serial essernet interface

The serial essernet interface is a router with internal RS 485 interface for interfacing an 8000 fire alarm panel over relatively large distances e.g. subnetworks. Information from the connected fire alarm panel is received via a router/router link and made available in the host essernet. The first SEI is connected as Master and the second SEI as Slave. It has a slot for an essernet loop module and is thus an integral device in the short circuit and open circuit resistant essernet. For remote function, you can use the integrated RS 485 interface.



The essernet micromodule and the interface module either RS 232 (Part No. 772386) or TTY (Part No. 772387) are not included and must be ordered separately in accordance with the required essernet type and the serial transmission standard. The optional interface module must be ordered separately and is a supplement to the serial essernet interface. It is plugged into the connectors provided on the main PCB. Depending on the required application, a TTY /CL 20 mA (Part No. 772387) or a RS232 / V.24 (Part No. 772386) interface module may be installed on the serial essernet interface.



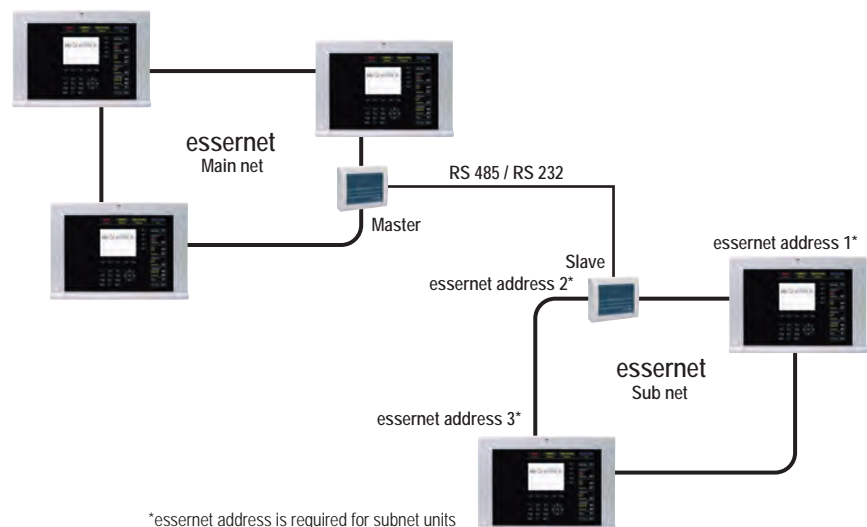
770432 SEI setup



7 days

Accessories

| | |
|-----------|---------------------------------|
| 788606 | Housing kit |
| 772386 | Interface-module RS 232/V 24 |
| 772387 | Interface-module TTY/CL 20 mA |
| 784840.10 | essernet micromodule (62.5 kBd) |
| 784841.10 | essernet micromodule (500 kBd) |



Application example

Accessories

788606



Housing for SEI

Housing for the serial essernet interface (SEI).

Technical Data

Housing
Color
Dimensions

ABS plastic
white similar to RAL 9003, front blue similar to RAL 5003
W: 270 mm H: 221 mm D: 71 mm

772386



Interface module RS232 / 24 V

For the serial essernet interface for a length up to 15 m.

772387

Interface module TTY/CL 20 mA



For the serial essernet interface for a length up to 1,000 m.

013405.20

TCP/IP converter, Ethernet RS232 / RS485



Features

- Transmission with RS 232 max. length 15 m and with RS485 max. length 1,000 m
- Serial interface: RS232, RS422 or RS485 (2- and 4-wire), configurable via software
- Transmission speed: 300 baud to max. 230 kBaud configurable via software
- Serial connection: D-Sub 25, socket
- Ethernet interface: 10Base-T/100Base-TX
- Transmission speed: 10/100/auto Mbit, configurable via software
- Mode of transmission: half- /full-duplex or automatic, configurable via software
- Network access: RJ 45
- Supported protocol: ARP, UDP, TCP, ICMP, Telnet, TFTP, AutoIP, DHCP, HTTP, SNMP, TCP, UDP and Telnet, TFTP

Technical Data

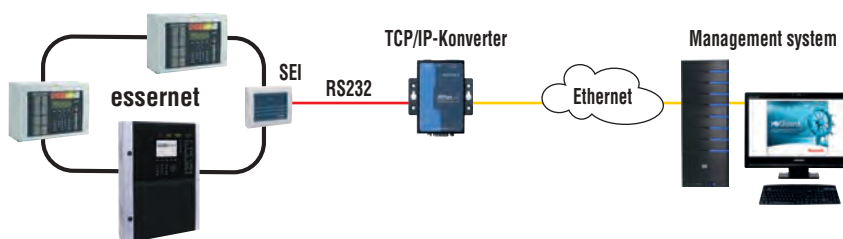
| | |
|---------------------|--|
| Operating voltage | 12 ... 48 V DC |
| Power consumption | 1,5 W |
| Ambient temperature | 0 °C ... 55 °C |
| Storage temperature | -20 °C ... 75 °C |
| Air humidity | < 95 % |
| Housing | metal |
| Weight | approx. 340 g |
| Dimensions | W: 52 mm H: 80 mm D: 22 mm (housing) W: 75.2 mm H: 80 mm D: 22 mm (with tabs) |



System requirements for operation and software configuration:

Windows® 2000/XP

Bidirectional or unidirectional data transfer depends on the SEI used, thus serial essernet interface EDP unidirectional Part No. 784855 or bidirectional Part No. 784856. Up to 10 TCP/IP converters can be connected per PC (Personal Computer) / Workstation more than 10 converters needs a project related approval from the Technical Solution Center in Neuss-Germany.





Gateway for protocol conversion of the essernet data protocol into different standard software protocols.

The multiprotocol gateways are a group of devices which have been specially optimized for the conversion of the essernet data protocol just into standard software protocols. The focus here is especially on communication with higher-priority building services management systems as well as with devices by other manufacturers. Device configuration is carried out based on one text file per protocol driver as well as one other text file which sets the connections between essernet object statuses to those of another protocol. This is advantageous as it allows for easy revision with small changes, especially when the naming conventions are adhered to in the target protocol. The basic configuration is created under specification of the target protocol by conversion of project data export of the programming software 'tools 8000' which results in a format that can be loaded by the gateway. The gateway is equipped with an access-restricted web user-interface with independent user management. This facilitates the upload of project data, remote diagnostics, status query of all data points and, if the corresponding ESSER modules used, switching via the gateway without additional software. Hardware with different performance levels is available for varying project requirements. Thus it is possible to choose the most cost-effective model according to the type of target protocol and number of connections required from the essernet data protocol into the selected target protocol.

Service for installers:

Different gateway services are available. These services cover everything from calculating data points to selecting suitable hardware, from creating loadable project planning for the gateways to designing project-specific macros, as well as on-site start-up commissioning support done by our contractor MBS in Krefeld. For further support of existing gateways, training can be offered by the manufacturer as well. This allows maintenance or expansion/reprogramming in the object by trained personnel, for example, if a system has been extended and the resulting new data points are to be transmitted to the target protocol.

Different gateway models currently available:

ESSER Data Protocol (EDP) to:

BACnet Client or Server

OPC Server

MODBUS IP

EIB/Instabus

LONTalk

PROFIBUS-DP

Please purchase all gateway models as well as commissioning and other services from the manufacturer MBS GmbH in Germany:

MBS GmbH

Roemerstrasse 15

D-47809 Krefeld/Germany

Tel. +49 2151 7294-0

Fax +49 2151 7294-50

info@mbs-software.de

<http://www.mbs-software.de/en/>

Please take note: For usage of the Esser-Data-Protocol (EDP) a project-specific approval by Novar GmbH is required.

i If a gateway is used for the EDP connection over an OPC server, the OPC-DCOM communication for the server component requires a networked PC with Windows XP or higher. This OPC server component is included in this gateway model. Additional hardware for the connection of the standard software protocol, as specified in the order, is included in the delivery of the respective gateway variant. Take note, this item is a non-cancelable / non-returnable (NCNR) product!

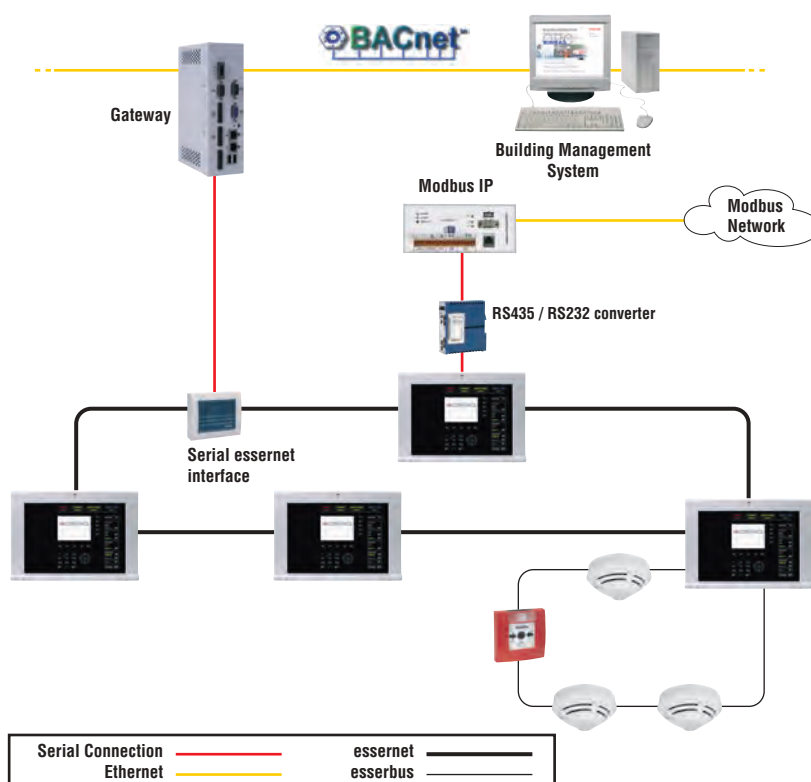
To calculate the quantity of data points, you have to consider that each sensor status is one data point, e.g.

- Detector 1 zone 1 fire = 1 data point
- Detector 1 zone 1 switch off = 1 data point
- Detector 1 zone 1 fault = 1 data point
- Detector 1 zone 1 technical alarm = 1 data point
- Detector 1 zone 1 pre alarm = 1 data point
- Detector 1 zone 1 control function = 1 data point

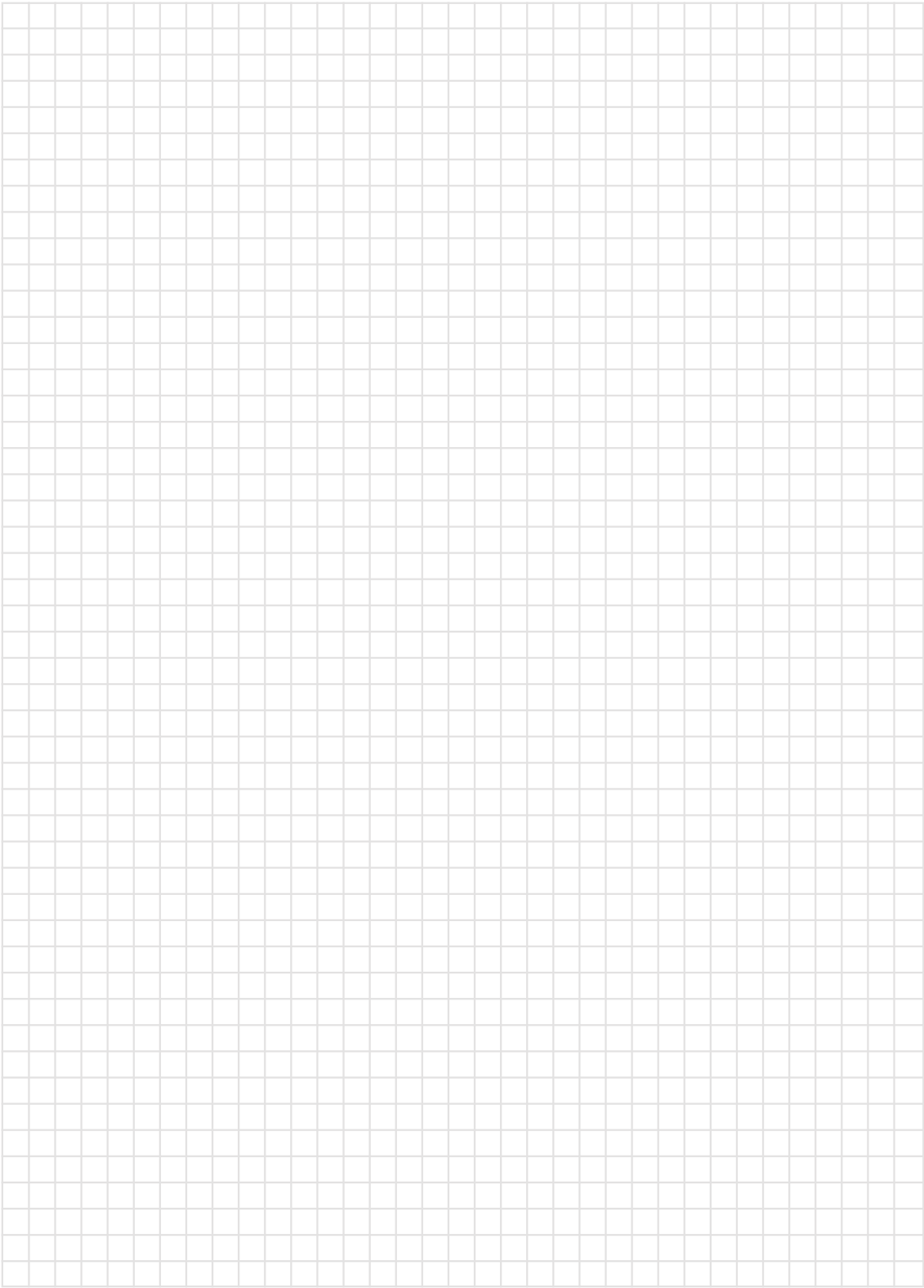
So in case of a zone with 10 detectors you need: 11 x 6 links = 66 data points in TOTAL

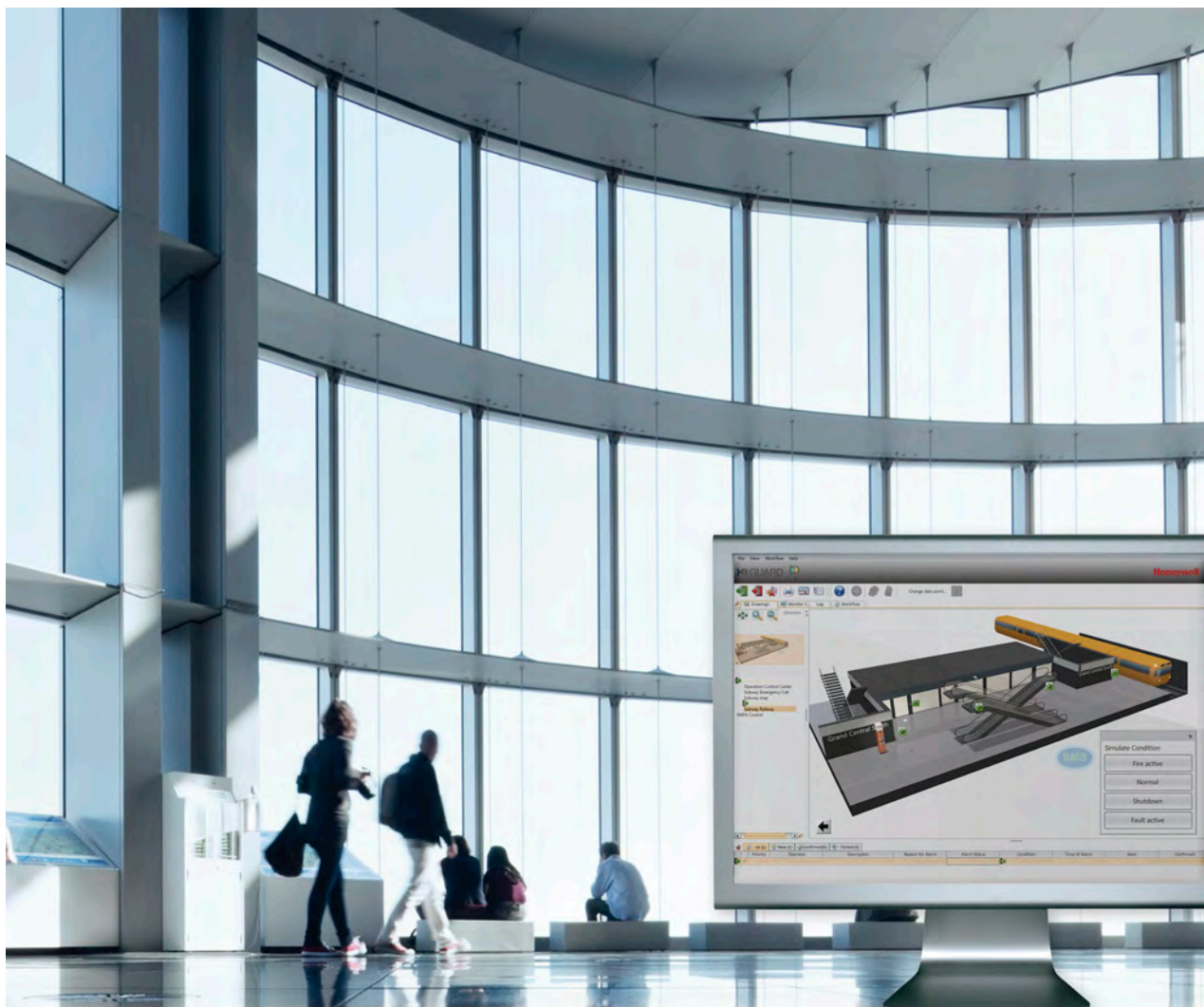
Accessories

784855 Serial essernet interface EDP (unidirectional)
 784856 Serial essernet interface EDP (bidirectional)
 772386 Interface module RS 232/V 24
 788606 Housing kit



Application example





Alarm Management System

WINMAG plus V5
FlexES Guard

102-115
116-129



Features

- Compatible with Windows XP Professional SP2, Windows of 2003 servers and Windows Vista
- Modular construction and freely programmable
- Direct control of the network devices
- List of measures to be taken for fire-fighting forces
- Individual allocation of usage rights incl. priority scheduling
- Integrated simulation-functions
- Extensive recording of events and operations
- Visualization of messages
- Up to 12 active graphics simultaneously representable
- Integration of video sequences possible
- Information output via Windows print manager to multiple printers etc.
- Time program/calendar function
- Integrated database standard
- Activation of other programs from WINMAGplus possible
- Efficient programming language (SIAS) for customer-specific adjustment of interface and processes in case of alarm
- Remote control possible via modem (optional)
- 10 printers per workstation possible
- Multiple monitors can be used. 4 of 8 screens may be selected.

Windows management system for hazard detection systems

WINMAG plus is based on a distributed server architecture and has been specially developed to meet the requirements of managing and integrating hazard detection systems on a single PC platform. WINMAG plus simultaneously manages and displays graphically a number of security applications, using a common user interface including: fire detection technology; voice alarm public address; intrusion detection technology; access control technology; video technology; rescue route technology/escape door control, personnel protection systems and locating systems as well as fence monitoring systems. Apart from security systems, a multitude of building management control systems such as lighting, elevator control and fault detection systems as well as door/gate/barrier control systems can be managed and graphically displayed.

Database and user interface are designed in line with current standards: messages are displayed both graphically and in text format. WINMAG plus offers various application options, ranging from clearly displayed messages to active control of all detection devices. Based on our security networks IGIS-Loop and essernet, WINMAG plus is not only a highly professional system but also the best possible integrated visual data and management solution.

Program:

Thanks to its modular design, WINMAG plus offers suitable software for systems of any size and type of application, ranging from WINMAG plus basic package for single-station systems with one subsection being connected to the WINMAG plus multi-station system with multiple subsections being connected. Licensing enables the program options purchased and it legitimizes program use. A dongle is purchased together with a license. The dongle must be plugged into a parallel interface or into a USB port of the WINMAG plus computer. For multi-station systems, every computer that is networked must be equipped with a dongle. Workstations that are not networked do not need a dongle. The license is for one version level (until version 7). When upgrading from versions older than V6.0 to V10.0 or later, you will automatically receive a dongle. If the dongle is removed during operation, WINMAG plus runs for up to 72 hours in online mode.

Our services for installers:

Our WINMAG plus services include everything from entering alarm points to generating diagrams. First of all, operators are made familiar with WINMAG plus. Then we work out the specifications together with the customer and develop SIAS programs. We design complete application packages and train your personnel. Until final acceptance, we offer support for all installation processes and assist you during daily operation via a remote maintenance tool if required.

Interfaces, drivers:

Besides our security system drivers included in our product catalog, we offer a variety of drivers for all kinds of trades and manufacturers. Due to the ever-growing number of drivers, the current list of drivers can be requested when required. If the driver you need is not available, we will develop a driver geared to your requirements. Alternatively, all instruments can be connected via the standard OPC interface. This is an international standard, which is supported by a multitude of manufacturers regardless of their product lines. For developing your own drivers, we can provide you with the connection server and a developer's package. Custom WINMAG plus drivers can thus be created.

The WINMAG plus basic package works without a license for demonstration 20 days à 8 hours as a full version with panel connection and then switches back to offline mode.

After the test time has elapsed, there is no longer any connection to connected components.

Starting in offline mode does not reduce the number of online test runs.

The demo mode is an executable editing environment. All components work except for accepting messages. In the demo mode every simulation can be tested via the simulation and all editing functions can be used.



Hardware and software requirements:

- Intel I5 or better
- min. 8 GB RAM
- min. 100 GB available hard disk storage
- default graphic card
- monitor of min. 1024x768 pixels
- sound card with external loudspeakers

compatible with:

- Windows Server 2008 32-/64-bit Version (Foundation version not supported)
- Windows 7 32-/64-bit version (Home edition not supported)
- Windows 8/8.1 (without RT)
- Windows Server 2012 (Foundation version not supported)
- Windows 10 32-/64-bit version
- Internet Explorer from version 7.0

An unlimited admin account is mandatory for the installation.

To order WINMAG plus and/or additional licenses, please use the WINMAG plus order form.

Please note, cancellation and return is excluded.

Basic Licenses

013631

Basic license for WINMAGplus USB port



This basic license is used to activate the basic software package/demo version to operate as unrestricted visualizing software for server workstations and for network clients. For interfacing control panels to server workstations, further licenses are required (see Part No. 013601 – 013606, 013608, 013611, 013613, 013625).



Please use order form on www.esser-systems.com.



Dongle for USB port

013610

Control center software CD WINMAGplus basic kit



DVD of the WINMAG plus control center software for hazard detection systems, without license. Compatible with: Windows Server 2008 32-/64-bit version (Foundation version not possible), Windows Server 2008 R2, Windows 7 32-/ 64-bit version (not home edition), Windows 8 / 8.1 (without RT), Windows Server 2012 R2 (Foundation version not possible), Windows 10 32-/64-bit version. With this basic software and the corresponding licenses, hazard alarm systems can be managed and operated via a PC. Danger messages are displayed in text form and graphically.



For demonstration purposes only, the WINMAGplus basic version operates without a license as a full version for a total of twenty 8-hour days, after which the program switches to offline mode. After the test period runs out, all connections to all components are cut off. Starting in offline mode does not reduce the number of test runs. The demo mode is a full-function editing environment. All components function except the online communication. Each process can also be tested in demo mode through simulation and all editing functions can be used. Please use order form on www.esser-systems.com.

You can also download this software free of charge from our protected download area at www.esser-systems.com.

Upgrade Packages

013617

Upgrade WINMAG ... V5 to WINMAG plus



WINMAG installation upgrade to the most recent WINMAGplus control center software version

WINMAG installation upgrade to the most recent WINMAG plus control center software version. An existing WINMAG as of version 6 can be upgraded to the most recent WINMAG plus control center software version. For each installation with dongle (each connected PC) an upgrade version must be ordered separately.



Please use order form on www.esser-systems.com.

013636

WINMAGLite upgrade to WINMAG plus full version



If the WINMAGLite system limits have been reached, an upgrade to the full version of WINMAG plus is possible, since both systems have access to the same database. WINMAG options are not part of the upgrade and must be ordered separately.



WINMAG plus options are not included in the upgraded version and must be ordered separately.

Please use order form on www.esser-systems.com.

013645

Upgrade of basic software WINMAG plus



Upgrade to the basic software WINMAG plus. The replacement dongle is required because the exchange of the computer hardware, the operation of the dongle is only possible via USB instead of the parallel interface.



This license may be ordered separately (as subsequent optional upgrade) only in conjunction with the auxiliary Part No. 013609. The update number of the basic license must be included when ordering. The

license is used for connection of the IQ8Control, system 8000 fire detection systems.

Please use order form on www.esser-systems.com.

Extension Licenses

013626

WINMAG plus license - fire detection technology



Features

- FACP: delayed, active/inactive, reset, audible on/off, alarm verification, reset, set time
- FACP detector zone: turn on/off, turn O, I, T sensors on/off, test on/off, on/off
- FACP detector zone (detectors, primary line): turn on/off, turn sensor on/off, test on/off, on/off
- FACP control group: turn on/off, test on/off, audible sounders, ARE, transmission equipment: Turn on/off
- FACP: turn on, buzzer off, reset
- All FACP: audible alarm on/off, read configuration

License option for WINMAG / WINMAG plus basic software. Required if fire detection systems are connected to WINMAG.



This license may be ordered separately (as subsequent optional upgrade) only in conjunction with the auxiliary Part No. 013609. The update number of the basic license must be included when ordering. The license is used for connection of the IQ8Control, system 8000 1024 and 1016 fire detection systems.

Please use order form on www.esser-systems.com.

013609

WINMAG plus control center software - subsequent upgrade



This order number serves as an auxiliary number for a subsequent optional extension or (e.g. additional client or subsequent connection of video systems) to an existing WINMAG installation from V 6.0. to V10 and WINMAG plus. The appropriate licenses must be ordered separately. The dongle need not be submitted.



Note on license requirements:

In each case only one license is necessary in order to connect an unlimited number of control panels to a PC. These licenses may be separately (subsequently) ordered only in conjunction with the auxiliary Part No. 013609. The update number of the basic license must be indicated.

Please use order form on www.esser-systems.com.

013601

WINMAG plus license - intrusion detection technology



Features

- Display of configuration changes and reconfiguration after restart
- Monitoring and controlling of Areas, zones, groups
- Alarm display / acknowledge / reset of areas, zones, groups and sensors
- Tamper alarm display / acknowledge / reset of areas, zones, groups and sensors
- Hold-up alarm display / acknowledge / reset of areas, zones, groups and sensors
- Monitoring and controlling of outputs
- Monitoring of inputs

License option for WINMAG / WINMAG plus basic software. Required if intrusion detection systems are connected to WINMAG.



This license may be ordered separately (subsequently) only in conjunction with the auxiliary Part No. 013609. The update number of the basic license must be included when ordering. The license is used for connection of the Honeywell intrusion detection systems MB/HB, 5008.

Please use order form on www.esser-systems.com.

013643

WINMAG plus license - Galaxy EMT



License option for WINMAG / WINMAG plus basic software. Required if Honeywell Galaxy Dimension intrusion detection technology is connected to WINMAG.

- This license may be ordered separately (as subsequent optional upgrade) only in conjunction with the auxiliary number 013609. The update number of the basic license must be included when ordering. The license is used for connection of the Honeywell intrusion detection systems.
Please use order form printed in the appendix.

013603

WINMAG plus license - access control



License option for WINMAG / WINMAG plus basic software. Required if access control system devices are to be connected to WINMAG (e.g. ACS 2 and ACS 8). MultiAccess and/or IQ MultiAccess software package is also required.

- This license may be ordered separately (as a subsequent optional update) only in conjunction with the auxiliary Part No. 013609. The update number of the basic license must be included when ordering. The license is used for the connection of the Honeywell ACS and (IQ) MultiAccess access control systems.
Please use order form on www.esser-systems.com.

Features

- Display states of Inputs / Outputs
- Locking readers
- Monitoring reader and controller states
- Unlock permanently / temporary doors
- Display persons in areas
- Time/Distance plausibility

013604

WINMAG plus license - video technology



License option for WINMAG / WINMAG plus basic software. Required if video technology equipment must be operated via WINMAG. The crossbars can execute such commands as pan, zoom, tilt, select monitor etc., depending on the model. The following video crossbars are currently supported: Ernitec M 500 and M 1000; Honeywell MaxPRO 32; Philips LTC 8x00; Fusion series II / III; Geutebrück Vicrosoft; Geutebrück Multiscope; Honeywell Fusion; contact your supplier for additional brands.

- This license may be ordered separately (as a subsequent optional update) only in conjunction with the auxiliary Part No. 013609. The update number of the basic license must be included when ordering.
Please use order form on www.esser-systems.com.

Features

- Switch camera to monitor
- Faults
- Status monitor
- Zoom, pivot, fixed positions for each camera
- Receive and acknowledge alarms

013620

WINMAG plus license - MaxPRO VMS



License option for WINMAG / WINMAGplus basic software. Required if intrusion detection systems are connected to WINMAG.

- This license may be ordered separately (subsequently) only in conjunction with the auxiliary Part No. 013609. The update number of the basic license must be included when ordering. The license is used for connection of the Honeywell intrusion detection systems MB/HB, 5008.
Please use order form on www.esser-systems.com.

Features

- Switch camera to monitor
- Faults
- Status monitor
- Zoom, pivot, fixed positions for each camera
- Receive and acknowledge alarms

013629

WINMAG plus license - Geutebrück



Features

- Switch camera to monitor
- Faults
- Status monitor
- Zoom, pivot, fixed positions for each camera
- Receive and acknowledge alarms

License option for WINMAG / WINMAG plus basic software. Required if Geutebrück video systems are to be connected to WINMAG.

- This license may be ordered separately (subsequently) only in conjunction with the auxiliary Part No. 013609. The update number of the basic license must be included when ordering. The license is used for connection of the Honeywell intrusion detection systems MB/HB, 5008. Please use order form on www.esser-systems.com.

013632

WINMAG plus license - Dallmeier video



Features

- Switch camera to monitor
- Faults
- Status monitor
- Zoom, pivot, fixed positions for each camera
- Receive and acknowledge alarms

Option to WINMAG plus basic license. WINMAG plus video technology equipment to be operated by Dallmeier.

- This license can be purchased separately (as later option extension) only in connection with the auxiliary item Part No. 013609. The update number of the basic license must be specified.

013658

WINMAG plus licence - SeeTec video connection



Features

- Switch camera to monitor
- Faults
- Status monitor
- Zoom, pivot, fixed positions for each camera
- Receive and acknowledge alarms

Option for the basic software WINMAG plus. Is required if WINMAG plus devices of the video technology of SeeTec are to be operated. The live stream delay of Cayuga Viewer can be up to 20 seconds. Please clarify exact compatibility in advance!

- This license may be ordered separately (as subsequent optional upgrade) only in conjunction with the auxiliary Part No. 013609. The update number of the basic license must be included when ordering. Please use order form on www.esser-systems.com.

013605

WINMAG plus license - rescue route technology/escape door control



Features

- Monitoring door and controller states
- Unlock permanently / temporary doors
- Display disorders of doors and controllers

License option for WINMAG / WINMAG plus basic software. Required if rescue route technology/escape door control equipment (only Honeywell Security) must be operated via WINMAG. The status of escape doors is graphically displayed.

- This license may be ordered separately (as a subsequent optional update) only in conjunction with the auxiliary Part No. 013609. The update number of the basic license must be included when ordering. The license is used for connecting Honeywell rescue route technology/escape door control equipment. Please use order form on www.esser-systems.com.

013623

WINMAG plus license - interfacing DEZ 9000



Option for connecting the DEZ 9000 remote control unit to the WINMAG / WINMAG plus system. The connection also enables the installation of applications working on the basis of VdS- 2465 transmission protocols to the WINMAG system.



Please use order form on www.esser-systems.com.

Features

- Acknowledgement
- States display for PSU, processor, printer, control center, ISDN/Analog and IP modules
- Disorder display for Telim compatible objects
- Channel control

013646

WINMAG plus license - DS 6750/7700



Option for the basic software WINMAG plus. Is required if at WINMAG plus Transmission devices DS 6750 or DS 7700 are to be connected.

Allows stand-alone connection of the transmission devices (without intruder alarm control panel) for the adaptation of third-party work. Up to 88/82 inputs / outputs possible. System information such as state of the communication lines and power supply as well as state of the standing TCP / IP connections to security and video centers are also available.



This license may be ordered separately (as subsequent optional upgrade) only in conjunction with the auxiliary Part No. 013609. The update number of the basic license must be included when ordering.

Please use order form on www.esser-systems.com.

Features

- Acknowledgement
- States display for PSU, processor, printer, control center, ISDN/Analog and IP modules
- Disorder display for Telim compatible objects
- Channel control

013608

WINMAG plus license - RTD



License option for WINMAG / WINMAG plus basic license. Enables operation of WINMAG via modem, using DS 7600 and DGA 2400 to ESSER IDT (HB and MB series) and fire detection systems (1024 series).



This license may be ordered separately (as a subsequent optional update) only in conjunction with the auxiliary Part No. 013609. The update number of the basic license must be included when ordering.

Please use order form on www.esser-systems.com.

013656

WINMAG plus license - nurse call systems



Optional for WINMAG plus basic software. Required if it must be connected to WINMAG plus call system devices (e.g. Clino Systevo) over the IPC control.



This license may be ordered separately (subsequently) only in conjunction with the auxiliary Part No. 013609. The update number of the basic license must be included when ordering. The license is used for connection of the Honeywell intrusion detection systems MB/HB, 5008.

Please use order form on www.esser-systems.com.

Features

- Monitoring and display of disorders of IPC and LRS modules
- Banner cry/Interconnections: activity display, switching and withdrawal
- Status indication: Presence, various call types, indication for different stations, disorder messages
- Operations: start/stop/hold for voice calls
- Start indication calls and start disorders
- Alarm management for calling groups

Connection Server

013606

WINMAG plus license - connection server



License option for WINMAG / WINMAG plus basic software. Connection Server is a software module that enables the connection of a 3rd party device to WINMAG. Connection Server offers a convenient interface with which data and control commands can be exchanged bi-directionally in detection point format using WINMAG.



This license may be ordered separately (as a subsequent optional update) only in conjunction with the auxiliary Part No. 013609. The update number of the basic license must be included when ordering.
Please use order form on www.esser-systems.com.

013607

WINMAG plus license - connection server developers kit



This developers kit can be used to program WINMAG / WINMAG plus connections to third party devices. The package contains the connection server developers kit including full documentation plus a one-day training session in Albstadt (Germany).



Please use order form on www.esser-systems.com.



Dongle for USB port and license disk

OPC

013590

Universal gateway for PC (software)



Gateway software as a standalone solution for the allocation of data points on host control center systems via OPC, ESPA 4.4.4.



Hardware and software requirements:

Pentium 3 GHz or higher, min. 512 MB RAM , min. 1 GB hard disk, XGA graphics card with min. 4 MB video memory, monitor with 1024 x 768 pixels or more, sound card with external speakers, Windows XP Professional SP2 and Windows 2003 Server, Windows Vista, Internet Explorer 6.0 or higher.

Part No. 013590 may only be ordered in connection with Part No. 013618.

Please use order form on www.esser-systems.com.

013618

WINMAG plus license - Data points package



Package of 500 data points for project-related allocation of OPC tags, ESPA data points, etc.



The data points package can only be ordered in connection with the license Part No. 013590 universal gateway for PC and/or license Part No. 013611 OPC server.

Please use order form on www.esser-systems.com.

013611

WINMAG plus license – OPC server



Option for WINMAG / WINMAG plus basic software. Required if WINMAG plus is to act as an OPC server.



The OPC server license can only be ordered in conjunction with the Part No. 013618 license. This license may be ordered separately (as a subsequent optional update) only in conjunction with the auxiliary Part No. 013609. The update number of the basic license must be included when ordering.

Please use order form on www.esser-systems.com.

013612

WINMAG plus license – OPC client



Option for WINMAG / WINMAG plus basic license. This is required if WINMAG is to display data from devices with OPC interfaces.



This license may be ordered separately (as a subsequent optional update) only in conjunction with the auxiliary Part No. 013609. The update number of the basic license must be included when ordering.

Please use order form on www.esser-systems.com.

013627

WINMAG plus license – BACnet server



Option for WINMAG / WINMAG plus basic software. This is required if WINMAG is to display data from devices with BACnet Interfaces.



This license may be ordered separately (as a subsequent optional update) only in conjunction with the auxiliary Part No. 013609. The update number of the basic license must be included when ordering.

Please use order form on www.esser-systems.com.

013628

WINMAG plus license - BACnet client

Option for WINMAG / WINMAG plus basic license. Is required if WINMAG plus is to receive data via BACnet. Coupling systems must be requested from Honeywell. For initial start-up requires support from Honeywell.



This license can be ordered separately (as a subsequent option extension) only in conjunction with the auxiliary number 013609. The update number of the basic license must be specified. Initial startup requires support from Honeywell.

Service BACnet client:

To connect the Honeywell products to building automation systems using the standardized BACnet protocol (ISO 16484-5), talk to our team.

Options

013613

WINMAG plus license - notification



License option for WINMAG / WINMAG plus basic license. Required if SMS (text message), fax or e-mail are to be sent from WINMAG.

This license may be ordered separately (as a subsequent optional update) only in conjunction with the auxiliary Part No. 013609. The update number of the basic license must be included when ordering. An ISDN connection (S0) as well as an ISDN card are required for the notification function.
Please use order form on www.esser-systems.com.

013650

WINMAG plus license - escalation



Option for the WINMAG / WINMAG plus basic license. Required if short text messages dispatched by WINMAG are to be acknowledged. Without acknowledgment, pre-programmed escalation plans can be activated.

This license may be ordered separately (as a subsequent optional update) only in conjunction with the auxiliary Part No. 013609. The update number of the basic license must be included when ordering. For the escalation license, the Part No. 013613 notification license is required. A PC sound card is required for this function.
Please use order form on www.esser-systems.com.

013651

WINMAG plus license - DTMF control option



Option for the WINMAG / WINMAG plus basic license. Facilitates the execution of control sequences via dual tone multi frequency (DTMF). With this, for example, it is possible to switch system outputs connected to WINMAG on or off via mobile phone.

This license may be ordered separately (as a subsequent optional update) only in conjunction with the auxiliary Part No. 013609. The update number of the basic license must be included when ordering.
Please use order form on www.esser-systems.com.

013652

WINMAG plus license - ability for customized interface rights (client-side)



Option for the WINMAG / WINMAG plus basic license, allowing individual assignment of interfaces and rights to several operators.

This license may be ordered separately (as a subsequent optional update) only in conjunction with the auxiliary Part No. 013609. The update number of the basic license must be included when ordering.
Please use order form on www.esser-systems.com.

013653

WINMAG plus license - 4 monitor support option



Option for WINMAG plus basic license. Enables the allocation of 4 monitors from a choice of 8 monitors. This option only works with WINMAG plus.

This option requires a special graphics card with up to 8 outputs in the WINMAG hardware. This option must be ordered per workstation which uses the multi-monitor option.
Please use order form on www.esser-systems.com.

013660

WINMAG plus license - WEBX



License option for the basic WINMAG / WINMAG plus license, allowing display of all system statuses via Internet or Intranet, using standard browsers (max. 5).

This license may be ordered separately (as a subsequent optional update) only in conjunction with the auxiliary Part No. 013609. The update number of the basic license must be included when ordering.
Please use order form on www.esser-systems.com.

013655

WINMAG plus license - AutoCAD

Option for WINMAG plus basic license. Enables the placement of detectors and groups directly from ACAD LT. The drawings are saved as dxf files. The detectors/groups are placed as hyperlinks in the ACAD drawing and stored. When importing these ACAD drawings into WINMAG plus, the symbols of the disciplines are automatically placed onto the correct position in the drawing. An ACAD license must be provided by the customer.



This option only works with WINMAGplus.
Please use order form on www.esser-systems.com.

013624

WINMAG plus license - redundancy

Option for redundant connection of essernet and IGIS-Loop security networks to the WINMAG server. Interface operation for redundant networks is based on master/backup operation and prevents data loss in WINMAG objects in case of disruption of network connections caused by cable defects or COM port failure.



Please use order form on www.esser-systems.com.

013625

WINMAG plus license - client

License option for WINMAG / WINMAG plus basic license. Enables operation of one client station in a computer network with one server workstation. The license must be installed at the server workstation. Clients require only the WINMAG software to be installed. One WINMAG client license is needed per client.



This license may be ordered separately (as a subsequent optional update) only in conjunction with the auxiliary Part No. 013609. The update number of the basic license must be included when ordering.
Please use order form on www.esser-systems.com.

013661

WINMAG plus license - DTS integration

Option for the basic license WINMAG plus. Allows the connection of the DTS system.
Please clarify exact compatibility in advance!



This license may be ordered separately (as a subsequent optional update) only in conjunction with the auxiliary Part No. 013609. The update number of the basic license must be included when ordering.
Please use order form on www.esser-systems.com.

Services

784830.20

Detection point input



Object-related according to written customer specifications.



This item is on request!

784832.20

Text page input



Object-related according to written customer specifications.



This item is on request!

784833.20

Graphics page input



Object-related according to written customer specifications.



This item is on request!

784839.20

Graphics page conversion



Conversion of various graphics formats into format readable for WINMAGplus.

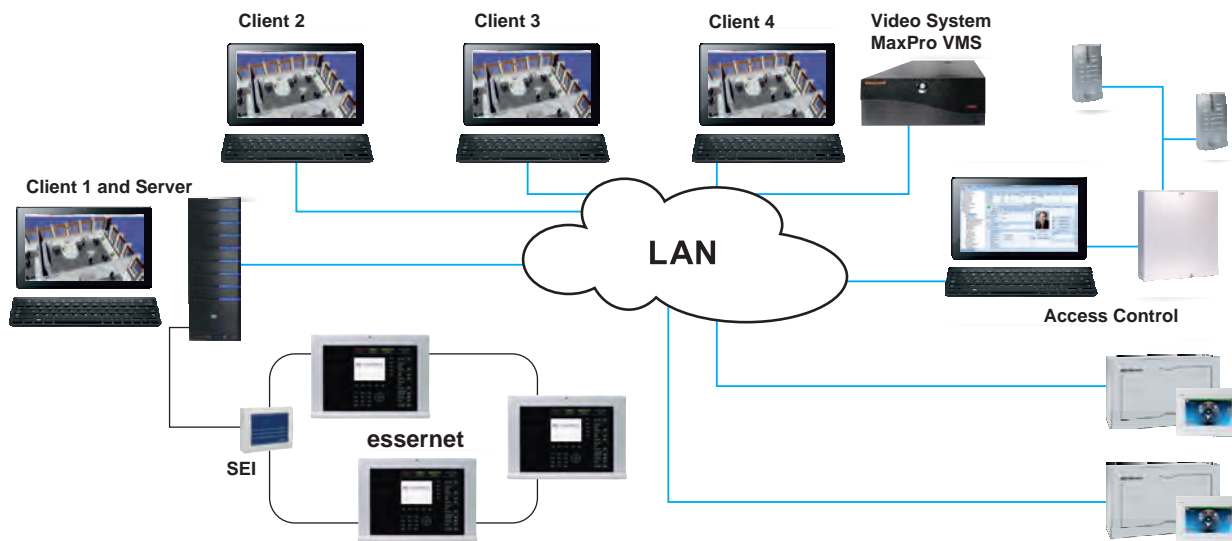


This item is on request!

Application Example

Application Examples

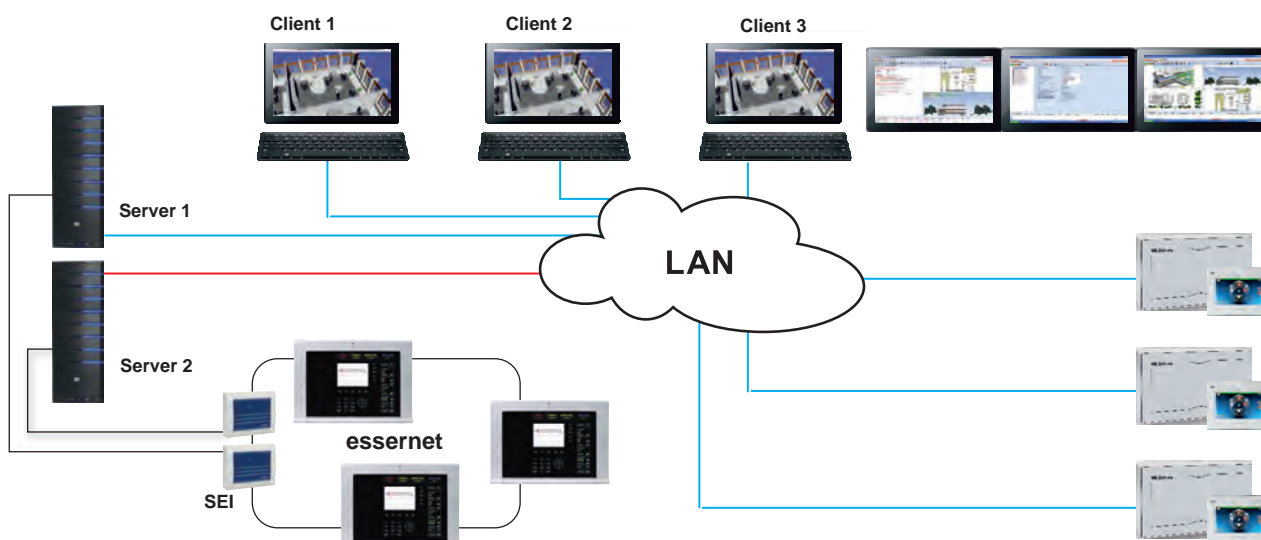
1. WINMAG plus multi-station system – 1 server, 2 client PC's and connection to other product lines



WINMAG plus Software Requirements:

| | |
|---|-----------------|
| 1 x Control center software WINMAG plus (DVD) | Part No. 013610 |
| 1 x Basic license WINMAG plus | Part No. 013631 |
| 1 x License intrusion | Part No. 013601 |
| 1 x License fire detection | Part No. 013626 |
| 1 x License access control | Part No. 013603 |
| 1 x License Honeywell MaxPro VMS | Part No. 013620 |
| 3 x License WINMAG client | Part No. 013625 |

2. WINMAG plus multi-station system – 2 server (redundancy), 3 client PC's and LAN connection



WINMAG plus Software Requirements:

| | | | |
|---|-----------------|-------------------------------|-----------------|
| Server 1 | | Server 2 | |
| 1 x Control center software WINMAG plus (DVD) | Part No. 013610 | 1 x Basic license WINMAG plus | Part No. 013631 |
| 1 x Basic license WINMAG plus | Part No. 013631 | 1 x License intrusion | Part No. 013601 |
| 1 x License intrusion | Part No. 013601 | 1 x License fire detection | Part No. 013626 |
| 1 x License fire detection | Part No. 013626 | | |
| 4 x License WINMAG plus client | Part No. 013625 | | |
| 1 x License WINMAG plus redundancy | Part No. 013624 | | |



Features

- Separate client/server architecture with central update functionality
- Operating system-independent client function depending on drivers (plug-ins)
- Modular construction with open system architecture
- Workstation client and/or Web client
- Identical user interface for desktop and Web clients
- Separate editing modules for individual clients
- Display of system status with graphics, text, table, Web, or video view
- Multi-monitor operation with up to 9 monitors (max. 4 physical, 5 virtual), basic version supports the connection of max. 2 physical monitors
- Alternatively: 1 physical, 8 virtual
- Server-based connection to devices
- Logging of all messages, interactions, and processes
- Initial SQL database H2, extensible to SQL Server, Oracle, DB2
- Integrated adoption of data structures and graphics from external systems
- Support for multiprocessor systems
- Multiprocessing/multithreaded architecture

FlexES Guard – The management system for intelligent security

The FlexES Guard hazard and alarm management system is a Client-Server-System and based on Java™ and thus provides an ideal basis for a platform-independent message visualization system. Any data can be accessed from any location from different mobile devices (PC, tablet, smartphone). Integrated permission management allows customized views and functionality for different users. An additional feature enables client access via the web browser: Each user has the option to start the client either in the web browser or as a desktop program, for example if a multi-monitor view is desired. Through automatic adjustment of the software version between server and clients, all participants on the network are always using the same version. Moreover, all functions are available to their full extent regardless of the way the program is started (browser or desktop). As well the BMS supports the user with a workflow wizard alarm and fully detailed description of the FACP Alarm- & Fault-Code. The new program structure provides its various functionalities in three different software modules:

The control console: This is the application with which the user works.

The configuration module: This is where all system administration is carried out, from user and permission administration, to driver and data point management, to licensing and client administration.

The graphical editor client: This module is used to set up the application for the control console. This is where graphics and alarm points are placed, programs integrated, layers created for the different operating levels, and all the functional graphical elements set up that are needed to operate the control console.

The advantage of this organization is that both the configuration module and the editor client can not only be started in standard web browsers like Microsoft Internet Explorer or Mozilla Firefox, but also used with full functionality. A web browser, an installed Java runtime, and a TCP/IP connection are enough to use a client computer to manage the server and make changes to the application. Control of access is entirely handled by the server. It is also possible to make most changes to the application as well as carrying out administrative tasks while the FlexES Guard is online, reducing downtime and significantly increasing system availability.

Interfaces

FlexES Guard offers a continually growing portfolio of proprietary interfaces for systems in the areas of fire and burglar alarm systems, voice alarm, call systems, access control, and video technology.

In addition to the OPC and ESPA standard interfaces, BACnet, Modbus, and SNMP will soon be available. This means that not only bidirectional coupling with the building services management system and process and automation technology are possible, but data exchange with communication systems will also be possible.

To integrate data provided by external databases, FlexES Guard has its own connector that permits simple, reliable access to this data.

Service program

We offer an extensive service program related to FlexES Guard for installers, which in addition to a FlexES Guard project also offers appropriate support in the different phases of implementation. Services range from system presentation to customers to support in requirements definition, input of alarm points and graphics pages, as well as program support and even the training of operating personnel and support during the system handoff/acceptance. Support for maintenance and extension of existing systems completes the service program.



Hardware and software requirements:

Intel Dual Core or better, at least 4 GB RAM, at least 150 GB free hard drive space, XGA graphics card with at least 4 MB video memory, monitor with at least 1024x768 pixels, sound card with external speakers, compatible with XP Professional (SP3) 32-bit version, Windows Server 2008 32-/64-bit versions, Windows 7 32-/64-bit versions, additional operating systems for the operation of the FlexES Guard client upon request, Java Runtime 6, Internet Explorer version 7 or better, Mozilla Firefox version 16 or better.

To order FlexES Guard and/or additional license options, please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com. Your technical sales consultant is available for any additional information.


Please note, cancellation and return is excluded.

Basic Licenses


The FlexES Guard hazard and alarm management system uses a pure software licensing procedure to enable the functions of the base system, the extensions, and the drivers and their data points. Licenses are managed centrally on the server and are connected to its hardware using a machine code (serial number). Specification of the serial number is thus absolutely essential when ordering licenses for the initial installation and any upgrades. The installation and test operation of the software package can also take place without licensing (Test software package can be downloaded from our website). In unlicensed operation, the configuration and the graphical editor module can be used as often as needed to create applications. Control console test mode is limited to one hour of server runtime. After this, the FlexES Guard server must be stopped and restarted.

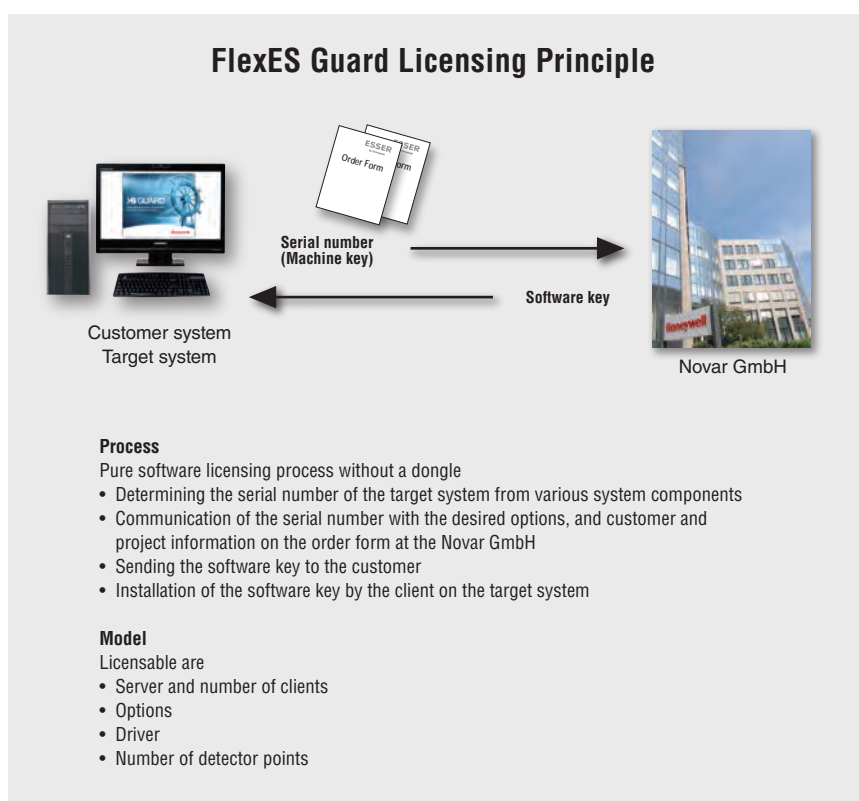
FlexES Guard must be ordered using Part No. MX50050 license package FlexES Guard and MX50055 license package upgrade.

Take note, in case you want to run FlexES Guard on a virtual machine (VM), pls. contact your local sales representative for further details, as a special training is essential!

 Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

Consider as rule of thumb, 3 loops need one data package.

 The software license code for the FlexES Guard (MX50050) license package as well as the FlexES Guard upgrade (MX50055) are delivered on a USB flash drive.



MX50100



Server license

The server license is used to enable the FlexES Guard hazard and alarm management system server as an unlimited visualization and operating software package. To operate the client software as a control console on the server hardware, as well as from any point in the same LAN/WAN as the server, at least one client license is required. To connect subsystems (such as centrals) to the server, additional licenses are required (see driver, Part No. MX53000-MX53710.DP).

 Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

 USB flash drive with license file


MX50250

Single client license



Option for FlexES Guard server license. Permits the simultaneous operation of a control console client software on the FlexES Guard server. It can optionally be determined whether the client can only be started from certain hardware or from any arbitrary PC on the network, for example from web browsers. If the control console client and server are operated on just one machine, then in addition to the server license at least one client license is required.

This item is required for each client used.


 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX50255

Client license package, 5 licenses



Option for FlexES Guard server license. Permits the simultaneous operation of 5 control console client licenses on the FlexES Guard server. It can optionally be determined whether the client can only be started from certain hardware or from any arbitrary PC on the network, for example from web browsers.


 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX50260

Client license package, 10 licenses



Option for FlexES Guard server license. Permits the simultaneous operation of 10 control console client licenses on the FlexES Guard server. It can optionally be determined whether the client can only be started from certain hardware or from any arbitrary PC on the network, for example from web browsers.


 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX50270

Client license package, 20 licenses



Option for FlexES Guard server license. Permits the simultaneous operation of 20 control console client licenses on the FlexES Guard server. It can optionally be determined whether the client can only be started from certain hardware or from any arbitrary PC on the network, for example from web browsers.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

Licenses for Special Versions

MX50410

FlexES Guard Gateway



The FlexES Guard Gateway license authorizes operation of the server without graphical visualization. This permits alarm point information from connected systems (e.g. ESSER Fire Detection Technology) to be prepared for higher-level control systems using OPC and ESPA. To operate the FlexES Guard Gateway, in addition to a trades license plus data point packages (e.g. MX53000 + MX53000.DP), only the corresponding data point packages for the OPC server and/or ESPA are needed. The graphical editor module is not available for this software license and the control console cannot be started as a graphical user interface. Functions such as setup, logging, and the display of status and operation of alarm points for testing, setup, and maintenance are provided through the configuration module.

i This license can only be used in combination with part number MX53700.DP data point package for OPC server and/or MX53620.DP data point package for ESPA. For additional data point packages for an existing gateway, please use the Serial-Key-Generator (SKG) MX50055 FlexES Guard upgrade. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

Extensions

MX51000

Multi-Client Capability



Extension to the FlexES Guard server license that makes it possible to structure the system for use by multiple clients. Each of these clients may have multiple users with custom screens and permissions. Client capability ensures that FlexES Guard can be operated by different user groups (such as different customers) without giving them the ability to see one another's data.

i This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX51100

Multi-Monitor



Extension to the FlexES Guard server license for system-wide enabling of multi-monitor client workstations. This makes it possible to output the content of 9 possible monitors per PC on up to 4 physical monitors with different displays. If the physical monitors defined for the user are not available (for example if the client has been started from a web browser), the displays are automatically redirected to virtual screens that can then be selected by tab.

i This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. The PC hardware needed for four-monitor operation must be ordered separately. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX51200

Notification



Extension to the FlexES Guard server license for the sending and receipt of email and SMS messages as well as notification by fax with graphics. Sending email also makes it possible to send file attachments (e.g. alarm graphics). The receipt of SMS messages and emails can be routed to the alarm queue. It is possible to evaluate the content of incoming messages and start customizable workflows.

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. The hardware needed to send SMS messages and faxes must be ordered separately. To use email notification, the use of an email server by SMTP and IMAP/POP3 protocol must be possible from the FlexES Guard server. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX51400

Driver Redundancy



Extension to the FlexES Guard server license for system-wide enabling of driver redundancy. Driver redundancy makes it possible to establish both the existing connection to a subsystem (e.g. essernet) and a second, independent, monitored connection to the subsystem (e.g. using a second SEI in essernet). If there is a connection problem with one of the two connections, the redundant connection takes over communication and an error message is emitted. This extension provides a simple way to achieve a significant increase in failure protection of the connection, especially for serially connected systems.

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. The hardware needed to duplicate the connection to subsystems (such as an additional SEI) must be ordered separately. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX51600

User interface Windows authentication



Extension to the FlexES Guard server license that makes it possible to use the user names and passwords from the Windows network to log into the FlexES Guard hazard and alarm management system. This means that administrators of FlexES Guard no longer need to manage users with separate passwords in FlexES Guard. Windows network users must simply be set up in FlexES Guard. Authentication then takes place using Windows network mechanisms. The advantage of such a login is the lower administrative overhead for login and password information of the users of FlexES Guard and the fact that any existing password guidelines already in place for the Windows network are automatically obeyed.

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. This extension requires corresponding permissions to be granted for Active Directory user authentication in the IT environment of the FlexES Guard server. To set up this extension, IT knowledge of Directory Services is required. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

Driver

MX53000

Driver for ESSER fire detection technology



Features

- FACP: delayed, active/inactive, reset, audible on/off, alarm verification, reset, set time
- FACP detector zone: turn on/off, turn O, I, T sensors on/off, test on/off, on/off
- FACP detector zone (detectors, primary line): turn on/off, turn sensor on/off, test on/off, on/off
- FACP control group: turn on/off, test on/off, audible alarm devices, ARE, transmission equipment: Turn on/off
- FACP: turn on, buzzer off, reset,
- All FACP: audible alarm on/off, read configuration

This driver for the FlexES Guard server permits the use of ESSER FACP in essernet. It automatically creates new alarm points in the FlexES Guard database that can be displayed using filter functions.

The driver supports the ESSER FACP series 8000x, IQ8C/M and FlexES via essernet. The essernet interface with micromodule is needed to do so. (Part No. 784856).

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53000.DP

Data points for ESSER fire detection technology, 500 data points



Data point package for the ESSER fire detection technology interface driver. FlexES Guard counts the data points used in the driver and in the database. To do this, the software must be enabled with the drivers and the number of data points. Licensing is done in steps of 500 data points.

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53100

Driver for ESSER I-CIE 5008 interface



Features

- I-CIE: buzzer off, remote programming enabled, I-CIE power supply/FB8, unblock transponder, turn I-CIE printer on/off
- Enable I-CIE area, internal/external armed/disarmed, walk test, delete, delete installer, query actuation
- I-CIE control and detector zone: turn on/off, unblock

This driver for the FlexES Guard server permits the use of ESSER I-CIE FACP in essernet. This driver automatically creates new alarm points in the FlexES Guard database that can be displayed using filter functions.

This driver supports the ESSER 5008 intrusion alarm system through essernet. The essernet interface with micromodule is needed to do so. (Part No. 784856).

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53100.DP

Data points for ESSER intruder alarm panel 5008, 500 data points



Data point package for the ESSER 5008 I-CIE interface driver. FlexES Guard counts the data points used in the driver and in the database. To do this, the software must be enabled with the drivers and the number of data points. Licensing is done in steps of 500 data points.

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53110**Driver IGIS MB/HB series****Features**

- I-CIE: buzzer off, remote programming enabled, I-CIE power supply/transponder: unblock, turn I-CIE printer on/off,
- I-CIE area: enable, internal/external armed/disarmed, walk test, delete, delete installer, query actuation,
- I-CIE control and detector zone: turn on/off, unblock

This driver for the FlexES Guard server permits the use of I-CIE centrals in the IGIS LOOP network. Alarm points can be created by using an import function in the FlexES Guard database. This driver supports the Honeywell HB/MB series intrusion alarm system through IGIS loop with a monitored RS232 connection.

The IGIS loop Controller is also needed (Part No. 013330.10, 013331.10, 013332.10).

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53110.DP**Data points for IGIS MB/HB series, 500 data points**

Data point package for the IGIS MB/HB series interface driver. FlexES Guard counts the data points used in the driver and in the database. To do this, the software must be enabled with the drivers and the number of data points. Licensing is done in steps of 500 data points.

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53200**Driver VARIODYN D1****Features**

- Reading the VARIODYN® D1 configuration
- Trigger calls
- Display of faults
- Display of line statuses
- Read and write controls
- Display of inputs
- Playing SCU sound files

This driver for the FlexES Guard server permits the connection of ESSER/Honeywell VARIODYN D1 voice alarm systems via TCP/IP. This driver can read the device configuration of the VARIODYN D1 network for commissioning and automatically write it to the equipment configuration of FlexES Guard. To do this, a free port is required on the DOM of the VARIODYN D1 system.

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53200.DP**Data points for VARIODYN D1, 100 data points**

Data point package for the SAA VARIODYN® D1 interface driver. FlexES Guard counts the data points used in the driver and in the database. To do this, the software must be enabled with the drivers and the number of data points. Licensing is done in steps of 100 data points.

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53300**Driver IPC - Ackermann ILC****Features**

- Display of different call types, such as medical services, emergency call, nurse call, fire alarm
- Triggering of calls from the screen

This driver for the FlexES Guard server permits the use of Ackermann call systems. This driver supports the Clino 99 system through the IPC module.

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53300.DP**Data points for IPC - Ackermann ILC, 100 data points**

Data point package for the IPC Ackermann ILC interface driver. FlexES Guard counts the data points used in the driver and in the database. To do this, the software must be enabled with the drivers and the number of data points. Licensing is done in steps of 100 data points.

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53130**Driver Telenot complex 400 H****Features**

- I-CIE,;
- I-CIE area;
- I-CIE control and detector zone: turn on/off, unblock

This driver for the FlexES Guard server allows connection of the burglar alarm from the manufacturer Telenot. The reporting points can be created using the administration client in the FlexES Guard database.

The Telenot burglar alarm control panels of type complex 400H are supported via connection by means of a monitored RS232 coupling.

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53130.DP**Data points for Telenot complex 400 H, 500 data points**

Data point package for the interface driver Telenot complex 400H. FlexES Guard is one of the data points used in the driver and in the database. To do this, the software must be activated with the drivers and the number of data points. Licensing is done in steps of 500 data points.

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53400**Driver Geutebrück Reporter/Geviscope****Features**

- Switch camera to monitor
- Faults
- Status monitor
- Zoom, pivot
- Fixed positions for each camera

This driver for the FlexES Guard server permits the connection of the Geutebrück Videotechnik Reporter/Geviscope. It automatically creates new alarm points in the FlexES Guard database that can be displayed using filter functions.

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard Upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53400.DP**Data points for Geutebrück Reporter/Geviscope, 100 data points**

Data point package for the Geutebrück Reporter/Geviscope interface driver. FlexES Guard counts the data points used in the driver and in the database. To do this, the software must be enabled with the drivers and the number of data points. Licensing is done in steps of 100 data points.

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard Upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53410**Driver Milestone CCTV**

This driver for the FlexES Guard server permits the connection of Milestone CCTV products. It automatically creates new alarm points in the FlexES Guard database that can be displayed using filter functions.

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

Features

- Switch camera to monitor
- Display of faults
- Status monitor
- Zoom, pivot, and fixed positions for each camera.

MX53410.DP**Data points package for Milestone CCTV, 100 data points**

Data point package for the Milestone CCTV system interface driver. FlexES Guard counts the data points used in the driver and in the database. To do this, the software must be enabled with the drivers and the number of data points. Licensing is done in steps of 100 data points.

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53420**Driver Mobotix IP camera**

This driver for the FlexES Guard server permits the use of Mobotix IP Cameras in FlexES Guard. If the protocol and hardware connected support this, it automatically creates new alarm points in the FlexES Guard database that can be displayed using filter functions.

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

Features

- Display of faults
- Zoom, pivot, and fixed positions for each camera
- Start recording
- Turn camera on/off

MX53420.DP**Data points for Mobotix IP camera, 100 data points**

Data point package for the interface driver of the Mobotix IP camera. FlexES Guard is one of the data points used in the driver and in the database. To do this, the software must be activated with the drivers and the number of data points. Licensing is performed in steps of 100 data points.

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53450**Interface driver HeiTel video technology****Features**

- Plug-in functionality:
- Live: Live image display and/or "snapshot" memories.
- Archive: Archive search by pictures and/or video sequences via convenient tree structure; storage of single image or video sequence.
- PTZ functionality (Pan-Tilt-Zoom function): PTZ control via monitor or PTZ preset via short-cut (if supported by the camera, see HeiTel reference list)

This driver enables the operation of HeiTel devices on FlexES Guard.

Supported types are: CamTel, CamServer, CamDisc, CamMobile

This driver can read the device configuration of the HeiTel video system for commissioning and automatically take over in FlexES Guard. Communication is via Ethernet.

The client-side operation of devices is via plug-in.

Note: No cam control server license is required for the operation of the plug-in.



This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53450.DP**Data points for interface driver HeiTel video technology, 100 data points**

Data point package to the HeiTel video technology interface driver. FlexES Guard is one of the data points used in the driver and in the database. To do this, the software must be activated with the drivers and the number of data points. Licensing is done in steps of 100 data points.



This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53510**Driver ZK primeWebSystems****Features**

- Display of status of inputs/outputs
- Blocking of readers
- Status display of readers/centrals
- Permanent opening and temporary opening of doors

This driver for the FlexES Guard server permits the use of PRIMION Prime Web access control in FlexES Guard. This driver automatically creates new alarm points in the FlexES Guard database that can be displayed using filter functions.



This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53510.DP**Data points for ZK primeWebSystems, 100 data points**

Data point package for the ZK primeWebSystems interface driver. FlexES Guard counts the data points used in the driver and in the database. To do this, the software must be enabled with the drivers and the number of data points. Licensing is done in steps of 100 data points.



This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53600**Driver TDM/ASCOM emergency call system****Features**

- Establishing voice connections
- Display of faults and alarms

This driver for the FlexES Guard server permits the use of TDM/ASCOM emergency call systems. This driver supports ASCOM emergency call systems using the CTI and SNMP interface.

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53600.DP**Data points for TDM/ASCOM emergency call system, 100 data points**

Data point package for the TDM/ASCOM emergency call system interface driver. FlexES Guard counts the data points used in the driver and in the database. To do this, the software must be enabled with the drivers and the number of data points. Licensing is done in steps of 100 data points.

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53610**Driver RWT bus controller 925****Features**

- Locking/permanent opening and temporary opening of doors
- Status indicators for doors
- Fault display for doors and centrals

This driver for the FlexES Guard server permits the use of escape route systems in FlexES Guard. This driver automatically creates new alarm points in the FlexES Guard database that can be displayed using filter functions.

This driver supports Assa Abloy Bus Controller 925 products

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53610.DP**Data points for the RWT bus controller 925, 100 data points**

Data point package for the RWT Bus Controller 925 interface driver. FlexES Guard counts the data points used in the driver and in the database. To do this, the software must be enabled with the drivers and the number of data points. Licensing is done in steps of 100 data points.

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53615**Driver RWT Bus-Controller 970****Features**

- Locking/permanent opening and temporary opening of doors
- Status indicators for doors
- Fault display for doors and centrals

This driver for the FlexES Guard server permits the use of escape route systems in FlexES Guard. This driver automatically creates new alarm points in the FlexES Guard database that can be displayed using filter functions.

This driver supports Assa Abloy Bus Controller 925 products

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53615.DP**Data points for RWT Bus-Controller 970, 100 data points**

Data point package for the RWT Bus Controller 925 interface driver. FlexES Guard counts the data points used in the driver and in the database. To do this, the software must be enabled with the drivers and the number of data points. Licensing is done in steps of 100 data points.

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53620**Driver ESPA terminal devices**

This driver for the FlexES Guard server permits the use of the ESPA 4.4.4 protocol to distribute messages to mobile devices like pagers and DECT telephones.

The serial or Ethernet TCP/IP interfaces can optionally be used to connect to it.

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

Features

- Sending text messages
- Receiving of messages with the freely programmable alarm assignment provided by Goovy

MX53620.DP**Data points for ESPA terminal devices, 10 data points**

Data point package for the ESPA terminal device interface driver. FlexES Guard counts the ESPA connections used in the driver and in the database. To do this, the software must be enabled with the drivers and the number of data points. Licensing is done in steps of 10 data points.

This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53640**Interface driver databases**

This driver for the FlexES Guard server permits the use of TDM/ASCOM emergency call systems. This driver supports ASCOM emergency call systems using the CTI and SNMP interface.

This license can also be purchased separately as an extension to a FlexES Guard inventory system.

Please use the available software Serial Key Generator (SKG) at www.esser-systems.com for the first order as well as upgrades.

Features

- Establishing voice connections
- Display of faults and alarms

MX53640.DP**Data points for interface driver databases, 10 data points**

Data point package for the database driver. FlexES Guard is one of the data points used in the driver and in the system database. To do this, the software must be activated with the drivers and the number of data points. This driver corresponds to a data point of a table of an external database to be accessed. Licensing is done in steps of 10 data points.


This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53699**Driver for external systems****Features**

- Definition according to customer requirements in the specifications


This driver for the FlexES Guard server permits the use of external systems in FlexES Guard. Depending on the protocol, the driver automatically creates new alarm points in the FlexES Guard database that can be displayed using filter functions.

This driver supports external products whose protocol can be emulated using customer-specific programming of the interface SDK. The customer-specific Programmer's Guide is not part of the driver and must be offered separately according to cost.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53699.DP**Data points for external systems, 100 data points**

Data point package for the external system interface driver. FlexES Guard counts the data points used in the driver and in the database. To do this, the software must be enabled with the drivers and the number of data points. Licensing is done in steps of 100 data points.


 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53700**Driver OPC DA server**

This driver for the FlexES Guard server permits the use of OPC servers to forward data to external systems.


This driver supports the OPC protocols Data Access 1.0, Data Access 2.04, Data Access 2.05, Data Access 3.0, and Alarm & Event 1.0.

Information about the object and data types supported as well as about setting up the OPC client can be found in the additional documentation. If you have further queries about the product, please contact our TSC.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.


MX53700.DP**Data points for OPC DA server, 500 data points**

Data point package for the OPC server. FlexES Guard counts the data points used in the driver and in the database. To do this, the software must be enabled with the drivers and the number of data points. Licensing is done in steps of 500 data points.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53710.DP**Data points for OPC client, 500 points**

Data point package for the OPC client. FlexES Guard counts the data points used in the driver and in the database. To do this, the software must be enabled with the drivers and the number of data points. Licensing is done in steps of 500 data points.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53810


Driver BACnet client



This driver enables the use of FlexES Guard server as a BACnet client for transferring data from third party systems.

This driver supports the data transfer via BACnet IP. Simple data point acquisition through integrated BACnet browser.

Information about the supported object and data types, as well as setting up the Modbus interface, can be found in more advanced documentation. If you have further questions about the product, please contact our technical support.


 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53810.DP

Data points for BACnet client, 500 data points



Data point package for the BACnet client. FlexES Guard is one of the data points used in the driver and in the database. To do this, the software must be activated with the drivers and the number of data points. Licensing is done in steps of 500 data points.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

MX53900


Driver Modbus IP client/serial master



This driver enables the use of FlexES Guard server as a Modbus client to acquire data from third party systems.

This driver supports the data transfer via Modbus IP client as well as serial (RS232/RS485) via Modbus Serial Master.

Information about the supported object and data types, as well as setting up the Modbus interface, can be found in more advanced documentation. If you have further questions about the product, please contact our technical support.


 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.

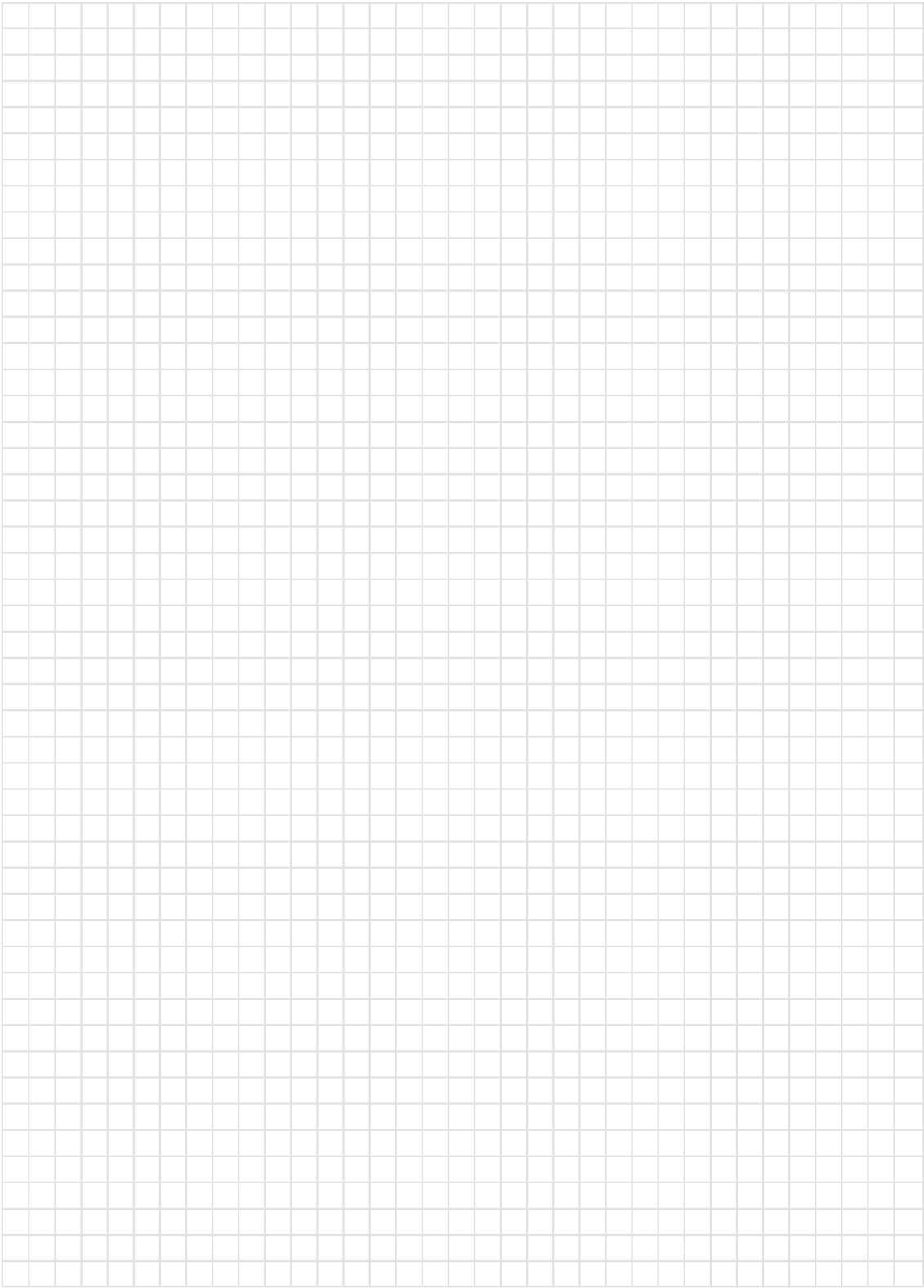
MX53900.DP

Data points for Modbus IP client, 500 data points



Data point package for the Modbus client. FlexES Guard counts the data points used in the driver and in the database. To do this, the software must be enabled with the drivers and the number of data points. Licensing is done in steps of 500 data points.

 This license can also be purchased separately as an extension to an existing FlexES Guard system. The MX50055 FlexES Guard upgrade Serial-Key-Generator (SKG) must be used to do so. The serial number (machine code) of the system must be specified for each extension. Please use the FlexES Guard Serial-Key-Generator (SKG) available in the customer area at www.esser-systems.com.





Automatic Detectors

| | |
|--|---------|
| Series ES Detect (Intelligent non-addressable) | 132-136 |
| Series IQ8Quad (Intelligent Addressable) | 137-153 |
| Series IQ8Quad Intrinsically Safe | 154-158 |
| Base Series IQ8Quad, ES Detect | 159 |
| Customized Painting | 160-161 |
| Accessories | 162-179 |

Automatic Detectors

Series ES Detect (Intelligent non-addressable)



Features

System benefits:

- Optimally matched to the ES Line system
- With multisensor detectors for the detection of all fires, even under the most difficult operating conditions
- Up to 30 detectors per detection group

Reliable detection:

- Uniform response sensitivity of the detector for all different types of fire for the multisensor detectors
- Large distance between signal and interference magnitudes due to special sensor and electronics design for suppressing electromagnetic influences
- Automatic adaptation to varying environmental influences
- Electronic compensation also called drift-compensation of long-term influences of contamination or aging

Reliable false alarm suppression:

- High reliability against false alarms by temporal evaluation of different sensor criteria, with built-in insect screen and sealed against rear air flow entry
- Exclusion of signal forms not typical of fires through special filter algorithms
- Automatic self-monitoring of the detector electronics
- Automatic self-monitoring of sensors for function and condition

Maintenance:

- Designation of the heat detector by a black ring on the light pipe
- Hours of operation, alarm and fault counter in each detector
- Operation data retrieval of all detectors of a group with standard service PC and field bus interface
- Detector LED for alarm display and as an identification display in the service (for maintenance with 8000 tools)

Wide range of accessories:

- Standard socket and relay base
- Socket adapter for ceiling installation
- Dust caps optional for fire detectors and detector base
- Kit for suspended mounting

The ES Detect automatic detector is an intelligent non-addressable detector specifically designed for operation on conventional detector groups e.g., the ES-Line FACP. ES Detect sets new standards in conventional technology through high quality sensors with advanced detection technology and an integrated rubber ring to prevent the occurrence of the "STACK EFFECT". These include not only the intelligent algorithms for fire detection but also the wide range of different types of detectors, including multisensor detectors OTblue and O²T. ES Detect also helps to save costs, because with the implemented drift compensation, ES Detect can be operated a full eight years, instead of five years for ordinary detectors, according to DIN 14675. Numerous accessories are available from the program of the IQ8Quad detector series. The ES Detect is equipped with a logo (ES) for optical differentiation. The convenient maintenance with the programming software tools 8000 (in preparation) completes the full spectrum of ES Detect, from which the operating data of the detector (for example, the measured values, contamination, alarm counters, operating hours counter etc.) can be read and stored. The detectors remain where they were installed, because the complete detector group can be connected to a PC and serviced via the field bus and control panel interface (Part No. 789862.10).



Special colors on request!

For the maintenance of the ES Detect detectors, the programming software tools 8000 from version V1.24 in combination with the red EOL-I (part number 808626) is required.

In order to pass through existing wires, the WAGO grips (e.g., type 243-204 (Ø 0.5-1 mm) or 273/104 (0.75-2.5 mm²), can be integrated into the detector base.



Without detector base

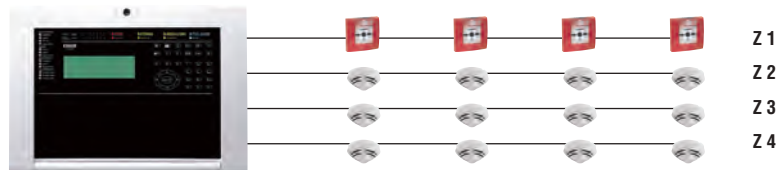
Accessories

767800 Assembly bracket

805590 Standard IQ8Quad detector base

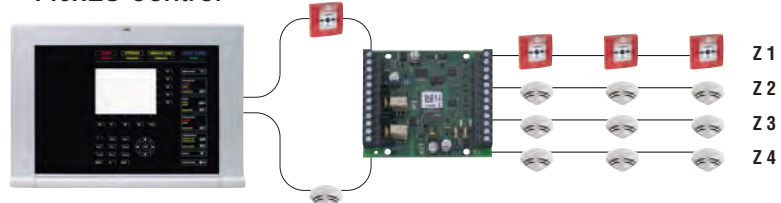
805591 Detector base with IQ8Quad relay contact

ES Line



Application - with ES Line conventional panel

FlexES Control



Application - Conventional connection with transponder @ FlexES Control addressable panel

800171

Fixed heat detector ES Detect



Approval: VdS

Automatic heat detector with fast semiconductor sensor for reliable detection of fires with distinctive heat. Fire detector with decentralized intelligence, automatic function self-test, alarm and operations data storage and alarm display. A remote indicator can also be connected.

Technical Data

Common technical data:

| | |
|----------------------------|---|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 9 V DC | 25 µA |
| Alarm current @ 9 V DC | 9 mA |
| Area to be monitored | 30 m² |
| Height to be monitored | 7.5 m |
| Air velocity | 0 m/s ... 25.4 m/s |
| Application temperature | -20 °C ... 50 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 with base, up to IP 43 with base and option |
| Color | white, similar to RAL 9010 |
| Weight | approx. 110 g |
| Dimensions | Ø: 117 mm H: 49 mm (62 mm incl. detector base) |



Special marking for heat detector on the light pipe: black ring

800177

Fixed heat detector ES Detect, Class B (T +65 °C)



Approval: VdS

As 800171, however, for increased response temperature according to EN 54-5 class B.

Technical Data

Common technical data:

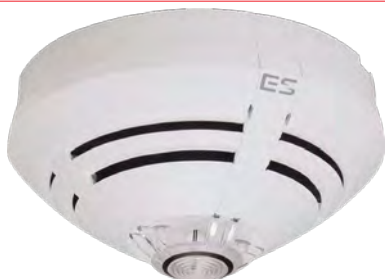
| | |
|----------------------------|---|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 9 V DC | 25 µA |
| Alarm current @ 9 V DC | 9 mA |
| Area to be monitored | 30 m² |
| Height to be monitored | 6 m |
| Air velocity | 0 m/s ... 25.4 m/s |
| Application temperature | -20 °C ... 65 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 with base, up to IP 43 with base and option |
| Color | white, similar to RAL 9010 |
| Weight | approx. 110 g |
| Dimensions | Ø: 117 mm H: 49 mm (62 mm incl. detector base) |



Special marking for heat detector on the light pipe: black ring

800271

Rate-of-rise detector ES Detect



Approval: VdS

Automatic heat detector with fast semiconductor sensor for reliable detection of fires with rapid temperature rise and integrated maximum value function for the recognition of fires with slow temperature rises. Fire detector with decentralized intelligence, automatic function self-test, alarm and operations data storage and alarm display. A remote indicator can also be connected.

Technical Data

Common technical data:

| | |
|----------------------------|---|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 9 V DC | 25 µA |
| Alarm current @ 9 V DC | 9 mA |
| Area to be monitored | 30 m² |
| Height to be monitored | 7.5 m |
| Air velocity | 0 m/s ... 25.4 m/s |
| Application temperature | -20 °C ... 50 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 with base, up to IP 43 with base and option |
| Color | white, similar to RAL 9010 |
| Weight | approx. 110 g |
| Dimensions | Ø: 117 mm H: 49 mm (62 mm incl. detector base) |



Special marking for heat detector on the light pipe: black ring

800371

Optical smoke detector ES Detect**Approval: VdS**

Scattered-light smoke detector for reliable early detection of fires. Fire detector with decentralized intelligence, automatic function self-test, automatic environmental adaptation, alarm and operating data storage and alarm display.

A remote indicator can also be connected.

Technical Data**Common technical data:**

| | |
|----------------------------|---|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 9 V DC | 30 µA |
| Alarm current @ 9 V DC | 9 mA |
| Area to be monitored | 110 m² |
| Height to be monitored | 12 m |
| Air velocity | 0 m/s ... 25.4 m/s |
| Application temperature | -20 °C ... 72 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 with base, up to IP 43 with base and option |
| Color | white, similar to RAL 9010 |
| Weight | approx. 110 g |
| Dimensions | Ø: 117 mm H: 49 mm (62 mm incl. detector base) |

800375

OT^{blue} multisensor detector ES Detect**Approval: VdS**

Multisensor detector with integrated optical smoke and heat sensor. The optical measurement chamber is equipped with a novel sensor (contains a blue LED transmitter) which allows the detection of open fires, smoldering fires and fires with high heat.

The classical ionization detector is replaced by these detection methods, especially in open fires.

This detector is also capable of detecting test fires TF1 and TF6 described in the EN 54-9:1982.

The OTblue multisensor is a fire detector with temporal signal analysis, weighted combination of sensor data, decentralized intelligence, automatic function self-test, automatic environmental adaptation, alarm and operating data storage and alarm display.

A remote indicator can also be connected.

Technical Data**Common technical data:**

| | |
|----------------------------|---|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 9 V DC | 35 µA |
| Alarm current @ 9 V DC | 9 mA |
| Area to be monitored | 110 m² |
| Height to be monitored | 12 m |
| Air velocity | 0 m/s ... 25.4 m/s |
| Application temperature | -20 °C ... 50 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 with base, up to IP 43 with base and option |
| Color | white, similar to RAL 9010 |
| Weight | approx. 110 g |
| Dimensions | Ø: 117 mm H: 49 mm (62 mm incl. detector base) |

800374

O²T multisensor detector ES Detect**Approval: VdS**

Multisensor detector with two integrated optical smoke sensors with different scattered light angles as well as additional heat detector sensor evaluation for detecting anything from smoldering fires to open fires with uniform response characteristics. Compares smoke sensor signals for smoke classification and reduction of false alarms from water vapor or dust, for example. Due to its excellent detection properties, the detector is also capable recognizing test fires TF1 and TF6 described in the standard. The O²T multisensor detector is also suitable for higher application temperatures of up to +65° C.

A remote indicator can also be connected.

Technical Data**Common technical data:**

| | |
|----------------------------|---|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 9 V DC | 45 µA |
| Alarm current @ 9 V DC | 9 mA |
| Area to be monitored | 110 m ² |
| Height to be monitored | 12 m |
| Air velocity | 0 m/s ... 25.4 m/s |
| Application temperature | -20 °C ... 65 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 with base, up to IP 43 with base and option |
| Color | white, similar to RAL 9010 |
| Weight | approx. 110 g |
| Dimensions | Ø: 117 mm H: 49 mm (62 mm incl. detector base) |

800361.10

Optical Smoke Detector ES Detect with relay contact, 48 V DC operation

The threshold value detector with relay contact 800361.10 for object monitoring, comprises an optical smoke detector 800371 from the ES Detect Series and a detector base 805592 which enables a direct connection to a 48 V DC power supply. The detector therefore does not need to be operated in connection with a fire alarm control panel.

If the detector detects a fire alarm, a floating relay contact activates to transmit the alarm. The relay contact is normally closed (NC) by default, but can also be configured as normally open (NO) with a solder strap on the circuit board base.

The smoke detector of Series ES Detect used in the detector base can be reset manually or automatically by a short interruption (4 seconds) of the detector voltage.

A typical use for this detector is to monitor mobile communication stations, e.g. BTS base transceiver stations.

Take note, the detector base with relay output for ES Detect 805592 is included in the scope of delivery!

Technical Data**Common technical data:**

| | |
|-------------------------|---|
| Operating voltage | 42 ... 58 V DC |
| Quiescent current | approx. 0.051 mA |
| Alarm current @ 9 V DC | 9 mA |
| Area to be monitored | 110 m ² |
| Height to be monitored | 12 m |
| Air velocity | 0 m/s ... 25.4 m/s |
| Application temperature | -20 °C ... 72 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % (non-condensing) |
| Type of protection | IP 40 with base, up to IP 43 with base and option |
| Color | white, similar to RAL 9010 |
| Weight | approx. 110 g (approx. 190 g incl. base) |
| Dimensions | Ø: 117 mm H: 49 mm (incl. base 62 mm) |



Replacement for Part No. 761306

The detector Part No. 800361.10 can be ordered only in the grid of 5 pieces (eg. 5, 10, 15, 20 etc.)

805592

Detector base with relay output for ES Detect 48 V DC operation

Detector base with relay contact output, for ES Detect detector family. Suitable for 48 V DC operation.

Contact: floating normally open or normally closed, selectable via coding strap, factory setting: normally closed (NC).

The smoke detector of Series ES Detect used in the detector base can be reset manually or automatically by a short interruption (4 seconds) of the detector voltage.

A typical use for this base with ES Detect detector is to monitor mobile communication stations.

Technical Data**Common technical data:**

| | |
|-------------------------|---|
| Operating voltage | 42 ... 58 V DC |
| Alarm current @ 9 V DC | 9 mA |
| Connection terminal | Ø 0,6 mm ... 2 mm ² |
| Air velocity | 0 m/s ... 25.4 m/s |
| Application temperature | -20 °C ... 72 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % (non-condensing) |
| Color | white, similar to RAL 9010 |
| Weight | approx. 80 g |
| Cable entry | side or through the base plate |
| Dimensions | Ø: 117 mm H: 24 mm (incl. detector 62 mm) |



Cable entry on the side or bottom plate.

For looping existing wires, for example, the type 243-204 WAGO terminals (Ø 0.5 mm Ø 1.0 mm) or 273 to 104 (0.75 mm-2.5 mm) are used.

Not for use with IQ8Quad detectors!

Not for use in esserbus and powered loop ringbus!

Contained in Part No. 800361.10

Replacement for Part No. 781582

Automatic intelligent fire detectors with high reliability and low power consumption used for premises and items of property with medium and high concentration of valuable assets

Detector Series IQ8Quad features, system advantages

- Designed for optimal operation on System 8000, IQ8Control and FlexES Control fire alarm systems
- With multisensor fire detectors for the detection of all types of fires, even under the most difficult operating conditions and with 360° LED visibility in Alarm
- Detector with and without loop isolators

Different options of installation

- Wiring in loop and spur combination
- Maximum number of detectors with cable lengths of up to 3,500 m with installation cable for fire detection, e.g. cables I-Y(St)Yn x 2 x 0.8 mm
- Up to 127 detectors and detector zones per loop installation
- Free wiring of display and control elements through software function assignment
- Up to 32 detectors per zone

Easy commissioning

- Automatic and interactive detector addressing
- Fixed address assignment of detector location, even after detectors have been replaced or added
- Localization of wire breaks and short circuits on loop
- Detector-LED used as alarm indicator and as an indicator for detectors in service
- Adaptation to changing operating conditions
- Dedicated LED for indicating operation (green LED)
- Disconnection of individual detectors, detector zones and detection areas
- Disconnection of individual sensors or several sensors at once within a multisensor fire detector; either manually or depending on programmed time of the day

Automatic adaptation to varying environmental conditions

- Compensation of changing levels of air pressure, humidity, smoke concentration according to the double chamber principle
- Electronic compensation also called drift-compensation of long-term influences like aging or pollution

Reliable detection

- Constant alarm sensitivity of multisensor fire detector for all types of fire
- Large signal to noise ratio due to the special design of the sensors and the electronics to suppress electromagnetic interference
- With built-in insect screen and sealed against rear air flow entry

Reliable false alarm suppression

- High immunity against false alarms by means of timed evaluation of different sensor criteria
- Signal patterns not typical for fires are eliminated by using special filter algorithms
- Automatic self-monitoring of detector electronics
- Continuous loop monitoring even during short-circuits through isolating the relevant segment
- Automatic monitoring of all sensors to guarantee operational capacity and correct condition

Increased operating reliability

- Short-circuit and wire break tolerant through monitoring from both ends of the loop
- Alarm decision inside detector
- Fail-safe circuit activated if communication fails

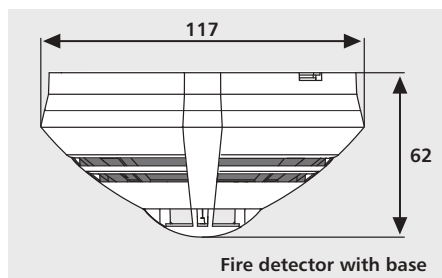
Maintenance

- Automatic maintenance request
- Heat detector identification through a black circle on the light transmission plate
- Multisensor gas detector identification through a golden ring on the light transmission plate
- Operating time-, alarm- and fault counter in each detector
- Automatic, cyclic loop check
- Complete status interrogation from the control panel
- Interrogation of operating data from all detectors on loop via standard service PC and detector interface

Comprehensive range of accessories

- Standard detector base, base with relay and wireless base available
- Base adapter for ceiling mounting
- Dust cover for fire detector or detector base
- Kit for suspended ceiling mounting

Detectors w/o Integrated Alarm Devices



The new IQ8Quad detector generation not only combines state-of-the-art detection technology in a single unit but also sets new standards in terms of safety and effectiveness.



Special colors on demand

The detectors Part No. 802271, 803271, 802371, 803371, 802373, 802374 and 803374 are approved in the scope of the DIBt system authorization for the operation with an Automatic Door System.

To determine the battery capacity of a fire alarm panel, the detector data "Quiescent current @ BMZ battery" can be added.

In order to pass through existing wires, the WAGO grips, e. g. type 243-204 (Ø 0.5-1 mm) or 273/104 (0.75-2.5 mm²) can be integrated into the detector base. Please use only for commissioning/maintenance of fire detectors from SW version V2.42R006 the programming software tools 8000 from version V1.05.

Accessories

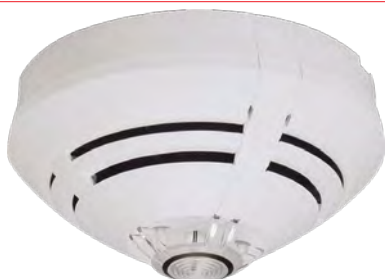
767800 Mounting bracket

805590 Standard detector base for IQ8Quad

805591 Detector base with relay contact for IQ8Quad

802171

Fixed heat detector IQ8Quad with isolator



Approval: VdS, BOSEC

Automatic heat detector with a single thermistor to sense the air temperature around the detector. Fast semiconductor sensor guarantees reliable detection of fires with strong heat generation. Ideal for sensing in environments that are dirty or smoky under normal conditions, as well it is unaffected by wind or atmospheric pressure. Intelligent fire detector with decentralized intelligence, automatic function self-test, CPU failure mode, alarm and operating data memory, alarm indicator, soft-addressing and operating indication.

The detector is provided with an integrated isolator. A remote indicator can be connected.

Technical Data

Common technical data:

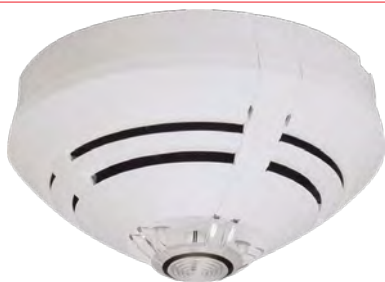
| | |
|---|---|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 40 µA |
| Quiescent current @ FACP battery | approx. 220 µA |
| Alarm current w/o communication curtain | 18 mA |
| Area to be monitored | 30 m ² |
| Height to be monitored | 7.5 m |
| Air velocity | 0 m/s ... 25.4 m/s |
| Application temperature | -20 °C ... 50 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 with base, up to IP 43 with base and option |
| Material | ABS plastic |
| Color | white, similar to RAL 9010 |
| Weight | approx. 110 g |
| Detector specification | EN 54 - 5 A1S / -17 |
| Dimensions | Ø: 117 mm H: 49 mm (62 mm incl. base) |
| Declaration of Performance | DoP-20102130701 |



Special marking for heat detector on the light pipe: black ring.

802177

Fixed heat detector IQ8Quad , Class B (T +65 °C), with isolator

**Approval: VdS**

Same as 802171, but for increased operating temperature according to EN 54-5 class B.

Technical Data**Common technical data:**

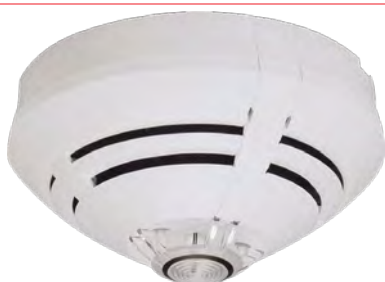
| | |
|---|---|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 40 µA |
| Quiescent current @ FACP battery | approx. 220 µA |
| Alarm current w/o communication curtain | 18 mA |
| Area to be monitored | 30 m² |
| Height to be monitored | 6 m |
| Air velocity | 0 m/s ... 25.4 m/s |
| Application temperature | -20 °C ... 65 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 with base, up to IP 43 with base and option |
| Material | ABS plastic |
| Color | white, similar to RAL 9010 |
| Weight | approx. 110 g |
| Detector specification | EN 54-5 BS / -17 |
| Dimensions | Ø: 117 mm H: 49 mm (62 mm incl. base) |
| Declaration of Performance | DoP-20411130701 |



Special marking for heat detector on the light pipe: black ring.

803171

Fixed heat detector IQ8Quad without isolator (T -30 °C)

**Approval: VdS**

As 802171, but without loop isolator and suitable for use in greater temperature range up to -30°C.

Technical Data**Common technical data:**

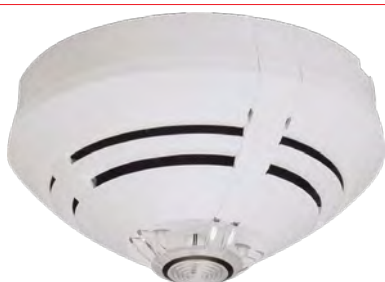
| | |
|----------------------------------|---|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current | approx. 0.22 mA |
| Quiescent current @ 19 V DC | 40 µA |
| Quiescent current @ FACP battery | approx. 220 µA |
| Area to be monitored | 30 m² |
| Height to be monitored | 7.5 m |
| Application temperature | -30 °C ... 50 °C |
| Type of protection | IP 40 with base, up to IP 43 with base and option |
| Declaration of Performance | DoP-20928130701 |



Special labeling for heat detector on the light pipe: black ring

802271

Rate-of-rise heat detector IQ8Quad with isolator

**Approval: VdS, BOSEC**

Automatic heat detector with a single thermistor to sense the air temperature around the detector. Fast semiconductor sensor guarantees reliable detection of fires with rapidly rising temperatures and integrated fixed temperature function for the detection of fires with slowly rising temperatures. Ideal for sensing in environments that are dirty or smoky under normal conditions, as well it is unaffected by wind or atmospheric pressure. Intelligent fire detector with decentralized intelligence, automatic function self-test, CPU failure mode, alarm and operating data memory, alarm indicator, soft-addressing and operating indication.

The detector is provided with an integrated isolator. A remote indicator can be connected.

Technical Data**Common technical data:**

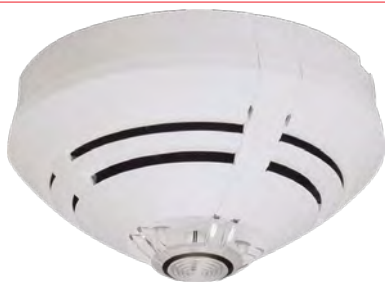
| | |
|---|---|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 40 µA |
| Quiescent current @ FACP battery | approx. 220 µA |
| Alarm current w/o communication curtain | 18 mA |
| Area to be monitored | 30 m² |
| Height to be monitored | 7.5 m |
| Air velocity | 0 m/s ... 25.4 m/s |
| Application temperature | -20 °C ... 50 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 with base, up to IP 43 with base and option |
| Material | ABS plastic |
| Color | white, similar to RAL 9010 |
| Weight | approx. 110 g |
| Dimensions | Ø: 117 mm H: 49 mm (62 mm incl. base) |
| Declaration of Performance | DoP-20103130701 |



Special marking for heat detector on the light pipe: black ring.

803271

Rate-of-rise heat detector IQ8Quad without isolator

**Approval: VdS**

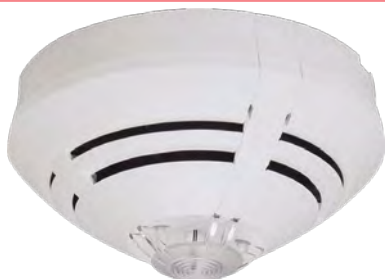
Same as 802271, but without loop isolator.

Technical Data**Common technical data:**

| | |
|---|---|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 40 µA |
| Alarm current w/o communication curtain | 18 mA |
| Area to be monitored | 30 m ² |
| Height to be monitored | 7.5 m |
| Air velocity | 0 m/s ... 25.4 m/s |
| Application temperature | -20 °C ... 50 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 with base, up to IP 43 with base and option |
| Material | ABS plastic |
| Color | white, similar to RAL 9010 |
| Weight | approx. 110 g |
| Dimensions | Ø: 117 mm H: 49 mm (62 mm incl. base) |
| Declaration of Performance | DoP-20930130701 |

802371

Optical smoke detector IQ8Quad with isolator

**Approval: VdS, BOSEC**

Optical smoke detector which works using the light scatter principle to guarantee safe and early detection of fire. Responds well to slow-burning, smouldering fires. Intelligent fire detector with decentralized intelligence, automatic function self-test, CPU failure mode, alarm and operating data memory, alarm indicator, soft-addressing and operating indication. The detector is provided with an integrated isolator. A remote indicator can be connected.

Technical Data**Common technical data:**

| | |
|---|---|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 50 µA |
| Quiescent current @ FACP battery | approx. 280 µA |
| Alarm current w/o communication curtain | 18 mA |
| Area to be monitored | 110 m ² |
| Height to be monitored | 12 m |
| Air velocity | 0 m/s ... 25.4 m/s |
| Application temperature | -20 °C ... 72 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 with base, up to IP 43 with base and option |
| Material | ABS plastic |
| Color | white, similar to RAL 9010 |
| Weight | approx. 110 g |
| Detector specification | EN 54-7 / -17 |
| Dimensions | Ø: 117 mm H: 49 mm (62 mm incl. base) |
| Declaration of Performance | DoP-20104130701 |

803371

Optical smoke detector IQ8Quad without isolator

**Approval: VdS**

Same as 802371, but without loop isolator.

Technical Data**Common technical data:**

| | |
|---|---|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 50 µA |
| Alarm current w/o communication curtain | 18 mA |
| Area to be monitored | 110 m ² |
| Height to be monitored | 12 m |
| Air velocity | 0 m/s ... 25.4 m/s |
| Application temperature | -20 °C ... 72 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 with base, up to IP 43 with base and option |
| Material | ABS plastic |
| Color | white, similar to RAL 9010 |
| Weight | approx. 110 g |
| Detector specification | EN 54-7 |
| Dimensions | Ø: 117 mm H: 49 mm (62 mm incl. base) |
| Declaration of Performance | DoP-20931130701 |

802375

OT^{blue} multisensor fire detector IQ8Quad with isolator**Approval: VdS**

Multisensor fire detector with integrated optical sensor and heat sensor with enhanced false alarm management. The optical measurement chamber is provided with a patented developed sensor technology using a high-sensitive blue LED (instead of the commonly used red LED in Optical smoke detectors), enabling the detection of open fires, smoldering fires and fires with high heat generation. Especially for open fires, the classical ionization technology implemented in ionization detectors is replaced by the unique detection technology, unlike ionization detectors, this sensor works without a radioactive element which causes problems at the time of refuse disposal. The detector is capable of identifying the TF1 and TF6 test fires described in the EN 54-9:1982 specification. Well suited for sensitive environment, detection of invisible up to large aerosols. The OT^{blue} multisensor is an intelligent detector with time-related signal analysis, signal correlation of the sensor data, decentralized intelligence, automatic function self-test, CPU failure mode, automatic adaptation to environmental conditions, alarm and operating data memory, alarm indicator and soft-addressing.

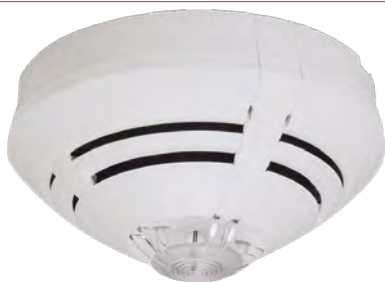
The detector is provided with an integrated isolator and a remote indicator can be connected.

Technical Data**Common technical data:**

| | |
|---|---|
| Operating voltage | 9 ... 42 V DC |
| Quiescent current @ 19 V DC | 50 µA |
| Quiescent current @ FACP battery | approx. 280 µA |
| Alarm current w/o communication curtain | 18 mA |
| Area to be monitored | 110 m ² |
| Height to be monitored | 12 m |
| Air velocity | 0 m/s ... 25.4 m/s |
| Application temperature | -20 °C ... 50 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 with base, up to IP 43 with base and option |
| Material | ABS plastic |
| Color | white, similar to RAL 9010 |
| Weight | approx. 110 g |
| Detector specification | EN 54-7/-5 A2 /-17, CEA 4021 |
| Dimensions | Ø: 117 mm H: 49 mm (62 mm incl. base) |
| Declaration of Performance | DoP-2011130701 |

802373

OT multisensor fire detector IQ8Quad with isolator

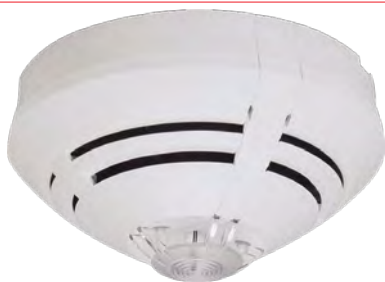
**Approval: VdS**

Multisensor fire detector with integrated optical sensor and heat sensor which give both a combined signal as well as a separate heat signal for improved false alarm management, with time-controlled signal analysis and weighted data combination of both detector functions for detecting smoldering fires and fires with extreme heat generation. Intelligent detector with decentralized intelligence, self-function test, CPU redundancy mode, automatic adaptation to the environments, alarm and operating data storage, alarm indication and soft addressing. The loop isolator is integrated in the detector. A remote indicator is additionally attachable.

Technical Data**Common technical data:**

| | |
|---|---|
| Operating voltage | 9 ... 42 V DC |
| Quiescent current @ 19 V DC | 50 µA |
| Quiescent current @ FACP battery | approx. 280 µA |
| Alarm current w/o communication curtain | 18 mA |
| Area to be monitored | 110 m ² |
| Height to be monitored | 12 m |
| Air velocity | 0 m/s ... 25.4 m/s |
| Application temperature | -20 °C ... 50 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 with base, up to IP 43 with base and option |
| Material | ABS plastic |
| Color | white, similar to RAL 9010 |
| Weight | approx. 110 g |
| Detector specification | EN 54-7/-5 A2 /-17, CEA 4021 |
| Dimensions | Ø: 117 mm H: 49 mm (62 mm incl. base) |
| Declaration of Performance | DoP-20111130701 |

802374

O²T multisensor fire detector IQ8Quad with isolator**Approval: VdS, BOSEC**

Multisensor fire detector using patented dual angle optical scatter as well as additional heat detector sensor evaluation to guarantee the detection of different types of fire from smoldering fires to open fires with constant sensitivity level. Smoke sensor signal identification to ensure smoke classification and reduction of false alarms caused by interferences, for instance, water vapor or dust. Used when early and reliable fire detection is requested. Because of its excellent detection characteristics and enhanced false alarm management, the detector is also able to identify the standardized TF1 and TF6 test fires. The O²T multisensor fire detector is also suitable for applications with higher temperatures of up to +65 °C. The detector is provided with an integrated isolator. A remote indicator can be connected.

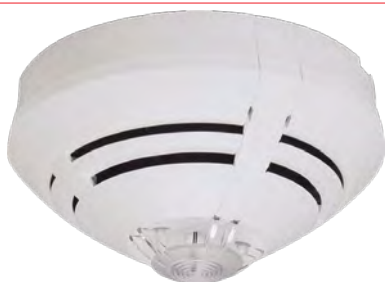
With VdS approved parameter settings for special applications:

- Water/oil/haze
- Garage
- Hall
- Clean room
- High application temperature (~ 80°C)
- Hotel room
- User defined

Technical Data**Common technical data:**

| | |
|---|---|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 60 µA |
| Quiescent current @ FACP battery | approx. 330 µA |
| Alarm current w/o communication curtain | 18 mA |
| Area to be monitored | 110 m ² |
| Height to be monitored | 12 m |
| Air velocity | 0 m/s ... 25.4 m/s |
| Application temperature | -20 °C ... 65 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 with base, up to IP 43 with base and option |
| Material | ABS plastic |
| Color | white, similar to RAL 9010 |
| Weight | approx. 110 g |
| Detector specification | EN 54-7/-5 B/-17, CEA 4021 |
| Dimensions | Ø: 117 mm H: 49 mm (62 mm incl. base) |
| Declaration of Performance | DoP-20105130701 |

803374

O²T multisensor fire detector IQ8Quad without isolator**Approval: VdS, CNBOP**

Same as 802374, but without loop isolator.

Technical Data**Common technical data:**

| | |
|---|---|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 60 µA |
| Alarm current w/o communication curtain | 18 mA |
| Area to be monitored | 110 m ² |
| Height to be monitored | 12 m |
| Air velocity | 0 m/s ... 25.4 m/s |
| Application temperature | -20 °C ... 65 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 with base, up to IP 43 with base and option |
| Material | ABS plastic |
| Color | white, similar to RAL 9010 |
| Weight | approx. 110 g |
| Detector specification | EN 54-7/-5 B, CEA 4021 |
| Dimensions | Ø: 117 mm H: 49 mm (62 mm incl. base) |
| Declaration of Performance | DoP-20319130701 |

802473

OTG multisensor fire detector (CO) IQ8Quad with isolator

**Approval: VdS**

Multisensor fire detector with integrated smoke detector, heat detector and gas sensor (CO) with enhanced false alarm management, for preventive and early detection of deep-seated smouldering fires which give a lot of CO as well as flaming fires through combined evaluation of scattered light, temperature and gas. An alarm is actuated at carbon monoxide (CO) concentration levels that are life-threatening for humans. Less susceptible to false alarms caused by dust, as well as earliest and reliable detection of fire development due to the additional detection of CO. Also a Technical Alarm (TAL) can be programmed with the flexible programmable CO threshold up to 150 ppm. The detector is provided with an integrated isolator. A remote indicator can be connected.

Technical Data**Common technical data:**

| | |
|---|---|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 65 µA |
| Quiescent current @ FACP battery | approx. 225 µA approx. 360 µA |
| Alarm current w/o communication curtain | 18 mA |
| CO pre-alarm | 75 ppm |
| CO alarm | 100 ppm |
| Area to be monitored | 110 m ² |
| Height to be monitored | 12 m |
| Air velocity | 0 m/s ... 25.4 m/s |
| Application temperature | -20 °C ... 50 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 with base, up to IP 43 with base and option |
| Material | ABS plastic |
| Color | white, similar to RAL 9010 |
| Weight | approx. 110 g |
| Detector specification | EN 54-7/-5 A2 /-17, CEA 4021 |
| Dimensions | Ø: 117 mm H: 49 mm (62 mm incl. base) |
| Declaration of Performance | DoP-20115130701 |



In the course of installation, we recommend testing the integrated CO sensor with our CO test gas (Part No. 805583) or CO capsule (Part No. 805553).

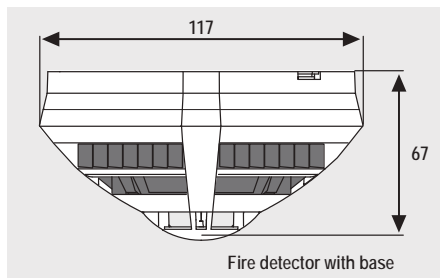
Durability CO sensor: 5 years

Technical alarm range CO: 10 ppm ... 150 ppm

Gas sensors (CO) mainly react to the carbon monoxide arising from a fire (CO). They have, however, also a cross sensitivity to other gases, as for example hydrogen (H₂), acetylene (C₂H₂) or nitric oxide (NO).

Special marking for gas detector on the light pipe: golden ring.

Detector with Integrated Alarm Devices



The IQ8Quad smoke detectors with integrated alarm devices provides up to four different functionalities depending on the type:

- Fire detection as per EN 54-7
- Integrated heat sensor as per EN 54-5
- Optical alarm via flasher
- Acoustic alarm via sounder as per EN 54-3
- Acoustic alarm via speech messages as per EN 54-3

Detection

The optical smoke detector or O²T multisensor detector.

The O²T detector has two integrated optical smoke sensors with different scattered light angles as well as additional thermal sensor evaluation for the detection of smoldering fires up to open fires with consistent response performance. Comparison of smoke sensor signals for smoke classification and reduction of false alarms, for example by steam or dust. The isolator is integrated in the detector.

Alarm signaling

The alarm signaling device is activated from the FACP by using a control output.

No further short address needs to be allocated. It is programmed with tools 8000 from version 1.05 or higher.

Alarm tone / speech message programming

For detectors with speech message and/or alarm tone function with up to five language options, up to 4 signals can be programmed. Two signals are reserved for alarm signaling and evacuation in the case of fire. Two further signals can be programmed for other events. For example, it is possible to program 1 DIN tone (in accordance with DIN33404) combined with subsequent speech messages in 3 different languages.

Alarm tones can be chosen from a table with various international tone types. For application in schools, a break signal to signify the breaks between class can be activated.

When the basic setting is selected, signals / signal components can be continuously repeated until the signaling function is interrupted by the FACP. They can also be programmed with a repetition rate of one to three times. Thus, the break signal in schools can be deliberately set to only one repetition. In the same way, the total signal can be set to continuous repetition, with the DIN tone being played only once while subsequent speech messages are played up to three times.

Sound pressure programming

The sound level [dB (A)] can be set to eight levels, from approximately 64 dB (A) to approximately 92 dB (A).



All IQ8Quad detectors with built-in alarm devices and IQ8Alarm Plus can only be operated on the powered loop. For physical reasons, an increased sound level leads to a higher current consumption rate of the alarm device and the corresponding load factor must be considered when calculating the maximum number on the loop. Altogether up to 127 bus devices per loop can still be connected.

Please consider that extra training is required when dealing with IQ8Quad with a built-in alarm device IQ8Alarm Plus. The training includes installation planning and commissioning techniques. For further information take a look at our training brochure. Information concerning the calculation can be found in the "Project Planning Support" chapter.






Further data can be viewed in the accessories section for automatic detectors. For calculating the battery capacity of FACP, the detector data "quiescent current @ FACP battery" can be added.

Special colors on demand!



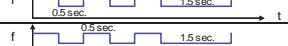
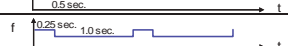
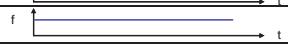









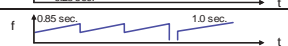
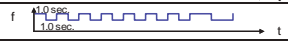



Accessories

767800 Mounting bracket

805590 Standard detector base for IQ8Quad

| Country code acc. to ISO 3166 -Alpha-2 | Language code acc. to ISO 639-1 | Evacuation 1 | Evacuation 2 | Alarm | Test-message | All-Clear |
|---|---------------------------------|--|---|--|--|---|
|  Germany (DE) | de | Dies ist ein Feueralarm. Bitte verlassen Sie das Gebäude umgehend über die nächsten Fluchtwege. Die Feuerwehr ist alarmiert. | Achtung, Achtung! Dies ist eine Gefahrmeldung. Bitte verlassen Sie das Gebäude über die nächsten Ausgänge. | Achtung, im Gebäude ist eine Gefahrensituation gemeldet worden. Bitte bleiben Sie ruhig, und warten Sie auf weitere Anweisungen. | Dies ist eine Testdurchsage. | Die Gefahrensituation ist jetzt behoben. Wir entschuldigen uns für jegliche Unannehmlichkeiten. |
|  Great Britain (GB) | en | This is a fire alarm. Please leave the building immediately by the nearest available exit. | Attention please. This is an emergency. Please leave the building by the nearest available exit. | An incident has been reported in the building. Please await further instructions. | This is a test message. No action is required. | The emergency is now cancelled. We apologize for any inconvenience. |
|  France (FR) | fr | Ceci est une alarme incendie, veuillez évacuer immédiatement les locaux par la sortie la plus proche. | Votre attention s'il vous plaît, ceci est une alarme. Veuillez évacuer les locaux par la sortie la plus proche. | Un incident est signalé dans le bâtiment. Merci de garder votre calme et attendez les prochaines instructions. | Ceci est un test. | L'alarme est à présent annulée. Veuillez nous excuser pour le désagrément. |
|  Spain (ES) | es | Esto es una alarma de incendio. Abandonen por favor el edificio inmediatamente por la salida de evacuación más cercana. | Atención. Esto es una emergencia. Por favor abandonen el edificio por la salida de evacuación más cercana. | Atención, se ha reportado un incidente en el edificio. Aguarden por favor otras instrucciones. | Esto es un mensaje de prueba. No se requiere ninguna acción. | La emergencia ha sido cancelada. Pedimos disculpas por las molestias causadas. |
|  Italy (IT) | it | Attenzione. Allarme incendio. Abbandonare l'edificio tramite l'uscita di emergenza più vicina. | Attenzione. Allarme in corso. Vi preghiamo di recarvi presso l'uscita di emergenza più vicina. | Attenzione. E' stato rilevato un allarme. Ulteriori disposizioni vi verranno comunicate appena possibile. | Attenzione. E' in corso una prova di allarme. Non è richiesta alcuna azione. | Attenzione. Cessato allarme. La situazione di normalità è stata ripristinata. |

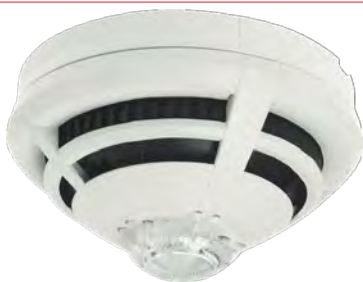
Standard speech messages of IQ8Quad detectors and IQ8Alarm Plus - for other languages also refer to the appendix!

| No. | Description | Frequency | Pulse rate |
|-----|---------------------------------|---|--|
| 1 | School bell | complex | complex |
| 2 | FP 1063.1 Telecoms BS 5839 Pt1 | Alternating 800 / 970 Hz at 2 Hz |  |
| 3 | BS 5839 Pt1 | Alternating 800 / 970 Hz at 1 Hz |  |
| 4 | BS 5839 Pt1 | Intermittent 970 Hz at 1 Hz 0.5 sec. |  |
| 5 | BS 5839 Pt1 | Intermittent 2850 Hz at 1 Hz 0.5 sec. |  |
| 6 | BS 5839 Pt1 | Intermittent 970 Hz 1/4 sec. ON - 1 sec. OFF |  |
| 7 | BS 5839 Pt1 | Continuous 970 Hz |  |
| 8 | BS 5839 Pt1 | Sweep tone 800 Hz tp 970 Hz at 7 Hz |  |
| 9 | BS 5839 Pt1 | Sweep tone 800 Hz to 970 Hz at 1 Hz |  |
| 10 | DIN Tone DIN 33404 Part 3 | 1200 - 500 Hz at 1 Hz |  |
| 11 | French fire sound | 554 Hz / 100 ms + 440 Hz / 400 ms + 10 % |  |
| 12 | NL - Slow Whoop | 500 Hz - 1200 Hz at 3.5 sec. break of 0.5 sec. |  |
| 13 | US - Horn | Continuous 485 Hz |  |
| 14 | US - Horn with Temporal Pattern | Intermittent 485 Hz (0.5 sec. ON; 0.5 sec. OFF; 3 times; 1.5 sec. OFF; Repeat) |  |
| 15 | US - March Time | Alternating 485 Hz (0.25 sec. ON; 0.25 sec. OFF; Repeat) |  |
| 16 | US - Slow Whoop | Sweep tone 500 Hz to 1200 Hz (4.0 sec. ON; 0.5 sec. OFF; Repeat) |  |
| 17 | US - Siren | Sweep tone 600 Hz to 1200 Hz (1.0 sec. ON; Repeat) |  |
| 18 | US - Hi/Lo | Alternating 100 Hz / 800 Hz (0.25 sec. ON; Alternate; 0.25 sec. ON; Alternate; Repeat) |  |
| 19 | US - NFPA Whoop | Sweep tone 422 Hz to 775 Hz (upwards sweep 0.85 sec.; 3 times; 1 sec. OFF; Repeat) |  |
| 20 | IMO GA-Signal | Intermittent 800 Hz (1.0 sec. ON; 1.0 sec. OFF; 7 times; 2.0 sec. ON; 2.0 sec. OFF; Repeat) |  |

IQ8Quad detectors and IQ8Alarm Plus tone table

802382

O/So optical smoke detector IQ8Quad with isolator



Features

Detection

- The reliable sensor principle for consistent response performance at the highest level of security against false alarms

Sounder

- Loop powered - no need for external power supply
- Individual control of the sounder
- Tones can be used for other purposes in addition to warning of fire, making the device ideal for use in schools (school bell) etc.
- Soft start option, ideal for hospitals and nursing homes
- No additional short address
- Automatic synchronization of various IQ8Quad alarm signaling devices
- Maximum sound level: 92 dB (A) at 1 m
- Maximum sound pressure can be set
- Multiple signal components can be combined to one signal template
- Signal template and repetition rates can be set
- Up to 26 different languages are available
- 20 different signal tones, incl. DIN-tone
- Low power consumption

Approval: VdS

O/So optical smoke detector IQ8Quad with integrated sounder

Scatter smoke detector for safe and early detection of smoldering fires with light smoke generation. Intelligent detector with decentralized intelligence, automatic function self-test, CPU failure mode, alarm and operating data memory, alarm indicator, soft-addressing and operating indication. The detector is provided with a loop isolator.

Along with smoke detection components, the detector is provided with a built-in sounder.

Technical Data

| | |
|----------------------------------|---|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 50 µA |
| Quiescent current @ FACP battery | approx. 320 µA |
| Load factor | 2 |
| Area to be monitored | 110 m² |
| Height to be monitored | 12 m |
| Air velocity | 0 m/s ... 25.4 m/s |
| Application temperature | -20 °C ... 65 °C |
| Ambient temperature | 0 °C ... 50 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 43 (with base + options) |
| Material | ABS plastic |
| Color | white, similar to RAL 9010 |
| Weight | approx. 145 g |
| Dimensions | Ø: 117 mm H: 59 mm Ø: 117 mm H: 67 mm (incl. base) |
| Declaration of Performance | DoP-20242130701 |



Not suitable for application in detector base Part No. 805591!

802384

O²T/So multisensor fire detector IQ8Quad with isolator**Features****Detection**

- The reliable O²T multisensor principle for consistent response performance at the highest level of security against false alarms
- Individual control of the sounder

Sounder

- Loop powered - no need for external power supply
- No additional short address
- Automatic synchronization of various IQ8Quad alarm signaling devices
- Maximum sound level: 92 dB (A) at 1 m
- Maximum sound pressure can be set
- Multiple signal components can be combined to one signal template
- Signal template and repetition rates can be set
- Up to 26 different languages are available
- 20 different signal tones, incl. DIN-tone
- Low power consumption

Approval: VdS**O²T/So multisensor fire detector IQ8Quad with integrated sounder**

In addition to smoke detection with the conventional O²T multisensor technology, the detector is provided with a built-in alarm signaling device. The sound level can be set to eight different levels.

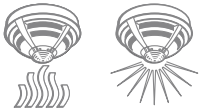
Technical Data

| | |
|----------------------------------|---|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 80 µA |
| Quiescent current @ FACP battery | approx. 450 µA |
| Load factor | 2 |
| Area to be monitored | 110 m ² |
| Height to be monitored | 12 m |
| Air velocity | 0 m/s ... 25.4 m/s |
| Application temperature | -20 °C ... 65 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 with base, up to IP 43 with accessory |
| Material | ABS plastic |
| Color | white, similar to RAL 9010 |
| Weight | approx. 145 g |
| Dimensions | Ø: 117 mm H: 59 mm Ø: 117 mm H: 67 mm (incl. base) |
| Declaration of Performance | DoP-20192130701 |



Not suitable for application in detector base Part No. 805591!

802383

O²T/F multisensor fire detector IQ8Quad with isolator

Features

Detection

- The reliable O²T multisensor principle for consistent response performance at the highest level of security against false alarms
- Individual control of the beacon

Flash lamp

- Loop powered - no need for external power supply
- No additional short address
- Automatic synchronization of various IQ8Quad alarm signaling devices
- High flash energy

Approval: VdS

O²T/F multisensor fire detector IQ8Quad with integrated flasher

In addition to smoke detection with the conventional O²T multisensor technology, the detector is provided with a built-in flash lamp.

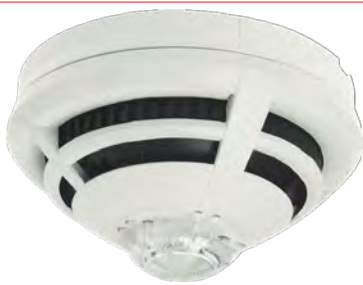
Technical Data

| | |
|----------------------------------|---|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 75 µA |
| Quiescent current @ FACP battery | approx. 400 µA |
| Alarm current | 10 mA ... 20 mA |
| Load factor | 2 |
| Lighting energy | approx. 3 Y |
| Luminous intensity | max. 15.8 cd peak / 2.63 cd effective |
| Signal flashing lamp | red |
| Area to be monitored | 110 m ² |
| Height to be monitored | 12 m |
| Air velocity | 0 m/s ... 25.4 m/s |
| Application temperature | -20 °C ... 65 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP43 (with base + options) |
| Material | ABS plastic |
| Color | white, similar to RAL 9010 |
| Weight | approx. 145 g |
| Dimensions | Ø: 117 mm H: 59 mm Ø: 117 mm H: 67 mm (incl. base) |
| Declaration of Performance | DoP-20193130701 |



Not suitable for application in detector base Part No. 805591!

802386

O²T/Sp multisensor fire detector IQ8Quad with isolator

Features

Detection

- The reliable O²T multisensor principle for consistent response performance at the highest level of security against false alarms

Sounder

- Loop powered - no need for external power supply
- Individual control of the sounder
- Tones can be used for other purposes in addition to warning of fire, making the device ideal for use in schools (school bell) etc.
- Soft start option, ideal for hospitals and nursing homes
- No additional short address
- Automatic synchronization of various IQ8Quad alarm signaling devices
- Maximum sound level: 92 dB (A) at 1 m
- Maximum sound pressure can be set
- Multiple signal components can be combined to one signal template
- Signal template and repetition rates can be set
- 20 different signal tones, incl. DIN-tone
- Low power consumption

Speech message with sounder

- Loop powered - no need for external power supply
- No additional short address
- Automatic synchronization of various IQ8Quad alarm signaling devices
- Maximum sound level: 92 dB (A) at 1 m
- Maximum sound pressure can be set
- Multiple signal patterns can be combined to one signal
- Signal pattern and repetition rates can be set
- 20 different signal tones, incl. DIN-tone
- Speech messages can be played in up to 5 languages
- 5 alarm messages per languages are preprogrammed
- Up to 26 different languages are available

Approval: VdS

O²T/Sp multisensor fire detector IQ8Quad with integrated sounder and speech

In addition to smoke detection with conventional O²T multisensor technology, the detector is provided with a built-in voice alarm device. It can be set to eight different levels.

Technical Data

| | |
|----------------------------------|---|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 90 µA |
| Quiescent current @ FACP battery | approx. 500 µA |
| Load factor | 3 |
| Area to be monitored | 110 m ² |
| Height to be monitored | 12 m |
| Air velocity | 0 m/s ... 25.4 m/s |
| Application temperature | -20 °C ... 65 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP43 (with base + options) |
| Material | ABS plastic |
| Color | white, similar to RAL 9010 |
| Weight | approx. 145 g |
| Dimensions | Ø: 117 mm H: 59 mm Ø: 117 mm H: 67 mm (incl. base) |
| Declaration of Performance | DoP-20192130701 |



Not suitable for application in detector base Part No. 805591!



Programmed with 5 languages: German, English, Spanish, French and Italian

802386.SV98

O²T/Sp multisensor fire detector IQ8Quad with isolator, composed version**Approval: VdS**

Same as 802386, but special language. The maximum recording time per device is 169 seconds.

Technical Data

| | |
|--------------|-------------------------|
| Air humidity | < 95 % (non-condensing) |
|--------------|-------------------------|



When ordering, please note the "Order Information for Alarm Signaling Devices IQ8Quad and IQ8Alarm Plus" and fill in the order form "Order Form for IQ8 Composed Languages (xy. SV98)" printed in the appendix.

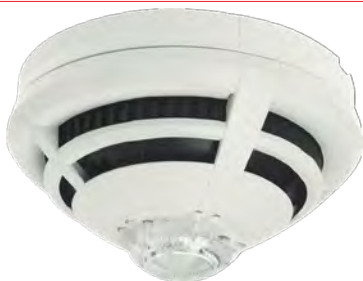
Cancellations or returns are not possible.

Not suitable for application in detector base Part No. 805591!



Programmed with an individual combination of up to 5 languages.

802386.SV99

O²T/Sp multisensor fire detector IQ8Quad with isolator, customized version**Approval: VdS**

Same as 802386, but customized version. The maximum recording time per device is 169 seconds.

Technical Data

| | |
|--------------|-------------------------|
| Air humidity | < 95 % (non-condensing) |
|--------------|-------------------------|



When ordering, please note the "Order Information for Alarm Signaling Devices IQ8Quad and IQ8Alarm Plus" and fill in the order form "Order Form for IQ8 Customized Languages (xy. SV99)" printed in the appendix. Service and costs for recording studio upon request.

Cancellations or returns are not possible.

Not suitable for application in detector base Part No. 805591!



Programmed according to customer specifications.

802386.BR

O²T/Sp multisensor fire detector IQ8Quad with isolator, Brazil**Approval: VdS****O²T/Sp multisensor fire detector IQ8Quad with integrated sounder and speech**

In addition to smoke detection with conventional O²T multisensor technology, the detector is provided with a built-in voice alarm device. It can be set to eight different levels.

Technical Data

| | |
|----------------------------------|----------------|
| Quiescent current @ 19 V DC | 90 µA |
| Quiescent current @ FACP battery | approx. 500 µA |
| Load factor | 3 |
| Air humidity | < 95 % |

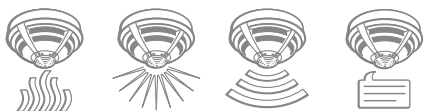
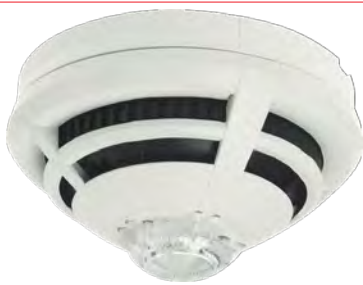


Not suitable for application in detector base Part No. 805591!



Programmed with 5 languages: Portuguese (Brazil), English, German, Spanish and French

802385

O²T/FSp multisensor fire detector IQ8Quad with isolator

Features

Detection

- The reliable O²T multisensor principle for consistent response performance at the highest level of security against false alarms

Flash lamp

- Loop powered - no need for external power supply
- No additional short address
- Automatic synchronization of various IQ8Quad alarm signaling devices
- High flash energy

Sounder

- Loop powered - no need for external power supply
- Individual control of the Sounder
- Tones can be used for other purposes in addition to warning of fire, making the device ideal for use in schools (school bell) etc.
- Soft start option, ideal for hospitals and nursing homes
- No additional short address
- Automatic synchronization of various IQ8Quad alarm signaling devices
- Maximum sound level: 92 dB (A) at 1 m
- Maximum sound pressure can be set
- Multiple signal components can be combined to one signal template
- Signal template and repetition rates can be set
- 20 different signal tones, incl. DIN-tone
- Low power consumption
- Speech message with sounder
- Loop powered - no need for external power supply
- No additional short address
- Automatic synchronization of various IQ8Quad alarm signaling devices
- Maximum sound level: 92 dB (A) at 1 m
- Maximum sound pressure can be set
- Multiple signal patterns can be combined to one signal
- Signal pattern and repetition rates can be set
- 20 different signal tones, incl. DIN-tone
- Speech messages can be played in up to 5 languages
- 5 alarm messages per languages are preprogrammed
- Up to 26 different languages are available

Approval: VdS

O²T/FSp multisensor IQ8Quad with integrated flasher, sounder and speech

In addition to smoke detection with the conventional O²T multisensor technology, the detector is provided with a built-in voice alarm device. It can be set to eight different levels.

Technical Data

| | |
|----------------------------------|---|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 90 µA |
| Quiescent current @ FACP battery | approx. 500 µA |
| Load factor | 3 |
| Lighting energy | approx. 3 Y |
| Luminous intensity | max. 15.8 cd peak / 2.63 cd effective |
| Signal flashing lamp | red |
| Area to be monitored | 110 m ² |
| Height to be monitored | 12 m |
| Air velocity | 0 m/s ... 25.4 m/s |
| Application temperature | -20 °C ... 65 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP43 (with base + options) |
| Material | ABS plastic |
| Color | white, similar to RAL 9010 |
| Weight | approx. 145 g |
| Specification | EN54-3 acoustic signaling device EN54-3 acoustic speech signaling device |
| Dimensions | Ø: 117 mm H: 59 mm Ø: 117 mm H: 67 mm (incl. base) |
| Declaration of Performance | DoP-20192130701 |

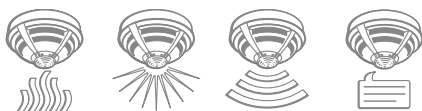


Not suitable for application in detector base Part No. 8055911



Programmed with 5 languages: German, English, Spanish, French and Italian

802385.SV98

O²T/FSp multisensor fire detector IQ8Quad with isolator, composed version**Approval: VdS****O²T/FSp multisensor fire detector IQ8Quad with integrated flasher, sounder and speech**

Same as 802385, but with an individual combination of up to 5 languages, see special order form in the appendix.

The maximum recording time per device is 169 seconds.

Technical Data

| | |
|----------------------------------|---|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 90 µA |
| Quiescent current @ FACP battery | approx. 500 µA |
| Load factor | 3 |
| Area to be monitored | 110 m ² |
| Height to be monitored | 12 m |
| Air velocity | 0 m/s ... 25.4 m/s |
| Application temperature | -20 °C ... 65 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP43 (with base + options) |
| Material | ABS plastic |
| Color | white, similar to RAL 9010 |
| Weight | approx. 145 g |
| Dimensions | Ø: 117 mm H: 59 mm Ø: 117 mm H: 67 mm (incl. base) |

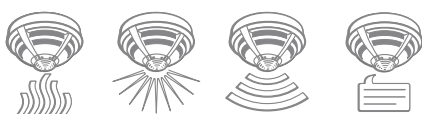
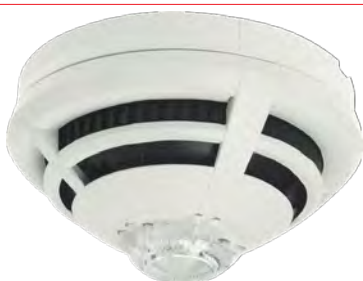


When ordering, please note the "Order Information for Alarm Signaling Devices IQ8Quad and IQ8Alarm Plus" and fill in the order form "Order Form for IQ8 Customized Languages (xy. SV99)" printed in the appendix. Service and costs for recording studio upon request. Cancellations or returns are not possible. Not suitable for application in detector base Part No. 805591!



Programmed with an individual combination of up to 5 languages

802385.SV99

O²T/FSp multisensor fire detector IQ8Quad with isolator, customized version**Approval: VdS****O²T/FSp multisensor fire detector IQ8Quad with integrated flasher, sounder and speech**

Same as 802385, but with individual text and/or sounds. The maximum recording time per device is 169 seconds.

Technical Data

| | |
|----------------------------------|---|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 90 µA |
| Quiescent current @ FACP battery | approx. 500 µA |
| Load factor | 3 |
| Area to be monitored | 110 m ² |
| Height to be monitored | 12 m |
| Air velocity | 0 m/s ... 25.4 m/s |
| Application temperature | -20 °C ... 65 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP43 (with base + options) |
| Material | ABS plastic |
| Color | white, similar to RAL 9010 |
| Weight | approx. 145 g |
| Dimensions | Ø: 117 mm H: 59 mm Ø: 117 mm H: 67 mm (incl. base) |



When ordering, please note the "Order Information for Alarm Signaling Devices IQ8Quad and IQ8Alarm Plus" and fill in the order form "Order Form for IQ8 Customized Languages (xy. SV99)" printed in the appendix. Service and costs for recording studio upon request. Cancellations or returns are not possible. Not suitable for application in detector base Part No. 805591!



Programmed according to customer specifications

802385.BR**O²T/FSp multisensor fire detector IQ8Quad with isolator, Brazil****Approval: VdS****O²T/FSp multisensor IQ8Quad with integrated flasher, sounder and speech**

In addition to smoke detection with the conventional O²T multisensor technology, the detector is provided with a built-in voice alarm device. It can be set to eight different levels.

Technical Data

| | |
|----------------------------------|---------------------------------------|
| Quiescent current @ 19 V DC | 90 µA |
| Quiescent current @ FACP battery | approx. 500 µA |
| Load factor | 3 |
| Lighting energy | approx. 3 Y |
| Luminous intensity | max. 15.8 cd peak / 2.63 cd effective |
| Signal flashing lamp | red |
| Air humidity | < 95 % |



Not suitable for application in detector base Part No. 805591!



Programmed with 5 standard languages Portuguese (Brazil), English, German, Spanish and French

802385.NO**O²T/FSp multisensor fire detector IQ8Quad with isolator, Nordic**

Same as 802385, but Nordic version.

Technical Data

| | |
|--------------|--------|
| Air humidity | < 95 % |
|--------------|--------|



Programmed with 5 languages: Norwegian, Swedish, Finnish, Danish and English

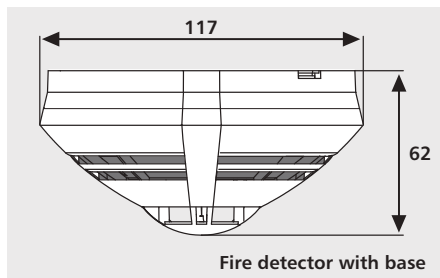
802385.SVRU**O²T/FSp multisensor fire detector IQ8Quad with isolator, Russia**

Same as 802385, but Russian version.



Programmed with 5 languages: Russian, English, German, French, Ukrainian

Series IQ8Quad Ex (i)



Fire detector with base


Technical Data

Data according to ATEX:

| | |
|---------------------------------------|---|
| Max. Input Voltage (U _i) | 21 V DC |
| Max. Input current (I _i) | 252 mA |
| Max. Output current (I _o) | 10 mA |
| Ambient temperature (T _a) | -20 °C ... 70 °C |
| EC-type examination certificate | TÜV 09 ATEX 554910 |
| Ex-category | II 2G (with Ex barrier Part No. 804744 or 764744) |

Common technical data:

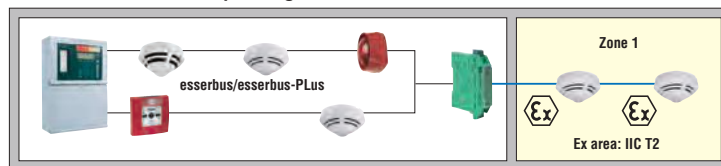
| | |
|------------------------|--|
| Operating voltage | 8 ... 42 V DC |
| Alarm current @ 9 V DC | 18 mA |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 with base, up to IP 43 incl. base + option |
| Material | ABS |
| Color | white, similar to RAL 9010 |
| Weight | approx. 110 g |
| Dimensions | Ø: 117 mm H: 49 mm (62 mm incl. base) |

 Intrinsically safe fire detection equipment is defined as "equipment and wiring which is incapable of releasing sufficient electrical or thermal energy under normal or abnormal conditions to cause ignition of a specific hazardous atmosphere mixture in its most easily ignited concentration". This basically means that intrinsically safe equipment and wiring operates using electrical and thermal energy below the level that would be required to spark an explosion in a hazardous area such as an oil refinery, Oil Rigs/Platforms, FPSO's. Fully addressable devices for installation in hazardous areas with direct connection of the Ex barrier (Part No. 804744) on the loop, without spending a loop address for the connection via a transponder as in case of the conventional connection. Additional detectors for the explosion zones can be found in the chapters manual call points and special detectors. Detailed information about installation and operation can be found in the documentation (Part No. 798920) on our website. All of the following IQ8Quad intrinsically safe fire detectors must be operated with the Part No. 805590 base, except for FM approved IQ8Quad intrinsically safe fire detectors, they must be operated with the Part No. 805590.IN. In the case of operation in standard zones, no individual addressing is possible! For usage in zone 1 and zone 2 in case of operation

- with individual addressing the Ex barrier Part No. 804744,
- in conventional zones the Ex barrier Part No. 764744 must be used!

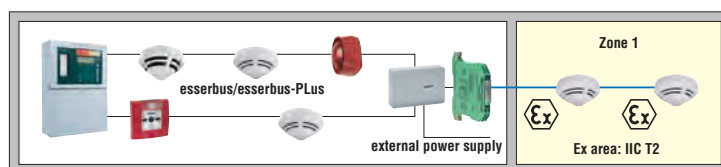
The Ex barrier separates intrinsically safe and non-intrinsically safe circuits before the explosion prone area to be monitored (explosion zone). To determine the battery capacity of a FACP, the detector data "Quiescent current @ FACP battery" can be added.

Individual addressable operating



Ex barrier (Part No. 804744)

Conventional operating



Ex barrier (Part No. 764744)

esserbuss transponder 4 zone / 2 relay

Application example

803271.EX

Rate-of-rise heat detector IQ8Quad Ex (i) w/o isolator

**Approval: VdS, ATEX**

Automatic heat detector with a single thermistor to sense the air temperature around the detector. The fast semiconductor sensor for the reliable recognition of fires with a single thermistor to sense the air temperature around the detector. The fast semiconductor quick rate of temperature rise as well as integrated fixed temperature heat function for the recognition of fires with slow temperature rise. Ideal for sensing in environments that are dirty or smoky under normal conditions, as well it is unaffected by wind or atmospheric pressure.

Intelligent fire detector with decentralized intelligence, automatic function self-test, emergency mode, storage of alarm and operating data, alarm display. Soft addressing and separate operational display is only possible when operating an esserbus / esserbus-PLus IQ8Quad detector without loop isolator, especially for usage in explosion zones. Operation with individual addressing at Ex barrier Part No. 804744 and as standard detector at Ex barrier Part No. 764744.

Technical Data

| | |
|-----------------------------|-------------------|
| Quiescent current @ 19 V DC | 40 µA |
| Area to be monitored | 30 m ² |
| Height to be monitored | 7.5 m |
| Application temperature | -20 °C ... 50 °C |
| Declaration of Performance | DoP-20913130701 |



Special marking for heat detector on light pipe: black ring

Accessories

805590 Standard detector base for IQ8Quad

803371.EX

Optical smoke detector IQ8Quad Ex (i) w/o isolator

**Approval: VdS, ATEX**

Scattered-light smoke detector for reliable early recognition of fires. Responds well to slow-burning, smouldering fires. Intelligent fire detector with decentralized intelligence, automatic function self-test, emergency mode, storage of alarm and operating data, alarm display. Soft addressing and separate operational display is only possible when operating an esserbus / esserbus-PLus IQ8Quad detector without loop isolator, especially for usage in explosion zones. Operation with individual addressing at Ex barrier Part No. 804744 and as standard detector at Ex barrier Part No. 764744.

Technical Data

| | |
|-----------------------------|--------------------|
| Quiescent current @ 19 V DC | 50 µA |
| Area to be monitored | 110 m ² |
| Height to be monitored | 12 m |
| Application temperature | -20 °C ... 70 °C |
| Declaration of Performance | DoP-20914130701 |

Accessories

805590 Standard detector base for IQ8Quad

803374.EX

O²T multisensor fire detector IQ8Quad Ex (i) w/o isolator**Approval: VdS, ATEX**

Intelligent detector with two integrated optical smoke sensors with different scattered-light angles as well as additional heat detector sensor evaluation for the recognition of smoldering fires up to open fires with uniform characteristics. Comparison of the heat sensor signals for smoke classification and reduction of false alarms by interferences, e.g. from steam or dust. Due to its excellent detection characteristics, and enhanced false alarm management, the detector is also able to recognize TF1 and TF6 test fires, described in the standards. The O²T intelligent detector is also suitable for a higher operating temperature of up to +65 °C. Used when early and reliable fire detection is requested. Intelligent fire detector with decentralized intelligence, automatic function self-test, emergency mode, storage of alarm and operating data, alarm display. Soft addressing and separate operational display is only possible when operating an esserbus / esserbus-PLus IQ8Quad detector without loop isolator, especially for usage in explosion zones. Operation with individual addressing at Ex barrier Part No. 804744 and as standard detector at Ex barrier Part No. 764744. Consider that the change of parameter settings for environmental adaption is reserved to the Non-Ex automatic detectors.

Technical Data

| | |
|-----------------------------|--------------------|
| Quiescent current @ 19 V DC | 60 µA |
| Area to be monitored | 110 m ² |
| Height to be monitored | 12 m |
| Application temperature | -20 °C ... 65 °C |
| Declaration of Performance | DoP-20915130701 |

Accessories

805590 Standard detector base for IQ8Quad

Accessories for IQ8Quad Ex (i)

764744

Ex barrier for intrinsically safe detectors Series IQ8Quad Ex (i) and 9100**Approval: VdS, FM, ATEX**

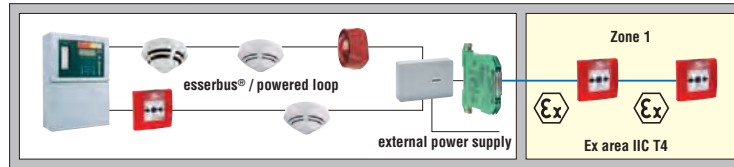
Ex-barrier type Z969 (071945) for conventional operation of intrinsically safe detectors from the IQ8Quad Ex (i) series in default groups in connection with the detector base 805590.

Technical Data

| | |
|--------------------------|--------------------------------|
| Ambient temperature (Ta) | -20 °C ... 60 °C |
| Air humidity | < 95 % |
| Dimensions | W: 12.5 mm H: 115 mm D: 110 mm |



A safety barrier does not replace an overvoltage protection according to IEC 801, DIN VDE 0185 and 0855. VdS approval is not required.

Conventional operating

Ex barrier (Part No. 764744)



esserbus transponder

Application example

804744



Features

- For operation of intrinsically safe detectors of the Series IQ8Quad Ex
- Individual addressing in conjunction with the detector base 805590
- Suitable for DIN rail mounting

Ex barrier for intrinsically safe detectors Series IQ8Quad Ex (i)

Approval: VdS, FM, ATEX

Ex-barrier type KFD0 CS EX1.56 (214912) for operation of intrinsically safe IQ8Quad Ex (i) directly on the esserbus / esserbus-Plus with individual addressing in connection with the detector base 805590.

Max. 4 Ex barriers per loop.

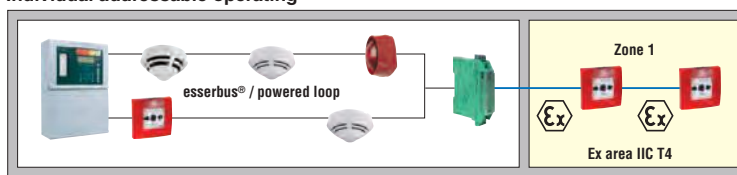
Technical Data

| | |
|---------------------|------------------------------|
| Ambient temperature | -20 °C ... 60 °C |
| Air humidity | < 95 % |
| Type of protection | IP 20 |
| Weight | approx. 100 g |
| Dimensions | W: 20 mm H: 107 mm D: 115 mm |



A safety barrier does not replace an overvoltage protection according to IEC 801, DIN VDE 0185 and 0855.

Individual addressable operating



Ex barrier (Part No. 804744)

Application example

764745

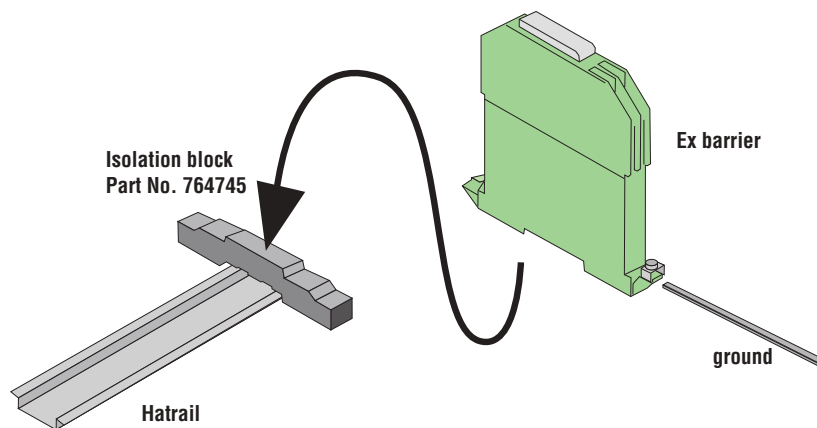


Isolation and assembly base for safety Ex barrier

For insulated (earth-free) mounting of Part No. 764744 Ex barrier onto standard hat rail.

Technical Data

| | |
|--------------|-------------------------|
| Air humidity | < 95 % (non-condensing) |
|--------------|-------------------------|

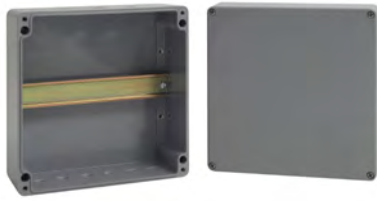


Ex barrier

ground

Isolation block
Part No. 764745

Hatrail

764752**Housing for Ex barrier****Features**

- Chemically resilient
- Temperature resilient
- Flame retardant
- Non-corrosive
- Sea water resistant
- Non-halogen, UV resistant

Polyester-housing for the installation of up to max. 10 Ex barriers with integrated inside mounting rail. Also for operational application under extreme environmental conditions suitable.

Technical Data

| | |
|--------------|----------------------------------|
| Air humidity | < 95 % (non-condensing) |
| Housing | glass-fiber reinforced polyester |
| Color | gray, similar to RAL 7000 |
| Dimensions | W: 255 mm H: 250 mm D: 160 mm |



Cable glands:

5 x M16 x 1.5, black with blue cap (Art.-Nr. 764754)

2 x M16 x 1.5, black with black cap

1 x M20 x 1.5, black with black cap

1 x M25 x 1.5, black with black cap

Plugs:

5 pcs for M16, 1 pcs for M20, 1 pcs for M25

764754**Cable gland for housing 764752**

Threaded cable connection for housing Part No. 764752.

Technical Data

| | |
|---------------------|---|
| Ambient temperature | -40 °C ... 75 °C |
| Air humidity | < 95 % (non-condensing) |
| Material | Polyamide |
| Color | blue, similar to RAL 9005 / black black, similar to RAL 9005 |

805590

Standard detector base for IQ8Quad and ES Detect



Features

- Ease of installation and a lot of space for wire connection
- Slide-easy base and elegant design with automatic closing of the loop bus wiring system for detector extraction
- Detector extraction locking is enclosed in the base
- One-way only fit

Technical Data

Common technical data:

| | |
|-------------------------|---|
| Connection terminal | Ø 0.6 mm to 2 mm ² |
| Application temperature | -20 °C ... 72 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % (non-condensing) |
| Material | ABS |
| Color | white, similar to RAL 9010 |
| Weight | approx. 60 g |
| Dimensions | Ø: 117 mm H: 24 mm (incl. detector 62 mm) |



Cable entry on the side or through the bottom plate.

Wago clamps for looping in wires, e.g. type 243-204 (Ø 0.5 mm - Ø 1.0 mm) or 273-104 (0.75 mm² - 2.5 mm²) can be mounted on the detector base.

Please contact your local sales representative for varnished detectors & bases and remote indicators!

805591

Detector base with relay contact for IQ8Quad



Features

- Provides a voltage-free contact controlled by the remote output of a detector
- Draws negligible current
- A lot of space for wire connection
- Automatic closing of the loop bus wiring system for detector extraction
- Detector extraction locking is enclosed in the base

IQ8Quad detector base with relay contact output. Contact: floating NO or NC contact selectable via jumper. Settings on site: NO contact.

Technical Data

Common technical data:

| | |
|-------------------------|---|
| Current consumption | 5 µA (w/o detector, active relay) |
| Connection terminal | Ø 0.6 mm to 2 mm ² |
| Application temperature | -20 °C ... 72 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % (non-condensing) |
| Material | ABS |
| Color | white, similar to RAL 9010 |
| Weight | approx. 80 g |
| Dimensions | Ø: 117 mm H: 24 mm (incl. detector 62 mm) |



Cable entry on the side or through the bottom plate. Connection of remote indicators not allowed!

Wago clamps for looping in wires, e.g. type 243-204 (Ø 0.5 mm - 1.0 mm) or 273-104 (0.75 mm² - 2.5 mm²) can be mounted on the detector base.

Not suitable for application with IQ8Quad with integrated alarm device Part No. 802383, 802384, 802385 and 802386 as well as 802385.SVxx and 802386.SVxx!

850054

NEW**Special painting IQ8Quad detector base**

The IQ8 detector base is painted and delivered according to the required RAL color. For identical colors, it is suggested to order a suitable number of additional pieces.

Recommendation: Please calculate a 10% spare quantity of the volume needed, as the devices can be

- damaged by transportation,
- damaged during installation or
- the end customer may need further quantities later (e.g. extension)

and the external service provider cannot guarantee to match the same color nuance again!



When ordering please specify:

- RAL code
 - Glossy, semi-matt, matt finishing
- Please note, cancellation and return is excluded.

850055

NEW**Special painting IQ8Quad detector**

Same as 850054 but for automatic detectors of the Series IQ8Quad.

850062

NEW**Surcharge non RAL coating**

Additional costs for non-RAL colors for Part Nos. 850054/850055/850060.
This Part No. must be ordered for each non-RAL color.

850063

NEW**Surcharge low quantity**

Additional costs if order quantity of Part Nos. 850054/850055/850060 is less than 20 pcs. per RAL color / non-RAL color.

Automatic Detectors

Customized Painting

Table of Suitable Components



| Part No. | Material Description | Product Type | Remark | Corresponding Part. No. Painting |
|-----------|---|------------------|--------------------------|----------------------------------|
| 781804 | Remote indicator for Series 9000/ES Detect, red lens | Remote Indicator | | 850060 |
| 781814 | Remote indicator for Series 9000/9200/IQ8Quad, red lens | Remote Indicator | | 850060 |
| 801824 | Remote indicator esserbus-PLus f. detector Series 9200/IQ8Quad, red lens | Remote Indicator | | 850060 |
| 801825 | Remote indicator esserbus-PLus f. detector Series 9200/IQ8Quad, blue lens | Remote Indicator | | 850060 |
| 805590 | Standard detector base for IQ8Quad and ES Detect | IQ8 Base | | 850054 |
| 805591 | Detector base with relay contact for IQ8Quad | IQ8 Base | | 850054 |
| 800171 | Fixed heat detector ES Detect | IQ8 Detector | | 850055 |
| 800177 | Fixed heat detector ES Detect, Class B (T +65 °C) | IQ8 Detector | | 850055 |
| 800271 | Rate-of-rise detector ES Detect | IQ8 Detector | | 850055 |
| 800371 | Optical smoke detector ES Detect | IQ8 Detector | | 850055 |
| 800374 | O ² T multisensor detector ES Detect | IQ8 Detector | | 850055 |
| 800375 | OTblue multisensor detector ES Detect | IQ8 Detector | | 850055 |
| 802171 | Fixed heat detector IQ8Quad with isolator | IQ8 Detector | | 850055 |
| 802177 | Fixed heat detector IQ8Quad, Class B (T +65 °C), with isolator | IQ8 Detector | | 850055 |
| 802271 | Rate-of-rise heat detector IQ8Quad with isolator | IQ8 Detector | | 850055 |
| 802371 | Optical smoke detector IQ8Quad with isolator | IQ8 Detector | | 850055 |
| 802373 | OT multisensor fire detector IQ8Quad with isolator | IQ8 Detector | | 850055 |
| 802374 | O ² T multisensor fire detector IQ8Quad with isolator | IQ8 Detector | | 850055 |
| 802375 | OTblue multisensor fire detector IQ8Quad with isolator | IQ8 Detector | | 850055 |
| 802382 | O/So optical smoke detector IQ8Quad with isolator | IQ8 Detector | | 850055 |
| 802383 | O ² T/F multisensor fire detector IQ8Quad with isolator | IQ8 Detector | | 850055 |
| 802384 | O ² T/So multisensor fire detector IQ8Quad with isolator | IQ8 Detector | | 850055 |
| 802385 | O ² T/F/Sp multisensor fire detector IQ8Quad with isolator | IQ8 Detector | | 850055 |
| 802386 | O ² T/Sp multisensor fire detector IQ8Quad with isolator | IQ8 Detector | | 850055 |
| 802473 | OTG multisensor fire detector (CO) IQ8Quad with isolator | IQ8 Detector | | 850055 |
| 803171 | Fixed heat detector IQ8Quad without isolator (T -30 °C) | IQ8 Detector | | 850055 |
| 803271 | Rate-of-rise heat detector IQ8Quad without isolator | IQ8 Detector | | 850055 |
| 803371 | Optical smoke detector IQ8Quad without isolator | IQ8 Detector | | 850055 |
| 803374 | O ² T multisensor fire detector IQ8Quad without isolator | IQ8 Detector | | 850055 |
| 805593.10 | IQ8Wireless detector base | IQ8Wireless | | 850060 |
| 805594.10 | IQ8Wireless gateway for devices | IQ8Wireless | | 850060 |
| 805595.10 | IQ8Wireless transponder for devices, wall mount | IQ8Wireless | Antennas aren't painted! | 850060 |
| 805602.10 | IQ8Wireless universal interface w/o cover, white | IQ8Wireless | | 850060 |
| 805603 | IQ8Wireless mounting frames for IQ8Alarm, red and white | IQ8Wireless | Only white frame! | 850060 |
| 805604 | IQ8Wireless mounting frame for IQ8Quad detectors, white | IQ8Wireless | | 850060 |
| 805605 | IQ8Wireless cover for wireless interface, red and white | IQ8Wireless | Only with 805602.10 | 850060 |

Accessories for Series IQ8Quad, ES Detect

805588

Detector cover for IQ8Quad w/o built-in alarm sounder



The cover plate protects the IQ8Quad detector against contamination during construction or renovation works.

Technical Data

Common technical data:

Air humidity < 95 % (non-condensing)



The detector covers can only be used for IQ8Quad fire detectors without built-in alarm sounder! Application only for detector types with Part No: 802171, 802271, 802371, 802374, 802375 and 802473.



50 pcs

805587

Base cover for IQ8Quad



The cover plate protects the IQ8Quad detector base against contamination during construction or renovation works.

Technical Data

Common technical data:

Air humidity < 95 % (non-condensing)



50 pcs

805589

Detector cover for IQ8Quad with built-in alarm sounder



The cover plate protects the IQ8Quad detector against contamination during construction or renovation works.

Technical Data

Common technical data:

Air humidity < 95 % (non-condensing)



The detector covers can only be used for IQ8Quad fire detectors with built-in alarm sounder! Application only for detector types with Part No: 802283, 802384, 802386 and 802385.



50 pcs

805571

Flush mount kit for base IQ8Quad



Adapter for installation in ceilings and for mounting the detector bases IQ8Quad (Part No. 805590 and 805591) to the bottom side of false ceilings.

Technical Data

Common technical data:

Application temperature

-20 °C ... 72 °C

Storage temperature

-25 °C ... 75 °C

Air humidity

< 95 %

Type of protection

IP 40

Material

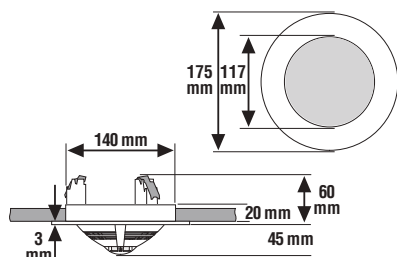
ABS, plastic

Color

white, similar to RAL 9010

Weight

approx. 165 g (with surface ring)



Application example

805574

4" trim ring and snap-in mounting clips for IQ8Quad detector base

Snap-in mounting clips and trim ring for base installation, e.g. for installation on 4" electrical boxes. Take note, the label plate Part No. 805576 is not applicable.

Technical Data**Common technical data:**

| | |
|--------------|---|
| Air humidity | < 95 % |
| Material | ABS plastic |
| Color | white, similar to RAL 9010 |
| Dimensions | Ø: 155 mm H: 19 mm (outside) Ø: 117 mm H: 19 mm (inside) |



1 x Trim ring and 2 x snap-in mounting clips



Application example

805576

Label plate for detector base IQ8Quad

Before or after the installation of the detector, the label plate can be inserted at the side slot of the IQ8Quad detector base.

Technical Data**Common technical data:**

| | |
|--------------|--------|
| Air humidity | < 95 % |
|--------------|--------|



For identification purposes the detector can be provided with the detector address and detector zone for ceilings with a maximum height of 3 m.
A label can be attached to the inscription field. Blank labels can be marked when using a PC, e.g. SIGEL Part No. LP725-white (58 x 18 mm) or other suppliers of writing materials.
There is a help file in the download area for creating the printing material.
Applicable for base 1x Part No. 805590/91 with 805570; for 805593.10, 805594.10.
Not to be used for base 1x Part No. 805590/91 in combination with 805571, 805572.50, 805573, 805574.



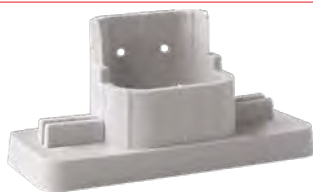
10 pcs



Application example

805577

Installation adapter for suspended ceilings



The mounting adapter is used for the quick and secure attachment of bases of the IQ8Quad detector series, 9x00, IQ8Alarm Plus and alarm signaling devices, parallel detector indicators, etc. to suspended ceiling systems. It saves the usage of special hollow cavity fasteners, since the mounting screws of the bases are screwed directly into the slots of the mounting adapter. The mounting adapter offers additional advantages in the fixing of the cables, rigid/flexible cable inlays and threaded cable connections.

Technical Data

Common technical data:

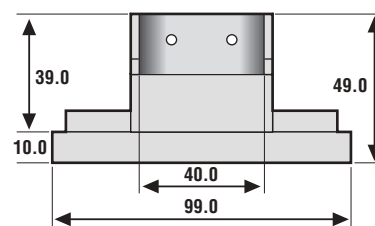
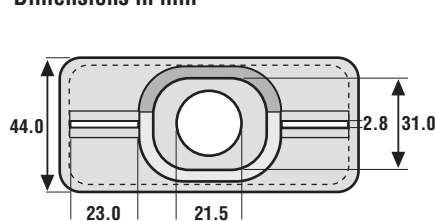
Air humidity
Color

< 95 %
white, similar to RAL 9001



10 pcs

Dimensions in mm



Application example



767800

Mounting bracket for lintel installation



Mounting bracket for all bases/detectors of the Series IQ8Quad, Series 9x00 and for IQ8Alarm Plus including all alarm devices.

The distance between the mounting holes is 6 cm and the diameter is about 5 mm. Detector side L x W 175 x 90 mm; Wall side H x W 65 x 90 mm.

Technical Data

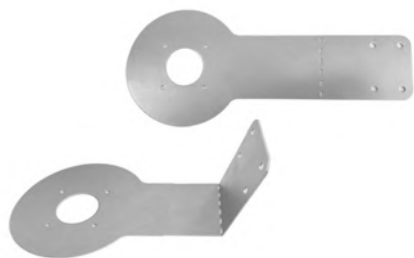
Air humidity
Material
Color
Dimensions

< 95 %
aluminum
white, similar to RAL 9010
W: 175 mm H: 90 mm D: 60 mm



Mounting bracket and installation material

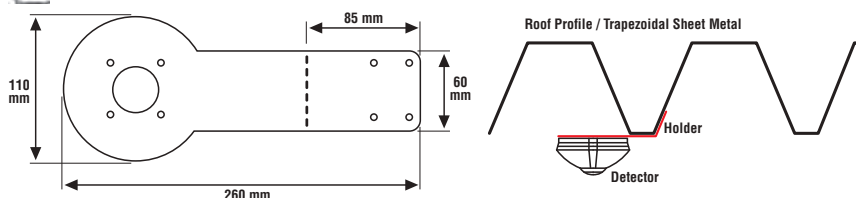
805579

NEW**Features**

- Variable adaptation to sloping ceilings
- Mounting on walls for vertical positioning the fire detector

Adjustable mounting bracket

Galvanized steel sheet angle with perforated bending line for tool-free cold forming and adaptation to sloping ceilings.
Predefined holes for 805590 or 805591 detector base mounting and four holes for ceiling or wall mounting.

 10 pieces


805570

IP 42 protection for detector base IQ8Quad, flat design

For installation in environments with dust and humidity. The IP protection protects the IQ8Quad detector base against dust and humidity. It increases the protection level to IP 42. For easy mounting to the base, the IP protection is provided with an adhesive film.

**Technical Data****Common technical data:**

| | |
|--------------|----------------------------|
| Air humidity | < 95 % (non-condensing) |
| Material | SBR/NR |
| Color | white, similar to RAL 9010 |
| Dimensions | Ø: 117 mm H: 3 mm |

 10 pcs

805573

IP 43 protection for detector base IQ8Quad, deep design

Same as 805570, but as universal protection. Additionally, the seal prevents humidity from entering at the sides.

**Technical Data****Common technical data:**

| | |
|--------------|----------------------------|
| Air humidity | < 95 % |
| Material | rubber |
| Color | white, similar to RAL 9010 |

 5 pcs

805572.50

IP 43 damp room base adapter for IQ8Quad, ES Detect detector base**Technical Data**

Common technical data:

Color

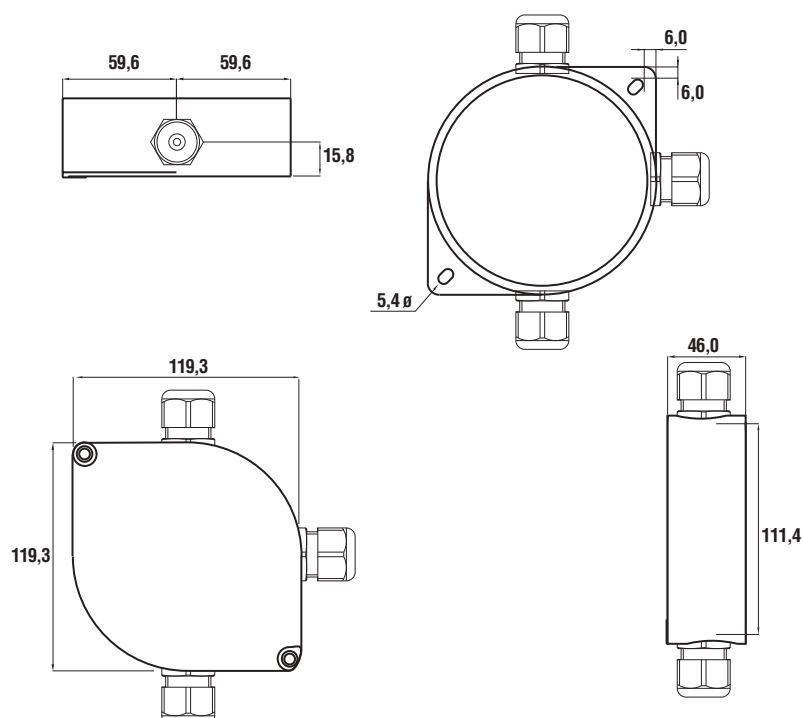
white, similar to RAL 9010



Please follow the installation instructions on the adapter!
Substitute for Part No. 805572

Accessories

805576 Label plate for detector base



Application example (labeling field and cable glands optional)

259529

NEW**Features**

- Raises the detector temperature by 15°C
- Heating element for use in cold areas or objects with large temperature fluctuations
- Fits both IQ8 and 9200 detector bases
- To be used with external thermostat or deep base

IQ8Quad detector heating element

Heating element for use in cold areas or objects with large temperature fluctuations. The element should be used in connection with a deep/weather proof base. The dimensions of the element allows it to be used with any base having 60 mm fixing distance. External thermostat must be used if the surrounding temperature can exceed 25°C. The power can be either AC or DC, but must not exceed 25 V.

Technical Data**Common technical data:**

| | |
|------------|----------------------------|
| Color | white, similar to RAL 9010 |
| Dimensions | H: 23 mm L: 68 mm |

805560

**EMC shield for IQ8Quad, ES Detect detector base**

In fire alarm systems where a high electromagnetic interference/EMI load (e.g. by fluorescent lamps or electrical control devices) must be expected it is recommended to mount the EMI-Module in the standard detector base (Part No. 805590) of the corresponding automatic fire alarm detectors.

Technical Data**Common technical data:**

| | |
|--------------|--------|
| Air humidity | < 95 % |
|--------------|--------|



The EMI-Module must only be operated in conjunction with standard detector base (without relay board) and only for detectors without integrated alarm devices (Part No. 802382 to 802386, incl. adapted variants).



10 pcs



Application example

781482

Kit for suspended installation



Kit for detector bases (Part No. 7845xx, 801593, 80559x) for suspended installation with pendulum stabilizer, cable entry at the top, pull relief by means of PG cable entry including junction box with terminals. The detector height can be adjusted individually depending on the cable length to bridge over the heat cushion below the ceiling.

Technical Data**Common technical data:**

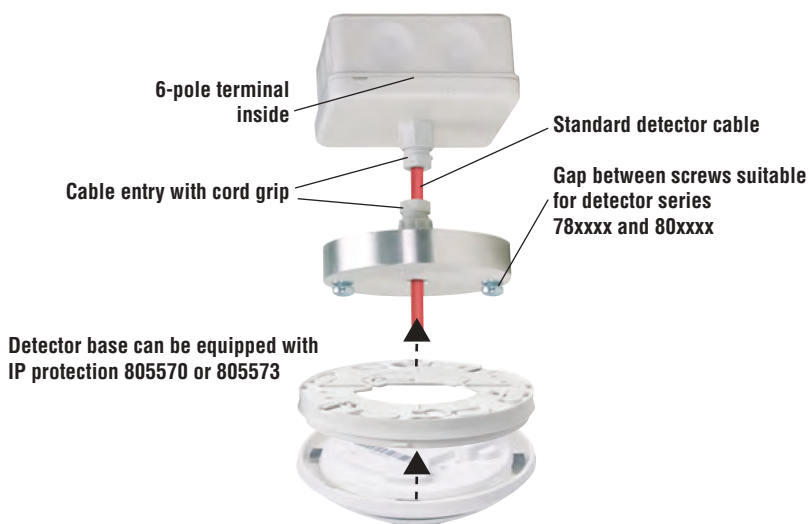
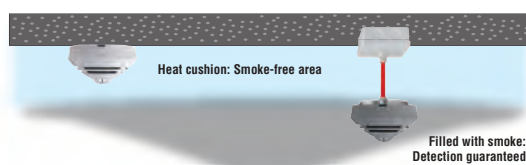
| | |
|--------------|---|
| Air humidity | < 95 % |
| Material | ABS plastic |
| Installation | attached to the zone cable |
| Color | white, similar to RAL 9010 |
| Dimensions | Ø: 84 mm H: 15 mm (aluminum-stabilizer) |



It is not possible to use telescopic rods.



As shown in the left picture



781550

Protective cage

Protective cage for detectors. Steel basket for protection from damage and also unauthorized disconnection of the detector.

Technical Data**Common technical data:**

Air humidity

< 95 %

Material

steel with paint coating

Color

white, similar to RAL 9010

Dimensions

Ø: 140 mm H: 115 mm

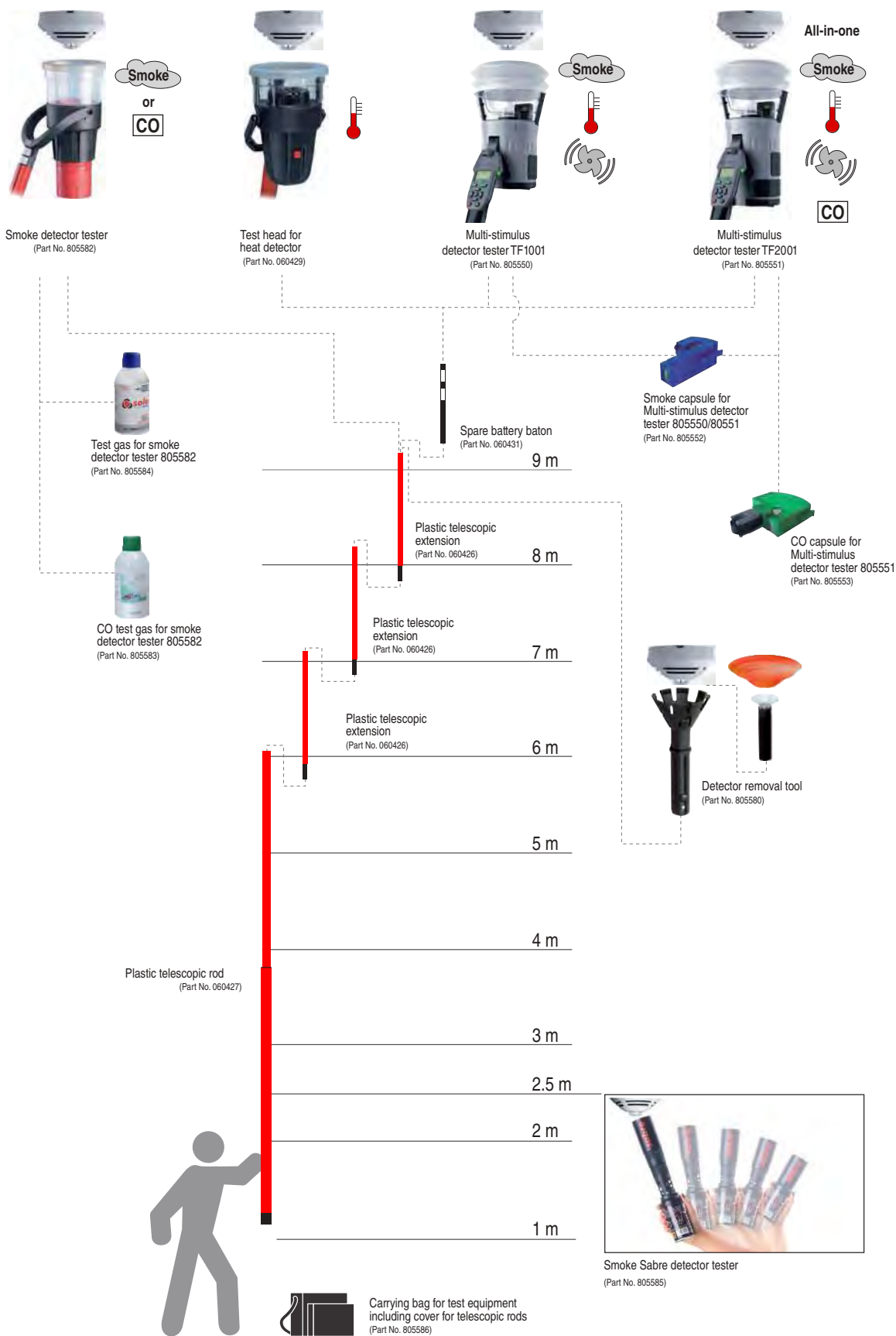


Can be used with all bases, IP43 moisture-proof adapter, remote indicators also for wireless base and wireless gateway.



Application example with IQ8Wireless detector base and IQ8Alarm Plus

Accessories for Several Detector Series



Test equipment for Several Detector Series

805580

Detector removal tool



It is suitable for removing Series 9x00 as well as IQ8Quad detectors. Through optional adaptation of the suction cup to the corresponding insert on the detector removal tool, the IQ8Quad detector covers (Part No. 805588 and 805589) and the base covers for IQ8Quad (Part No. 805587) can be attached as well as removed. The detector removal tool can be adapted to the telescope rod Part No. 060426 and 060427 as well as with Part No. 805581 to 769813.

Technical Data

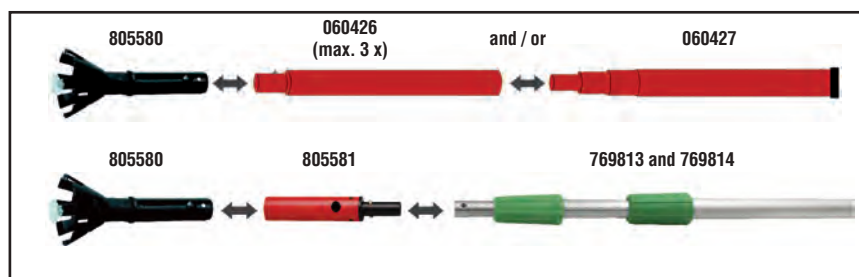
Common technical data:

Air humidity

< 95 %

Material

plastic / steel



Application example

805581

Adapter for pole 769813



The adapter for the pole (Part No. 769813) is designed for attaching the Part No. 805580 detector removal tool and the Part No. 805582 smoke detector tester.

Technical Data

Common technical data:

Air humidity

< 95 %

Material

plastic / aluminium

805586



Features

- Exterior lid with Velcro fastening transportation straps for telescopic rod and extensions
- Inside lid with 2 storage compartments for battery backs Part No. 060431.10
- Inside compartment with up to three optional dividers
- Big front pocket, with up to two optional dividers
- Wide shoulder strap with sliding shoulder pad and additional handles
- Cover with carrying strap for up to 4 telescopic rods Part No. 060427 and/or extensions 060426

Carrying bag for test equipment

The carrying bag has many pockets and compartments in which the ESSER smoke alarm testers, test gas bottles, all cables and other maintenance accessories can be stored. So everything you need for maintenance can always be found in one place. The upholstered, adjustable shoulder strap ensures very easy and comfortable transport. An additional advantage: the bag protects equipment from dirt and moisture.

Technical Data

Common technical data:

Air humidity

< 95 %

Dimensions

W: 480 mm H: 420 mm D: 260 mm (carrying bag)



1 x Carrying bag and 1 x cover for telescopic rods/extensions



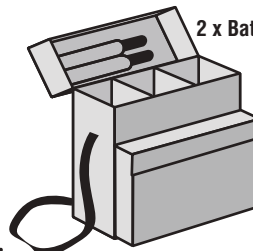
Capacity of the protective carrying bag:

3 x Smoke detector tester

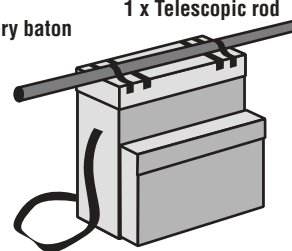


Front pocket for charger, test gas, etc.

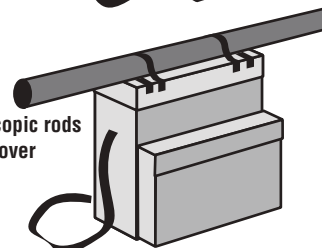
2 x Battery baton



1 x Telescopic rod



Up to 4 telescopic rods in a special cover



Capacity of the carrying bag

060427



Plastic telescopic rod

Extendable detector pull-down pole made of glass-fiber reinforced plastic for adapting the Part No. 805580 detector removal tool as well as testers with Part No. 060429 and 805582.

Technical Data

Common technical data:

Air humidity

< 95 %

Material

Fiberglass

Features

- Length of 1.26 m in retracted state
- 4 segments, lockable

060426

Plastic telescopic extension

Telescopic extension for plastic telescopic rod (Part No. 060427). Up to 3 telescopic extensions can be attached to the telescopic rod. The maximum height that can be reached is increased to 9 m.

**Technical Data****Common technical data:**

Air humidity
Material

< 95 %
Fiberglass

Features

- Easy aid for daily maintenance of high ceilings
- Stable construction
- Important for attaching and releasing detectors
- Extremely high level of flexural strength due to fiber-plastic composite material
- Totalock TM for easy and secure locking

1

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805551

Multi-stimulus detector tester TF 2001



Features

- Generation of smoke, heat and CO in a single test unit
- Clearing cycle of the detector via integrated ventilator for better reset
- Simultaneous or sequential testing with various stimuli
- Suitable for single and multi-criteria fire detectors
- Suitable for smoke-, heat- and gas- (CO) detectors
- Targeted heat rays provide fast activation of heat sensors (up to 90°C/194°F, and/or adjustable up to 100°C/212°F)
- Test activation via infrared barrier, no mechanical triggering, no ceiling contact necessary
- Easy, fast and efficient testing, as changing of testing device is not necessary
- Multilingual and user-friendly menu control: English, German, Spanish, French, Italian, Dutch, Swedish
- Battery operated portable device
- Environmentally friendly and safe through usage of test cartridges instead of test gas cans

Detector tester kit Testfire 2001 for the functional testing of point-type fire detectors with various sensors. The activating stimuli for smoke, heat and CO (carbon monoxide) are generated in this testing unit. Thus the changing of test tools for different types of detectors is no longer necessary. All fire detector types can be tested with only one test instrument. The test tool is suitable for all optical smoke detectors, ionization detectors, CO detectors and heat detectors. It facilitates fast and effective testing of single and intelligent multisensor fire detectors. So testing of the different sensors can be carried out one after another or for all at the same time.

The required stimuli are generated on demand at the time of test from the corresponding capsule (smoke or CO). Pressurized gas cans are no longer being used.

The selection of the testing stimuli, as well as their combination and sequence are menu driven via keypad and are represented on the display (multilingual). So e.g. simultaneous or sequential testing, or also a combination thereof, can be easily programmed and then carried out at the detector. The activation of the testing device occurs automatically, as soon as the detector interrupts the light barrier integrated in the device. If necessary, a clearing phase can be chosen between the specific testing criteria that enables the stimuli to be blown out of the detector immediately for the next test by the integrated ventilator.

The currently active criterion is represented by a multi-colored LED indicator and is clearly recognizable even from large distances. The fill-level of the respective test resource capsules can be shown in the display. Warnings are indicated automatically e.g. if a capsule is nearly empty. The capsules offer much higher test capacities in comparison with aerosol cans.

The power supply of the testing head occurs via Ni-MH batteries (metal hydride batteries) in the adapter between testing head and telescopic rod. Charging of the battery occurs with the charger optionally via adapter (100-230 V AC) or via 12 V DC input (vehicle cigarette lighter).

Suitable for IQ8Quad and 9x00 detector series.

Technical Data

Common technical data:

| | |
|---------------------|------------------|
| Battery charging | 75-90 minutes |
| Ambient temperature | 5 °C ... 45 °C |
| Storage temperature | -10 °C ... 50 °C |
| Air humidity | < 85 % |



Please consider the safety instructions for this device.



Detector tester kit Testfire 2001 consists of:
Testing head, smoke capsule, CO capsule, 2 Ni-MH battery packs, charger

Accessories

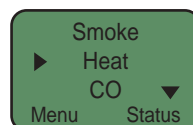
805552 Smoke capsule for multi-stimulus detector tester 805550/51

805553 CO capsule for multi-stimulus detector tester 805551 (Testfire TC3)

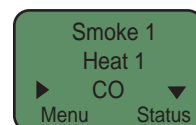
060426 Plastic telescopic extension

060427 Plastic telescopic rod

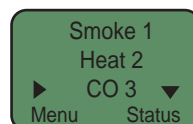
060431.10 Spare battery baton



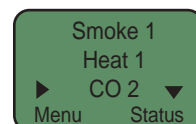
Example of testing with only one stimuli



Example of a simultaneous testing (smoke + heat at the same time)



Example of sequential testing (all criteria successively)



Example of combination of simultaneous and sequential testing

Selection of different test criteria displayed

805550



Features

- Creation of smoke and heat with one single test device
- Desmoking of detector via an integrated fan for fast resetting
- Simultaneous or successive testing with different activating materials
- Suitable for single and multi-criteria detectors
- Suitable for smoke and heat detectors
- Targeted heat radiation facilitates quick activation of the thermal sensors (up to 90°C/194°F and/or can be switched up to 100°C/212°F)
- Test activation through infrared barrier, no mechanical triggering, ceiling contact not necessary
- Quick, easy and efficient testing since there is no need to exchange test device
- Multilingual and user-friendly menu
- Portable battery-powered device
- Environmentally friendly and safe through usage of test cartridges instead of test gas cans

Multi-stimulus detector tester TF 1001

Same as 805551, but for testing of detectors with smoke and heat sensors. For testing CO consider multi-stimulus detector tester TF 2001 (Part No. 805551).

Technical Data

Common technical data:

| | |
|-------------------------|------------------|
| Battery charging | 75-90 minutes |
| Application temperature | 5 °C ... 45 °C |
| Storage temperature | -10 °C ... 50 °C |
| Air humidity | < 85 % |



Please see our website for latest edition of the safety data sheet.

Due to its nature, this article contains components classified as dangerous goods. Please clarify in advance with your forwarding agent if he accepts the transport of dangerous goods and if necessary observe the import regulations. The dangerous goods class for road transport or air transport is as follows:

UN-No. UN3496

ADR-Class 9



Detector tester kit TF 1001 consists of:

Testing head, smoke capsule, 2 Ni-MH battery packs, charger

Accessories

805552 Smoke capsule for multi-stimulus detector tester 805550/51

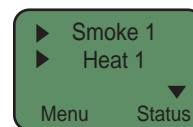
060426 Plastic telescopic extension

060427 Plastic telescopic rod

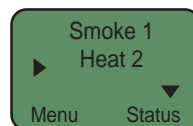
060431.10 Spare battery baton



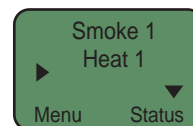
Example of testing with only one stimuli



Example of a simultaneous testing (smoke + heat at the same time)



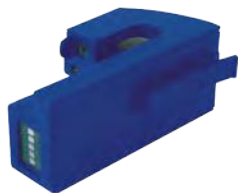
Example of sequential testing (all criteria successively)



Example of combination of simultaneous and sequential testing

Selection of different test criteria displayed

805552



Smoke capsule for multi-stimulus detector tester 805550/51

Replacement smoke capsule (Testfire TS3) for the testing of smoke detectors Series IQ8Quad and 9x00 with optical and/or ionization sensors. Suitable for the multi-stimulus detector tester Part No. 805550/51.

Technical Data

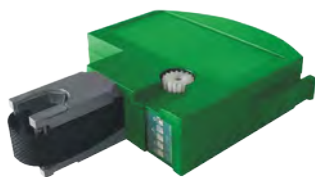
Common technical data:

| | |
|--------------|--------|
| Air humidity | < 95 % |
|--------------|--------|

Features

- Non-flammable, non-toxic materials
- Production of test gas only during the testing
- Does not cause any residue in the sensor chamber
- Suitable for optical and ionization detectors
- No test gas storage under pressure – no dangerous goods
- More productivity than the spray can

805553




Features

- Non-flammable CO activating material
- Generation of small amounts of CO
- Generation of CO during testing only
- No storing of pressurized CO - no dangerous goods
- More productivity than the spray can

CO capsule for multi-stimulus detector tester 805551

Replacement CO capsule (Testfire TC3) for the testing of detectors with carbon monoxide sensors (CO). Especially suited for the OTG multisensor fire detector (CO) IQ8Quad with isolator (Part No. 802473). Suitable for the multi-stimulus detector tester Part No. 805551.

-  The OTG multisensor fire detector (CO) IQ8Quad with isolator (Part No. 802473) is generally tested either
- with the test gas Part No. 060430.10, suitable for the smoke detector tester Part No. 805582, or
 - with Part No. 805552, suitable for the multi-stimulus detector tester Part No. 805551.
- The Part No. 802473 is VdS-approved as a smoke detector, the CO test gas is required for the additional triggering of the electrochemical CO gas cell.

805582




Smoke detector tester

The smoke detector tester is designed for electric function control for the IQ8Quad and Series 9x00 detectors. After an aerosol has been released, the operation capacity of the measuring chamber can be tested by using the transceiver. The smoke detector tester is adapted to the rod (Part No. 060427).

Technical Data

Common technical data:

| | |
|--------------|--------|
| Air humidity | < 95 % |
|--------------|--------|

-  The telescopic rod is not supplied as standard.

Accessories

- 060426 Plastic telescopic extension
060427 Plastic telescopic rod

805584




Test gas for smoke detector tester 805582

For all IQ8Quad, ES Detect and Series 9x00 detectors, suitable for smoke detector tester 805582.

Technical Data

Common technical data:

| | |
|---------|---------------------|
| Content | 250 ml (per bottle) |
|---------|---------------------|

-  Also suitable for ionization detector of the 9000, 9100 and 9200 series.
Substitute for Part No. 060430.10
Please see our website for latest edition of the safety data sheet.
Due to its nature, this article contains components classified as dangerous goods. Please clarify in advance with your forwarding agent if he accepts the transport of dangerous goods and if necessary observe the import regulations. The dangerous goods class for road transport or air transport is as follows:
UN-No. UN1950
ADR-Class 2.1

805583

CO test gas for smoke detector tester 805582

Test gas for testing carbon monoxide CO-detectors. Specifically designed for the OTG multisensor fire detector (CO) IQ8Quad with isolator (Part No. 802473), suitable for smoke detector tester Part No. 805582.

Technical Data**Common technical data:**

| | |
|--------------|---------------------|
| Air humidity | < 95 % |
| Content | 250 ml (per bottle) |



The OTG multisensor fire detector (CO) IQ8Quad with isolator (Part No. 802473) should only be tested in connection with test gas Part No. 805584 suitable for smoke detector tester Part No. 805582. Detector Part No. 802473 has been approved as smoke detector by VdS and the CO test gas is used to additionally trigger the electrochemical CO-gas cell. Please see our website for latest edition of the safety data sheet.

Due to its nature, this article contains components classified as dangerous goods. Please clarify in advance with your forwarding agent if he accepts the transport of dangerous goods and if necessary observe the import regulations. The dangerous goods class for road transport or air transport is as follows:

UN-No. UN1950

ADR-Class 2.1

805585

Smokesabre test gas for smoke detectors

Smokesabre is a test gas and manual testing device in one. The test gas is passed through the extensible pipe, which also serves to increase the range for the detector. Facilitates the triggering of smoke alarms in confined spaces, such as false ceilings/floors and is also applicable to low ceiling heights.

Suitable for all detectors of the Series IQ8Quad, ES Detect, 9x00 and smoke extraction systems.

Technical Data**Common technical data:**

| | |
|------------|------------------------------|
| Content | 150 ml (per bottle) |
| Dimensions | L: 193 mm |
| | L: 335 mm (with pulled-pipe) |



Also suitable for ionization detector of the 9000, 9100 and 9200 series.

Due to its nature, this article contains components classified as dangerous goods. Please clarify in advance with your forwarding agent if he accepts the transport of dangerous goods and if necessary observe the import regulations. The dangerous goods class for road transport or air transport is as follows:

UN-No. UN1950

ADR-Class 2.1



12 pieces



Application example

060429



Features

- Mains cable is not required for testing
- Power supply with rechargeable NiMH battery in the adapter of the telescopic rod
- Time based termination of testing after 120 seconds in order to prevent any heat-related damages of the detectors
- Detector head is switched off after not being used for 5 minutes
- Adjustable inclination angle of detector head for an optimal orientation towards the object which has to be tested
- Testing height up to 6 meters with telescopic rod and up to 9 meters with its extension device
- Excess-current protection for the battery
- Display of operating status of the detector head with Duo-LED (red/green)
- Battery can be charged via mains supply or via cigarette lighter in vehicles

Test head for heat detector together with battery and charger

Device for testing mounted fixed temperature, rate-of-rise and combination detectors when already installed. Response level of up to 90°C. Power supply of test head occurs via NiMH battery in the adapter between test head and telescopic rod. Can be used for detector Series 9x00 and IQ8Quad. The battery is recharged either with the charger or via mains supply (115V AC/230V AC) or via 12V DC cigarette lighters in vehicles.

Technical Data

| | |
|------------------------|--|
| Common technical data: | |
| Battery charging | 75-90 minutes (if completely discharged) |
| Ambient temperature | 5 °C ... 45 °C |
| Storage temperature | -10 °C ... 50 °C |
| Air humidity | < 85 % |



Please see our website for latest edition of the safety data sheet.

Due to its nature, this article contains components classified as dangerous goods. Please clarify in advance with your forwarding agent if he accepts the transport of dangerous goods and if necessary observe the import regulations. The dangerous goods class for road transport or air transport is as follows:

UN-No. UN2800

ADR-Class 8



Test head, 2 battery batons, charger

Accessories

060426 Telescopic extension

060427 Plastic telescopic rod

060431.10 Spare battery baton

060431



Spare battery baton

Replacement battery pack (NiMH) for test head Part No. 060429 and 805551.

Technical Data

| | |
|------------------------|--------|
| Common technical data: | |
| Air humidity | < 95 % |



Please see our website for latest edition of the safety data sheet.

Due to its nature, this article contains components classified as dangerous goods. Please clarify in advance with your forwarding agent if he accepts the transport of dangerous goods and if necessary observe the import regulations. The dangerous goods class for road transport or air transport is as follows:

UN-No. UN2800

ADR-Class 8

Phase out 31.12.2018

769813



Telescopic rod

Telescopic rod for smoke detector tester Part No. 769870.20.

This device can also be used for smoke detector tester Part Nos. 805550 / 805551 / 805582 / 060429, but with special adapter Part No. 805581.

Technical Data

| | |
|------------------------|--------|
| Common technical data: | |
| Air humidity | < 95 % |

769814

**Extension pole**

Extension pole for telescopic rod Part No. 769813. Extension of 4 m (consists of 2 parts incl. locking devices).

Technical Data

Common technical data:

Air humidity < 95 %

769080

**Smoke pellets for testing purposes**

Pellets for the generation of dense bright smoke. To charge detectors with smoke for testing purposes and verification of air flow. The pellets are lit with an open flame (e.g. matches, lighter etc.). Extinguishing is not necessary. Please ensure the use of a non-flammable base. After ignition the pellet will burn to complete ash (without formation of flames).

Technical Data

Common technical data:

Air humidity < 95 %



Without oil



6 pcs. smoke pellets

Features

- 40 sec. burning-time per smoke pellet
- 18 m³ smoke produced per smoke pellet

F-SP

NEW**Smoke pen**

Pen with wick to create a gentle hovering smoke (and for easy viewing of air flow and leaks). The wick is lit with a match or cigarette lighter (not for use near combustible gases). The smoke is safe, non-toxic, without ash or residue. The floating smoke is particularly suitable for triggering e.g. aspirating smoke detectors. Easy handling, because the wick can be lit again several times. Thus the continuous stream can be started and stopped simply by plug on the supplied protective cap on the burning lit. The total burn time is max. 30 minutes per wick.

Technical Data

Material

Plastic
metal

Dimensions

Ø: 12 mm L: 150 mm



6 wicks for smoke production

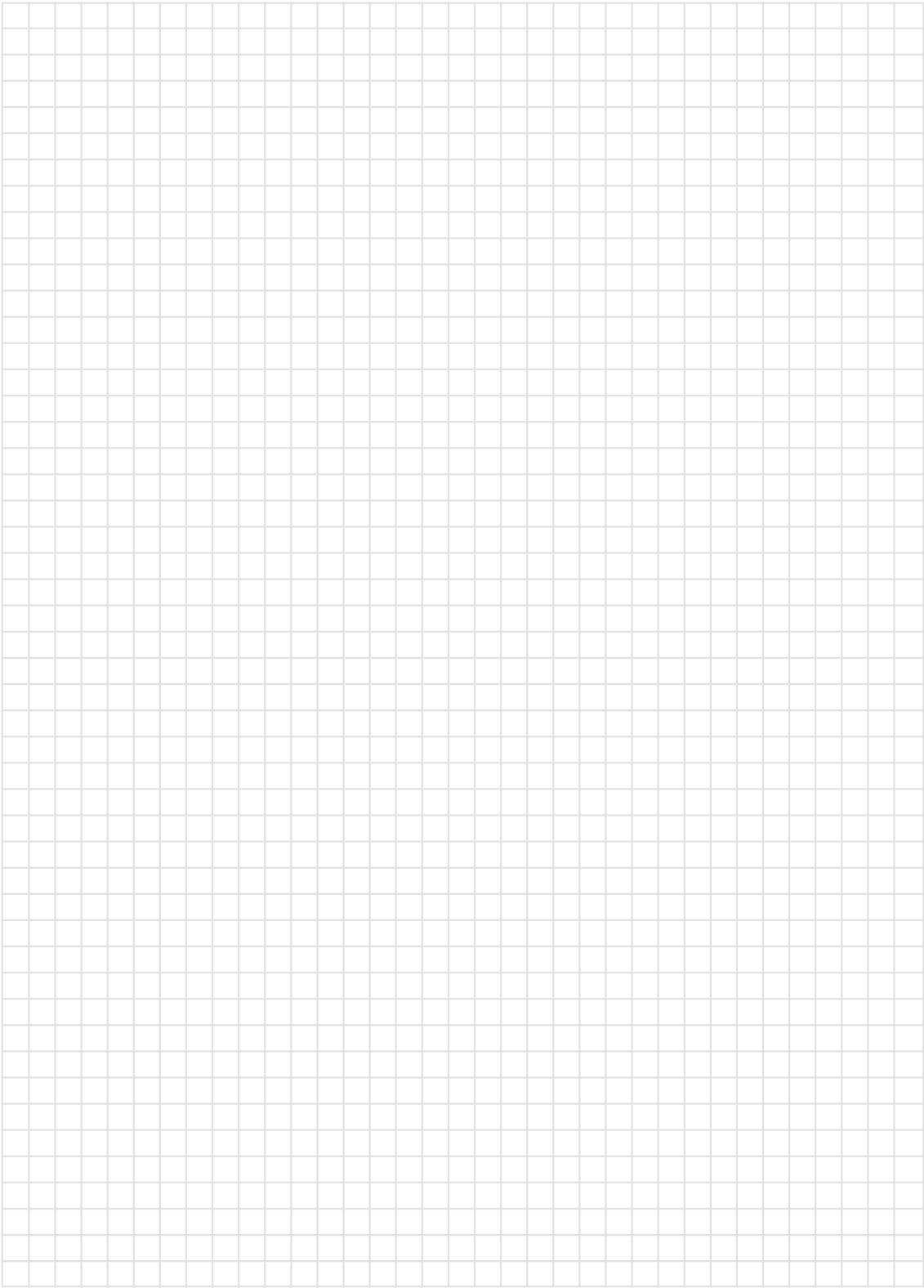
F-SP-REFILL

NEW**Spare wicks for Smoke pen (Part No. F-SP)**

With 6 spare wicks for Smoke Pen a total burn time of 3 hours (à 30 minutes burning time each wick) can be reached.



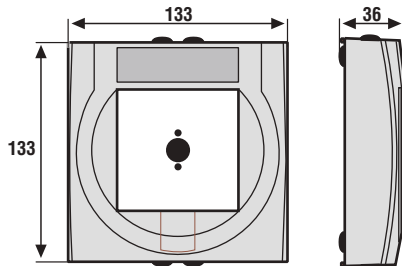
6 pcs.





Manual Call Points

| | |
|----------------------------------|---------|
| Large Design (ABS) | 182-186 |
| Large Design (Aluminum) | 187-189 |
| Accessories for MCP Large Design | 190-194 |
| Small Design (ABS) | 195-203 |
| Accessories for MCP Small Design | 204-205 |
| Special Design | 206-211 |



Features

- Slimline design
- Low power consumption
- Plug-in connection clamps
- Optional terminal clamps
- 2 x cable entries on top, at the bottom and on the rear panel
- Fixing on standard flush mounted installation box
- Test function via manual call point service key
- Detectors that are not ready for operation can be marked with the "Out of order" label by reversing the enclosed operating front foil

The advanced generation of manual call points with fragile elements meets the latest multicultural requirements of the EN 54 - 11 standards as type B (double action). The elegant detector housing, available in 5 different RAL colors, is provided with a pictogram, which is easy to comprehend for foreign people, illiterates as well as children.

Depending on individual requirements, optional labeling foils can be used which can easily replace the pictogram without special tools. The triggering element is protected by a pane of glass and is indicated by arrows.

If required, optional labeling foils can be used, which can easily replace the pictogram. The triggering element is protected by a glass pane and is indicated by arrows. The innovative manual call points can be tested by using the service key to activate the triggering mechanism, which is hidden by a faceplate. Clever design structures allow easy installation.

The manual call points consist of a housing and an electronic module, each of the two parts must be ordered separately.

i Type B definition - double action in accordance with EN 54-11 § 3.4.2
(Excerpt taken from EN standard):

Manual fire alarm unit, for which the alarm status cannot be set until an alarm is additionally triggered by the user after the fragile element has been broken or its position, has been changed.

Take note, for a LARGE MCP you have to order the electronic module and the MCP housing separately to have a complete MCP.

Not all possible combinations of electronic modules and housings are approved by VdS.

When using the manual call point as a fire detector for manual actuation in compliance with the EN 54-11 standards, a red housing together with the provided pictogram must be used.

When using the manual call point in heat exhaust or extinguishing system areas, the appropriate housing color must be chosen in compliance with the correct standards. Wago clamps for looping in wires, e.g. type 273-100 (0.5 mm² - 1.5 mm²) or 273-104 (0.75 mm² - 2.5 mm²) can be mounted on the detector base.

Take note, for a LARGE MCP you have to order the electronic module and the MCP housing separately to have a complete MCP.



MCP out of order



Easy to maintain the change of condition by turning the operating foil



MCP ready for use

Application example

Electronic Modules - Conventional



i Electronic module with one piece operating foil printed „ESSER by Honeywell“ and turnable „Out of Order“ pictogram.

804900

Conventional MCP electronic module



Approval: VdS, CNBOP

With alarm indicator, suitable for connection to a standard detector zone.

Technical Data

Common technical data:

| | |
|----------------------------|--|
| Operating voltage | 8 ... 30 V DC |
| Alarm current @ 9 V DC | 9 mA |
| No. of detector/zone | 10 detectors per zone (according to VdS) |
| Alarm display | LED, red |
| Connection terminal | max. 2.5 mm ² (AWG 26-14) |
| Application temperature | -40 °C ... 70 °C |
| Storage temperature | -40 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 44 (in housing), IP 55 (with accessory) |
| Housing | PC ASA plastic |
| Weight | approx. 236 g (with housing) |
| Detector specification | EN 54-11, Type B |
| Dimensions | W: 133 mm H: 133 mm D: 36 mm |
| Declaration of Performance | DoP-20482130701 |



In combination with the yellow housing (Part No. 704902), the electronic module is approved as an electronic control unit for gas extinguishing systems.

For CNBOP certificate labeling foil "POZAR" must be used! (delivery scope in housing)

The Part No. 804900 electronic module with yellow housing conforms to the EN 12094-3 standard and can be used as an electronic control unit for gas extinguishing systems in dry, non-hazardous industrial premises.

Take note, for a LARGE MCP you have to order the electronic module and the MCP housing separately to have a complete MCP.

804901

Conventional MCP electronic module with 2nd microswitch



Approval: VdS, CNBOP

Same as 804900, but with second microswitch with dry contact NC/C (break) or NO/C (make) that is activated when the alarm is triggered.

Technical Data

Common technical data:

| | |
|----------------------------|--|
| Operating voltage | 8 ... 30 V DC |
| Alarm current @ 9 V DC | 9 mA |
| Contact load | 30 V DC / 1 A |
| No. of detector/zone | 10 detectors per zone (according to VdS) |
| Alarm display | LED, red |
| Connection terminal | max. 2.5 mm ² (AWG 26-14) |
| Application temperature | -40 °C ... 70 °C |
| Storage temperature | -40 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 44 (in housing), IP 55 (with accessory) |
| Housing | PC ASA plastic |
| Weight | approx. 236 g (with housing) |
| Detector specification | EN 54-11, Type B |
| Dimensions | W: 133 mm H: 133 mm D: 36 mm |
| Declaration of Performance | DoP-20482130701 |



In combination with the yellow housing (Part No. 704902), the electronic module is approved as an electronic control unit for gas extinguishing systems.

For CNBOP certificate labeling foil "POZAR" must be used! (delivery scope in housing).

The Part No. 804901 electronic module with yellow housing conforms to the EN 12094-3 standard and can be used as an electronic control unit for gas extinguishing systems in dry, non-hazardous industrial premises.

Take note, for a LARGE MCP you have to order the electronic module and the MCP housing separately to have a complete MCP.

804902

Conventional MCP electronic module w/o snap-on function



Approval: VdS with blue housing 704901

Same as 804900, but without snap-on function.

Technical Data

Common technical data:

| | |
|----------------------------|--|
| Operating voltage | 8 ... 30 V DC |
| Alarm current @ 9 V DC | 9 mA |
| No. of detector/zone | 10 detectors per zone (according to VdS) |
| Alarm display | LED, red |
| Connection terminal | max. 2.5 mm ² (AWG 26-14) |
| Application temperature | -40 °C ... 70 °C |
| Storage temperature | -40 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 44 (in housing), IP 55 (with accessory) |
| Housing | PC ASA plastic |
| Weight | approx. 236 g (with housing) |
| Detector specification | EN 54-11, Type B |
| Dimensions | W: 133 mm H: 133 mm D: 36 mm |
| Declaration of Performance | DoP-20195130701 |



This electronic module is only approved as an electric stop push-button for gas extinguishing systems when combined with the blue housing (Part No. 704901). The electronic module Part No. 804902 with blue housing complies with the EN 12094-3 standard and therefore it can be used as an electric stop push-button for gas extinguishing systems in dry, non-hazardous branches.

In case the manual call point is used as a "house alarm" push-button, pre-printed labels are provided in the manual call point package.

Take note, for a LARGE MCP you have to order the electronic module and the MCP housing separately to have a complete MCP.

Electronic Modules for Series IQ8MCP - Addressable

804905

IQ8MCP electronic module with isolator



Approval: VdS, CNBOP

Addressable electronic module suitable for use in the esserbus and powered loop with alarm latch and alarm indicator. Optional connection for conventional MCP. Without BUS connection, the detector operates as conventional MCP. Built-in loop isolator in the manual call point. An external detector zone (D-line) could be connected with up to ten conventional manual call points (internal Alarm resistor for each detector 1 KOhm) - e.g. Part No. 804900 or 804901 to this IQ8 manual call point model and configure required operation with tools 8000. When an alarm is triggered the address and the programmed additional text of the MCP IQ8 to which the conventional zone is connected are displayed automatically. Cable length of the D-line max. 500 meters!

Technical Data

Common technical data:

| | |
|---|--|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 45 µA |
| Alarm current w/o communication curtain | 18 mA |
| No. of detector/zone | 10 detectors per zone, 127 detectors/loop (according to VdS) |
| Operation indicator | LED, green |
| Alarm display | LED, red |
| Connection terminal | max. 2.5 mm ² (AWG 26-14) |
| Application temperature | -20 °C ... 70 °C |
| Storage temperature | -30 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 44 (in housing), IP 55 (with accessory) |
| Housing | PC ASA plastic |
| Weight | approx. 236 g (in housing) |
| Detector specification | EN 54-11, type B |
| Dimensions | W: 133 mm H: 133 mm D: 36 mm |
| Declaration of Performance | DoP-20489130701 |



For CNBOP certificate labeling foil "POZAR" must be used! (delivery scope in housing).

Take note, for a LARGE MCP you have to order the electronic module and the MCP housing separately to have a complete MCP.

804906

IQ8MCP electronic module w/o isolator, with relay

**Approval: VdS, CNBOP**

Addressable electronic module with floating contacts of a changeover relay NC/C (break) or NO/C (make), suitable for use in the esserbus and powered loop with alarm latch and alarm indicator. Without BUS connection, the detector operates as conventional MCP.

Without built-in loop isolator and optional connection for conventional MCP.

The relay output is activated with the triggering of this detector. The relay output can be programmed in the System 8000 and IQ8Control FACP customer data as a control group with freely programmable trigger functions.

Technical Data**Common technical data:**

| | |
|---|--|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 45 µA |
| Alarm current w/o communication curtain | 18 mA |
| Contact load relay | 30 V DC / 1 A |
| No. of detector/zone | 10 detectors per zone, 127 detectors/loop (according to VdS) |
| Operation indicator | LED, green |
| Alarm display | LED, red |
| Connection terminal | max. 2.5 mm ² (AWG 26-14) |
| Application temperature | -20 °C ... 70 °C |
| Storage temperature | -30 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 44 (in housing), IP 55 (with accessory) |
| Housing | PC ASA plastic |
| Weight | approx. 236 g (in housing) |
| Detector specification | EN 54-11, type B |
| Dimensions | W: 133 mm H: 133 mm D: 36 mm |
| Declaration of Performance | DoP-20488130701 |



For CNBOP certificate labeling foil "POZAR" must be used! (delivery scope in housing).
Take note, for a LARGE MCP you have to order the electronic module and the MCP housing separately to have a complete MCP.

Plastic Housings



Housings for electronic module 80490x.



Housing with glass pane (Part No. 704910)
Plastic key (Part No. 769910)

Accessories

- 704910 Spare glass for manual call points
- 769910 Plastic spare key
- 769911 Metal key for large MCP
- 769916 Service key
- 704917 Option IP 55 shrink sleeve for large MCP 80490x
- 704911 Universal foil for large MCP housing ABS

704900

MCP housing large with glass pane, red, similar to RAL 3020

**Technical Data****Common technical data:**

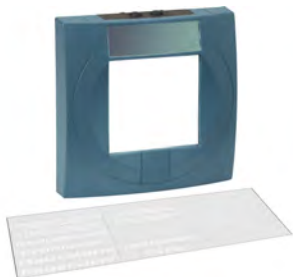
| | |
|--------------------|--------------------------------------|
| Type of protection | IP 44 |
| Housing | ASA plastic |
| Installation | surface mount |
| Weight | approx. 83 g (w/o electronic module) |
| Dimensions | W: 133 mm H: 133 mm D: 36 mm |



The red manual call point housing is only available with the pictogram (as shown) in compliance with EN 54-11.
Please note that in compliance with EN54-11 the labeling must come with the burning house symbol.
Take note, for a LARGE MCP you have to order the electronic module and the MCP housing separately to have a complete MCP.

704901

MCP housing large with glass pane, blue, similar to RAL 5015



Technical Data

Common technical data:

| | |
|--------------------|--------------------------------------|
| Type of protection | IP 44 |
| Housing | ASA plastic |
| Installation | surface mount |
| Weight | approx. 83 g (w/o electronic module) |
| Dimensions | W: 133 mm H: 133 mm D: 36 mm |



The Part No. 804902 electronic module in a blue housing complies with the EN 12094-3 and thus can be applied as an electronic stop button for gas extinguishing systems in dry, non-hazardous production sites.

For different use such as application as "HOUSE ALARM" push button, ready-made labels are provided.

Take note, for a LARGE MCP you have to order the electronic module and the MCP housing separately to have a complete MCP.



Labeling foil set (white) for various international applications.

704902

MCP housing large with glass pane, yellow, similar to RAL 1021



Technical Data

Common technical data:

| | |
|--------------------|--------------------------------------|
| Type of protection | IP 44 |
| Housing | ASA plastic |
| Installation | surface mount |
| Weight | approx. 83 g (w/o electronic module) |
| Dimensions | W: 133 mm H: 133 mm D: 36 mm |



The Part No. 804900 or 804901 electronic module in a yellow housing 704902 complies with the EN 12094-3 and thus can be applied as electronic control module for gas extinguishing systems in dry, non-hazardous production sites.

For different use such as application as "HOUSE ALARM" push button, ready-made labels are available.

Take note, for a LARGE MCP you have to order the electronic module and the MCP housing separately to have a complete MCP.



Labeling foil set (black) for various international applications.

704903

MCP housing large with glass pane, orange, similar to RAL 2011



Technical Data

Common technical data:

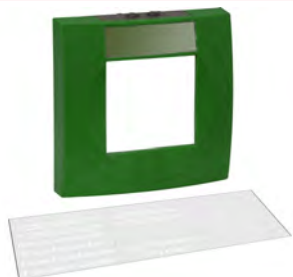
| | |
|--------------------|--------------------------------------|
| Type of protection | IP 44 |
| Housing | ASA plastic |
| Installation | surface mount |
| Weight | approx. 83 g (w/o electronic module) |
| Dimensions | W: 133 mm H: 133 mm D: 36 mm |



Labeling foil set (black) for various international applications.

704904

MCP housing large with glass pane, green, similar to RAL 6002



Technical Data

Common technical data:

| | |
|--------------------|--------------------------------------|
| Type of protection | IP 44 |
| Housing | ASA plastic |
| Installation | surface mount |
| Weight | approx. 83 g (w/o electronic module) |
| Dimensions | W: 133 mm H: 133 mm D: 36 mm |



Used e.g. for after flooding for gas extinguishing systems with the respective inscription.



Labeling foil set (white) for various international applications.



Both housing and electronic module need to be ordered. Not all possible combinations of electronic modules and housings are approved by VdS. The approved combinations are listed in the VdS approval field for the corresponding electronic module.

Electronic Modules for Series 9000

704477.10

Conventional MCP electronic module with 2nd micro-switch, Series 9000



Approval: VdS with housing 704801.10

Printed with pictograms in accordance with EN 54-11

Technical Data

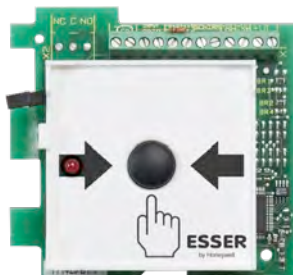
Common technical data:

| | |
|----------------------------|---|
| Operating voltage | 8 ... 30 V DC |
| Alarm current @ 9 V DC | 9 mA |
| Contact load | 30 V DC/1A |
| No. of detector/zone | 10 detectors per zone (according to VdS) |
| Alarm display | LED, red |
| Connection terminal | 0.6 ... 1.5 mm ² |
| Application temperature | -40 °C ... 70 °C |
| Storage temperature | -40 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP43 (with housing) IP 54 (with housing and option 704070) |
| Weight | approx. 100 g (w/o housing) |
| Detector specification | EN 54-11, type B |
| Dimensions | W: 95 mm H: 95 mm D: 25 mm |
| Declaration of Performance | DoP-20478130701 |

Electronic Module for Series 9200 esserbus

804473.10

Addressable MCP electronic module with isolator, Series 9200, esserbus



Approval: VdS with housing 704801.10

Printed with pictograms in accordance with EN 54-11

Technical Data

Common technical data:

| | |
|---|---|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 45 µA |
| Alarm current @ 9 V DC | 9 mA |
| Alarm current w/o communication curtain | 18 mA |
| Contact load | 30 V DC/1A |
| No. of detector/zone | 10/zone, 127/loop (VdS) |
| Alarm display | LED, red |
| Connection terminal | 0.6 mm ... 1.5 mm ² |
| Application temperature | -20 °C ... 70 °C |
| Storage temperature | -30 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP43 (with housing) IP 54 (with housing and option 704070) |
| Weight | approx. 100 g (w/o housing) |
| Detector specification | EN 54-11, type B |
| Dimensions | W: 95 mm H: 95 mm D: 25 mm |
| Declaration of Performance | DoP-20481130701 |

Aluminum Die-Cast Housings



Housing with glass pane and plastic key, fixing material, 1 x multilingual "Out of order" paper insert, 2 x cable entries, 2 x dummy plugs

Accessories

- 704910 Spare glass for manual call points
- 70490x, 7048xx and 761694
- 769910 Plastic spare key
- 769911 Metal key for large MCP 80490x

704801.10

MCP housing ALU, large, glass pane



Printed with pictograms in accordance with EN 54-11.

Technical Data

Common technical data:

| | |
|--------------------|------------------------------|
| Type of protection | IP43, IP54 with kit 704070 |
| Material | aluminum, die-cast |
| Installation | surface mount |
| Color | red, similar to RAL 3000 |
| Weight | approx. 600 g |
| Dimensions | W: 126 mm H: 126 mm D: 42 mm |

704801.11

MCP Housing ALU, large, glass pane



printed with pictograms in accordance with EN54-11

Technical Data

Common technical data:

| | |
|--------------------|------------------------------|
| Type of protection | IP43, IP54 with kit 704070 |
| Material | aluminum, die-cast |
| Installation | surface mount |
| Color | red, similar to RAL 3000 |
| Weight | approx. 600 g |
| Dimensions | W: 126 mm H: 126 mm D: 42 mm |

704804

MCP housing with glass, print: "Hausalarm-ESSER"



Technical Data

Common technical data:

| | |
|--------------------|------------------------------|
| Type of protection | IP43, IP54 with kit 704070 |
| Material | aluminum, die-cast |
| Installation | surface mount |
| Color | red, similar to RAL 3000 |
| Weight | approx. 600 g |
| Dimensions | W: 126 mm H: 126 mm D: 42 mm |

704854

MCP housing with glass, print: "Hausalarm-ESSER"



Technical Data

Common technical data:

| | |
|--------------------|------------------------------|
| Type of protection | IP43, IP54 with kit 704070 |
| Material | aluminum, die-cast |
| Installation | surface mount |
| Color | blue, similar to RAL 5009 |
| Weight | approx. 600 g |
| Dimensions | W: 126 mm H: 126 mm D: 42 mm |



Key: 769910, 769911 (Accessory)

704874

MCP housing with glass, print: "Hausalarm-ESSER"



Technical Data

Common technical data:

| | |
|--------------------|------------------------------|
| Type of protection | IP43, IP54 with kit 704070 |
| Material | aluminum, die-cast |
| Installation | surface mount |
| Color | yellow, similar to RAL 1018 |
| Weight | approx. 600 g |
| Dimensions | W: 126 mm H: 126 mm D: 42 mm |



Key: 769910, 769911 (Accessory)

Neutral Housings w/o Print

704800

MCP housing ALU, large, neutral**Technical Data****Common technical data:**

| | |
|--------------------|------------------------------|
| Type of protection | IP43, IP54 with kit 704070 |
| Material | aluminum, die-cast |
| Installation | surface mount |
| Color | red, similar to RAL 3000 |
| Weight | approx. 600 g |
| Dimensions | W: 126 mm H: 126 mm D: 42 mm |



Key: 769910, 769911 (Accessory)

704850

MCP housing ALU, large, neutral**Technical Data****Common technical data:**

| | |
|--------------------|------------------------------|
| Type of protection | IP43, IP54 with kit 704070 |
| Material | aluminum, die-cast |
| Installation | surface mount |
| Color | blue, similar to RAL 5009 |
| Weight | approx. 600 g |
| Dimensions | W: 126 mm H: 126 mm D: 42 mm |



Key: 769910, 769911

704870

MCP housing ALU, large, neutral**Technical Data****Common technical data:**

| | |
|--------------------|------------------------------|
| Type of protection | IP43, IP54 with kit 704070 |
| Material | aluminum, die-cast |
| Installation | surface mount |
| Color | yellow, similar to RAL 1018 |
| Weight | approx. 600 g |
| Dimensions | W: 126 mm H: 126 mm D: 42 mm |



Key: 769910, 769911 (Accessory)

704890

MCP housing ALU, large, neutral**Technical Data****Common technical data:**

| | |
|--------------------|------------------------------|
| Type of protection | IP43, IP54 with kit 704070 |
| Material | aluminum, die-cast |
| Installation | surface mount |
| Color | gray, similar to RAL 7035 |
| Weight | approx. 600 g |
| Dimensions | W: 126 mm H: 126 mm D: 42 mm |



Key: 769910, 769911 (Accessory)

704910



Spare glass pane for MCP housing 70490x, 7048xx and 761694/97

Spare glass pane for detector housings large design Part No. 70490x, 7048xx, 761694 and 761697 in compliance with EN 54-11.

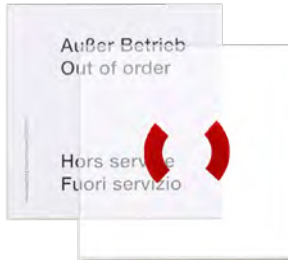
Technical Data

Dimensions

W: 80 mm H: 80 mm

 10 pcs

701040




Spare glass pane red for MCP housings 7047xx and 7048xx

Spare glass pane, printed with red circle segments (similar to RAL 3000) for all Part No. 7047xx and Part No. 7048xx manual call points (large design).

Technical Data

Dimensions

W: 80 mm H: 80 mm

 10 Multilingual "Out of order" paper labels are included.

 10 pcs

769921



"Out of order" sign, multilingual for 7047xx, 7048xx and 70490x

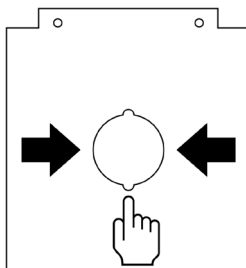
Plastic sign for all Part No. 7047xx, 7048xx and 70490x manual call points (large design).

Technical Data

Dimensions

W: 80 mm H: 80 mm

704915



Operating foil for large MCP 80490x, neutral

Replacement operating panel foil, neutral without logo, for large design Part No. 80490x manual call points in resistant plastic design. The foil is designed as a double-sided insert. Complementing the standards-compliant symbolism for manual fire alarms according to EN 54-11 (type B), it contains a symbol on the back for the removal from service of the alarm and is easily accessible at all times for possible maintenance operations. The "Out of order" representation occurs via an internationally understandable construction worker symbol and multilingual text.

Technical Data

Material

PP (0.3 mm)

Dimensions

W: 72 mm H: 75.7 mm

 10 pcs.



MCP "Out of order"



Easy to maintain the change of condition by turning the operating foil.



MCP "Ready for use"

Application example

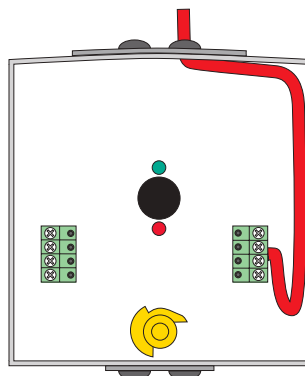
704917

Option IP55 shrink sleeve for large MCP 80490x

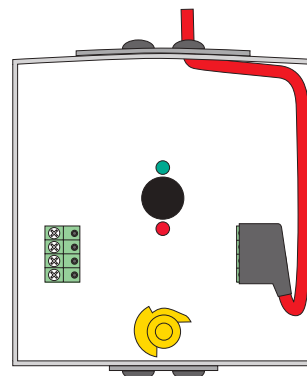
10 shrink sleeves for clamp terminals to increase protection class to IP55.



10 pcs



IP44



IP55

Application example without (IP44) and with (IP55) shrink sleeve

704911

Front foil with universal text for large MCP ABS, white lettering



Universal, punched foil set (transparent with white imprint) for the labeling field, different from the standard version.



Transparent foil with white lettering.



10 pcs

704912

Front foil face with universal text for large MCP ABS, black lettering



Same as 704911, but with black imprint.



10 pcs

704070

IP 54 kit for large MCP 7048xx



Cable entries to increase protection class from IP 43 to IP 54 for manual call points in die-cast aluminum housings (Part No. 7048xx).

Technical Data

Material
Color
Cable diameter

PS
gray, similar to RAL 7035
6 mm

769910

Plastic key for large MCP

Plastic key type D for all manual call points (large design).



Please note that for activating the test functionality of electronic modules (Part No. 80490x), the service key Part No. 769916 is required.



769911

Metal key for large MCP

Metal key type D for all detector housings (large design).



Please note that for activating the test functionality of electronic modules (Part No. 80490x), the service key Part No. 769916 is required.



769916

Service key for electronic module (Part No. 80490x)

With this metal service key, the test functionality of the manual call point is activated and reset by authorized persons only.

The key is suitable for all electronic modules with Part No. 80490x from index 05 and yellow locking.



Protective Cover



This protective cover prevents false alarms, without hampering real alarms. This device consists of a rack and a lid, made of transparent polycarbonate. It prevents inadvertent activation, vandalism, dust and water from triggering false alarms. The protective cover is suitable for all manual call points.



Accessory for installation



Application example

781693

Protective cover for manual call points, German



Technical Data

Common technical data:

Ambient temperature

Material

Weight

Dimensions

-40 °C ... 49 °C

Polycarbonate

approx. 590 g

W: 180 mm H: 260 mm D: 100 mm

781694

Protective cover for manual call points, English

**Technical Data**

Common technical data:

Ambient temperature

-40 °C ... 49 °C

Material

Polycarbonate

Weight

approx. 590 g

Dimensions

W: 180 mm H: 260 mm D: 100 mm

Protective Cover - Accessories

781698

Surface spacer for protective cover



The spacer is required for surface mount wiring.

Technical Data

Weight

approx. 510 g

Dimensions

W: 180 mm H: 260 mm D: 50 mm



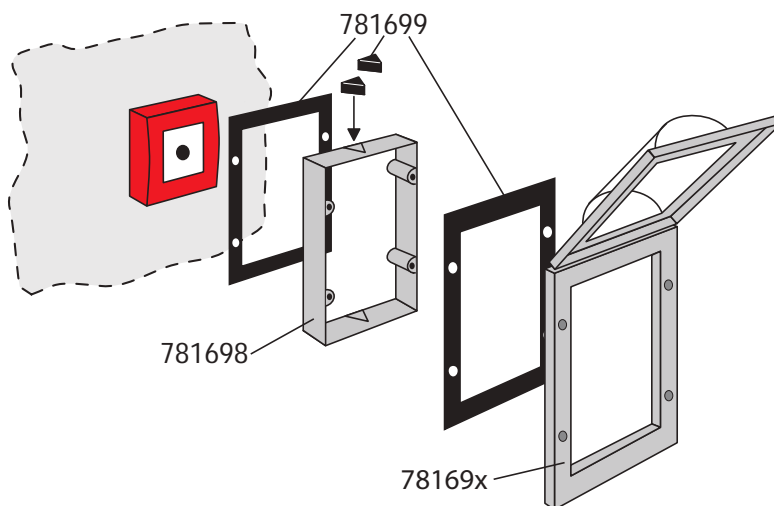
Accessory for installation

781699

IP55 kit for protective cover



Mounting kit - self-adhesive sealing kit for protective cover (Part No. 781693, 781694) and an increased protection level from IP 44 to IP 55.



Application example

Weather Protective Cover

781682**Weather protective cover for MCP housings 7047/48xx, red**

Protective housing with protruding roof edge, for all Part No. 7047xx and 7048xx detector housings for increased mechanical protection as well as for protection from bad weather conditions.

Technical Data

| | |
|------------|------------------------------|
| Material | PVC |
| Color | red, similar to RAL 3000 |
| Dimensions | W: 135 mm H: 153 mm D: 62 mm |



Please mention for the manual call point, large design plastic (e.g. IQ8MCP), the protection cover Part No. 781693 and the related accessories.



Weather protective cover and mounting material

781692**Weather protective cover for MCP housings 7047/48xx, blue**

Same as 781682, but blue color.

Technical Data

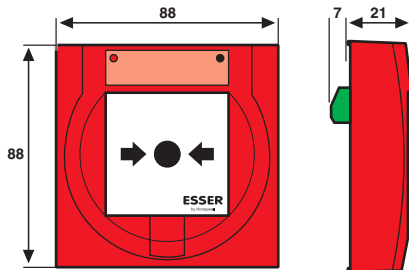
| | |
|-------|---------------------------|
| Color | blue, similar to RAL 5009 |
|-------|---------------------------|



Weather protective cover and mounting material

Manual Call Points

Small Design (ABS)



Features

- Flat design
- Plug-in connection terminals
- Optional terminal
- Triple key function (test, open, reset)
- Detectors that are not ready for operation can be marked with the "Out of order" label by reversing the enclosed glass pane

The manual call points meets the latest multi-cultural requirements of the EN 54 - 11 standards as type A (single action). The elegant housing is provided with a pictogram, which can be understood by children as well as in an international context.

Depending on individual requirements, the pictogram can be easily replaced by optional labeling field foils without using additional tools for removal. The actuation field is marked by arrows pointing towards it. The innovative manual call points can be tested by using the key to activate the triggering mechanism, which is hidden by a faceplate. Smart housing and terminal design enables easy installation.

i If the glass pane is replaced with the optionally available plastic pane with reset function, the MCP can be reseted from outside by using the key.

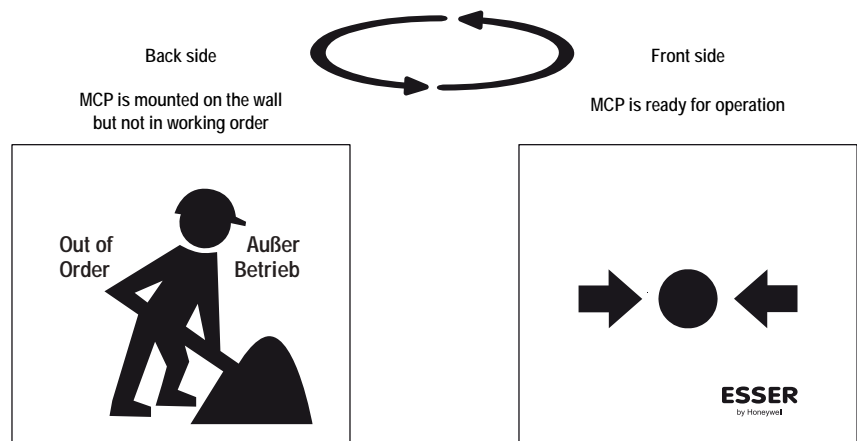
Per standard suitable for flush-mounted installation boxes.

For the surface mounting of the MCP the base from Part No. 704980 to 704985 is required. Please order separately.

Type A definition - direct release acc. to EN 54-11 § 3.4.1 (extract from standard):

Manual fire alarm unit, for which the alarm status is automatically set (additional alarm triggering is not required) after the fragile element has been broken or its position has been changed.

Reversible glass pane with printed foil on both sides



Compact MCP Versions - Conventional

804970

Conventional MCP compact, small, red, glass pane

**Approval: VdS, CNBOP**

Including housing and alarm indicator. For connection to a conventional detection zone.

Technical Data**Common technical data:**

| | |
|----------------------------|--|
| Operating voltage | 8 ... 30 V DC |
| Alarm current @ 9 V DC | 9 mA |
| No. of detector/zone | 10 detectors per zone (according to VdS) |
| Alarm display | red LED and yellow actuation indicator |
| Connection terminal | max. 2.5 mm ² (AWG 26-14) |
| Application temperature | -40 °C ... 70 °C |
| Storage temperature | -40 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 43, IP 55 with 704965 |
| Housing | PC ASA plastic |
| Color | red, similar to RAL 3020 |
| Weight | approx. 110 g |
| Detector specification | EN 54-11, type A |
| Dimensions | W: 88 mm H: 88 mm D: 21 mm |
| Declaration of Performance | DoP-20486130701 |



1 x Glass pane 704960

1 x Key 704966

1 x Multilingual paper labels with "Out of order" pictogram.

Accessories

704980 Surface mount housing

804960

Conventional MCP compact, small, red, with glass pane, IP 66/67

NEW**Features**

- High IP protection class IP 66 / 67
- Integrated loop isolator
- Triple key function (test, open, reset)
- Plug-in connection clamps
- Detectors that are not ready for operation can be marked with the "out of order" label by reversing the enclosed glass pane

Approval: VdS

Waterproof MCP including housing and alarm indicator. For connection to a conventional detection zone.

Technical Data**Common technical data:**

| | |
|----------------------------|--|
| Operating voltage | 8 ... 30 V DC |
| Quiescent current @ 9 V DC | 0 µA |
| Alarm current @ 9 V DC | 9 mA |
| No. of detector/zone | 10 detectors per zone (according to VdS) |
| Alarm display | red LED and yellow actuation indicator |
| Connection terminal | max. 2.5 mm ² (AWG 26-14) |
| Application temperature | -40 °C ... 70 °C |
| Storage temperature | -40 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 66 / IP 67 |
| Housing | PC ASA plastic |
| Color | red, similar to RAL 3020 |
| Weight | approx. 110 g |
| Detector specification | EN 54-11, type A |
| Dimensions | W: 88 mm H: 88 mm D: 21 mm |



Use M20 cable glands with 15 mm connecting thread length and sealing ring, e.g. blueglobe by Pflitsch (Screw joint Part No.: bg 820PA/sealing ring part no.: DRF 220).



1 x Spare glass 704960

1 x Plastic spare key 704966

1 x Transparent cover

1 x Surface mount housing

Compact MCP Versions - Addressable

804971

IQ8MCP compact, small, red, with isolator and glass pane

**Approval: VdS, CNBOP**

Suitable for esserbus and powered loop connection, with soft address coding, alarm latch and alarm indicator. Conventional detectors can be connected to input of the MCP. Without BUS communication, the detector operates as conventional MCP. Detector housing is included. Built in isolators maintaining loop integrity.

Technical Data**Common technical data:**

| | |
|---|---|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 45 µA |
| Alarm current w/o communication curtain | 18 mA |
| No. of detector/zone | max. 127 detectors per loop (according to VdS) |
| Operation indicator | LED, green |
| Alarm display | red LED and yellow actuation indicator |
| Connection terminal | max. 2.5 mm ² (AWG 26-14) |
| Application temperature | -20 °C ... 70 °C |
| Storage temperature | -30 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 43, IP 55 with cover 704965 |
| Housing | PC ASA plastic |
| Color | red, similar to RAL 3020 |
| Weight | approx. 110 g |
| Detector specification | EN 54-11, type A |
| Dimensions | W: 88 mm H: 88 mm D: 21 mm W: 88 mm H: 88 mm D: 57 mm (with surface mount housing) |
| Declaration of Performance | DoP-20492130701 |



1 x Glass pane 704960

1 x Key 704966

1 x Multilingual paper labels with "Out of order" pictogram

Accessories

704980 Surface mount housing

804973

IQ8MCP compact, small, red, with resettable element

**Approval: VdS**

Same as 804971, but with plastic triggering element, which supports easy reset after an alarm has been triggered without having to replace the broken element (glass pane).

Typically applied in nursery, clean rooms as for example in food processing industries.

Technical Data**Common technical data:**

| | |
|---|---|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 45 µA |
| Alarm current w/o communication curtain | 18 mA |
| No. of detector/zone | max. 127 MCP per loop |
| Operation indicator | LED, green |
| Alarm display | red LED and yellow actuation indicator |
| Connection terminal | max. 2.5 mm ² (AWG 26-14) |
| Application temperature | -20 °C ... 70 °C |
| Storage temperature | -30 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 43 (in housing) |
| Housing | ASA plastic |
| Color | red, similar to RAL 3020 |
| Weight | approx. 110 g |
| Detector specification | EN 54-11, type A |
| Dimensions | W: 88 mm H: 88 mm D: 21 mm W: 88 mm H: 88 mm D: 57 mm (with surface mount housing) |



1x Plastic operating panel 704964

1x Key 704966

1x Multilingual paper insert with "Out of order" pictogram included

Accessories

704980 Surface mount housing

804961

IQ8MCP compact IP 66 / 67, small, red, with isolator glass pane



Features

- High IP protection class IP 66 / 67
- Integrated loop isolator
- Triple key function (test, open, reset)
- Plug-in connection clamps
- Detectors that are not ready for operation can be marked with the "out of order" label by reversing the enclosed glass pane

Approval: VdS

Waterproof MCP suitable for esserbus and powered loop connection, with soft address coding, alarm latch and alarm indicator. Without BUS communication, the detector operates as conventional MCP. Detector housing, surface mount housing and transparent cover are included. The Waterproof Manual Call Point has been designed for use outdoors and in places where moisture can occur. Surface mount housing is provided with knock-out cable entries for M20 cable glands (option) for simplified installation.

Technical Data

Common technical data:

| | |
|-----------------------------|---|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 45 µA |
| Alarm current @ 9 V DC | 18 mA |
| No. of detector/zone | 10 detectors / group; 127 detectors / ring (according to VdS) |
| Operation indicator | LED, green |
| Alarm display | LED, red and yellow flag |
| Connection terminal | max. 1,5 mm ² (AWG 30-14) |
| Application temperature | -20 °C ... 70 °C |
| Storage temperature | -30 °C ... 75 °C |
| Type of protection | IP 66 / IP 67 |
| Housing | PC-ASA plastic |
| Color | red, similar to RAL 3020 |
| Weight | approx. 250 g |
| Detector specification | EN 54-11, type A |
| Dimensions | W: 88 mm H: 88 mm D: 57 mm (with surface mount housing) |



Use M20 cable glands with 15 mm connecting thread length and sealing ring, e.g. blueglobe by Pflitsch (Screw joint Part No.: bg 820PA/sealing ring part no.: DRF 220).



- 1 x Spare glass 704960
- 1 x Plastic spare key 704966
- 1 x Transparent cover
- 1 x Surface mount housing

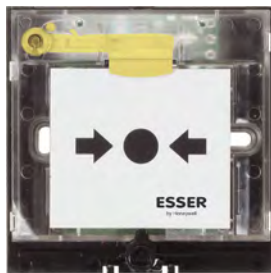


Example (optional fittings)

Electronic Modules - Conventional

804950

Conventional MCP electronic module



Approval: VdS

With alarm indicator, for the connection to a standard detector zone.

Technical Data

Common technical data:

| | |
|----------------------------|---|
| Operating voltage | 8 ... 30 V DC |
| Quiescent current @ 9 V DC | 0 µA |
| Alarm current @ 9 V DC | 9 mA |
| No. of detector/zone | max. 10 detectors per loop (as per VdS) |
| Alarm display | LED, red and yellow flag |
| Connection terminal | max. 2,5 mm ² (AWG 26-14) |
| Application temperature | -40 °C ... 70 °C |
| Storage temperature | -40 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 43 (in Housing), IP 55 with cover 704965 |
| Weight | approx. 78 g |
| Detector specification | EN 54-11, type A |
| Dimensions | W: 88 mm H: 88 mm D: 21 mm W: 88 mm H: 88 mm D: 57 mm (with surface mount housing) |
| Declaration of Performance | DoP-20486130701 |

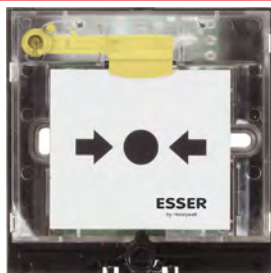


1 x Glass pane 704960

1 x Multilingual paper labels with "Out of order" pictogram

804951

Conventional MCP electronic module, with 2nd micro-switch



Approval: VdS

Same as 804950, but with second microswitch with dry contact NC/C (break) or NO/C (make) that is activated when the alarm is triggered.

Technical Data

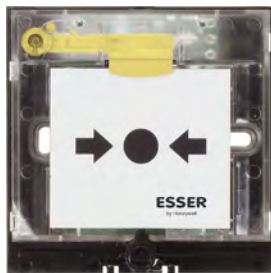
Common technical data:

| | |
|----------------------------|---|
| Operating voltage | 8 ... 30 V DC |
| Quiescent current @ 9 V DC | 0 µA |
| Alarm current @ 9 V DC | 9 mA |
| No. of detector/zone | max. 10 detectors per loop (as per VdS) |
| Alarm display | LED, red and yellow flag |
| Connection terminal | max. 2,5 mm ² (AWG 26-14) |
| Application temperature | -40 °C ... 70 °C |
| Storage temperature | -40 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 43 (in housing), IP 55 with cover 704965 |
| Weight | approx. 78 g |
| Dimensions | W: 88 mm H: 88 mm D: 21 mm W: 88 mm H: 88 mm D: 57 mm (with surface mount housing) |
| Declaration of Performance | DoP-20485130701 |

Electronic Modules - Addressable

804955

IQ8MCP electronic module

**Approval: VdS**

Same as 804971, but without housing.

Technical Data**Common technical data:**

| | |
|---|--|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 45 µA |
| Alarm current w/o communication curtain | 18 mA |
| No. of detector/zone | max. 127 detectors per loop (as per VdS) |
| Operation indicator | LED, green |
| Alarm display | red LED and yellow actuation indicator |
| Connection terminal | max. 2.5 mm ² (AWG 26-14) |
| Application temperature | -20 °C ... 70 °C |
| Storage temperature | -30 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP43 (in housing), IP 55 with cover 704965 |
| Weight | approx. 78 g |
| Detector specification | EN 54-11, type A |
| Dimensions | W: 88 mm H: 88 mm D: 21 mm |
| Declaration of Performance | DoP-20492130701 |

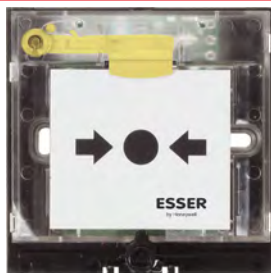


1 x Glass pane 704960

1 x Multilingual paper labels with "Out of order" pictogram

804956

IQ8MCP electronic module w/o isolator, with relay

**Approval: VdS**

Same as 804955, but with relay and without loop isolator or connection possibility for standard manual call points. The relay output is activated by the triggering of this detector. The relay output can be programmed in the IQ8Control and System 8000 FACP customer data as a control group.

Technical Data**Common technical data:**

| | |
|---|--|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 45 µA |
| Alarm current w/o communication curtain | 18 mA |
| Contact load | 30 V DC / 1 A |
| No. of detector/zone | max. 127 detectors per loop (as per VdS) |
| Operation indicator | LED, green |
| Alarm display | LED, red and yellow flag |
| Connection terminal | max. 2.5 mm ² (AWG 26-14) |
| Application temperature | -20 °C ... 70 °C |
| Storage temperature | -30 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP43 (in housing), IP 55 with cover 704965 |
| Weight | approx. 78 g |

Plastic Housings

Housings for electronic modules Part No. 80495x.



1 x Key 704966

704950



Pictogram according to EN54-11

Housing for small MCP, red, similar to RAL 3020

Technical Data

Common technical data:

| | |
|----------------------------|----------------------------|
| Type of protection | IP 43, IP 55 with 704965 |
| Housing | PC ASA plastic housing |
| Installation | surface mount |
| Weight | approx. 33 g |
| Dimensions | W: 88 mm H: 88 mm D: 21 mm |
| Declaration of Performance | DoP-20492130701 |



The red manual call point housing is available only with the pictogram (as shown) according to EN 54-11.

Please note that according to EN54-11, the label for the MCP must include the symbol of the burning house.

Pictogram according to EN54-11

704951



Housing for small MCP, blue, similar to RAL 5015

Technical Data

Common technical data:

| | |
|--------------------|----------------------------|
| Type of protection | IP 43, IP 55 with 704965 |
| Housing | PC ASA plastic housing |
| Installation | surface mount |
| Weight | approx. 33 g |
| Dimensions | W: 88 mm H: 88 mm D: 21 mm |



Labeling foil set (white) for various international applications.

704952



Housing for small MCP, yellow, similar to RAL 1021

Technical Data

Common technical data:

| | |
|--------------------|----------------------------|
| Type of protection | IP 43, IP 55 with 704965 |
| Housing | PC ASA plastic housing |
| Installation | surface mount |
| Weight | approx. 33 g |
| Dimensions | W: 88 mm H: 88 mm D: 21 mm |



Labeling foil set (black) for various international applications.

704953



Housing for small MCP, orange, similar to RAL 2011

Technical Data

Common technical data:

| | |
|--------------------|----------------------------|
| Type of protection | IP 43, IP 55 with 704965 |
| Housing | PC ASA plastic housing |
| Installation | surface mount |
| Weight | approx. 33 g |
| Dimensions | W: 88 mm H: 88 mm D: 21 mm |



Labeling foil set (black) for various international applications.

704954

Housing for small MCP, green, similar to RAL 6002



Technical Data

Common technical data:

| | |
|--------------------|----------------------------|
| Type of protection | IP 43, IP 55 with 704965 |
| Housing | PC ASA plastic housing |
| Installation | surface mount |
| Weight | approx. 33 g |
| Dimensions | W: 88 mm H: 88 mm D: 21 mm |



Labeling foil set (white) for various international applications.

704955

Housing for small MCP, gray, similar to RAL 7035



Technical Data

Common technical data:

| | |
|--------------------|----------------------------|
| Type of protection | IP 43, IP 55 with 704965 |
| Housing | PC ASA plastic housing |
| Installation | surface mount |
| Weight | approx. 33 g |
| Dimensions | W: 88 mm H: 88 mm D: 21 mm |



Labeling foil set (black) for various international applications.

Surface Mount Housings



The surface mount housing serves as cable entry for surface mount cabling. With integrated support for shielding.

Technical Data

Common technical data:
Dimensions

W: 88 mm H: 88 mm D: 36 mm



Mounting material

704980

Surface mount housing for small MCP, red, similar to RAL 3020

Red, for manual call points Part No. 804970, 804971 and 804973, for small design electronic modules Part No. 804950/51, 804955/56 with housing Part No. 704950.

704981

Surface mount housing for small MCP, blue, similar to RAL 5015

Blue, for small design electronic modules Part No. 804950/51, 804955/56 with housing Part No. 704951.



Can also be used for IQ8TAL. Cable entry requires cable glands Part No. 704147/704148.

704982

Surface mount housing for small MCP, yellow, similar to RAL 1021

Yellow, for small design electronic modules Part No. 804950/51, 804955/56 with housing Part No. 704952.

704983

Surface mount housing for small MCP, orange, similar to RAL 2011

Orange, for small design electronic modules Part No. 804950/51, 804955/56 with housing Part No. 704953.

704984

Surface mount housing for small MCP, green, similar to RAL 6002

Green, for small design electronic modules Part No. 804950/51, 804955/56 with housing Part No. 704954.

704985

Surface mount housing for small MCP, gray, similar to RAL 7035

Gray, for small design electronic modules Part No. 804950/51, 804955/56 with housing Part No. 704955.

704960



Spare glass pane for small MCP, EN54

Spare glass pane with white stick-on foil and printed pictogram in compliance with EN 54-11 (type A). Suitable for small MCPs.

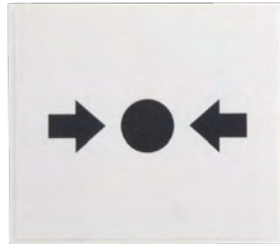
Technical Data

Dimensions

W: 56 mm H: 49.5 mm D: 1.85 mm

 10 pcs

704975



Spare glass pane for small MCP, EN54, neutral

Spare glass pane with white stick-on foil and printed with pictogram according to EN 54-11 (type A), for small manual call points, without logo.

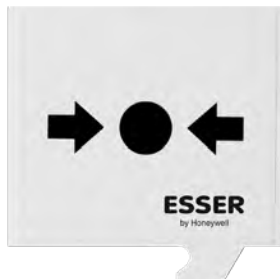
Technical Data

Dimensions

W: 56 mm H: 49.5 mm D: 1.85 mm

 10 pcs

704964



Resettable element for small MCP

Resettable, white plastic, for small manual call points. Typically applied, for instance, in food processing industries or in clean rooms.

Technical Data

Material

ABS

Dimensions

W: 56 mm H: 49.5 mm D: 1.85 mm

Declaration of Performance

DoP-20492130701

 10 pcs



Application example

704961



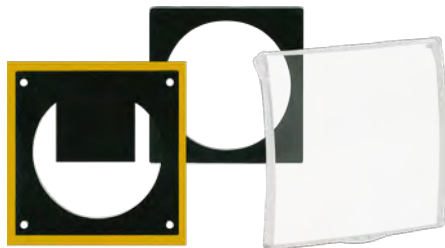
Front foil with universal text for small MCP, white lettering

Universal, punched foil set (transparent with white imprint) for the labeling field, different from the standard pictogram.

 Transparent foil with white lettering!

 10 pcs

704965

Protective kit for MCP and TAL, transparent

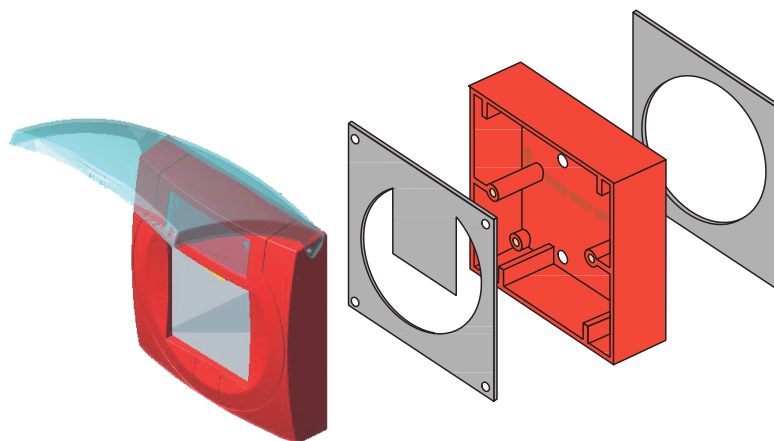
Transparent, suitable for small MCPs. The cover serves as a protection to prevent inadvertent activation and to protect from high humidity.

Technical Data

Material plastic cover, transparent



Cover and two neoprene seals



Application example: Manual call point with mounted cover

704966

Plastic spare key for small MCP

Plastic key, red, suitable for small manual alarm units.



10 pcs

704967

Mounting frame for small MCP, red and white

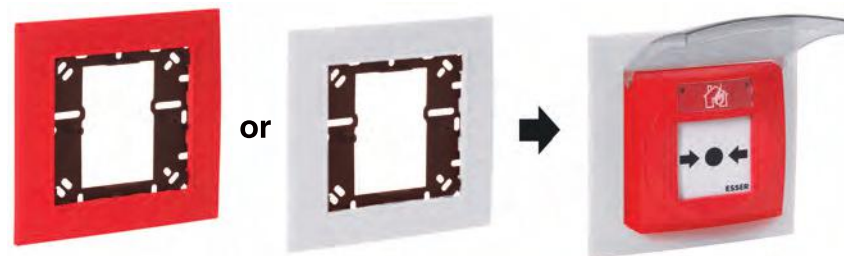
The mounting frame is useful for mounting MCPs on different international flush mount boxes. The frames are also suitable for IQ8Wireless interface Part No. 805601.10/805602.10.

Technical Data

Color red, similar to RAL 3020
white, similar to RAL 9010
Dimensions W: 132 mm H: 132 mm D: 8 mm



2 x Fastening screws are included (red and white)



Application example: Mounting frame with small MCP

Intrinsically Safe

804920.EX

NEW

Features

- High IP protection up to IP 55
- Plug-in terminals
- Standard keys with double function: Open, reset
- Service key with triple function: Test, open, reset
- "Out of Order" marking an inoperative detector by turning the enclosed operating front foil

Large Conventional MCP Ex (i), red with glass pane

Approval: VdS

Standard large intrinsically safe MCP, consisting of electronic module and detector housing, for connection to a conventional zone, especially for use in hazardous areas. Suitable due to the high IP protection up to IP 55 for use in damp rooms.

Technical Data

Common technical data:

| | |
|----------------------------|--------------------------------------|
| Operating voltage | 8 ... 30 V DC |
| Quiescent current @ 9 V DC | 0 µA |
| Alarm current @ 9 V DC | 9 mA |
| Alarm display | LED, red |
| Connection terminal | max. 1,5 mm ² (AWG 30-14) |
| Application temperature | -20 °C ... 70 °C |
| Storage temperature | -30 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 44, IP 55 with shrink sleeve |
| Housing | PC ASA plastic |
| Color | red, similar to RAL 3020 |
| Weight | approx. 236 g (in housing) |
| Dimensions | W: 133 mm H: 133 mm D: 36 mm |
| Declaration of Performance | DoP-21417141219 |

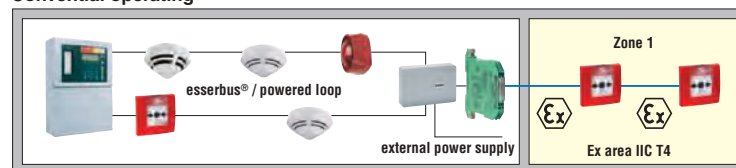


For operation with standard groups ex-barrier Part No. 764744 must be used in zone 1 and zone 2!



- 1 x Glass pane 704910
- 1 x Key 769910
- 1 x Manual call point housing, red
- 1 x IP 55 shrink sleeve

Conventional operating



Ex barrier (Part No. 764744)



esserbus transponder

Application example

804924.EX

NEW**Features**

- High IP protection up to IP 55
- Plug-in terminals
- Standard keys with double function: Open, reset
- Service key with triple function: Test, open, reset
- "Out of Order" marking an inoperative detector by turning the enclosed operating front foil

Large IQ8MCP Ex (i), red with glass pane**Approval: VdS**

Fully addressable large intrinsically safe IQ8MCP, consisting of electronic module and detector housing, for use in the esserbus and powered loop with soft address coding, alarm latch, and alarm indicator. The detector operates like a conventional MCP without the bus connection. IQ8MCP without loop isolator, especially for use in ex-areas. Operation with individual addressing at ex-barrier 804744. Suitable due to the high IP protection up to IP 55 for use in damp rooms.

Technical Data**Common technical data:**

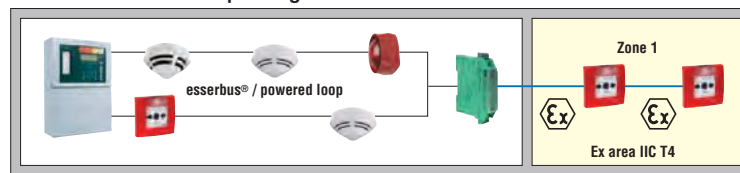
| | |
|-----------------------------|--------------------------------------|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 45 µA |
| Operation indicator | LED, green |
| Alarm display | LED, red |
| Connection terminal | max. 1,5 mm ² (AWG 30-14) |
| Application temperature | -20 °C ... 70 °C |
| Storage temperature | -30 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 44, IP 55 with shrink sleeve |
| Housing | PC ASA plastic |
| Color | red, similar to RAL 3020 |
| Weight | approx. 236 g (in housing) |
| Dimensions | W: 133 mm H: 133 mm D: 36 mm |
| Declaration of Performance | DoP-21418141219 |



For operation with individual addressing ex-barrier Part No. 804744 must be used for use in zone 1 and zone 2!



- 1 x Glass pane 704910
- 1 x Key 769910
- 1 x Manual call point housing, red
- 1 x IP 55 shrink sleeve

Individual addressable operating

Ex barrier (Part No. 804744)

Application example

804960.EX

NEW**Features**

- High IP protection class IP 66 & IP 67
- Triple key function (test, open, reset)
- Plug-in terminals
- "Out of Order" indication of an inoperative alarm by flipping over the glass pane

Small conventional MCP Ex (i) IP 66/67, red with glass pane**Approval: VdS**

The small compact version has detector housing, surface mount housing, transparent cover, and alarm indicator. For connection to a conventional zone for use in ex-areas. Suitable for use in damp rooms thanks to the high IP 66/67 IP protection. Surface mounting housing is provided with break-out cable entries for M20 cable glands (optional) for easy installation.

Technical Data**Common technical data:**

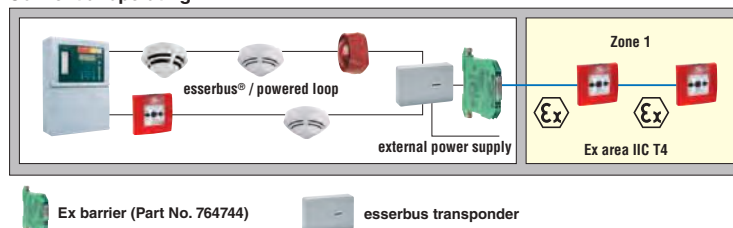
| | |
|----------------------------|---|
| Operating voltage | 8 ... 30 V DC |
| Alarm current @ 9 V DC | 9 mA |
| Alarm display | red LED and yellow actuation indicator |
| Connection terminal | max. 1,5 mm ² (AWG 30-14) |
| Application temperature | -20 °C ... 70 °C |
| Storage temperature | -30 °C ... 75 °C |
| Housing | PC ASA plastic |
| Color | red, similar to RAL 3020 |
| Weight | approx. 255 g |
| Dimensions | W: 88 mm H: 88 mm D: 63 mm (with surface mount housing) |
| Declaration of Performance | DoP-21415141219 |



Use M20 cable glands with 15 mm connecting thread length and sealing ring, e.g. blueglobe by Pflitsch (cable gland Part No.: bg 820PA/sealing ring Part No.: DRF 220).
For operation with standard groups ex-barrier Part No. 764744 must be used in zone 1 and zone 2!



- 1 x Glass pane 704960
- 1 x Key 704966
- 1 x Surface mounting housing
- 1 x Transparent cover

Conventional operating

Application example

804961.EX

Small IQ8MCP Ex (i) IP 66/67, red with glass pane

NEW**Features**

- High IP protection class IP 66 & IP 67
- MCP with individual addressing in the hazardous area
- Triple key function (test, open, reset)
- Plug-in terminals
- "Out of Order" indication of an inoperative alarm by flipping over the glass pane

Approval: VdS

The small compact fully addressable (esserbus) intrinsically safe MCP version has detector housing, surface mount housing, transparent cover, and alarm indicator. For use in the esserbus and powered loop with soft address coding, alarm latch and alarm indicators. The detector operates like a conventional MCP without the bus connection.


IQ8MCP without loop isolator, especially for use in ex-areas.


Suitable for use in damp rooms thanks to the high IP 66/67 IP protection.

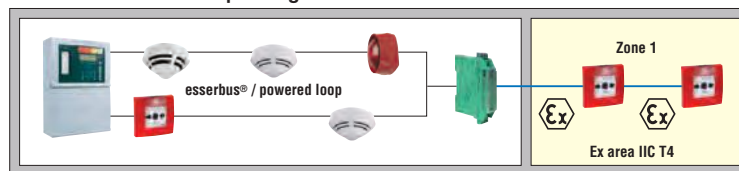
Surface mounting housing is provided with break-out cable entries for M20 cable glands (optional) for easy installation.

Technical Data**Common technical data:**

| | |
|-----------------------------|---|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 45 µA |
| Operation indicator | LED, green |
| Alarm display | red LED and yellow actuation indicator |
| Connection terminal | max. 1,5 mm ² (AWG 30-14) |
| Application temperature | -20 °C ... 70 °C |
| Storage temperature | -30 °C ... 75 °C |
| Housing | PC ASA plastic |
| Color | red, similar to RAL 3020 |
| Weight | approx. 255 g |
| Dimensions | W: 88 mm H: 88 mm D: 63 mm (with surface mount housing) |
| Declaration of Performance | DoP-21416141219 |

-  Use M20 cable glands with 15 mm connecting thread length and sealing ring, e.g. blueglobe by Pflitsch (cable gland Part No.: bg 820PA/sealing ring Part No.: DRF 220).
For operation with individual addressing ex-barrier Part No. 804744 must be used for use in zone 1 and zone 2!

-  1 x Glass pane 704960
1 x Key 704966
1 x Surface mounting housing
1 x Transparent cover

Individual addressable operating

 Ex barrier (Part No. 804744)

Application example

Outdoor

761694

Addressable MCP, IP66

**Approval: VdS**

Addressable manual call point in conformity with EN 54-11 type B with loop isolator for manually triggering fire alarms or hazard alarms. For outdoor application or application in damp environments.

Technical Data**Common technical data:**

| | |
|-----------------------------|--|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 45 µA |
| No. of detector/zone | max. 10 (according to VdS), 127 / loop |
| Alarm display | LED, red |
| Connection terminal | max. 1.5 mm ² |
| Application temperature | -20 °C ... 70 °C |
| Storage temperature | -25 °C ... 75 °C |
| Type of protection | IP 66 |
| Housing | PC-plastic |
| Color | red, similar to RAL 3000 |
| Weight | approx. 475 g |
| Dimensions | W: 135 mm H: 135 mm D: 61 mm |
| Declaration of Performance | DoP-20882130701 |



Please take note, our Part No. 769910 and 769911 can be used as spare keys. To indicate that the detector is "Out-of-order" the operator has to insert the paper inlay, which has a corresponding pictogram and wording.



1 x Glass 704910
1 x Key and "Out of order" sign or "Außer Betrieb"

Accessories

704910 Spare glass for MCP
769910 Plastic key for large MCP
769911 Metal key for large MCP

Explosion-Proof

761697

Explosion-proof conventional MCP, IP66



Features

- An Ex-barrier for the connection will be not necessary

Approval: VdS

Explosion-proof encapsulated conventional manual call point for hazardous areas in conformity with EN 54-11 Type B for the manual actuation of a fire alarm and/or a hazard alarm, as a detector for usage in explosion-hazardous areas both inside and outside.

The operating front foil has been designed as a double-sided insert. Complementary to the symbolism conforming to the standards for manual call points in compliance with EN 54-11 (Type B), it has a symbol and multilingual text on the back for the "Out of order" status of the detector and is always available for possible maintenance work.

The labeling foil of the manual call point also has a double-sided design. In compliance with EN 54-11, it contains the standard symbol of a burning house. On the back, the symbol is supplemented with the word "FIRE" (multilingual).

Technical Data

Common technical data:

| | |
|-------------------------|--|
| Operating voltage | 12 ... 24 V DC |
| Alarm current | approx. 9 mA |
| No. of detector/zone | max. 10 detectors per Zone (according to VdS) |
| Circuit | 1 k/10 k (internal) |
| Connection terminal | 0.6 mm ... 4 mm ² |
| Application temperature | -55 °C ... 65 °C |
| Storage temperature | -55 °C ... 85 °C |
| Air humidity | < 95 % |
| Housing | Glass fiber reinforced polyester resin / Menzolit BMC 2600 (chemical stable) |
| Color | red, similar to RAL 3000 |
| Weight | approx. 1.8 kg |
| Detector specification | DIN 14678 Form K |
| Dimensions | W: 136 mm H: 138 mm D: 88 mm |



Successor for Part No. 761696.

Connection to esserbus / esserbus-PLus via IQ8TAL Part No. 804868 possible. Please note, an Allen key (size 4) is needed for opening and resetting the MCP, and is not included in the scope of delivery.



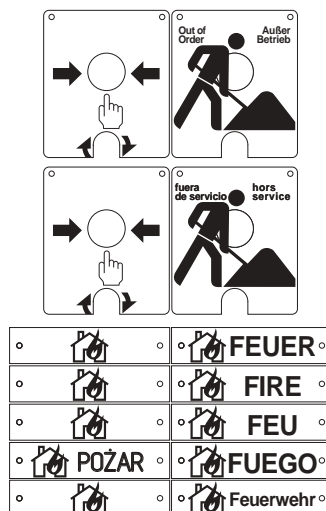
1 x Glass pane 704910

1 x Kit of double-sided operating front foil (with "Out of order" on the back)

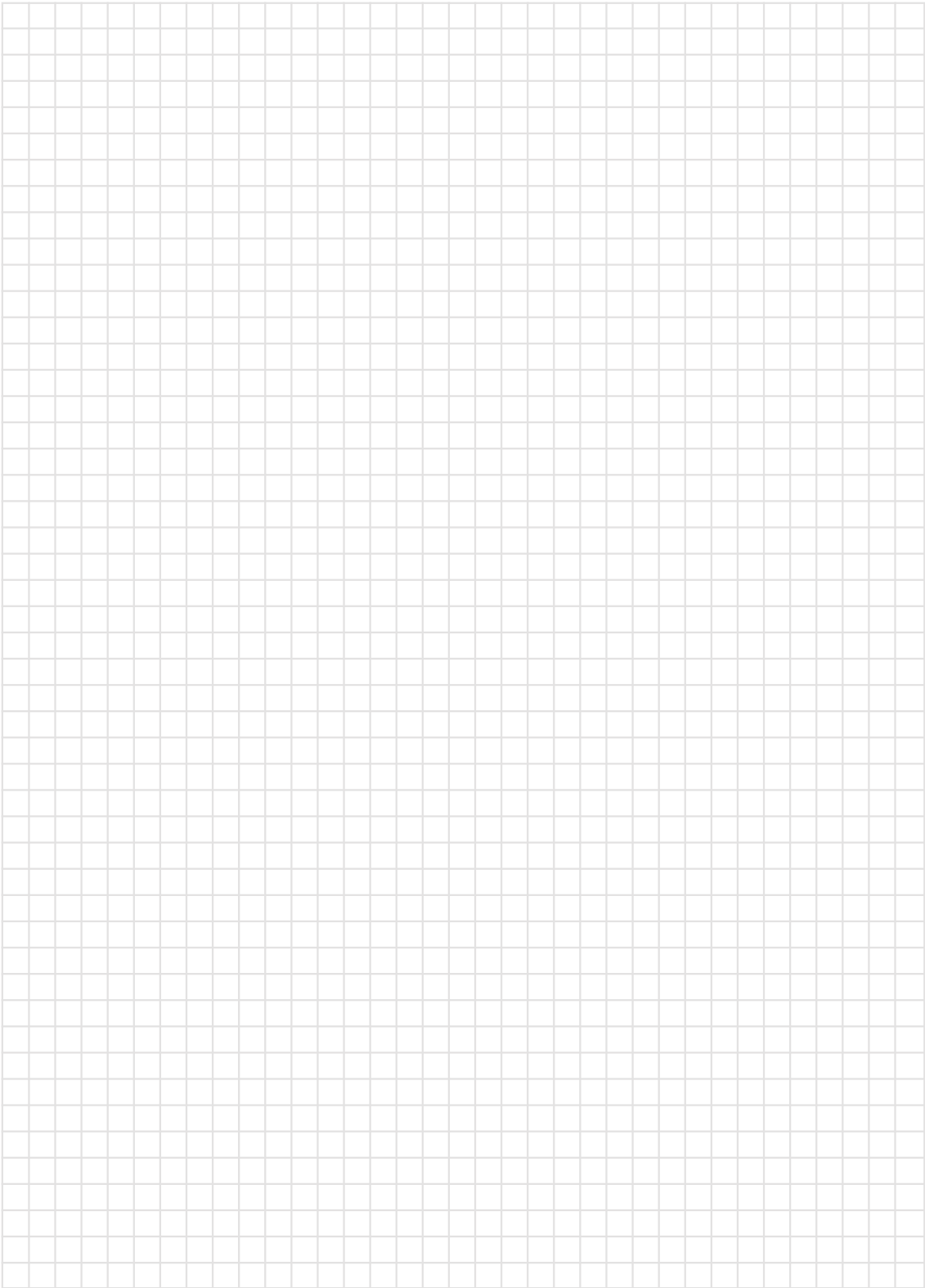
1 x Kit of double-sided labeling foil (multilingual)

Accessories

704910 Spare glass pane for MCP housings



Operating front foils and labeling foils





Transponders and I/O Modules

esserbus

214-231

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

Professional fire detection systems are expected to provide more than reliable fire detection and signaling alarms to the fire brigade. Over time, the continuous progress in technical units has led to many improvements in monitoring and control systems. At the same time the specifications of the European standards are becoming more and more demanding.

Essentially the assortment consists of the so-called "alarm transponder" which is used for both the connection of non-addressable detectors (point-type detectors, manual detectors and special detectors) as well as for the operation of conventional alarm signaling devices (signaling devices, signal flasher and combination alarm signaling devices). Monitoring of the lines in accordance with the latest standards is ensured via "EOL modules" (end-of-line modules).

The second part is formed by the "FCT" (fire control transponder) and the IQ8TAL being loop-powered input and output transponders with a contact input and a floating relay output for monitoring of contacts and transmission of technical alarms for equipment monitoring.

These modules with low power consumption are for interfacing to other disciplines which are not a part of the fire detection system itself. Thanks to their intelligent concept they significantly expand the range of monitoring and control functions as part of the building management.

Take note, esserbus transponders need ONLY ONE loop address per device, anyway how much inputs or outputs are switched - i.e. in case that more than one input/output per device is needed, this feature reduces the quantity of transponders needed!

808623

esserbus alarm transponder, 4 IN/2 OUT with isolator



Features

- Only one loop address is needed per transponder
 - Digital inputs
 - Integrated loop isolator
 - Conventional connection of standard fire detectors and signaling devices
 - Loop monitoring in compliance with EN 54-13
 - Integrated loop isolator
 - Programmable relay outputs
 - Programmable relay reset function
 - Max. 100 transponders per FACP
 - Max. 31 transponders per loop
 - Max. 127 detector zones per loop
-
- Detector numbers per zone input of the transponder:
 - Max. 30 conventional detectors (without SOC)
 - Max. 10 conventional detectors (with SOC)
 - Max. 10 Manual call points (MCP)
 - Max. 10 Technical Alarm Modules (TAM)
 - Max. 5 audible alarm devices per each output (observe calculation table in tools 8000)

Approval: VdS, FM

The esserbus transponder functions as a device on the multi-functional primary line. The connection of four zones with automatic standard detectors, manual call points (non-addressable) as well as special detectors is possible. In addition, two programmable relay outputs are also available.

Both relay outputs of the transponder may be used to reset a connected third-party detector. The reset function relates to the corresponding special detector, e.g. by switching the appropriate input to GND or by a short interruption of the detectors supply voltage. Therefore, the control mode >Reset-Relay< as well as the desired relay operation mode (normally closed or open) must be configured with the programming software tools 8000 from V1.15 and above. The relay output will be activated for the selected reset time (1 to 14 seconds) if the assigned input (G1 for relay 1/G2 for relay 2) of the transponder is reset. Refer to the detectors manual for the required reset time. Monitoring via the EOL terminating devices (Part No. 808624/808626) is required for the connection of fire detectors and for the controlling of alarm signaling devices. The enclosed resistors can be used to connect the floating contacts.

The esserbus alarm transponder requires an external voltage supply for operation of 4 monitored inputs. An optional Voltage Converter (Part No. 781336) is also required for 12 V DC operation. The esserbus alarm transponder external voltage supply can be monitored during operation. The EOL-I terminating device (Part No. 808626) must be used for standard-compliant monitoring of detector zone inputs. The EOL-O (Part No. 808624) must be used for standard-compliant monitoring of connected alarm signaling devices.

Technical Data

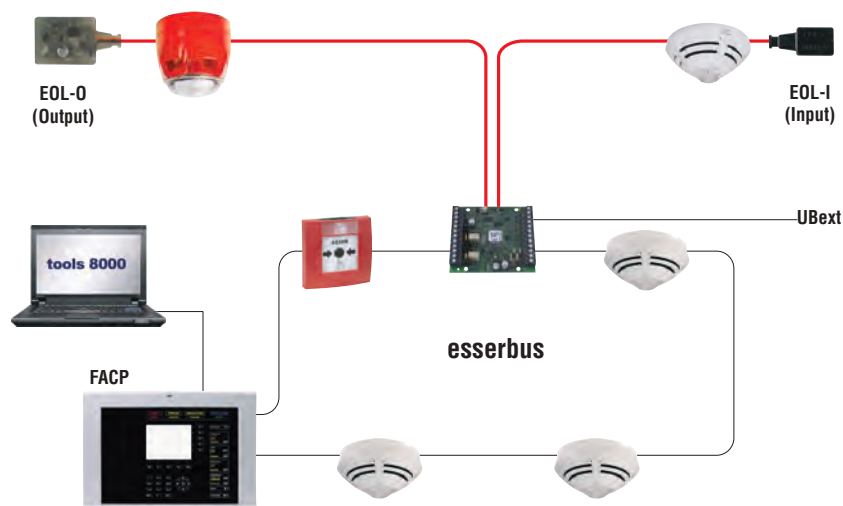
| | |
|-----------------------------|----------------------------|
| Operating voltage | 10 ... 30 V DC |
| Quiescent current @ 12 V DC | approx. 12 mA |
| Current consumption | max. 120 mA @ 12 V DC |
| Contact load relay | 30 V DC / 1 A |
| Ambient temperature | -10 °C ... 50 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 (in housing) |
| Weight | approx. 28 g |
| Dimensions | W: 82 mm H: 72 mm D: 20 mm |
| Declaration of Performance | DoP-21057130701 |



Installation accessory pack

Accessories

- 788603.10 Module housing for snap-on mounting rail
- 788600 Housing surface mount, gray
- 788650.10 Housing surface mount, white
- 788601 Housing flush mount, gray
- 788651.10 Housing flush mount, white
- 781336 DC/DC converter output voltage
- 808624 EOL-O Terminating device
- 808626 EOL-I Terminating device



808623.40

NEW



Features

- 4 detector group inputs for conventional connection of special fire detectors
- Line monitoring acc. to EN 54-13 possible
- Integrated loop isolator
- 2 programmable relay outputs for reset of the special detector with flexible reset times

esserbus transponder for special detectors

For connection of special detectors and associated reset functions with evaluation of pre-alarm, fault and alarm. The transponder module can be adapted to the different reset behaviour of the connected special detectors.

The inputs and outputs of the transponder can be linked together in such a way that switching on or resetting a signal input leads to short-term activation of the reset input of the special detector. In order, to support various special detectors, the inputs of the transponder can be programmed with a suppression time of up to 255 seconds at reset.

Technical Data

| | |
|-----------------------------|----------------------------|
| Operating voltage | 10 ... 30 V DC |
| Quiescent current @ 12 V DC | approx. 12 mA |
| Current consumption | max. 120 mA @ 12 V DC |
| Contact load relay | 30 V DC / 1 A |
| Ambient temperature | -10 °C ... 50 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 (in housing) |
| Weight | approx. 28 g |
| Dimensions | W: 82 mm H: 72 mm D: 20 mm |
| Declaration of Performance | DoP-21057130701 |



The transponder can only be operated at a FlexES Control with the above mentioned features. At IQ8Control and Compact series control panels, the loop devices behaves like an Alarm transponder.

Minimum requirements:

Tools 8000 ≥ V1.25R000

FlexES Control ≥ V4.07R000 (Container V1.06)



available from Q3/2019

808623.10

esserbus transponder for UniVario with isolator



Features

- Only one loop address is needed per transponder
- Digital input
- Loop monitoring in compliance with EN 54-13
- Integrated loop isolator
- Programmable relay outputs
- Programmable relay reset function
- Max. 100 transponders per fire alarm control panel
- Max. 31 transponders per loop
- Max. 127 detector zones per loop
- Max. 1 UniVario detector per zone input of the transponder
- Max. 2 UniVario detectors per transponder

- Detector numbers per zone input of the transponder:
- Max. 30 conventional detectors (without SOC)
- Max. 10 conventional detectors (with SOC)
- Max. 10 Manual call points
- Max. 10 Technical Alarm Modules (TAM)
- Max. 5 audible alarm device (observe calculation table in tools 8000)

Approval: VdS

The interface connects max. 2 industrial detectors from the UniVario product range. These detectors are supplied with energy via the 9 V DC group voltage input. For meeting the standard requirements of monitoring, an EOL-UV terminal element is connected to the detector base of the UniVario detector. The interface requires external voltage supply. Additionally, two optionally monitored relay outputs are available.

Technical Data

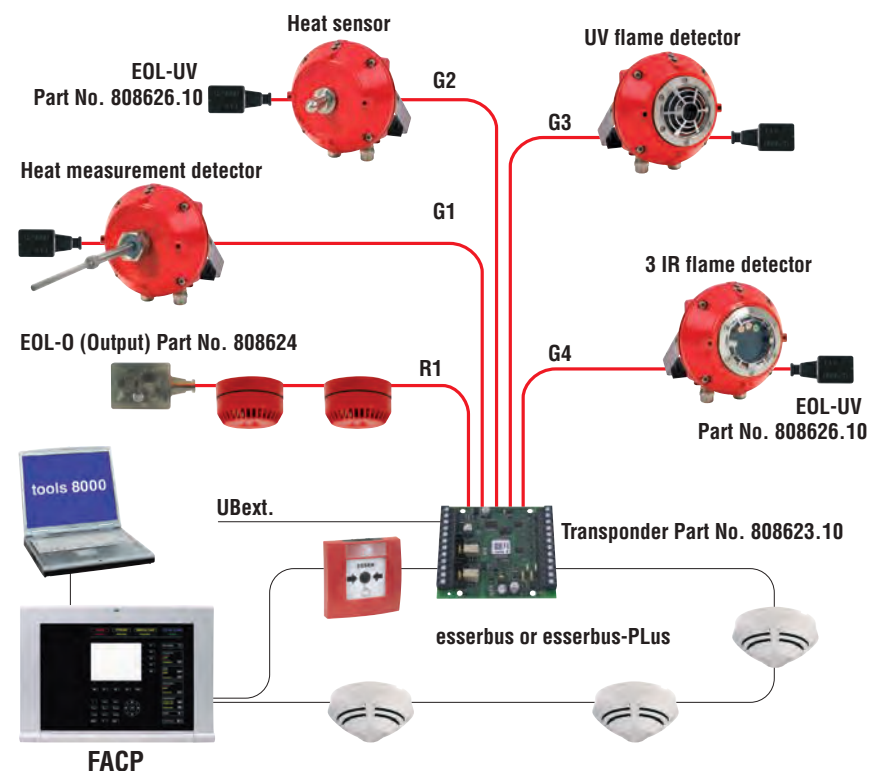
| | |
|-----------------------------|----------------------------|
| Operating voltage | 10 ... 30 V DC |
| Quiescent current @ 12 V DC | approx. 12 mA |
| Current consumption | max. 120 mA @ 12 V DC |
| Contact load relay | 30 V DC / 1 A |
| Ambient temperature | -10 °C ... 50 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 (in housing) |
| Weight | approx. 28 g |
| Dimensions | W: 82 mm H: 72 mm D: 20 mm |
| Declaration of Performance | DoP-21057130701 |



Installation Accessory Pack

Accessories

| | |
|-----------|--|
| 808626.10 | EOL-UV terminating for 808623.10 |
| 781337 | DC/DC converter output voltage 24 V DC |
| 808624 | EOL-O terminating device |



Application example

804981

IQ8FCT electronic module with isolator for FCT



Pluggable electronic module for FCT expansion with another monitoring contact input.

Technical Data

| | |
|-----------------------------|-------------------|
| Quiescent current @ 19 V DC | approx. 45 µA |
| Alarm current | approx. 9 mA |
| No. of detector/zone | max. 127 per loop |
| Operation indicator | green LED |
| Alarm display | red LED |
| Declaration of Performance | DoP-20991130701 |

Features

- Tool-free installation on the FCT through simple connection of the module
- Contact input for monitoring fire event controls
- Addressable for individual localization of the fire event control
- Integrated line isolator



Pluggable electronic module for expansion by a contact input

804980

IQ8TAL electronic module with isolator for FCT

Features

- Tool-free assembly on the FCT by simply attaching the module
- Contact input to trigger a switching function
- Individually programmable make or break contacts
- Integrated loop isolator

Same as 804981 but, with TAL (Technical Alarm) functionality (1 input/1 output).

Technical Data

| | |
|-----------------------------|-------------------|
| Quiescent current @ 19 V DC | approx. 45 µA |
| Alarm current | approx. 9 mA |
| No. of detector/zone | max. 127 per loop |
| Operation indicator | green LED |
| Alarm display | red LED |
| Declaration of Performance | DoP-20991130701 |

808606

NEW

Features

- Up to 127 devices per esserbus loop
- One contact input and one potential free relay output
- Connection for parallel remote indicator
- Power supply via the field bus esserbus
- Programmable impulse control for relay output
- Programmable run-time monitoring (fire dampers)
- Programmable relay output NO/NC
- Relay outputs with programmable on/off impulse lengths (for time-limited controls)
- Contact input for monitoring fire event controls
- Integrated loop isolator
- Plug-in connection terminals
- Installation on top-hat rail

esserbus transponder IQ8FCT XS

Approval: VdS

The IQ8FCT XS can be used as FCT (fire control transponder) to control and monitor external fire protection devices like fire dampers or as a technical alarm module (TAL) to monitor an external contact and control external load (*).

The transponder is connected on the esserbus / esserbus-PLUS loop of fire control system FlexES Control, IQ8Control and Compact.

The IQ8FCT XS provides an integrated loop isolator, contact input as well as a relay output and a connector for parallel remote LED indicator.

The module is powered by the field bus and does not require external voltage supply.

In the FCT functionality a fire control device e.g. fire damper will be connected to the relay output of the IQ8FCT XS and controlled. Via the input the end positions of this external device are monitored according to the programming with configured runtime.

In the TAL functionality an external contact can be connected and monitored via the input of the IQ8FCT XS. In case of an activation of this contact, the address and programmed additional text of the corresponding technical alarm module IQ8FCT XS will be displayed. To monitor this contact an optional monitoring module (Part No. 804870) or alternatively an external resistor combination needs to be used. Cable length to the contact can be up to 500 meters.

For external indication of activation status, a parallel remote LED indicator (Part No. 781804, 781814 or 801824) can be connected (cable length up to 100 m).

The IQ8FCT XS can be mounted in the housing of the fire alarm control panel or in a switch cabinet on a top-hat rail or in optional surface-mounted housing (see accessories).

(*) To control fire protection equipment the local and regional requirements / regulations must be observed.

Technical Data

| | |
|-----------------------------|--|
| Operating voltage | 14 ... 42 V DC |
| Quiescent current @ 19 V DC | approx. 45 µA |
| Operation indicator | green LED |
| Alarm display | red LED |
| Ambient temperature | -20 °C ... 70 °C |
| Storage temperature | -30 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 30 (in housing) IP 50 (in housing M200SMB) |
| Color | gray, similar to RAL 7035 |
| Weight | approx. 90 g |
| Dimensions | W: 90 mm H: 93 mm D: 23 mm |
| Declaration of Performance | DoP-20792130701 |



Replacement for Part No. 804869

For a standard-compliant control of fire protection equipment the FCT should be installed directly next to or in the control unit.

The IQ8FCT cannot be operated on the following systems:

FACP 80, System 3000 (FACP 3007/3008), FACP 8008, FACP 8000 C/M, Extinguishing System 8010



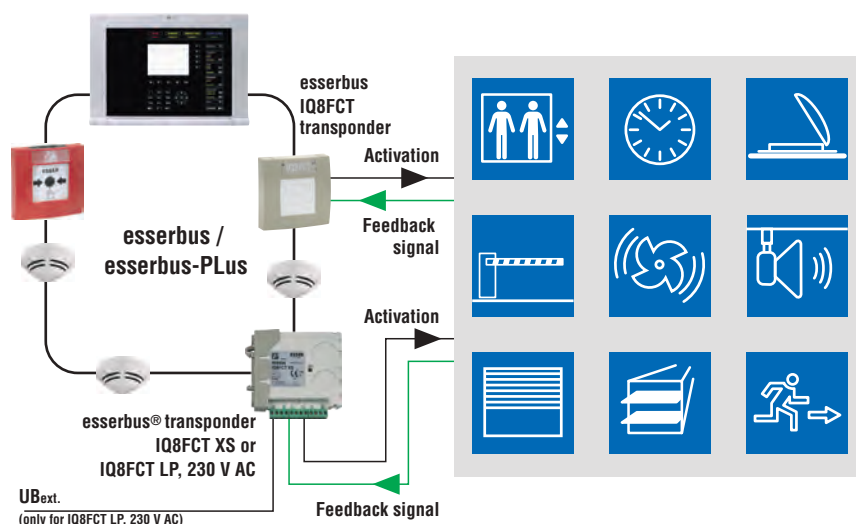
DIN rail housing is included

Accessories

M200SMB Surface mounting box for 1x IQ8FCT XS

SMB6-V0 Surface mounting housing for 6 x IQ8FCT XS

804870 Alarm and monitoring module



808621

esserbus transponder IQ8FCT LP

NEW

Features

- Intelligent fire event controls via programmable logics of the input and output of the FCT
- Programmable run-time monitoring (controls of fire dampers)
- Programmable time-limited impulse controls for relay output
- Configurable fail safe functionality for relay output
- Contact input for monitoring fire event controls
- Output switching load up to 230 V AC / 16 A
- Up to 127 devices per esserbus loop
- Power supply via the field bus esserbus-PLUS
- Integrated loop isolator
- Robust IP 65 protected surface mount housing

Approval: VdS

The IQ8FCT LP (loop powered) can be used as FCT (fire control transponder) to control and monitor external fire protection devices like fire dampers or as a technical alarm module (TAL) to monitor an external contact (*).

The transponder is connected on the esserbus / esserbus-PLUS loop of fire control system FlexES Control, IQ8Control and Compact.

The IQ8FCT LP provides an integrated loop isolator, contact input as well as a potential free relay output, with which the mains voltage 230 V AC / 16 A can be switched directly.

The module is powered by the field bus and does not require external voltage supply.

In the FCT functionality a fire control device e.g. fire damper will be connected to the relay output of the IQ8FCT LP and controlled. Via the input the end positions of this external device are monitored according to the programming with configured runtime.

The IQ8FCT LP is also equipped with configurable fail save functionality. If enabled, a communication loss with control panel or failure of the esserbus operating voltage results in automatic self-activation of relay output.

In the TAL functionality, an external contact can be connected and monitored via the input of the IQ8FCT LP. In case of an activation of this contact, the address and programmed additional text of the corresponding technical alarm module IQ8FCT LP will be displayed. To monitor this contact an optional monitoring module (Part No. 804870) or alternatively an external resistor combination needs to be used. Cable length to the contact can be up to 500 meters.

The IQ8FCT LP is delivered in a robust IP 65 protected surface mount housing.

(*) To control fire protection equipment the local and regional requirements / regulations must be observed.

Technical Data

| | |
|-----------------------------|------------------------------|
| Operating voltage | 14 ... 42 V DC |
| Quiescent current @ 19 V DC | approx. 45 µA |
| Operation indicator | green LED |
| Alarm display | red LED |
| Ambient temperature | -20 °C ... 70 °C |
| Storage temperature | -30 °C ... 75 °C |
| Air humidity | < 95 % |
| Housing | PP plastic |
| Color | gray, similar to RAL 7035 |
| Weight | approx. 250 g |
| Dimensions | W: 150 mm H: 116 mm D: 67 mm |
| Declaration of Performance | DoP-20792130701 |



The activation of the Fail Safe functionality needs tools 8000 from version 1.24!

Replacement for Part No. 808600.230, 808600.24.

For a standard-compliant control of fire protection equipment the FCT should be installed directly next to or in the control unit.

The IQ8FCT cannot be operated on the following systems:

FACP 80, System 3000 (FACP 3007/3008), FACP 8008, FACP 8000 C/M, Extinguishing System 8010.

Accessories

804870 Alarm and monitoring module

808610.10

esserbus transponder 12 relays (8 bit)



Features

- Only one loop address is needed per transponder
- Max. 100 transponders per FACP
- Max. 32 transponders per loop
- Max. 32 transponders per detector zone

Approval: VdS, BOSEC

The esserbus transponder works as a loop device on the multi-functional primary line. With the 12 relays module, it is possible to expand the number of control zones per control unit. Depending on the control unit, it can be integrated or used with fire detectors in mixed operation. The esserbus transponder can be optionally extended by adding the additional isolator board Part No. 788612. esserbus transponder voltage supply: via the multi-functional primary line. The esserbus transponder can be wired with an external switching voltage of 12V DC or 24V DC for the K1 to K12 relays. The external voltage supply of the transponder can be programmed to be monitored in the customer data in the operating mode. In the "floating" operating mode, no external switching voltage of the relays is necessary. 11 relays are freely programmable. The maximum line length from the transponder to the external device is up to 1000 m.

Technical Data

| | |
|-------------------------------|---|
| Operating voltage | 10 ... 28 V DC |
| Quiescent current @ 19 V DC | approx. 250 µA |
| Current consumption @ 12 V DC | approx. 3 mA |
| Contact load relay | 30 V DC / 1 A (max. 3 A each transponder) |
| Ambient temperature | -10 °C ... 50 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 (with housing) |
| Weight | approx. 110 g |
| Dimensions | W: 150 mm H: 82 mm D: 20 mm |
| Declaration of Performance | DoP-20611130701 |



No monitored control according to EN 54 possible

Accessories

| | |
|-----------|---|
| 788612 | Loop isolator PCB |
| 788600 | Surface mounting housing gray, similar to RAL 7035 |
| 788650.10 | Surface mounting housing white, similar to RAL 9003 |
| 788601 | Flush mounting housing gray, similar to RAL 7035 |
| 788651.10 | Flush mounting housing white, similar to RAL 9003 |

808611.10

esserbus transponder 32 LED



Features

- Only one loop address is needed per transponder
- Max. 100 transponders per FACP
- Max. 32 transponders per loop
- Max. 32 transponders per detector zone

Approval: VdS, BOSEC

The esserbus transponder works as a loop device on the multi-functional primary line. This esserbus transponder module has 32 outputs for direct LED control (e. g. tableau). For each output, a terminal screw is provided on the switching mechanism. The outputs can be used plus or minus switching (by programming). On a loop a max. of 32 esserbus transponder can be connected. By mounting the additional isolator board (Part No. 788612) this device can be extended. The esserbus transponder requires an external power supply. The external power supply of the transponder can be monitored and programmed in the operating mode. The maximum cable length from transponder to the external device is up to 100 m.

Technical Data

| | |
|-----------------------------|-----------------------------|
| Operating voltage | 10 ... 15 V DC |
| Quiescent current @ 12 V DC | approx. 3 mA |
| Ambient temperature | -10 °C ... 50 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 (with housing) |
| Weight | approx. 95 g |
| Dimensions | W: 150 mm H: 82 mm D: 20 mm |
| Declaration of Performance | DoP-20611130701 |



Monitored triggering according to EN 54 not possible
Operation on a FlexES Control or Compact FACP only in conjunction with voltage converter Part No. 781336.

Accessories

| | |
|-----------|---|
| 788612 | Loop isolator PCB |
| 788600 | Surface mounting housing gray, similar to RAL 7035 |
| 788650.10 | Surface mounting housing white, similar to RAL 9003 |
| 788601 | Flush mounting housing gray, similar to RAL 7035 |
| 788651.10 | Flush mounting housing white, similar to RAL 9003 |

808613.30

esserbus transponder SIE for 3rd party extinguishing panels



Features

- Only one loop address is needed per transponder
- Max. 100 transponders per FACP
- Max. 31 transponders per loop
- Max. 32 transponders per detector zone

Approval: VdS

The esserbus transponder SIE is designed for operation as Standard Interface Extinguishing (SIE) for the analog loop (esserbus / esserbus-PLus) of the Fire Alarm System 8000, IQ8Control and FlexES Control.

An external power supply of 12 V DC or 24 V DC can be connected to the esserbus transponder. The voltage converter (Part No. 781336) is required for 12 V DC operation. The transponder's external voltage supply can be programmed with supervision.

Technical Data

| | |
|-----------------------------|----------------------------|
| Operating voltage | 10 ... 28 V DC |
| Quiescent current @ 12 V DC | approx. 10 mA |
| Current consumption | max. 120 mA |
| Ambient temperature | -10 °C ... 50 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 (with housing) |
| Weight | approx. 28 g |
| Dimensions | W: 82 mm H: 72 mm D: 20 mm |
| Declaration of Performance | DoP-20614130701 |



1 x Additional equipment pack with 3.3 k and 680 R terminating resistor for SST

Accessories

| | |
|-----------|--|
| 788603.10 | Module housing for C-mounting bar or top hat rail mounting |
| 788600 | Housing surface mount, gray |
| 788650.10 | Housing surface mount, white |
| 788601 | Housing flush mount, gray |
| 788651.10 | Housing flush mount, white |
| 788612 | Loop isolator PCB |
| 781336 | DC/DC converter output voltage |

808619.10

esserbus FSA transponder for fire doors



Features

- Only one loop address is needed per transponder
- Usage of Series 9200 intelligent detectors (such as OT, OTI, O²T detectors) as FSA detectors is possible
- Connection of IQ8Quad O detectors (Part No. 802371), TD Detectors (Part No. 802271), OT detectors (Part No. 802373) and O²T detectors (Part No. 802374) (DIBt-approved) as FSA detectors is possible
- FSA detectors programmable as devices in the loop
- Status indicator of door arrester system to the FACP
- Actuation of the locking device also via the automatic fire detectors in non-FSA operation
- Stand-alone operation of the FSA transponders is possible
- Usage of IQ8Quad O detectors (Part No. 803371), TD detectors (Part No. 803271) and O²T detectors (Part No. 803374) in stand-alone operation of the FSA transponders to the standard detector group is possible
- Max. 100 transponders per FACP
- Max. 32 transponders per analog loop
- Max. 127 detector zones per analog loop
- Detector numbers per zone input of the transponder:
 - Max. 30 conventional detectors (without SOC)
 - Max. 10 conventional detectors (with SOC)
 - Max. 10 Manual call points
 - Max. 10 Technical Alarm Modules (TAM/TAL)

Approval: VdS

The transponder is suitable for usage for various applications: in stand-alone operation or on the esserbus. In esserbus operation, the Series 9200 automatic fire detectors and those of the IQ8Quad family (see features for types) can be used as detectors in door arrester systems (FSA - Fire, Failure and Shut-Off). In FSA transponder loop operation, the door arrester system status is indicated on the fire alarm control panel.

For stand-alone operation, detectors of the IQ8Quad family are supported without loop isolator (see features for types).

For operation, the transponder requires an external supply voltage. It is possible to monitor this voltage.

Technical Data

| | |
|-----------------------------|---------------------------------------|
| Operating voltage | 10 ... 28 V DC |
| Quiescent current @ 12 V DC | approx. 6 mA (from UB ext) |
| Current consumption | max. 28 mA (from UB ext) |
| Contact load relay | max. 30 V DC/1 A or 48 V DC/0,5 A |
| Ambient temperature | -5 °C ... 50 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 (with housing) |
| Weight | approx. 70 g |
| Dimensions | W: 72 mm H: 65 mm D: 20 mm (PC Board) |
| Declaration of Performance | DoP-20614130701 |



Corresponding connection examples for FSA transponder operation in stand-alone operation or as a device in the fire detection System 8000 can be found in the chapter containing automatic door release systems.



24 h

Accessories

| | |
|-----------|--|
| 788612 | Loop isolator PCB |
| 788603.10 | Module housing for C-mounting bar or top hat rail mounting |
| 788600 | Housing surface mount, gray |
| 788650.10 | Housing surface mount, white |
| 788601 | Housing flush mount, gray |
| 788651.10 | Housing flush mount, white |

808630.10



Features

- For connection of 3rd party detectors
- Only one loop address is needed per transponder
- Max. 100 transponders per FACP
- Max. 31 transponders per loop
- Output current max. 125 mA per detector zone
- The detector states "prealarm" or "detector fault" may also be displayed
- Variable reset delay of the detector zone (0 to 15 seconds)
- The detector zones can be operated in 'dual-detector dependency type B'
- Two relays with programmable operating modes
- Programmable with the service and programming software tools 8000 - Monitoring of the external power supply is possible
- The 24 V DC detector zone voltage is generated inside the module

esserbus transponder RZT, 24 V

Approval: VdS

The refurbishment zone transponder is a stand-alone participant on the esserbus for the fire alarm system 8000, IQ8Control and FlexES Control FACP. Individual automatic fire detectors and manual call points (conventional technology) from other manufacturers can be connected to the 4 zone inputs. The voltage of all 4 zones can be configured to 24 V via the internal DC/DC module. An additional reset module is not required to operate third-party detectors. The two relay outputs are available for general control purposes. Programmable with the programming software tools 8000 Version V2.40 or higher.

Technical Data

| | |
|----------------------------|-----------------------------------|
| Operating voltage | 10.5 ... 15 V DC |
| Contact load relay | max. 30 V DC/1 A or 48 V DC/0,5 A |
| Ambient temperature | -10 °C ... 50 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Weight | approx. 150 g |
| Dimensions | W: 150 mm H: 82 mm D: 20 mm |
| Declaration of Performance | DoP-20615130701 |



Whether or not a connection is possible must be individually checked in advance by the technical sales department.



24 h

Accessories

| | |
|-----------|------------------------------|
| 788612 | Loop isolator PCB |
| 788600 | Housing surface mount, gray |
| 788601 | Housing flush mount, gray |
| 788650.10 | Housing surface mount, white |
| 788651.10 | Housing flush mount, white |
| 788605 | Mounting kit |

808631.10

esserbus transponder RZT, 12 V

Same as 808630.10, but rated voltage is 12 V DC, not configurable.

Technical Data

| | |
|----------------------------|-----------------------------------|
| Operating voltage | 10.5 ... 13.8 V DC |
| Contact load relay | max. 30 V DC/1 A or 48 V DC/0,5 A |
| Ambient temperature | -10 °C ... 50 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Weight | approx. 150 g |
| Dimensions | W: 150 mm H: 82 mm D: 20 mm |
| Declaration of Performance | DoP-20615130701 |



24 h

Accessories

| | |
|-----------|------------------------------|
| 788612 | Loop isolator PCB |
| 788600 | Housing surface mount, gray |
| 788601 | Housing flush mount, gray |
| 788650.10 | Housing surface mount, white |
| 788651.10 | Housing flush mount, white |
| 788605 | Mounting kit |

Accessories for esserbus Transponders

788600



Housing surface mount, gray

Small distributor housing for esserbus transponders.

The following esserbus transponder types can be used:

- 2 esserbus transponders each of dimensions (W x H x D) 82 x 72 x 20 mm
- 1 esserbus transponder of dimensions (W x H x D) 150 x 82 x 20 mm

Technical Data

| | |
|------------|------------------------------|
| Material | ABS |
| Color | gray, similar to RAL 7035 |
| Dimensions | W: 189 mm H: 131 mm D: 47 mm |

788601**Housing flush mount, gray**

Same as 788600, but flush-mounted version.

Technical Data

| | |
|------------|---|
| Material | ABS |
| Color | gray, similar to RAL 7035 |
| Dimensions | W: 189 mm H: 131 mm D: 47 mm W: 207 mm H: 149 mm (cover) |

788650.10**Housing surface mount, white**

Same as 788600, but white.

Technical Data

| | |
|------------|---|
| Color | white, similar to RAL 9003 |
| Dimensions | W: 189 mm H: 131 mm D: 47 mm W: 207 mm H: 149 mm (cover) |

788651.10**Housing flush mount, white**

Same as 788601, but white.

Technical Data

| | |
|------------|---|
| Color | white, similar to RAL 9003 |
| Dimensions | W: 189 mm H: 131 mm D: 47 mm W: 207 mm H: 149 mm (cover) |

788603.10**Module housing for top-hat mounting rail**

For snap-on mounting rail of several electronic modules with 82 x 72 mm PCB size. Angled cable entry.

Technical Data

| | |
|------------|----------------------------|
| Material | plastic |
| Color | Green |
| Dimensions | W: 86 mm H: 78 mm D: 45 mm |



1 x UM-profile and 2x side panels



Application example with transponder Part No. 583535

788652

Mounting rail for FACP



The top hat rail installation kit can be retrofitted into the IQ8Control unit housing. The hat rail is fitted to the mounting board via two screws. A maximum of two (Part No. 788603.10) module housings (option) can be mounted to the control unit housing.

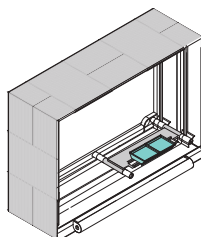
Technical Data

Dimensions

W: 175 mm L: 35 mm (standard-snap-on mounting rail)



Mounting rail and accessories



Application example

788602

Top-hat rail



Technical Data

Dimensions

L: 400 mm



Mounting kit

788605

Mounting kit

Mounting kit required for mounting esserbus transponders in extension housings.



4 x spacer bolts and 2 x fixing screws



788612

Loop isolator for transponder



Loop isolator PCB to be mounted on esserbus transponders. To isolate short circuit failure and wire break on the loop.

Technical Data

Ambient temperature

-20 °C ... 50 °C

Storage temperature

-20 °C ... 75 °C

Air humidity

< 95 %

Type of protection

IP 50 (with housing)

Weight

approx. 10 g

Dimensions

W: 32 mm H: 20 mm D: 10 mm

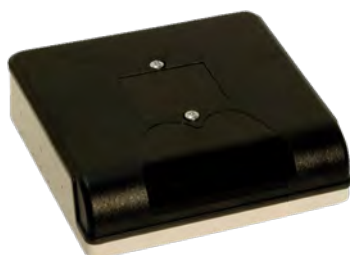
Declaration of Performance

DoP-20611130701

M200SMB

NEW

Housing for one IQ8FCT XS



For surface mounting of one transponder IQ8FCT XS (Part No. 808606), consists of housing back and cover.

Technical Data

Dimensions

W: 130 mm H: 143 mm D: 49 mm



Replacement for M200E-SMB-KO

SMB6-V0

NEW



Housing for up to six IQ8FCT XS

For surface mounting of up to 6 transponders IQ8FCT XS (Part No. 808606), consisting of housing back and cover.

Technical Data

Type of protection
Dimensions

IP 30
W: 245 mm H: 180 mm D: 100 mm

804870



Alarm and monitoring module for IQ8TAM, IQ8TAL, IQ8FCT XS/LP

An external, monitored contact can be connected to the terminals of the IQ8TAM, IQ8TAL, IQ8FCT, XS/L. In case of contact activation, the address and the programmed additional text of the corresponding IQ8TAM, IQ8TAL, IQ8FCT, XS/LP will be displayed. For contact monitoring, the alarm and monitoring module for IQ8TAM (Part No. 804870) is required.

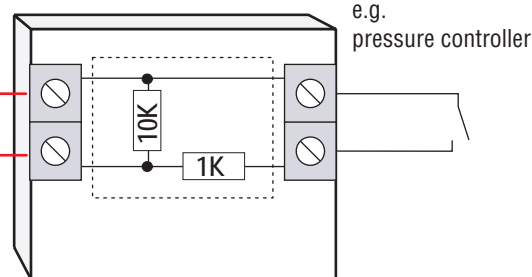


The max. cable length to the connected module must not exceed 500 meters!

Extinguishing system module part no. 804870



esserbus transponder IQ8FCT XS e. g., max. 500 m line length



Inside wiring diagram for alarm and monitoring module

781336



DC/DC converter output voltage 12 V DC

Approval: VdS

The converter provides a galvanically isolated 12 V power supply for a detector for special applications. The input voltage is 12 V, and it is supplied from the fire alarm control panel or from an external PSU. The module can be integrated into the 120240, 788600, 788601, 788603.10, 788650.10, or 788651.10 enclosures.

When planning the project, please pay attention to primary (12 V) current drain in case of a mains failure.

Technical Data

Operating voltage

10 ... 28 V DC

Output voltage

12 V DC $\pm 10\%$

Output current

max. 800 mA

Ambient temperature

-10 °C ... 50 °C

Storage temperature

-15 °C ... 55 °C

Air humidity

< 95 %

Type of protection

IP 40 (housing)

Weight

approx. 70 g

Dimensions

W: 65 mm H: 72 mm D: 20 mm

Declaration of Performance

DoP-20617130701

Features

- Galvanic isolation of DC voltage potentials
- Voltage interface, for instance for 12 V DC operation of couplers in an 8010 Series 3 extinguishing system.
- Connecting terminals up to 1.5 mm²
- short-circuit proof



The module can also be used in explosion endangered zones for the galvanic separation of the esserbus voltage supply.

781335

DC/DC converter 12 V/24 V DC



Features

- Each output is separately fused

Approval: VdS

This converter generates 24 V as power supply for special detectors. The input voltage of 12 V is taken from the FACP or an external 12 V power supply. Mounted inside the FACP (mounting kit Part No. 788605), this module can supply up to 4 special detectors with a maximum current of 125 mA each or 1 special detector with 500 mA. This module can be integrated in cabinets (Part No. 120240, 788600 and 788601). Please pay attention to the primary current consumption (12 V) in case of mains failure.

Technical Data

| | |
|----------------------------|----------------------------|
| Operating voltage | 9 ... 15 V DC |
| Output voltage | 24 V DC \pm 10 % |
| Output current | max. 500 mA (4 x 125 mA) |
| Ambient temperature | -10 °C ... 50 °C |
| Storage temperature | -15 °C ... 55 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 (housing) |
| Weight | approx. 150 g |
| Dimensions | W: 65 mm H: 72 mm D: 20 mm |
| Declaration of Performance | DoP-20616130701 |

808624

EOL-O terminating device



Features

- To monitor the control outputs for connection of conventional alarm devices
- Detects addition creeping line interruptions and shorts
- Microprocessor-controlled line monitoring in accordance with EN 54-13

The EOL-O terminating device is mounted on the last control output device in the detector zone and is used to monitor alarm signaling devices.

808625

EOL-Z module for detector groups



Terminating device for the monitoring of standard inputs when using esserbus transponders (Part No. 808623, 808622, 808619.10).

The zener diode is sealed in the housing of the end-of-line (EOL) module.

808626

EOL-I terminating device



Features

- Used for monitoring of detector zone inputs with standard fire detectors being connected
- Additionally recognizes creeping interruptions and short-circuits
- Loop monitoring in compliance with EN 54-13

The EOL-I terminating device is mounted on the last device in the detector zone and is used to monitor detector zone inputs.

808626.10

EOL-UV terminating device (UniVario)



Features

- Used for monitoring of detector zone inputs with flame and heat detectors of product family UniVario
- Additionally recognizes creeping interruptions and short-circuits
- Loop monitoring in compliance with EN 54-13

The terminating element EOL-UV is used for standard-compliant monitoring of flame and heat detectors of product family UniVario. The EOL-UV will be connected to the base of the UniVario detector.



For transponder Part No. 808623.10

788655

NEW



IP 55 base adapter

IP base adapter for extreme environmental conditions.

Technical Data

Type of protection IP 55



For IP 55 with housing Part No. 788656:
Please use additionally cable glands Part No. 704147/704148

788656

NEW



Wall mount housing gray for esserbus transponder FCT

Large distributor housing for esserbus transponders.

The following esserbus transponder types can be used:

- 2 esserbus transponders each of dimensions (W x H x D) 82 x 72 x 20 mm
- 1 esserbus transponder of dimensions (W x H x D) 150 x 82 x 20 mm

Technical Data

Type of protection IP 40 and with 788655 up to IP 55



For IP 55 with housing Part No. 788656: Please use additionally cable glands Part No. 704147/704148

Number of transponders that can be installed in the housing

- 808623 = 2 pcs
- 808623.10 = 2 pcs
- 808610.10 = 1 pc
- 808611.10 = 1 pc
- 808613.30 = 2 pcs
- 808619.10 = 2 pcs
- 808630.10 = 1 pc
- 808631.10 = 1 pc

Technical Alarm Modules

804868

IQ8TAL with isolator, 1 contact IN/1 OUT



Features

- One contact input and one floating relay output
- Voltage supply via the field bus
- Test and reset function
- Higher IP55 protection with Part No. 704965
- Programmable inverse monitoring functionality of the contact input
- Total cable length of the monitoring input line up to 500 m
- Integrated loop isolator
- Max. 127 transponder TAL electronic modules per analog loop
- DC/AC load switching by supply output

Approval: VdS

The technical alarm device IQ8TAL is a fully-fledged loop device of the IQ8Control and FlexES Control fire detection systems and facilitates the detection and forwarding of technical alarms. The IQ8TAL is equipped with an integrated loop isolator, a contact input and a relay output. The integrated relay can be optionally configured as a normally-closed contact or as a normally-open contact. An external NO or NC may be connected to a single IQ8TAL. When an alarm is triggered the address and the programmed additional text of the IQ8TAL to which the contact is connected are displayed automatically. The IQ8TAL does not need a separate voltage supply. In order to increase the IP protection class, the optional IP 55 protection kit (Part No. 704965) can be used.

The functionality of the IQ8TAL can be tested with the included key and the alarm status can be reset directly at the device.

Technical Data

| | |
|-----------------------------|---|
| Quiescent current @ 19 V DC | approx. 45 µA |
| Operation indicator | green LED |
| Alarm display | red LED |
| Connection terminal | max. 2.5 mm ² (AWG 26-14) |
| Application temperature | -20 °C ... 70 °C |
| Storage temperature | -30 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 43, IP 55 with cover 704965 |
| Housing | PC/ASA plastic |
| Color | blue, similar to RAL 5015 |
| Weight | approx. 110 g |
| Dimensions | W: 88 mm H: 88 mm D: 21 mm W: 88 mm H: 88 mm D: 57 mm (with surface-mounted housing) |
| Declaration of Performance | DoP-20792130701 |



Please note that for surface mounting, the mount housing (Part No. 704981) must be ordered separately.

Compatible with all IQ8Control systems with firmware V3.08 and tools 8000 V1.14 or superior.



2 x 10 k (terminating), 1 x 1 k (alarm), 1 x 6.8 k (inverse operation)

Accessories

704965 Protective kit for MCP and TAL, transparent

704981 Surface mount housing for small MCP, blue

804868.VC0

IQ8TAL with isolator, China

Same as 804868, but Chinese version with eased scope of delivery. Scope of delivery is without double components and the device has no EN 54 approval.



Minimum order quantity is 200 pcs. or a multiple of.

804867

IQ8FCT with isolator, 1 contact IN/1 OUT



Features

- Runtime monitoring of controlled device
- Monitoring 2 states with an input
- Steady or impulsive triggering of relay output
- Max. 127 IQ8FCT transponders per analog loop

Approval: VdS

Same as 804868, but with additional fire control transponder (FCT) software functionality.

Technical Data

| | |
|----------------------------|--------------------------------|
| Storage temperature | -30 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 43, IP 55 with cover 704965 |
| Color | gray, similar to RAL 7035 |
| Weight | approx. 110 g |
| Declaration of Performance | DoP-20792130701 |



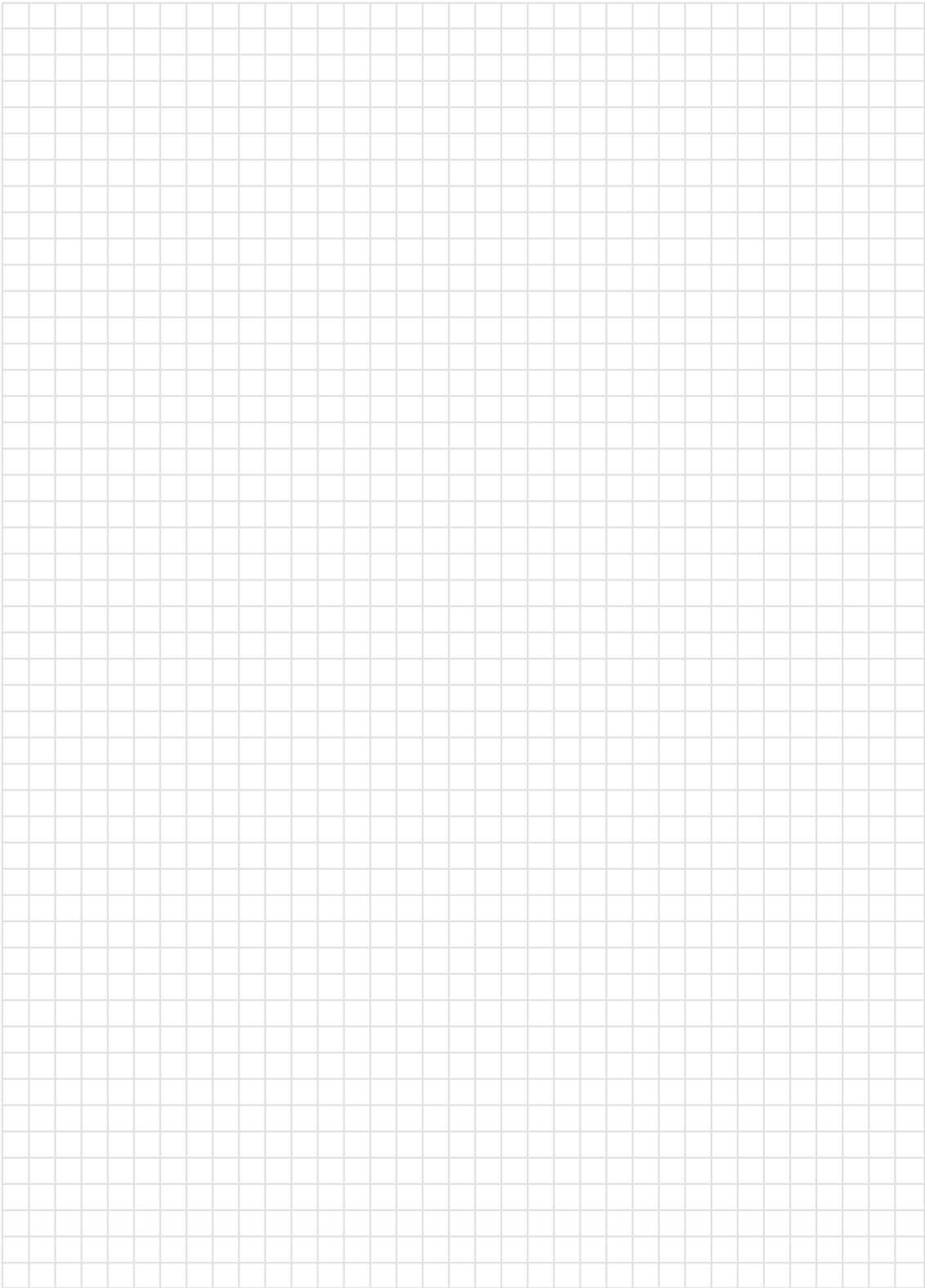
Please note that for surface mounting, the mount housing (Part No. 704985) must be ordered separately.

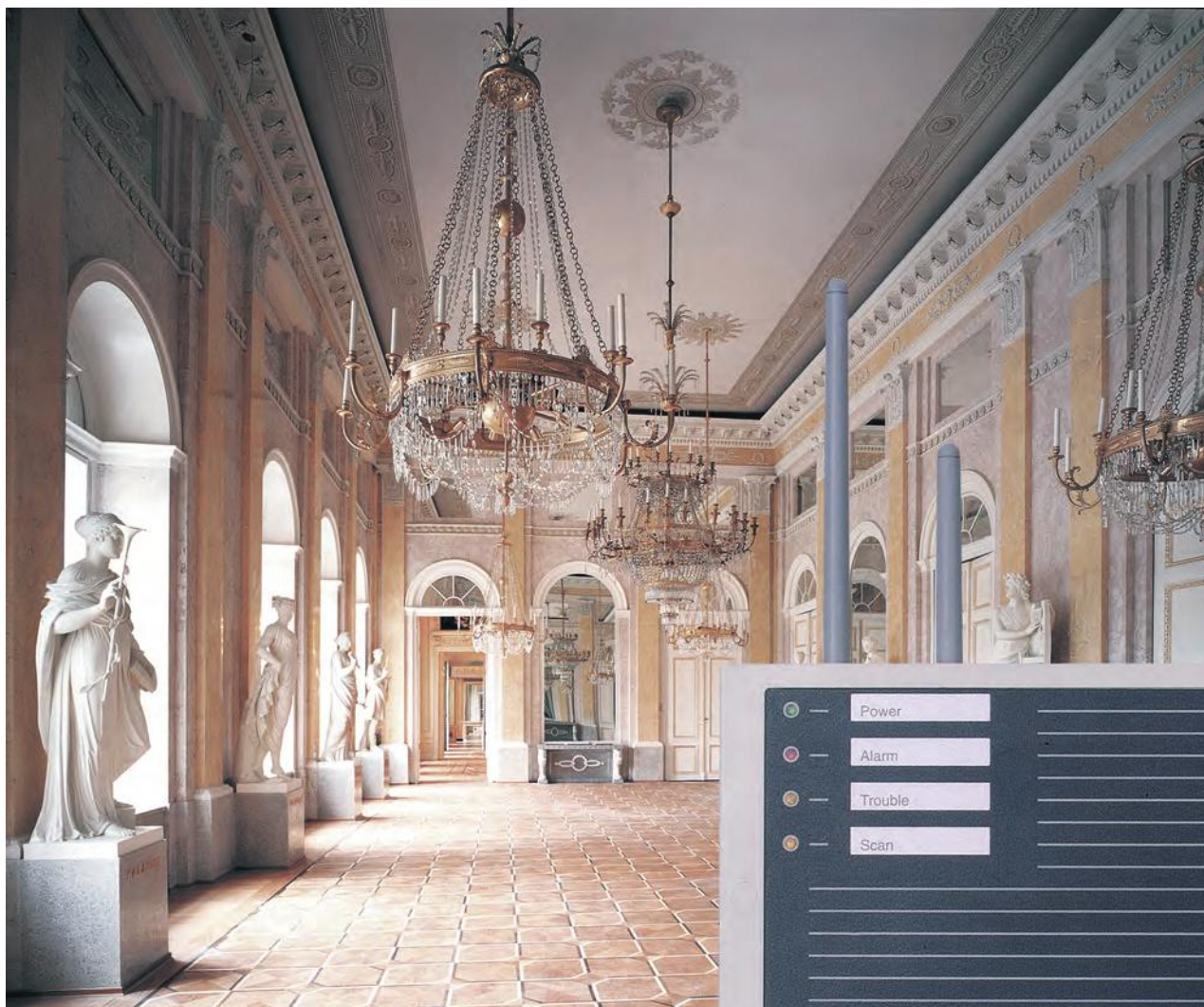
The IQ8FCT cannot be operated on the following systems:

FACP 80, System 3000 (FACP 3007/3008), FACP 8008, FACP 8000 C/M, Extinguishing System 8010

Accessories

- 704965 Protective kit for MCP and TAL, transparent
 704985 Surface mount housing for small MCP, gray





Wireless Components

Wireless Modules

234-241

13

Features

- Radiocommunication transmission features
- Interference-proof transmission via dual band with frequency hopping @ 433 MHz and 868 MHz
- Bi-directional data traffic
- Permanent automatic interference monitoring of transmission path
- In case of interferences, automatic modification of frequency band and radiocommunication channel
- Band blocking detection
- High transmission range (in the open air: max. 300 m)
- Automatic interference detection due to low field strength levels

The following wireless modules are only compatible with IQ8Control / FlexES Control FACP's. Communication between the RF devices is set up via a dual band transmission mode. The RF-technology applies frequency hopping to enable highest transmission security. In case of interference, the frequency band and the radio communication channels are automatically modified. If the entire band and the receiver are blocked due to high interference level, a fault signal is transmitted to the fire alarm panel. Thus, secure and reliable wireless transmission is provided.

The transmission range in open air is up to 300 m. Inside the building, the transmission range varies, depending on building structure, wall thickness or use of reinforced concrete.

IQ8Wireless radio technology facilitates the cable-free connection of IQ8Quad automatic fire detectors (with and without alarm signaling devices), manual call points and the IQ8Alarm Plus alarm signaling device to the IQ8Control and FlexES Control fire alarm systems.


Already existing fire alarm systems can be expanded using the wireless technology or complete fire alarm systems can be realized for smaller objects with wireless components as well.

The allocation of the wireless components to a wireless transponder or wireless gateway takes place via the tools 8000 programming software.

The status of the batteries is checked automatically and their necessary replacement is displayed early on as a detector failure on the FACP and/or the wireless transponder*.

The optimal installation site as well as the maximum possible transmission distance can be conveniently and quickly transmitted via the tools 8000 integrated field strength measurement.

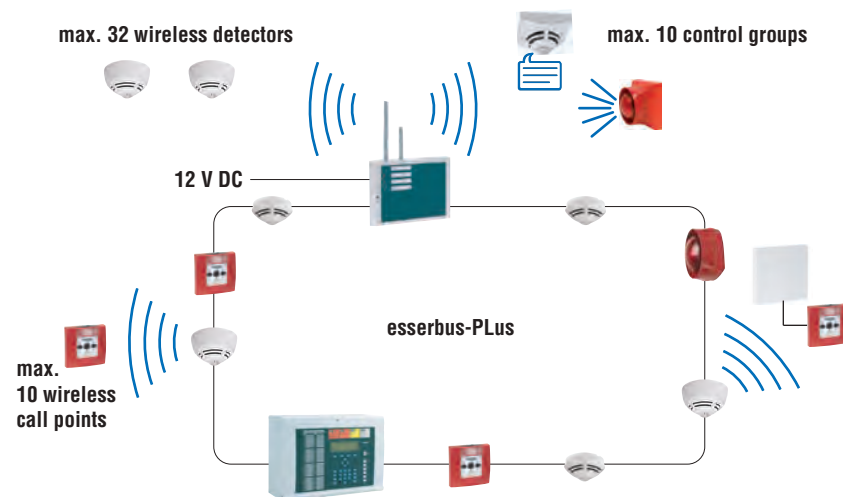
* during allocation of the wireless components via wireless transponder

 Please take into account that the use of wireless components requires extra training, covering project planning and commissioning. For further information see our training brochure.

These devices were designed, produced and labeled for operation within the countries of the European Union (EU) in accordance with the current EU standards and requirements. In case the device is installed outside of the EU, national guidelines and requirements must be taken into consideration.

For further information, please contact your local sales representative.

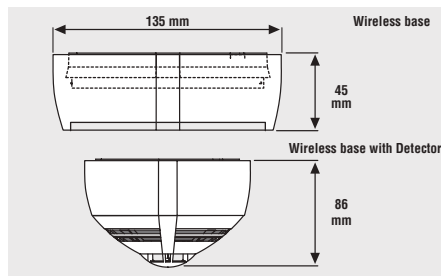
Using components like IQ8Alarm Plus and IQ8Quad with integrated alarm devices the esserbus-PLus is needed.



Connection example

805593.10

IQ8Wireless detector base



Features

The wireless detector base suitable for

- Fixed heat detector (Part No. 802171, 802177)
- Rate-of-rise heat detector (Part No. 802271, 803271)
- Optical smoke detector (Part No. 802371, 803371)
- O²T multisensor fire detector (Part No. 802374, 803374)
- OTG multisensor fire detector (Part No. 802473)

The wireless detector base features


- Individual detector identification on the control panel
- Regular functionality check for each detector
- Alarm and operation display on the detector
- Alarm and fault transmission in accordance with EN 54-2
- Easy detector or battery replacement with detector removal tool
- Fault signal when the mounted wireless base and the inserted detector are removed
- Permanent monitoring of battery voltage

Approval: VdS

With the IQ8Wireless base, the wireless component is located in the base onto which the respective fire detector is placed. The wireless base facilitates the connection of the IQ8Quad TM, ROR, O, O²T and OTG detectors via a wireless transmission line to the esserbus/esserbus-PLus and integrates them via wireless transponder or wireless gateway into the fire alarm system. A maximum of 32 radio bases per wireless transponder and/or 10 per radio gateway can be allocated.

Technical Data


| | |
|----------------------------|---|
| Operating voltage | 4 x 3.6 V batteries |
| Current consumption | approx. 50 µA |
| Battery operating time | approx. 3 years* |
| Range inside | max. 30 m |
| Range outside | max. 300 m |
| Frequency band 1 | 433 MHz with 16 channels |
| Frequency band 2 | 868 MHz with 7 channels |
| Transmitter power | 10 mW |
| Data transmission speed | 19.2 Kbit/s |
| Application temperature | -5 °C ... 55 °C |
| Storage temperature | -20 °C ... 70 °C |
| | 15 °C ... 35 °C (with batteries) |
| Air humidity | < 95 % (non condensing) |
| Material | ABS-V0 |
| Color | white, similar to RAL 9010 |
| Weight | approx. 315 g (incl. batteries) |
| Dimensions | Ø: 135 mm H: 49 mm (with detector H: 88 mm) |
| Declaration of Performance | DoP-20622130701 |

 The batteries to be used are components of the device approval according to EN 54 and are specified by the manufacturer. With the IQ8Wireless radio components, only the approved batteries with Part No. 805597 may be used. Use of batteries other than those specified by us automatically voids the product's device approval (VdS-approval) and may not be used for example in Germany in fire alarm systems under legal building regulations.

*The battery operating time is dependent on the type of detector/device used, as well as the application temperature and additional surrounding conditions. It can be substantially reduced by increased current consumption of the wireless devices in the case of alarm, wireless interference or poor transmission, or even possibly through contact resistance at the contacts.

Due to its nature, this article contains components classified as dangerous goods. Please clarify in advance with your forwarding agent if he accepts the transport of dangerous goods and if necessary observe the import regulations. The dangerous goods class for road transport or air transport is as follows:

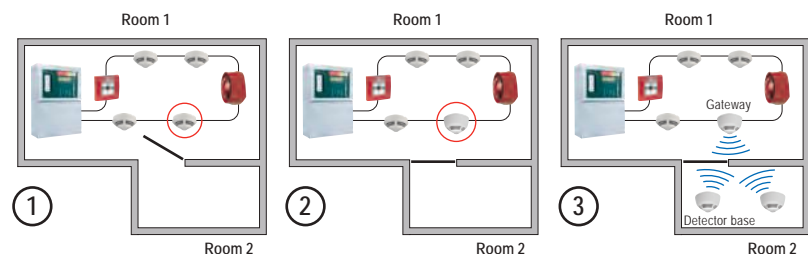
UN-No. UN3091
ADR-Class 9

 Incl. 4 x 3.6 V lithium batteries (Part No. 805597), Detector base IQ8Quad 805590

Accessories

805597

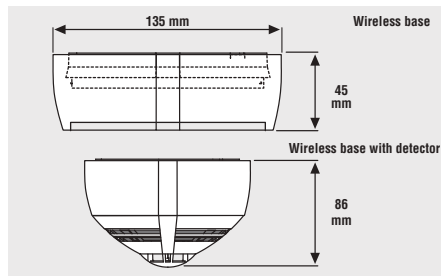
4 x 3.6 V lithium batteries



Expansion via IQ8Wireless gateway with IQ8Wireless detector base

805594.10

IQ8Wireless gateway for devices



Features

- The wireless gateway can be mounted between detector base and IQ8Quad detector. No additional wiring required
- Suitable for IQ8Quad detectors w/o alarm devices
- The connection of a remote LED indicator for this detector is possible
- Wireless communication with up to 10 devices
- Maximum 10 wireless bases
- Maximum 10 wireless interfaces with IQ8MCP manual call points
- Maximum 10 control groups for wireless interface with IQ8Quad/IQ8Alarm Plus alarm signaling devices
- All wireless devices are integrated as individually addressable on the esserbus / esserbus-PLus
- esserbus integration of all radiocommunication devices as individually addressable users
- The radiocommunication devices can be allocated in up to 10 detector zones
- Up to 9 wireless gateways per loop
- Alarm and trouble transmission in accordance with EN 54-2
- Easy detector or battery replacement via detector removal tool
- Trouble signal when removing the gateway and the detector
- Permanent monitoring of battery voltage
- One gateway requires one loop address
- The total number of loop devices of the loop will be reduced by only 12 devices for each connected IQ8Wireless Gateway
- Max. 18 IQ8Wireless Gateways per FACP IQ8Control C
- Max. 45 IQ8Wireless Gateways per FACP IQ8Control M and FACP FlexES Control

Approval: VdS


This wireless gateway is especially designed for convenient and time-saving expansion of an already existing IQ8Control/FlexES Control fire detection system. By removing a detector already installed on the loop and adding the wireless gateway to the standard IQ8 detector base, up to 10 additional fire detectors equipped with wireless detector bases or 10 addressable manual call points can be added to the existing system. The universal wireless interface allows to connect up to 10 components per wireless gateway with alarm function, like alarm devices of Series IQ8Alarm Plus and/or IQ8Quad detectors with integrated alarms devices.

And all this without any additional cabling. Depending on the surrounding conditions, the wireless transmission can reach up to 200m. The wireless gateway must fundamentally be operated with an IQ8Quad detector. It integrates the intelligent IQ8Wireless components into the esserbus or esserbus-PLus via the wireless base or wireless interface, thus making these components fully individually addressable loop devices.

Up to 9 wireless gateways can be operated on the loop. Each wireless gateway reduces the maximum number of esserbus devices by 12 pieces.

Technical Data

| | |
|----------------------------|---|
| Operating voltage | 8 ... 42 V DC (via loop) |
| Voltage supply | 4 x 3.6 V batteries |
| Current consumption | 4 x 3.6 V lithium battery |
| Battery operating time | 400 µA to max. 2.5 mA |
| Range inside | approx. 3 years* |
| Range outside | max. 20 m |
| Frequency band 1 | max. 200 m |
| Frequency band 2 | 433 MHz with 16 channels |
| Transmitter power | 868 MHz with 7 channels |
| Application temperature | 10 mW |
| Storage temperature | -5 °C ... 55 °C |
| | -20 °C ... 70 °C |
| | 15 °C ... 35 °C (with batteries) |
| Air humidity | < 95 % |
| Material | ABS |
| Color | white, similar to RAL 9010 |
| Weight | approx. 265 g (incl. batteries) |
| Dimensions | Ø: 135 mm H: 49 mm (with detector H: 88 mm) |
| Declaration of Performance | DoP-20620130701 |

 The standard detector base version IQ8Quad Part No. 805590 is not included in the RF gateway package.

The batteries to be used are components of the device approval according to EN 54 and are specified by the manufacturer. With the IQ8Wireless radio components, only the approved batteries with part no. 805597 may be used. Use of batteries other than those specified by us automatically voids the product's device approval (VdS-approval) and may not be used for example in Germany in fire alarm systems under legal building regulations.

*The battery operating time is dependent on the type of detector/device used, as well as the application temperature and additional surrounding conditions. It can be substantially reduced by increased current consumption of the wireless devices in the case of alarm, wireless interference or poor transmission, or even possibly through contact resistance at the contacts.

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UN-No. UN3091
ADR-Class 9

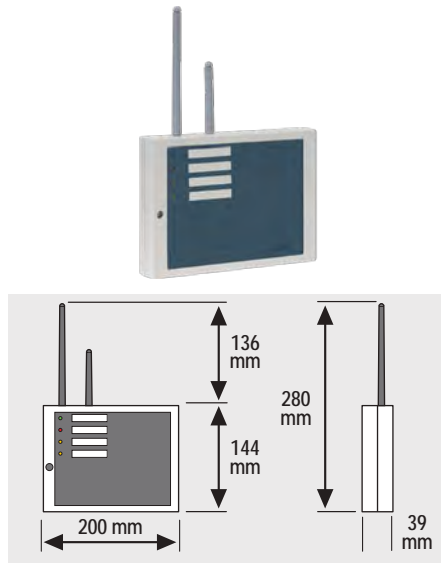
 4 x 3.6 V lithium batteries (Part No. 805597)

Accessories

805597 4 x 3.6 V lithium batteries

805595.10

IQ8Wireless transponder for devices, wall mount



Features


- RF communication with up to 32 users
- maximum 32 wireless bases
- maximum 10 wireless interfaces with IQ8MCP manual call points
- maximum 10 control groups for wireless interface with IQ8Quad/IQ8Alarm Plus alarm signaling devices
- esserbus integration of all RF. Devices as individually addressable users
- The RF devices can be assigned in up to 32 detector zones
- Alarm and fault transmission in accordance with EN 54-2
- Connection to esserbus of IQ8Control / FlexES Control panels as bus device as well as to a conventional detector zones
- Stand-alone operation
- Potential-free outputs for common fault and common fire

Approval: VdS

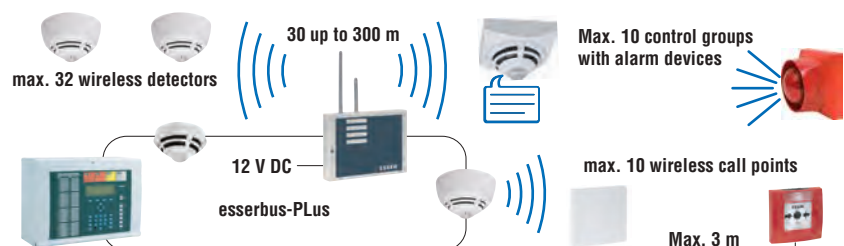
This wireless transponder is designed for wall mounting. The wireless transponder communicates with up to 32 other wireless devices. These can be wireless of various types from intelligent automatic fire detectors or wireless interfaces with manual call points and/or alarm signaling devices of the IQ8-family. Using the System IQ8Control/FlexES Control, the wireless transponder integrates the intelligent automatic detectors (with and without alarm signaling devices), manual call point and IQ8Alarm Plus signaling devices in the esserbus / esserbus-PLus via the wireless base and/or wireless interface. The detector base allows esserbus integration of intelligent automatic detectors as bus devices with individual addressing via the transponder. Up to 10 transponders can be operated on one loop. The transponder can be linked with the loop as well as with a conventional detector zone or it can be operated as a stand-alone unit. Potential-free outputs for common fault and common fire are available. For system 8000 the transponder for RF devices can only be connected by using a potential-free relay to 4 IN/2 OUT or 1 IN transponder, because it is not compatible with panel 8000 and it cannot be used as a bus device. The transponder needs an external supply voltage for operation.

Technical Data

| | |
|-----------------------------|---|
| Operating voltage | 9 ... 30 V DC |
| Quiescent current @ 12 V DC | approx. 17 mA |
| Alarm current @ 12 V DC | approx. 18 mA |
| Range inside | max. 30 m |
| Range outside | max. 300 m |
| Frequency band 1 | 433 MHz with 16 channels |
| Frequency band 2 | 868 MHz with 7 channels |
| Transmitter power | 10 mW |
| Application temperature | -5 °C ... 55 °C |
| Storage temperature | -10 °C ... 60 °C |
| Air humidity | < 95 % (non condensing) |
| Housing | ASA + PC |
| Color | white, similar to RAL 9010 |
| Weight | approx. 250 g |
| Dimensions | W: 200 mm H: 280 mm D: 39 mm (with detector H: 88 mm) |
| Declaration of Performance | DoP-20621130701 |

 The external power supply of the IQ8Wireless transponder can come from the FACP or from an external power unit.

The voltage for the wireless transponder can be supplied by the FACP or an external power supply. An individual, separately protected supply line must be installed for the voltage supply. The external voltage supply is monitored by the wireless transponder. If the wireless transponder is installed as a device on the IQ8Control/FlexES Control fire system loop, a disturbance is transmitted to the fire detection control unit via the loop and is indicated there.



805601.10

IQ8Wireless universal interface w/o cover, red



Features

Radio interface suitable for:

- IQ8MCP - electronic module, large design (Part No. 804905/ 804906)
- IQ8MCP – complete package, small design (Part No. 804971)
- IQ8MCP - electronic module, small design (Part No. 804955), only with mounting frame (Part No. 704967)
- IQ8Quad detectors (with and without alarm signaling devices)
- IQ8Alarm Plus alarm signaling device

Radio interface features:

- The IQ8 components are individually identified on the FACP
- Regular functionality performance checks of IQ8 components
- Fault signal when the IQ8 components are removed from the FACP
- Operating mode display directly at the IQ8 manual call point and IQ8Quad detector
- Alarm and fault message transmission in compliance with EN 54-2
- Easy detector removal and battery replacement using multi-functional key
- Remote operation of IQ8 components possible (max. 3 meters) via 2-wire line
- Constant battery status monitoring
- Early battery replacement notification at the FACP

Approval: VdS

The radio interface allows the IQ8MCP (small or large design) to be connected on the wireless esserbus-PLus.

The radio interface connects the intelligent IQ8MCP to the esserbus/powerd loop via the IQ8Wireless transponder or the IQ8Wireless gateway. Thus, the devices are automatically converted into individually addressable loop devices.

Technical Data

| | |
|----------------------------|---|
| Operating voltage | 4 x 3.6 V batteries |
| Current consumption | approx. 30 µA |
| Battery operating time | approx. 3 years* |
| Range inside | max. 30 m |
| Range outside | max. 300 m |
| Frequency band 1 | 433 MHz with 16 channels |
| Frequency band 2 | 868 MHz with 7 channels |
| Transmitter power | 10 mW |
| Application temperature | -5 °C ... 55 °C |
| Storage temperature | -20 °C ... 70 °C |
| | 15 °C ... 35 °C (with batteries) |
| Air humidity | < 95 % (non-condensing) |
| Material | PC/ASA plastic |
| Color | red, similar to RAL 3020 |
| Weight | approx. 285 g (incl. batteries, without attachment) |
| Dimensions | W: 135 mm H: 135 mm D: 20 mm (without attachment) |
| Declaration of Performance | DoP-20623130701 |



Only use small manual call points with mounting frame Part No. 704967.

The batteries to be used are components of the device approval according to EN 54 and are specified by the manufacturer. With the IQ8Wireless radio components, only the approved batteries with Part No. 805597 may be used. Use of batteries other than those specified by us automatically voids the product's device approval (VdS-approval) and may not be used for example in Germany in fire alarm systems under legal building regulations.

*The battery operating time is dependent on the type of detector/device used, as well as the application temperature and additional surrounding conditions. It can be substantially restricted by increased current consumption of the wireless devices in the case of alarm, wireless interference or poor transmission, or even possibly through contact resistance at the contacts.

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UN-No. UN3091

ADR-Class 9



4 x 3.6 V lithium batteries (Part No. 805597)

Accessories

805597

704967

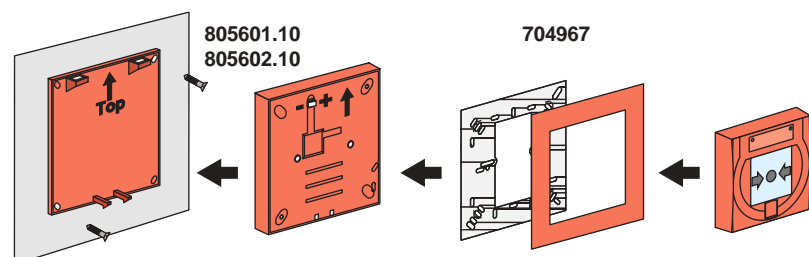
805603

white

4 x 3.6 V lithium batteries

Mounting frame for small MCP, red and white

IQ8Wireless-mounting frames for IQ8Alarm / IQ8Alarm Plus, red and white



Application example for large MCP

805602.10

IQ8Wireless universal interface w/o cover, white



Features

Radio interface suitable for:

- IQ8MCP - electronic module, large design (Part No. 804905/ 804906)
- IQ8MCP – complete package, small design (Part No. 804971)
- IQ8MCP - electronic module, small design (Part No. 804955), only with mounting frame (Part No. 704967)
- IQ8Quad detectors (with and without alarm signaling devices)
- IQ8Alarm Plus alarm signaling device (Part No. 8073xx)

Radio interface features:

- The IQ8 components are individually identified on the FACP
- Regular functionality performance checks of IQ8 components
- Fault signal when the IQ8 components are removed from the FACP
- Operating mode display directly at the IQ8 manual call point and IQ8Quad detector
- Alarm and fault message transmission in compliance with EN 54-2
- Easy detector removal and battery replacement using multi-functional key
- Remote operation of IQ8 components possible (max. 3 meters) via 2-wire line
- Constant battery status monitoring
- Early battery replacement notification at the FACP

Approval: VdS

Same as 805601.10, but white version.

The radio interface allows the IQ8MCP (small or large design) to be connected on the wireless esserbus-PLus.

The radio interface connects the intelligent IQ8MCP to the esserbus/powered loop via the IQ8Wireless transponder or the IQ8Wireless gateway. Thus, the devices are automatically converted into individually addressable loop devices.

Technical Data

| | |
|----------------------------|---|
| Operating voltage | 4 x 3.6 V batteries |
| Current consumption | approx. 30 µA |
| Battery operating time | approx. 3 years* |
| Range inside | max. 30 m |
| Range outside | max. 300 m |
| Frequency band 1 | 433 MHz with 16 channels |
| Frequency band 2 | 868 MHz with 7 channels |
| Transmitter power | 10 mW |
| Application temperature | -5 °C ... 55 °C |
| Storage temperature | -20 °C ... 70 °C |
| Air humidity | 15 °C ... 35 °C (with batteries) |
| Material | < 95 % (non condensing) |
| Color | PC/ASA plastic |
| Weight | white, similar to RAL 9010 |
| Dimensions | approx. 285 g (incl. batteries, without attachment) |
| Declaration of Performance | W: 135 mm H: 135 mm D: 20 mm (without attachment) |
| | DoP-20623130701 |



Only use small manual call points with mounting frame Part No. 704967.

The batteries to be used are components of the device approval according to EN 54 and are specified by the manufacturer. With the IQ8Wireless radio components, only the approved batteries with Part No. 805597 may be used. Use of batteries other than those specified by us automatically voids the product's device approval (VdS-approval) and may not be used for example in Germany in fire alarm systems under legal building regulations.

*The battery operating time is dependent on the type of detector/device used, as well as the application temperature and additional surrounding conditions. It can be substantially restricted by increased current consumption of the wireless devices in the case of alarm, wireless interference or poor transmission, or even possibly through contact resistance at the contacts.

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UN-No. UN3091

ADR-Class 9



4 x 3.6 V lithium batteries (Part No. 805597)

Accessories

| | |
|--------|--|
| 805597 | 4 x 3.6 V lithium batteries |
| 704967 | Mounting frame for small MCP, red and white |
| 805603 | IQ8Wireless-mounting frames for IQ8Alarm Plus, red and white |
| 805604 | IQ8Wireless-mounting frames for IQ8Quad, white |

805603

IQ8Wireless mounting frames for IQ8Alarm / IQ8Alarm Plus, red and white

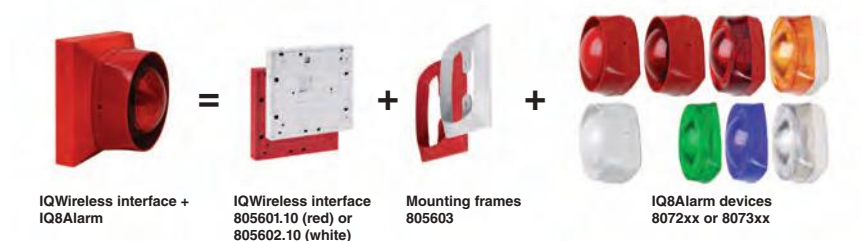


The mounting frame is used for the mounting of the IQ8Alarm / IQ8Alarm Plus alarm signaling devices onto the IQ8Wireless interface Part Nos. 805601.10/805602.10.

Technical Data

| | |
|------------|--|
| Color | red, similar to RAL 3020 white, similar to RAL 9010 |
| Weight | approx. 64 g |
| Dimensions | W: 133 mm H: 133 mm D: 21 mm |

- 1 x mounting frame red
- 1 x mounting frame white



Application example

805604

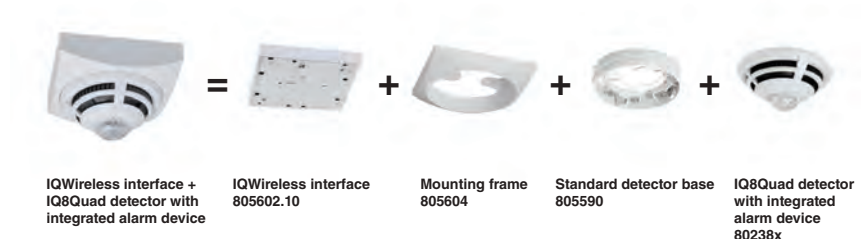
IQ8Wireless mounting frame for IQ8Quad detectors, white



The mounting frame is used for the mounting of the IQ8Quad fire detector with or without integrated alarm signaling device onto the IQ8Wireless interface 805602.10.

Technical Data

| | |
|------------|------------------------------|
| Color | white, similar to RAL 9010 |
| Weight | approx. 41 g |
| Dimensions | W: 133 mm H: 133 mm D: 21 mm |



Application example

704967

Mounting frame for small MCP, red and white

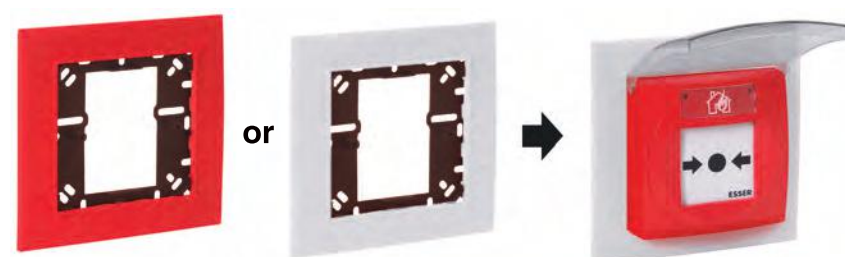


The mounting frame is useful for mounting MCPs on different international flush mount boxes. The frames are also suitable for IQ8Wireless interface Part No. 805601.10/805602.10.

Technical Data

| | |
|------------------------|--|
| Common technical data: | |
| Color | red, similar to RAL 3020 white, similar to RAL 9010 |
| Dimensions | W: 132 mm H: 132 mm D: 8 mm |

- 2 x Fastening screws are included (red and white)



Application example: Mounting frame with small MCP

805605

IQ8Wireless cover for wireless interface, red and white

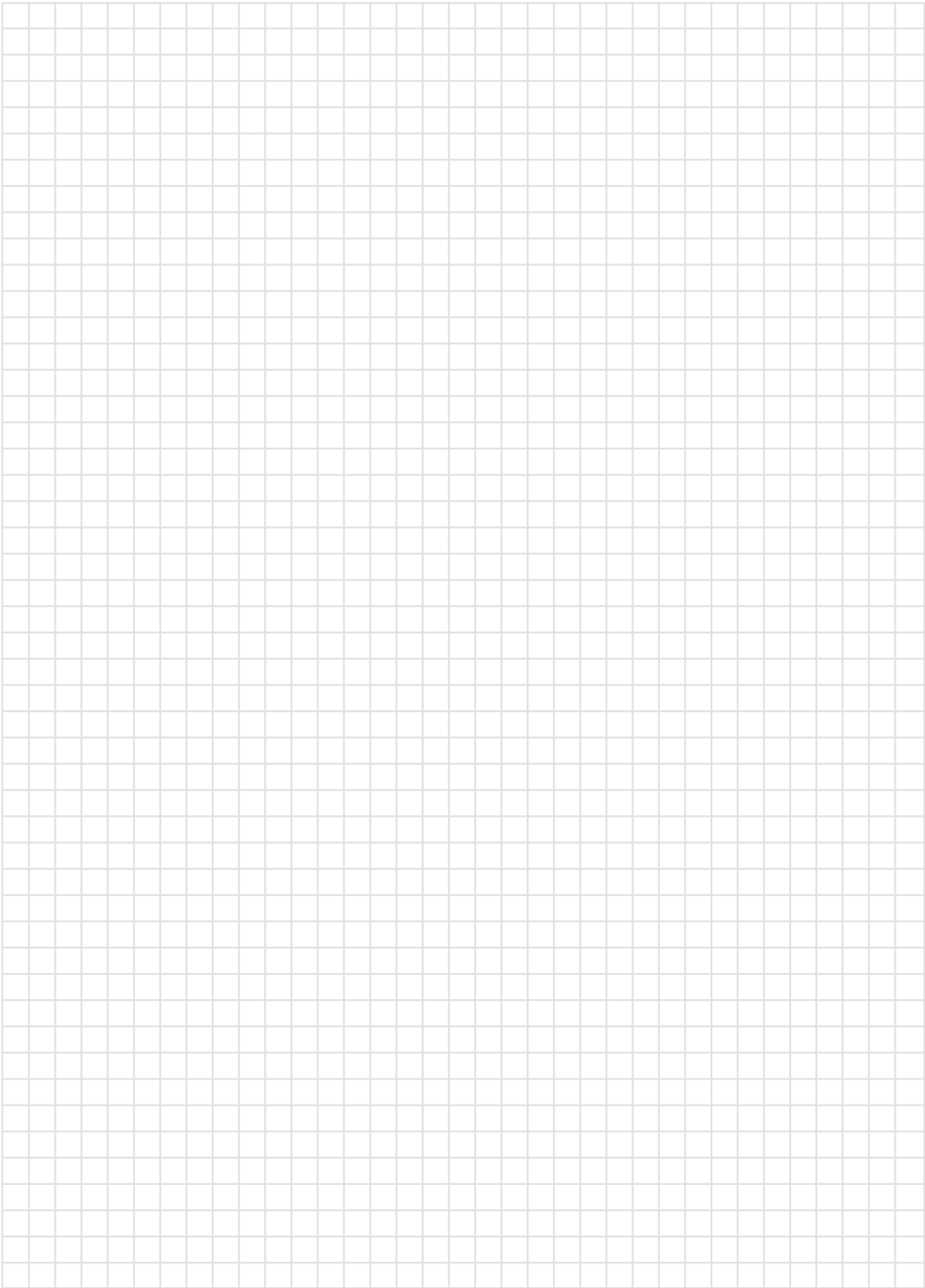


For applications in which the IQ8 components are not to be directly mounted (remote connection) on the IQ8Wireless interface Part No. 805601.10/805602.10, the wireless interface can be used with the filler panel.

Technical Data

| | |
|------------|--|
| Color | red, similar to RAL 3020 white, similar to RAL 9010 |
| Weight | approx. 33 g |
| Dimensions | W: 133 mm H: 133 mm D: 8 mm |

-  1 x Red cover plate
-  1 x White cover plate





Detectors for Special Applications

Flame and Heat Detectors
 Air Duct Detectors
 Linear Heat Detectors
 Linear Smoke Detectors
 Aspirating Smoke Detectors

244-248
 249-253
 254-255
 256-266
 267-296

Heat Detectors

782310



Features

- Direct linking and voltage supply via standard detector group at the esserbus transponder (Part No. 808623.10)
- Base installation and alignment via mounting bracket (Part No. 783312)
- Microcontroller functional monitoring of heat sensors as well as software and hardware
- Quick fire detection with high level of protection against false alarms
- Comparison to typical false variables using intelligent evaluation algorithms
- High level of electromagnetic compatibility
- Various mounting possibilities
- Oil-tight and high level IP 67 protection class as well as resistance to impact and vibration

Heat detector UniVario

Approval: VdS, FM

For detection of open fires with fast development of heat. For usage in polluted industrial environments, interior and exterior areas. Voltage supply and connection occur directly via the standard detector zone at the esserbus transponder (Part No. 808623.10). The detector is also reset directly via the esserbus transponder. Monitoring area 30 m² up to 20° roof pitch and 40 m² over 20° roof pitch, and a max. monitoring height of 7.5 m.

Technical Data

| | |
|----------------------------|--|
| Operating voltage | 9 V DC |
| Alarm current @ 9 V DC | typ. 15 mA |
| Area to be monitored | 30 m² up to 20° roof pitch |
| Height to be monitored | 7.5 m |
| Ambient temperature | -20 °C ... 80 °C |
| Storage temperature | -40 °C ... 85 °C |
| Air humidity | < 95 % |
| Housing | Die cast aluminum |
| Color | red, similar to RAL 3000 |
| Weight | approx. 995 g (incl. base and bracket) |
| Dimensions | W: 130 mm H: 140 mm D: 85 mm |
| Declaration of Performance | DoP-21053130701 |



Detector base and mounting bracket are not supplied!

782302



Heat detector UniVario, 200 mm

Approval: VdS, FM

Same as 782310, but with sensor rod length of 200 mm and an increased response temperature range of 54 °C to 400 °C.

Technical Data

| | |
|----------------------------|-----------------|
| Weight | approx. 1 kg |
| Declaration of Performance | DoP-21054130701 |



Detector base and mounting bracket are not supplied!

782303



Heat detector UniVario, 400 mm

Same as 782302, but with sensor rod length of 400 mm.

Technical Data

| | |
|--------|----------------|
| Weight | approx. 1.1 kg |
|--------|----------------|



Detector base and mounting bracket are not supplied!

782304



Heat detector UniVario, 600 mm

Same as 782302, but with sensor rod length of 600 mm.

Technical Data

| | |
|--------|----------------|
| Weight | approx. 1.2 kg |
|--------|----------------|



Detector base and mounting bracket are not supplied!

782306

Heat detector UniVario, 2 m



Same as 782310, but with sensor tube for installation in areas with poor accessibility such as shafts and canals.

Technical Data

Weight approx. 1.3 kg



Detector base and mounting bracket are not supplied!

782307

Heat detector UniVario, 6 m



Same as 782306, but with sensor tube length of 6 m.

Technical Data

Weight approx. 1.4 kg



Detector base and mounting bracket are not supplied!

782308

Heat detector UniVario, 9 m



Same as 782306, but with sensor tube length of 9 m.

Technical Data

Weight approx. 1.5 kg



Detector base and mounting bracket are not supplied!

Accessories

783312

Mounting bracket for UniVario detectors



Mounting bracket for alignment of the industrial flame detectors UniVario. Simple installation with base Part No. 783313.

783313

Standard base UniVario



Standard detector base for detectors of the UniVario product family.

Technical Data

| | |
|------------|------------------------------|
| Weight | approx. 350 g |
| Dimensions | W: 130 mm H: 140 mm D: 36 mm |

Features

- Simple detector exchange via standard base principle
- Fast installation via simple plug-in
- Generous space for cabling for user-friendly installation

Explosion-Proof Detectors

761347

IR flame detector (Ex) X 9800



Features

- Visual range: 90°
- Maintenance with magnets, no test lamp required
- Status display directly at the detector via 3-color LED for operation, fault and alarm
- Monitoring and resetting via esserbus transponder Part No. 808623 in loop operation
- Automatic, manual or magnetic optical integrity (oi) testing, no external test lamp required

Approval: VdS, ATEX, SIL 2, FM

The pressure-proof, fully enclosed infrared flame detector particularly distinguishes itself through reliable operation in difficult conditions. An integrated LED and three relays provide information regarding the state of operation, failure, and alarm. Contamination resistance and heated optics to prevent condensation and formation of ice also allow for external operation. Typical areas of application are turbines, petrochemistry and the automotive industry. Monitoring on the loop and resetting via esserbus transponder 808623. Monitoring of a conventional line via the same transponder. This device requires a separate voltage supply of 24 V DC.

Technical Data

| | |
|---------------------------------|--|
| Operating voltage | 24 V DC |
| Current consumption @ 24 V DC | approx. 87.5 mA |
| Power consumption | 16.5 W @ 30 V DC with end-of-line resistor and heater on maximum |
| Height to be monitored | 20 m |
| Ambient temperature | -40 °C ... 75 °C |
| Storage temperature | -55 °C ... 85 °C |
| Air humidity | < 95 % |
| Ex-category | II 2 GD |
| Explosion protection | EEx d IIC T5-T6, T86°C |
| Type of protection | IP 66 |
| Housing | Die cast aluminum |
| Weight | approx. 2.7 kg (+ 6.0 kg fixture) |
| Detector specification | EN 54-10, Class 1 |
| EC-type examination certificate | DEMKO 02 ATEX 132195 |
| Dimensions | Ø: 122 mm H: 246 mm |



Please note: for mounting of the holder, a 5 and 14 mm Allen key is necessary and is not included in delivery.

Regarding distance please refer to the manual for further information!



Mounting bracket

Screw connection kit (1 x M25 Ex d/3 x blind fittings M25 Ex d)

Service pack (1 x screwdriver/1 x magnet for function test/1 x cleaner for optics)

761349

UV/IR flame detector (Ex) X 5200



Features

- Visual range: 90°
- Maintenance with magnets, no test lamp required
- Status display directly at the detector via 3-color LED for operation, fault and alarm
- Actuation and resetting via esserbus transponder 808623 in loop operation
- Automatic, manual or magnetic optical integrity (oi) testing, no external test lamp required

Approval: VdS, ATEX, SIL 2, FM

The pressure-proof, fully enclosed combined ultraviolet/infrared flame detector enables UV and IR sensors to monitor the same detection zone with a visual angle of 90°. Triggering occurs only by activation of the IR and UV sensors. A LED provides information regarding the state of operation, failure and alarm. Three relays (fire, failure and additional alarm) are integrated for connection to a fire detection system. Contamination resistance and heated optics to prevent condensation and formation of ice also allow for external operation. Typical areas of application are turbines, munitions depots, natural gas depots and aircraft hangars.

Monitoring on the loop and resetting via esserbus transponder 808623. Monitoring of a conventional line via the same transponder. This device requires a separate voltage supply of 24 V DC.

Technical Data

| | |
|---------------------------------|--|
| Operating voltage | 24 V DC |
| Current consumption @ 24 V DC | approx. 117 mA |
| Power consumption | 17.5 W @ 30 V DC with end-of-line resistor and heater on maximum |
| Height to be monitored | 20 m |
| Ambient temperature | -40 °C ... 75 °C |
| Storage temperature | -55 °C ... 85 °C |
| Air humidity | < 95 % |
| Ex-category | II 2 GD |
| Explosion protection | EEx d IIC T5-T6, T86°C |
| Type of protection | IP 66 |
| Housing | Die cast aluminum |
| Weight | approx. 2.7 kg (+ 6.0 kg fixture) |
| Detector specification | EN 54-10, Class 1 |
| EC-type examination certificate | DEMKO 02 ATEX 132195 |
| Dimensions | Ø: 122 mm H: 246 mm |



Please note, for the installation of the mounting you need a 14 mm Allen key, which is not included.

The Ex UV/IR flame detector (Part No. 761349) contains a radioactive substance: Krypton-85 (14.8 kBq).

According to the instructions in the permit, only those possessing an appropriate handling permit is allowed to participate in the installation and removal.

We ask you to consider this when buying the product!

Please see our website for latest edition of the safety data sheet.

Due to its nature, this article contains components classified as dangerous goods. Please clarify in advance with your forwarding agent if he accepts the transport of dangerous goods and if necessary observe the import regulations. The dangerous goods class for road transport or air transport is as follows:

UN-No. UN2911

ADR-Class 7



Mounting bracket

Screw connection kit (1 x M25 Ex d/3 x blind fittings M25 Ex d)

Service pack (1 x screwdriver/1 x magnet for function test/1 x cleaner for optics)

781463

Venturi air duct module for IQ8Quad OT^{blue}-LKM

NEW



Features

- Single-tube air analysis system UG-7 based on the Venturi principle
- Optimum utilization of air flow velocity through new Venturi tube design
- Integrated maintenance opening in the front cover so that air duct smoke detector can be tested
- Suitable for air duct widths from 0.6 to 2.8 m
- Integrated air flow display
- Mounting on round and insulated air duct with mounting kit Part No. 781469

Approval: VdS

Air duct module for usage of the OT^{blue}-LKM multisensor detector IQ8Quad Part No. 802379/800379 or OT^{blue}-LKM multisensor detector ES Detect Part No. 800379 in combination with Venturi tubes Part No. 781466, 781467 or 781468. The kit is mounted outside of the air duct system.

The Venturi tube dips into the airflow of the system and conducts the air into the detection chamber and back into the air duct system. During operation, the detector and the alarm LED is visible so that a remote indicator is not required.

The housing doesn't need to be opened for maintenance purposes. This can be easily done by using the separate opening in the front of the housing

Technical Data

| | |
|---------------------|--|
| Ambient temperature | 0 °C ... 38 °C |
| Storage temperature | -30 °C ... 75 °C |
| Type of protection | IP 54 |
| Housing | ABS plastic |
| Color | gray |
| Weight | approx. 650 g (without base, detector, venturi tube) |
| Dimensions | W: 165 mm H: 279 mm D: 83 mm |



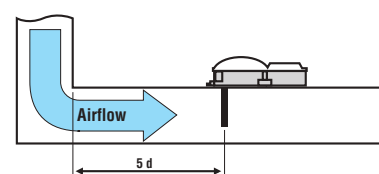
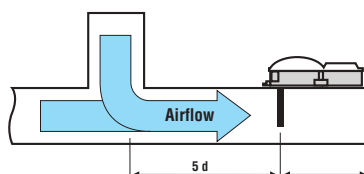
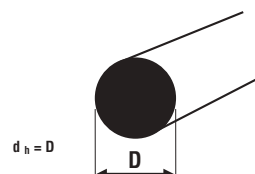
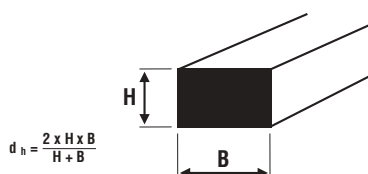
Please note that the detector must be mounted horizontally!
Suitable for monitoring of air duct systems with a minimum diameter of 100 mm.
Successor of 781443



2 x cable glands M20 with nut, 1 x tube end cap, mounting screws included.
Without OT^{blue}-LKM detector, detector base, Venturi tube and filter cartridge.

Accessories

| | |
|--------|--|
| 781464 | Spare filters for weather protection housing |
| 781465 | Weather protection housing for detector |
| 781466 | Venturi tube, 0.6 m |
| 781467 | Venturi tube, 1.5 m |
| 781468 | Venturi tube, 2.8 m |
| 781469 | Mounting set for LKM 781463 |
| 781470 | Cable glands M20 f. weather protection housing |



Application example with detector

Accessories

800379

OT^{blue}-LKM multisensor detector ES Detect**NEW**

Features

- Up to 30 detectors per detection group

Approval: pending

Special conventional ES-Detect multisensor fire detector with integrated optical sensor and heat sensor and enhanced false alarm management. For application as air duct smoke detector in Venturi air duct modules Part No. 781463 & 781443. The optical measurement chamber is provided with a patented developed sensor technology using a high-sensitive blue LED (instead of the commonly used red LED in optical smoke detectors), enabling the detection of open fires, smoldering fires and fires with high heat generation. Especially for open fires, the classical ionization technology implemented in ionization detectors is replaced by the unique detection technology, unlike ionization detectors, this sensor works without a radioactive element which causes problems at the time of refuse disposal. The detector is capable of identifying the TF1 and TF6 test fires described in the EN 54-9:1982 specification. Well suited for sensitive environment, detection of invisible up to large aerosols. The OTblue multisensor is an intelligent detector with time-related signal analysis, signal correlation of the sensor data, decentralized intelligence, automatic function self-test, CPU failure mode, automatic adaptation to environmental conditions, alarm and operating data memory and alarm indicator. A parallel detector indicator can be connected.

Technical Data

| | |
|----------------------------|---------------------------------------|
| Operating voltage | 9 ... 42 V DC |
| Quiescent current @ 9 V DC | approx. 35 µA |
| Air velocity | 1 m/s ... 20 m/s |
| Application temperature | -20 °C ... 50 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 43 (base + option) |
| Weight | approx. 110 g |
| Detector specification | EN 54-27:2015-03 |
| Dimensions | Ø: 117 mm H: 49 mm (62 mm incl. base) |

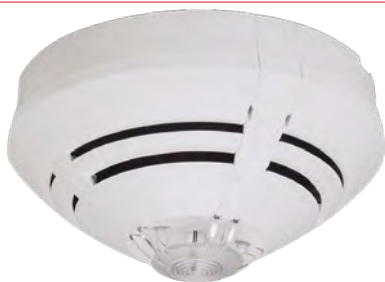
Accessories

767800 Mounting bracket

805590 Standard detector base for IQ8Quad

805591 Detector base with relay contact for IQ8Quad

802379

OT^{blue}-LKM multisensor detector IQ8Quad with isolator**Approval: VdS**

Specially addressable IQ8Quad multisensor fire detector with integrated optical sensor and heat sensor and enhanced false alarm management. For application as air duct smoke detector in venturi air duct modules Part Nos. 781443 and 781463. The optical measurement chamber is provided with a patented developed sensor technology using a high-sensitive blue LED (instead of the commonly used red LED in Optical smoke detectors), enabling the detection of open fires, smoldering fires and fires with high heat generation.

Especially for open fires, the classical ionization technology implemented in ionization detectors is replaced by the unique detection technology, unlike ionization detectors, this sensor works without a radioactive element which causes problems at the time of refuse disposal. The detector is capable of identifying the TF1 and TF6 test fires described in the EN 54-9:1982 specification. Well suited for sensitive environment, detection of invisible up to large aerosols.

The OT^{blue} multisensor is an intelligent detector with time-related signal analysis, signal correlation of the sensor data, decentralized intelligence, automatic function self-test, CPU failure mode, automatic adaptation to environmental conditions, alarm and operating data memory, alarm indicator and soft-addressing.

The detector is provided with an integrated isolator and a parallel detector indicator can be connected.

Technical Data

| | |
|----------------------------------|--|
| Operating voltage | 9 ... 42 V DC |
| Quiescent current @ 19 V DC | approx. 50 µA |
| Quiescent current @ FACP battery | approx. 200 µA @ 27.5 V approx. 280 µA @ 42 V |
| Air velocity | 1 m/s ... 20 m/s |
| Application temperature | -20 °C ... 50 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % (non condensing) |
| Type of protection | IP 43 (with base + option) |
| Housing | ABS plastic, white, similar RAL 9010 |
| Weight | approx. 110 g |
| Detector specification | EN 54-17:2005 + AC:2007, EN 54-27:2015-03 |
| Dimensions | Ø: 117 mm H: 62 mm (incl. base) |
| Declaration of Performance | DoP-20116130701 |



Only suitable for application in air duct construction set 781443.

Accessories

805590 Standard detector base for IQ8Quad

805591 Detector base with relay contact for IQ8Quad

781464

NEW**Spare filter for air duct detector UG7**

For use in unclean and dusty environmental conditions.



10 pcs

781465

NEW



Weather protection housing for detector

Protects the air duct detector in difficult environmental conditions such as usage in outside areas. The weather protection housing can be subsequently fixed above the already mounted air duct module UG7.

Technical Data

Type of protection

IP 54



781466

NEW



Venturi tube, 0.6 m

Venturi tube 0.6 m for application with air duct detector module Part No. 781463, length between 140 mm and 600 mm.

 Required borehole in the duct: 38 mm


781467

NEW



Venturi tube, 1.5 m

Venturi tube 1.5 m for application with air duct detector module Part No. 781463, length between 600 mm and 1.400 mm.

 Required boreholes in the duct: 38 mm below and 50 mm above.
The plastic gasket is included in the scope of delivery of the Venturi air duct module.

 Venturi tube and rubber seal


781468

NEW



Venturi tube, 2.8 m

Venturi tube 2.8 m for application with air duct detector module Part No. 781463, length between 1.400 mm and 2.700 mm.

 Required boreholes in the duct: 38 mm below and 50 mm above.
The plastic gasket is included in the scope of delivery of the Venturi air duct module.

 Venturi tube and rubber seal

781469

NEW



Mounting set for LKM 781463

Mounting set for Part No. 781463 and/or insulated air ducts.

 Plastic gasket and rubber seal

781470

NEW



Cable glands M20 f. weather protection housing

For additional sealing of cable entry and ensuring the IP type of protection.

 5 pcs.

781444



Filter cartridge for air duct module 781443

Replacement cartridge for use in unclean environmental conditions.

Linear Heat Detector LWM

761290

Linear heat detector LWM-1, DE/EN



Features

- Maximum sensor cable length of 300 m
- Resistant against mechanical and chemical impact, corrosion, humidity and dust
- Easy to install, economic, low-maintenance
- Calibration switch setting
- VdS approval as per EN 54-5 A1 applicable up to 7.5 m ceiling height
- Suitable for application in hazardous areas
- Early fire detection with heat detector classes A1, A2, B and C
- High chemical and / or mechanical resistance by using special sensor cables
- 3 floating relay contacts for max. alarm / diff. alarm and fault
- Separate reset input for resetting via esserbus transponder 808623 during loop operation
- Test button for simulating alarm, fault and LED test

The LWM-1 enables early detection of fires or overheating. It is specifically designed for application in narrow rooms or rough environmental conditions. The system consists of an LWM-1 evaluation unit and a special sensor cable, which must be selected according to the type of application. The integration on the loop and the resetting function is carried out via the esserbus transponder Part No. 808623.

Integration of a conventional line is carried out via the same transponder. The device requires a separate voltage supply of 24V DC for the galvanic separation of D.C. voltage potentials and the voltage converter Part No. 781337 must be used in order to avoid ground faults.

Temperature resistance of sensor cable:

- <100°C = unlimited
- <150°C = 350h
- <175°C = 25h
- > -5°C = special item needed, OEM reference 1180010
- > -60°C = special item needed, OEM reference 1180011

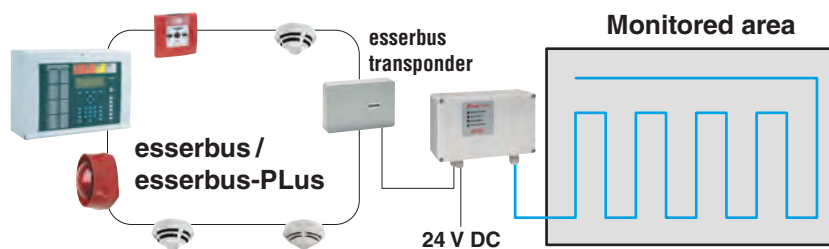
Technical Data

| | |
|--|---|
| Operating voltage | 10 ... 30 V DC |
| Quiescent current @ 24 V DC | approx. 25 mA |
| Current consumption @ 24 V DC | approx. 25 mA (DIFF- or MAX-alarm) |
| Starting current @ 24 V DC | < 100 mA |
| Current consumption in the case of failure | max. 15 mA |
| Display | LED green: in operation, permanent light; LED red: alarm diff., permanent light, locked; LED red: alarm max., permanent light, locked; LED yellow: fault, flashing light, locked |
| Range | max. 300 m, dependent on ambient temperature |
| Temperature range | -20 °C ... 50 °C |
| Air humidity | < 95 % |
| Type of protection | IP 65 |
| Material | ABS plastic |
| Color | gray, similar to RAL 7035 |
| Weight | approx. 550 g |
| Maximum sensor length | 300 m |
| Dimensions | W: 200 mm H: 120 mm D: 80 mm |



The item can be ordered exclusively for grandfathered buildings to exchange or expand an existing LWM-1 system.

For application in Ex areas please read the instructions in the manual.



Application example

Accessories

761244

Connection link set for sensor cable



The set contains six links for one interconnection point.

761245

Sensor cable, blue



Sensor cable for use in non-aggressive atmosphere, but with high humidity for the Part No. 761290 line heat detector.

Technical Data

| | |
|-------------------|------------------|
| Temperature range | -5 °C ... 100 °C |
| Dimensions | Ø: 3.15 mm |



The price stated is the price per meter. Order quantity at least 5 m or a multiple thereof.



7 days

761246

Sensor cable, black



Sensor cable with nylon cover for protection against acids and bases for the Part No. 761290 line heat detector.

Technical Data

| | |
|-------------------|-------------------|
| Temperature range | -60 °C ... 100 °C |
| Dimensions | Ø: 4.8 mm |



The price stated is the price per meter. Order quantity at least 5 m or a multiple thereof.



7 days

761247

Sensor cable, black, with steel braiding



For reducing the mechanical loading of the cable under extreme conditions for the line type heat detector Part No. 761290, the sensor cable is additionally protected by a stainless steel braid.

Technical Data

| | |
|-------------------|-------------------|
| Temperature range | -60 °C ... 100 °C |
| Dimensions | Ø: 5.8 mm |



The price stated is the price per meter. Order quantity at least 5 m or a multiple thereof.
Cancellations or returns are not possible.



7 days

3D Dual Linear Smoke Detector OSID



Features

- Simple & easy --> low installation costs
- High tolerance to vibration, object intrusion and strong airflow
- Reliable distinction between real smoke and other disturbing influences such as dust, steam, birds and insects and much more
- For application with high temperature changes
- High tolerance to false alarms
- Simple DIP switch configuration
- Automatic commissioning
- Three selectable alarm thresholds
- Wired and battery powered transmitter/emitter available
- 3D volumetric coverage
- Pollution monitoring
- 2° building movement allowed

The OSID linear smoke imaging detector uses a sophisticated pixel-level mathematical evaluation algorithm to compare the infrared (IR) and ultraviolet (UV) gray levels on pixel level in the CMOS imager.

The multi-emitter imager will analyze the signals from up to 7 emitters.

The system uses dual wavelengths so that different particle sizes can be detected and distinguished. While there is a strong interaction between the shorter UV waves for both small and large particles, the longer IR waves are only affected by larger particles.

Through the algorithmic evaluation of the attenuation of both wavelengths, the detector is able to distinguish large dust particles from smoke, building movements and entering solid bodies as possible making the detector highly resistant to nuisance alarms.

3D volumetric coverage

Receivers with a viewing angle of 80° have an imaging chip that allows up to seven transmitters per receiver. Unlike conventional linear detectors, where each receiver must be wired, only the wiring of the receiver is necessary here.

Since the different transmitters can be easily adapted to obstacles along the walls and arranged at different heights, an optimum coverage achieved. The beam length of the 80°-imager ranges from 8 to 150 m. The horizontal and vertical viewing angles of the receivers allow 3D coverage.

Furthermore, optical filtering, high-speed image acquisition and intelligent software algorithms ensure that the detector processes images and thus ultimately offers the highest possible degree of stability and sensitivity, while at the same time offering greater insensitivity to extreme lighting fluctuations.

The OSID detector (receiver) has an internal event memory for up to 10.000 events for possible alarm and fault analysis.

The connection to the esserbus loop is made in the usual way via the esserbus transponder. It is also easy to reset using this esserbus transponder by programming the relays on it as reset relays using the tools 8000 programming and service software and setting the reset time individually.

Range overview:

Light source: OSID standard light source

Range (max. 1 light source):

761300 Receiver 7°, range 30 ... 150 m

761302 Receiver 80°, range 6 ... 34 m

Light source: OSID high power light source

Range (max. 7 light sources):

761300 Receiver 7°, not compatible

761302 Receiver 80°, range 12 ... 68 m

761300

OSID Imager - 7° coverage

Features

- Max. Detection range up to 150 m with standard light source
- 3 levels of sensitivity possible (35 %, 45 %, 60 %)
- Easy DIP switch configuration
- Pollution Monitoring

Approval: VdS, FM

Imager for use with OSID emitter (Part No.: 761303 – 761305).

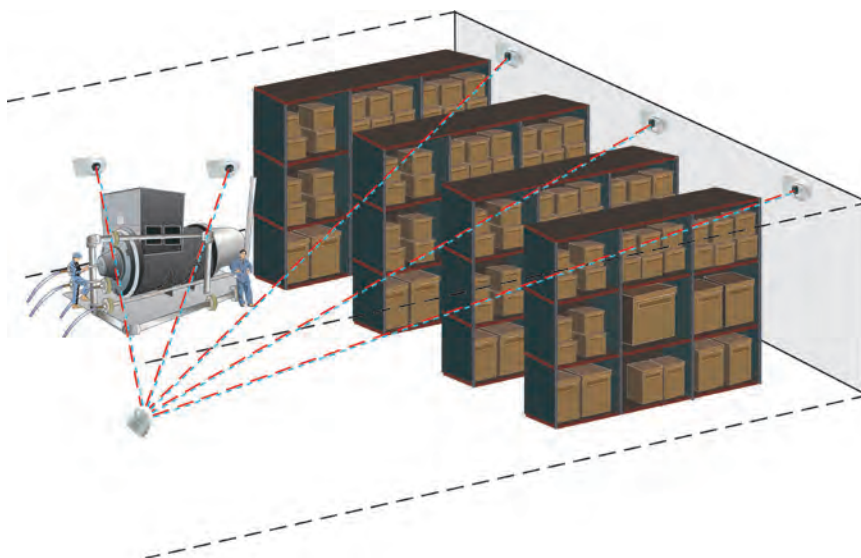
Image sensor / receiver for smoke detection for open spaces, evaluation. Two light sources (IR and UV), optical filters, high-speed image capture and intelligent software algorithms to increase the noise immunity and safety from erroneous / false alarms, 1 light source can be connected, via sensors and DIP switch individually configurable.

Technical Data

| | |
|-------------------------------|---|
| Operating voltage | 20 ... 30 V DC |
| Current consumption @ 24 V DC | approx. 8 mA @ 1 imager, 10 mA @ 7 imager |
| Ambient temperature | -10 °C ... 55 °C |
| Air humidity | < 10 % |
| Type of protection | IP 44 (electronic) IP 66 (optical housing) |
| Weight | approx. 651 g |
| Dimensions | W: 208 mm H: 136 mm D: 96 mm |

Accessories

- 761310 OSID Installation Kit
- 761303 Emitter - Standard Power, battery version
- 761304 Emitter - Standard Power, wired at 24 V DC
- 761305 Emitter - High Power, wired at 24 V DC



761301

OSID Imager - 38° coverage

Features

- Max. Detection range up to 150 m with standard light source
- 3 levels of sensitivity possible (35 %, 45 %, 60 %)
- Easy DIP switch configuration
- Pollution Monitoring

Imager for use with OSID emitter (Part No.: 761303 – 761305).

Image sensor / receiver for smoke detection for open spaces, evaluation. Two light sources (IR and UV), optical filters, high-speed image capture and intelligent software algorithms to increase the noise immunity and safety from erroneous / false alarms, 7 light source can be connected, via sensors and DIP switch individually configurable.

Technical Data

| | |
|-------------------------------|---|
| Operating voltage | 20 ... 30 V DC |
| Current consumption @ 24 V DC | approx. 8 mA @ 1 imager, 7 mA @ 7 imager |
| Ambient temperature | -10 °C ... 55 °C |
| Air humidity | < 10 % |
| Type of protection | IP 44 (electronic) IP 66 (optical housing) |
| Weight | approx. 651 g |
| Dimensions | W: 208 mm H: 136 mm D: 96 mm |

Accessories

- 761310 OSID Installation Kit
- 761303 Emitter - Standard Power, battery version
- 761304 Emitter - Standard Power, wired at 24 V DC
- 761305 Emitter - High Power, wired at 24 V DC

761302

OSID Imager - 80° coverage

Features

- Max. Detection range up to 150 m with standard light source
- 3 levels of sensitivity possible (35 %, 45 %, 60 %)
- Easy DIP switch configuration
- Pollution Monitoring

Approval: VdS, FM

Imager for use with OSID emitter (Part No.: 761303 – 761305).

Image sensor / receiver for smoke detection for open spaces, evaluation. Two light sources (IR and UV), optical filters, high-speed image capture and intelligent software algorithms to increase the noise immunity and safety from erroneous / false alarms, 7 light source can be connected, via sensors and DIP switch individually configurable.

Technical Data

| | |
|-------------------------------|---|
| Operating voltage | 20 ... 30 V DC |
| Current consumption @ 24 V DC | approx. 8 mA @ 1 imager, 7 mA @ 7 imager |
| Ambient temperature | -10 °C ... 55 °C |
| Air humidity | < 10 % |
| Type of protection | IP 44 (electronic) IP 66 (optical housing) |
| Weight | approx. 651 g |
| Dimensions | W: 208 mm H: 136 mm D: 96 mm |

Accessories

- 761310 OSID Installation Kit
- 761303 Emitter - Standard Power, battery version
- 761304 Emitter - Standard Power, wired at 24 V DC
- 761305 Emitter - High Power, wired at 24 V DC

761304

OSID Emitter Standard Power

Approval: VdS, FM

The standard light source corresponding to the production of two light sources (UV / IR). These are evaluated by a OSID receiver.

Technical Data

| | |
|-------------------------------|---|
| Operating voltage | 20 ... 30 V DC |
| Current consumption @ 24 V DC | approx. 0.35 mA |
| Ambient temperature | -10 °C ... 55 °C |
| Air humidity | < 10 % |
| Type of protection | IP 44 (electronic) IP 66 (optical housing) |
| Weight | approx. 651 g |
| Dimensions | W: 208 mm H: 136 mm D: 96 mm |

Accessories

- 761310 OSID Installation Kit
- 761300 Imager - 7° Coverage, 24 V DC
- 761301 Imager - 38° Coverage, 24 V DC
- 761302 Imager - 80° Coverage, 24 V DC

761303

OSID Emitter Standard Power, Battery Version

Features

- Built-in 5 year battery

Approval: VdS, FM

The battery-powered light source corresponding to the production of two light sources (UV / IR). These are evaluated by a OSID receiver. The built-in battery lasts 5 years.

Technical Data

| | |
|---------------------|---|
| Ambient temperature | -10 °C ... 55 °C |
| Air humidity | < 10 % |
| Type of protection | IP 44 (electronic) IP 66 (optical housing) |
| Weight | approx. 563 g |
| Dimensions | W: 208 mm H: 136 mm D: 96 mm |

Accessories

- 761310 OSID Installation Kit
- 761300 Imager - 7° Coverage, 24 V DC
- 761301 Imager - 38° Coverage, 24 V DC
- 761302 Imager - 80° Coverage, 24 V DC

761305

OSID Emitter High Power**Approval: VdS, FM**

The high power light source for generating two light sources (UV / IR) is required. These are evaluated by a OSID receiver. Thus, longer monitoring distances are possible. See description of OSID receiver.

Technical Data

| | |
|-------------------------------|---|
| Operating voltage | 20 ... 30 V DC |
| Current consumption @ 24 V DC | approx. 0.8 mA |
| Ambient temperature | -10 °C ... 55 °C |
| Air humidity | < 10 % |
| Type of protection | IP 44 (electronic) IP 66 (optical housing) |
| Weight | approx. 563 g |
| Dimensions | W: 208 mm H: 136 mm D: 96 mm |

Accessories

761310 OSID Installation Kit

761300 Imager - 7° Coverage, 24 V DC

761301 Imager - 38° Coverage, 24 V DC

761302 Imager - 80° Coverage, 24 V DC

761310

OSID installation kit

The OSID installation kit is used for commissioning and maintenance of OSID smoke detector function.



- 1 x Laser alignment tool
- 1 x Test filter
- 1 x PC cable
- 1 x Cleaning cloth
- 1 x Manual

761330

IP66 housing for OSID standard light source (emitter)**Technical Data**

| | |
|---------------------|-------------------------------|
| Ambient temperature | -25 °C ... 60 °C |
| Dimensions | W: 241 mm H: 194 mm D: 127 mm |

761331

IP66 housing for OSID image sensor (imager)**NEW****Technical Data**

| | |
|---------------------|-------------------------------|
| Ambient temperature | -25 °C ... 60 °C |
| Dimensions | W: 241 mm H: 194 mm D: 127 mm |

Linear Smoke Detector LRMX

Features

- Motorized detector head
- User-friendly commissioning via automatic self-adjustment
- Disturbance-protected operation via automatic electromechanical tracking of the detector head during building movements
- Optimal access via remote operating unit at eye level
- Clear representation of all states via central indicator display on the operating unit
- High level of IP protection for usage under difficult environmental conditions
- Activation and reset via esserbus transponder 808623 during loop operation
- Ranges from 5 to 100 m
- Large assortment of accessories

The LRMX Line Smoke Detector marks a new generation of infrared light-beam detectors in compliance with EN 54-12.

Based on the light absorption principle, the sender sends a pulsated infrared beam of light to the prism reflectors which are to be mounted opposite the detector. These prisms reflect the light back to the receiver. If smoke should enter the infrared light beam and dim it to a defined degree, a signal is forwarded via the esserbus transponder to the FACP. Both fire alarms as well as disturbance alarms are forwarded to the FACP.

The prominent feature of this new generation is the automatic alignment at initial start-up and the regular adjustment of the detector head via the integrated engine in the detector.

This simplifies start-up considerably and thus it can be carried out more quickly. Due to the automatic self-adjustment of the detector during even the slightest building movements, as for example due to length extensions, temperature variations, etc., the LRMX can always retain the optimal position of the initial alignment and thus is even more protected from disturbance. Operation is user-friendly via the ground-level operating and control unit which is operated remotely from the detector. The power is supplied directly to the detector, so that in the case of an operating and control unit failure, continuing operation of the LRMX is guaranteed.

The operating and control indicator has an indicator display which shows all reports and states clearly and at eye-level.

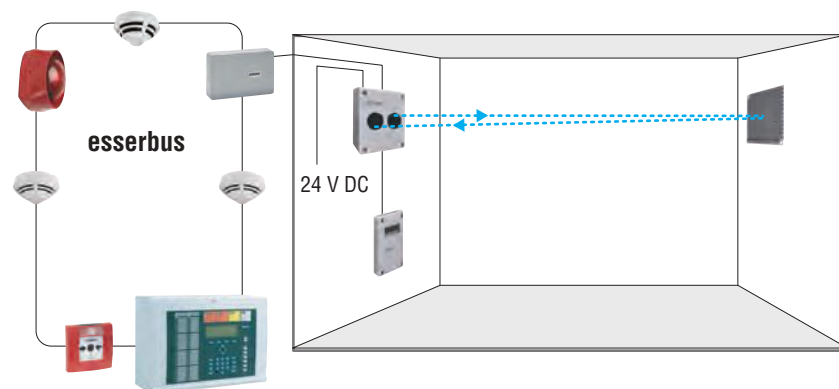
With the aid of the display, a manual alignment of the detector is also possible even in the case of very difficult initiation conditions, as the horizontal and vertical coordinates of the infrared light-beam are represented in detail.

The connection to the esserbus-loop is carried out via the esserbus transponder 808623 in the usual manner. Resetting can also be easily carried out via this esserbus transponder: using the tools 8000 programming and service software, the relays on the transponder can be programmed as reset relays and the reset time can be set individually.

In conclusion, the LRMX on the esserbus represents a significant advance in the world of line smoke detectors and guarantees an extremely high degree of disturbance-free and low-maintenance operation.

| | Description | Part No. |
|------|---|-----------|
| LRMX | Linear Smoke Detector LRMX+ | 761400.10 |
| | Linear Smoke Detector LRMX+ anti fog and heating, all weather | 761410 |

| | | |
|----------------|--|-----------|
| Reflector sets | Single reflector for LRMX | 761403 |
| | Reflector set for LRMX, for ranges of up to 80 m | 761401.10 |
| | Reflector set for LRMX, for ranges of up to 100 m | 761402.10 |
| | Nano coated reflector for LRMX | 761413 |
| | Reflector set for 761400, for ranges of up to 80 m | 761411 |
| | Reflector set for 761400 covering distances up to 100 m | 761412 |
| | Line Smoke Detector LRMX, nano coated with heating up to 80 m | 761421 |
| | Line Smoke Detector LRMX, nano coated with heating up to 100 m | 761422 |



Application example

761400.10

Linear Smoke Detector LRMX



Features

- Motorized detector head
- User-friendly commissioning via automatic self-adjustment
- Disturbance-protected operation via automatic electromechanical tracking of the detector head during building movements
- Optimal access via remote operating unit at eye level
- Clear representation of all states via central indicator display on the operating unit
- High level of protection from moisture for usage under difficult environmental conditions
- Activation and reset via esserbus transponder 808623 during loop operation

Approval: VdS

The linear smoke detector with a flame resistant ABS plastic housing in compliance with EN 54-12 consists of detector, operating and control unit. The connection to the esserbus and the resetting is carried out via the esserbus transponder 808623.

This device requires an external voltage supply of 24 V DC for the galvanic separation of D.C. voltage potentials and the voltage converter Part No. 781337 is to be used in order to avoid ground faults.

The LRMX has a range of 40 m using one single reflector. For longer ranges you have to consider the reflektor set for the corresponding range enhancement (Part No. 761401.10 or 761402.10). Another alternative is the Nano coated reflector (Part No. 761411, 761412 or 761413) or with additional mounted heating (Part No. 761421 [up to 80 m] or 761422 [up to 100 m]) for applications in heavy environment conditions.

Technical Data

| | |
|---------------------|--|
| Operating voltage | 10.2 ... 30 V DC |
| Current consumption | 3.5 mA (in all operational states), 17 mA in fast commissioning |
| Ambient temperature | -10 °C ... 55 °C |
| Air humidity | < 10 % (non-condensing) |
| Weight | approx. 2.05 kg |
| Dimensions | W: 155 mm H: 180 mm D: 137 mm W: 120 mm H: 185 mm D: 62 mm (operating unit) W: 100 mm H: 100 mm D: 9 mm (single prism) |



The LRMX is available on request with built-in heating and front plate with nano coating. Please note that the LRMX with built-in heating has not been VdS-approved! Please also note: the reflector is not included with delivery and must be ordered separately!



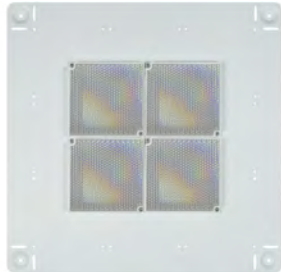
Detector, operating and control unit

Reflectors and Accessories



The individual reflectors and reflector sets can also be used with the Fireray products. However, please observe the additional planning information in the relevant functional descriptions.

761401.10



Reflector set for LRMX, for ranges of up to 80 m

Metal reflector set for LRMX range extension of up to 80 m.

Technical Data

Dimensions W: 370 mm H: 370 mm D: 7 mm



The individual reflectors and reflector sets can also be used with the Fireray products. However, please observe the additional planning information in the relevant functional descriptions.



Steel plate; 4 x reflector 761403

761402.10



Reflector set for LRMX, for ranges of up to 100 m

Metal reflector set for range extension of LRMX up to 100 m.

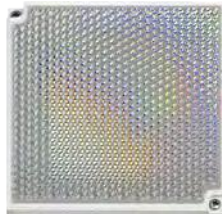
Technical Data

Dimensions W: 370 mm H: 370 mm D: 7 mm



Steel plate; 9 x reflector 761403

761403



Single reflector for LRMX

Replacement prism – single reflector for usage with the line smoke detector (Part No. 761400.10).

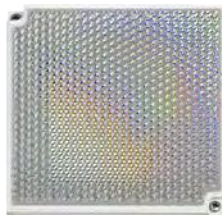
Technical Data

Dimensions W: 100 mm H: 100 mm



Reflector sets also available on request with water-repellent surface or additional built-in heating.

761413



Nano coated reflector for LRMX

Reflector sets also available on request with water-repellent surface or additional built-in heating.

761404.10



Ceiling holder for LRMX, for distances from 40 to 70 cm

For better mounting of the line smoke detector (Part No. 761400.10) on walls, girders, ceilings and beams. The ceiling bracket is made of aluminum and can be adjusted in length anywhere from 40 to 70 cm. A high-grade ball joint mounting bracket is located on the top side for easy wall/ceiling mounting. The ceiling bracket is suitable for attaching the mounting plate Part No. 761406.

Technical Data

Weight approx. 2.3 kg



Ceiling bracket incl. mounting material for the aluminum holder but does not include material for mounting of the holder on ceilings, walls or beams.

Features

- For easy ceiling and wall mounting in compliance with DIN VDE 0833-2
- Optimal alignment of detector and reflectors under difficult ambient conditions via ball joint mounting bracket
- Extendable ceiling bracket for flexible adjustment of length for distances of 400 to 700 mm
- Invisible cable routing inside the ceiling
- Capacity 25 kg
- Swivel hinge approx. 180°
- Ball joint approx. 90° and holding fixture for prism reflector
- RAL 9010 (pure white) surface

761405.10



Ceiling holder for LRMX, for distances from 70 to 150 cm

Same as 761404.10 but extendable for ceiling clearances from 70 to 150 cm.

Technical Data

Weight approx. 3.3 kg

761415

Ceiling holder for LRMX

Same as 761404.10 but 174 mm long rigid design.

Technical Data

Weight approx. 4.3 kg

761406



Mounting plate for ceiling bracket for detector/single reflector

Mounting plate made of aluminum for attaching the line smoke detector Part No. 761400.10 or the prism reflector Part No. 761403 on the ceiling bracket.

761407



Mounting spider for ceiling bracket

Mounting spider for the ceiling brackets (Part No. 761404.10 and 761405.10) for alternative attachment of the reflector sets (Part No. 761401.10 and 761402.10) on the ceiling bracket.

761408

Flush mounted housing for LRMX



For the LRMX, consists of flush mounted tray and vertically adjustable cover plate frame with lockable front door.

Technical Data

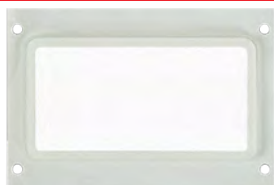
| | |
|--------------|---|
| Air humidity | < 93 % |
| Color | white, similar to RAL 9010 |
| Weight | approx. 2.1 kg |
| Dimensions | W: 355 mm H: 275 mm D: 145 mm (total) W: 290 mm H: 200 mm D: 145 mm (flush mounting) |

Features

- Mounting unit for the LRMX with 2 light cone apertures
- 6 pre-stamped cable ducts with predetermined breaking points

761414

Nano detector cover



Detector cover with nano coating for application to the front of the detector prevents steaming up of detector in difficult environments.

Fireray

761315

Fireray 50 RV with 1 prism



Features

- A compact housing
- Range 5 m to 50 m
- Robust construction
- Complies with EN 54-12 standard
- Monitoring and resetting is carried out via the esserbus transponder (Part No. 808623) during loop operation

Approval: VdS

The detector consists of an integrated infrared transmitter and receiver. The signal is reflected by a prism and analyzed by the receiving element. Signal reaching the threshold will trigger an alarm. The integration on the loop and the resetting function is carried out via the esserbus transponder (Part No. 808623).

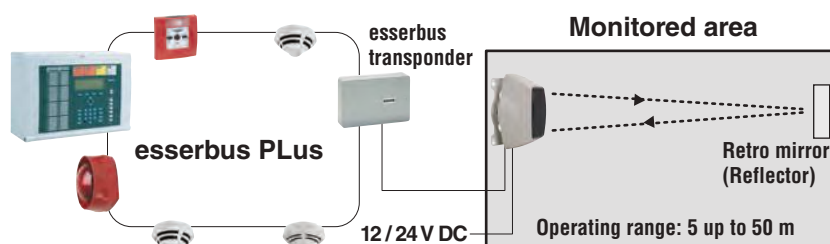
Integration and reset on conventional line is carried out via the same transponder. The detector requires a separate voltage supply of 24 V DC.

The Fireray is installed about 0.3 to 0.8 m underneath the ceiling and its reflector with the same ceiling distance opposite. There should be no reflecting obstacles in the transmission zone (approx. 2 degrees).

Technical Data

| | |
|-----------------------------|-------------------------------|
| Operating voltage | 10.2 ... 30 V DC |
| Quiescent current @ 24 V DC | approx. 4 mA |
| Alarm current @ 24 V DC | approx. 15 mA |
| Contact load | max. 30 V DC / 1 A |
| Range | 5 to 50 m |
| Ambient temperature | -20 °C ... 55 °C |
| Storage temperature | -35 °C ... 60 °C |
| Air humidity | < 93 % |
| Type of protection | IP50 |
| Housing | ABS plastic, flame resistant |
| Color | gray, similar to RAL 7035 |
| Weight | approx. 670 g |
| Detector specification | EN 54-12 |
| Dimensions | W: 210 mm H: 117 mm D: 120 mm |

 1 x Prism (Part No. 761403)



Application example

761316

Fireray 100 RV with 4 prisms



Features

- Compact housing
- Range 50 m to 100 m
- Robust construction
- Complies with EN 54-12 standard
- Monitoring and resetting is carried out via the esserbus transponder (Part No. 808623) during loop operation

Approval: VdS

The detector consists of an integrated infrared transmitter and receiver. The signal is reflected by a prism and analyzed by the receiving element. Signal reaching the threshold will trigger an alarm. The integration on the loop and the resetting function is carried out via the esserbus transponder (Part No. 808623).

Integration and reset on conventional line is carried out via the same transponder. The detector requires a separate voltage supply of 24 V DC.

The Fireray is installed about 0.3 to 0.8 m underneath the ceiling and its reflector with the same ceiling distance opposite. There should be no reflecting obstacles in the transmission zone (approx. 2 degrees).

Technical Data

| | |
|-----------------------------|-------------------------------|
| Operating voltage | 10.2 ... 30 V DC |
| Quiescent current @ 24 V DC | approx. 4 mA |
| Alarm current @ 24 V DC | approx. 15 mA |
| Contact load | max. 30 V DC / 1 A |
| Range | 50 to 100 m |
| Ambient temperature | -20 °C ... 55 °C |
| Storage temperature | -35 °C ... 60 °C |
| Air humidity | < 93 % |
| Type of protection | IP 50 |
| Housing | ABS plastic, flame resistant |
| Color | gray, similar to RAL 7035 |
| Weight | approx. 670 g |
| Detector specification | EN 54-12 |
| Dimensions | W: 210 mm H: 117 mm D: 120 mm |



4 x Prisms (Part No. 761401.10)

761317

Fireray 5000, line smoke detector, incl. controller, 100 m

Features

- Remote system controller
- LASER assisted alignment
- Automatic contamination compensation
- Automatic IR beam path alignment
- Electric remote detector head orientation adjustment

The Fireray 5000 combines an infrared-transmitter and receiver in one detector head. The transmission signal is reflected by a prism and analyzed on smoke concentration by the receiving unit. The transmitting/receiving unit contains an electric actuator which always keeps the IR-ray in the optimal orientation.

Electric actuator in detector head allows for remote manual alignment via remote controller and its LCD display, keypad and laser indicator. The automatic, self-alignment mechanism keeps detector head perfectly aligned with reflective prism regardless of vibrations or building construction movement.

Technical Data

| | |
|-----------------------------|------------------|
| Operating voltage | 14 ... 28 V DC |
| Quiescent current @ 24 V DC | approx. 10 mA |
| Alarm current @ 24 V DC | approx. 52 mA |
| Ambient temperature | -20 °C ... 55 °C |
| Storage temperature | -40 °C ... 85 °C |



4 prisms 761322 + 761323

761317.H

Fireray 5000, detector head without controller, 100 m

Additional detector head for Fireray 5000 (Part No. 761317).

761317.50

Fireray 5000, line smoke detector with actuator, incl. controller, 50 m

Technical Data

| | |
|-----------------------------|------------------|
| Operating voltage | 14 ... 28 V DC |
| Quiescent current @ 24 V DC | approx. 10 mA |
| Ambient temperature | -20 °C ... 55 °C |
| Storage temperature | -40 °C ... 85 °C |

761317.50.H

Fireray 5000, detector head without controller, 50 m

Additional detector head for Fireray 5000 (Part No. 761317.50).

761314

Univ. bracket for F5000 or prism plate 761440/761441

Universal bracket for a F5000 detector head or prism plate 761440 or 761441.

Technical Data

Weight

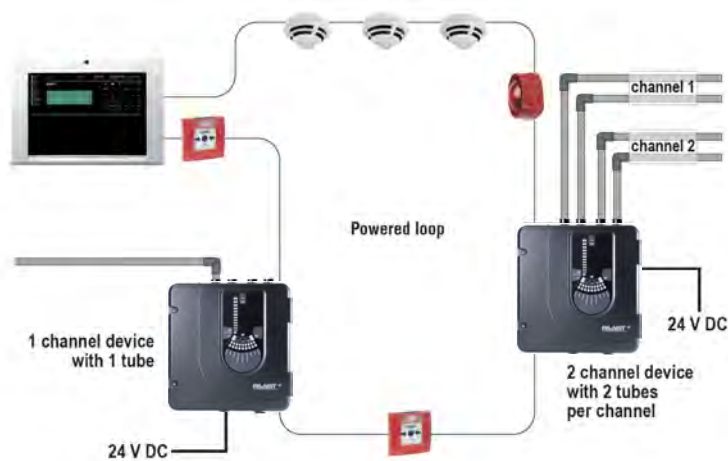
approx. 300 g

The FAAST LT EB models are part of the FAAST Family (Fire Alarm Aspiration Sensing Technology®). FAAST is an advanced smoke detection system used for early detection. The end user device, designed for maximum ease for the installer and particularly suitable for areas in accordance with EN 54-20 Class C, where maintenance work can often be difficult, other fire detection methods are unsuitable, and critical environmental conditions or high demands on the implementation must be taken into account.

But the FAAST LT EB even has its uses in classes B and A in accordance with EN 54-20.

Information on pipeline lengths as well as the number of aspiration intakes for each class can be found under the respective capabilities of the individual devices. The laser sensors used in the FAAST LT EB feature sophisticated detection algorithms that reduce false alarms.

esserbus-enabled FAAST™ LT EB aspiration smoke alarm feature outstanding flexibility when connected to the esserbus of the fire alarm system. The devices are easy to install, easy to configure, and include the PipelQ LT installation and start-up software.



801711.10

FAAST LT-200 EB 1 channel, loop ready



Features

- 1-channel system for connecting a max. of 2 pipelines
- Built-in and preconfigured esserbus coupler
- Highly sensitive laser sensors for highest stability
- 9 different adjustable sensitivity levels from 0.07% LD/m
- Programmable pre-alarm levels
- PipeIQ software for intuitive system layout, configuration, and maintenance in a
- simple LED overview with a detailed fault indicator
- Unique airflow pendulum shows the current airflow of the channel
- 10 adjustable fan speeds
- Operating volume from 26 dB(A) (at fan level 1)
- Sophisticated detection algorithms reduce false alarms
- Integrated event memory up to 2244 events
- Ultrasonic flow rate sensor for accurate pipe flow measurement
- USB interface
- IP 65 protection rating
- Removable integrated filter unit
- Operating menu in 24 languages

Approved for the requirements of EN 54-20 classes A, B, and C with the following information:

- Max. 160 m pipeline length per channel
- Max. 18 holes for class C per channel
- Max. 6 holes for class B per channel
- Max. 3 holes for class A per channel

Approved for the requirements of EN 54-20 classes A, B, C using the pre-alarm with the following information:

- Max. 120 m pipeline length per channel
- Max. 12 holes for class C per channel
- Max. 4 holes for class B per channel

Approval: VdS

The FAAST LT-200 EB 1-channel device is an advanced active fire detection system, which is equipped with a laser smoke detector. It's possible to connect up to two pipelines to one channel. The FAAST LT has a preconfigured esserbus coupler for connection to the esserbus ring bus line.

Technical Data

| | |
|-----------------------------|---|
| Operating voltage | 18.5 ... 31.5 V DC |
| Quiescent current @ 24 V DC | approx. 182 mA |
| Sound level @ 24 V DC | 26 dB(A) (aspirating level 1) |
| Area to be monitored | 2000 m ² (normative max. 1600 m ²) |
| Ambient temperature | -10 °C ... 55 °C |
| Air humidity | < 10 % |
| Sound level @ 24 V DC | (aspirating level 1) |
| Housing | Plastic (ABS) |
| Color | black/gray |
| Weight | approx. 6.5 kg (incl. sensors) |
| Dimensions | W: 356 mm H: 403 mm D: 135 mm |
| Declaration of Performance | DOP-ASP004 |



Button cell contained in equipment, Lithium metal button cells only contained in equipment, excepted per P1970

801722.10

FAAST LT-200 EB 2 with 2 channels, loop ready



Features

- 2-channel system for connecting max. 2 pipelines per channel
- 2 independent measuring chambers, each with a fan, filter, sensor, and separate air outlets
- Built-in and preconfigured esserbus coupler
- 2 highly sensitive laser sensors for highest stability
- 9 different adjustable sensitivity levels from 0.07% LD/m (separately adjustable per channel)
- Programmable pre-alarm levels for each individual channel
- Sophisticated detection algorithms reduce false alarms
- PipeIQ software for intuitive system layout, configuration, and maintenance in a
- simple LED overview with a detailed fault indicator
- Unique airflow pendulum shows the current airflow of the individual channel
- A fan for each channel, 10 individually-adjustable fan speeds
- Operating volume from 28 dB(A) (at fan level 1)
- Integrated event memory up to 2244 events
- Ultrasonic flow rate sensor for accurate pipe flow measurement evaluable for each channel
- USB interface
- IP 65 protection rating
- 2 removable integrated filter units
- Operating menu in 24 languages
- Set-up of a Type B two-detector dependency in accordance with DIN VDE 0833-2 and VdS 2095 possible

Approved for the requirements of EN 54-20 classes A, B, and C with the following information:

- Max. 160 m pipeline length per channel
- Max. 18 holes for class C per channel
- Max. 6 holes for class B per channel
- Max. 3 holes for class A per channel

Approved for the requirements of EN 54-20 classes A, B, C using the pre-alarm with the following information:

- Max. 120 m pipeline length per channel
- Max. 12 holes for class C per channel
- Max. 4 holes for class B per channel

Approval: VdS

The FAAST LT-200 EB 2-channel device is an advanced active fire detection system, equipped with 2 completely separate channels, each with a laser smoke detector. It's possible to connect up to two pipelines per channel. The FAAST LT 2 has a preconfigured esserbus coupler for connection to the esserbus ring bus line.

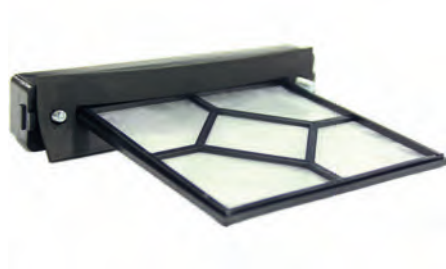
Technical Data

| | |
|-----------------------------|---|
| Operating voltage | 18.5 ... 31.5 V DC |
| Quiescent current @ 24 V DC | approx. 282 mA |
| Sound level @ 24 V DC | 28 dB(A) (aspirating level 1) |
| Area to be monitored | 2000 m ² (normative max. 1600 m ²) |
| Ambient temperature | -10 °C ... 55 °C |
| Air humidity | < 10 % |
| Sound level @ 24 V DC | (aspirating level 1) |
| Housing | Plastic (ABS) |
| Color | black/gray |
| Weight | approx. 6.5 kg (incl. sensors) |
| Dimensions | W: 356 mm H: 403 mm D: 135 mm |
| Declaration of Performance | DOP-ASP005 |

 Button cell contained in equipment, Lithium metal button cells only contained in equipment, excepted per PI970

FL-IF-6

FAAST replacement air filter FAAST LT



6 pcs

Accessories FFAST

F-PSU-2405



Features

- Two potential-free relay outputs
- Single monitoring of the batteries for emergency power supply
- Compliant with EN 54-4 (A2)


External power supply unit of Series FFAST

Approval: VdS

External power supply in a compact metal housing for holding up to two 12 V / 17 Ah batteries for use in fire and voice alarm systems. Up to two 12 V / 38 Ah can be connected and charged via the supplied battery housing. The power supply allows an uninterruptible power supply. Two potential-free relay outputs are available for the transmission of faults (common fault, battery fault). External LED display for operation and common fault on the front door.

Technical Data

| | |
|---------------------|---|
| Ambient temperature | -10 °C ... 40 °C |
| Storage temperature | -20 °C ... 80 °C |
| Air humidity | < 95 % |
| Housing | sheet steel |
| Color | black, similar to RAL 7021 |
| Weight | approx. 6.2 kg (without batteries) |
| Dimensions | W: 420 mm H: 420 mm D: 180 mm (add. housing for battery) W: 400 mm H: 420 mm D: 80 mm (power supply) |

 The batteries used must be tested and approved by the VdS. It is allowed at parallel connection of rechargeable batteries only same type of rechargeable batteries of the same age and from the same production series can be used.

 Power pack with additional battery housing and 3 m thermistor battery connection cable

F-BO-AFE70-2

NEW



Features


- Compact service unit
- Preventive or event-controlled blow-out programs selectable
- Easy integration, even in inventory systems
- 6 stored, selectable programs for cyclic cleaning runs
- Control input for manual cleaning cycles
- Integrated clock module for daytime-dependent cleaning cycles
- Up to 3700l / min air flow at 7 bar air pressure

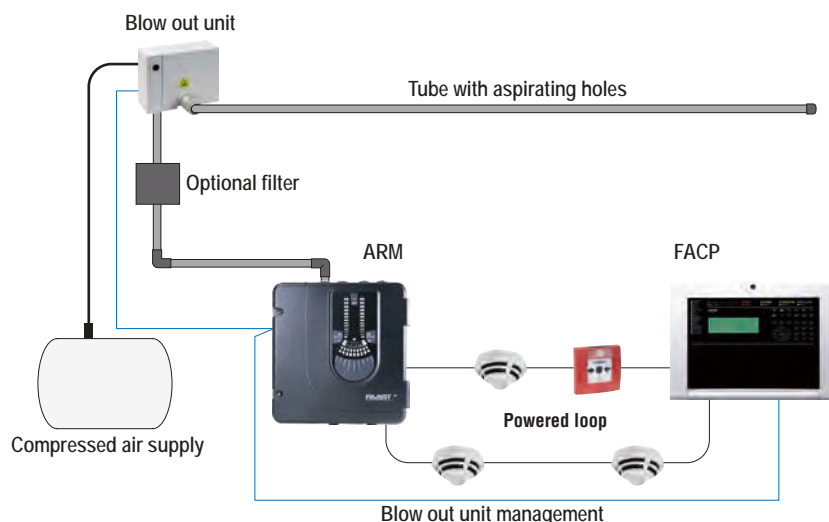
Blow off device for pipe system – FFAST series

The blow-off device enables the automatic cleaning of the pipes of aspirating smoke detectors, with compressed air. Control takes place via predefined, selectable control cycles, event-controlled with contamination messages or manually via a control input. The solenoid valve controls the compressed air from a storage tank or compressor unit for short-term rinsing of the pipe system and the suction openings.

Technical Data

| | |
|-----------------------------|---------------------------------|
| Operating voltage | 21.6 ... 30 V DC |
| Quiescent current @ 24 V DC | approx. 8 mA |
| Ambient temperature | -5 °C ... 50 °C |
| Housing | sheet steel |
| Color | gray white, similar to RAL 9002 |
| Weight | approx. 3.2 kg |
| Dimensions | W: 204 mm H: 68 mm D: 160 mm |

 An external power supply is required for the power supply.
Compressed air supply:
max. permissible overpressure 0,7MPa (7,0bar)
recommended minimum pressure 0,2MPa (2,0bar)



VEU-A00

NEW



Features

- Flair detection technology delivers reliable very early warning in a wide range of environments with minimal nuisance alarms • Multi stage filtration and optical protection with clean air barriers ensures lifetime detection performance
- Four alarm levels and an ultra wide sensitivity range deliver optimum protection for the widest range of applications
- Intuitive LCD icon display provides instant status information for immediate response
- Flow fault thresholds per port accommodate varying airflow conditions
- Smart on-board filter retains dust count and remaining filter life for predictable maintenance
- Extensive event log (20,000 events) for event analysis and system diagnostics
- AutoLearn™ smoke and flow for reliable and rapid commissioning
- Referencing to accommodate external environmental conditions to minimise nuisance alarms
- Fully backward compatible with VLP and VESDAnet
- Remote monitoring with iVESDA for system review and proactive maintenance
- Ethernet for connectivity with Xtralis software for configuration, secondary monitoring and maintenance
- Industry first. Aspirating detector secondary monitoring and maintenance via WiFi
- USB for PC configuration, and firmware upgrade using a memory stick
- Two programmable GPIs (1 monitored) for flexible remote control
- Field replaceable sub-assemblies enable faster service and maximum uptime

VESDA-E VEU with LED's

Approval: UL, ULC, VdS, CE, ActivFire

The VEU series of aspirating smoke detectors are the premium detector of the VESDA-E range. An Ultra-wide sensitivity range; 15 times greater than VESDA VLP, and provision for more sampling holes provide an increased coverage in high airflow applications by at least 40%. Considerably longer linear pipe runs and extended branched pipe network configurations cater perfectly to applications with higher ceilings providing an increased coverage by up to 80% whilst allowing convenient detector mounting for ease of service and maintenance. A range of revolutionary new features provide unsurpassed detection performance, flexibility, field programmability, connectivity and reduced total cost of ownership. **Flair Detection Technology** Flair is the revolutionary new detection chamber that forms the core of VESDA-E VEU, providing better detection, fewer nuisance alarms, higher stability, increased longevity and particle characterisation. Direct imaging of the sampled particles using a CMOS imager combined with multiple photo-diodes provides vastly more data that can be used to derive actionable information about the observed particles using analytics.

Installation, Commissioning and Operation

VESDA-E VEU features a robust IP40-rated enclosure and is equipped with a powerful aspirator that provides a total pipe length of 800 m (2,624 ft). Out of box operation is made possible with AutoConfig which allows airflow normalisation and AutoLearn Smoke and Flow to be initiated from within the detector. VEU is fully supported by the ASPIRE and Xtralis VSC software applications which facilitate ease of pipe network design, system commissioning and maintenance.

VESDAnet™

VESDA devices communicate on VESDAnet which provides a robust bi-directional communication network allowing continued redundant operation even during single point wiring failures. VESDAnet enables primary reporting, centralized configuration, control, maintenance and monitoring.

Ethernet and WiFi connectivity

VESDA-E detectors offer Ethernet and WiFi connectivity as standard features. The detector can be added to a corporate network, allowing WiFi enabled tablet devices and laptops installed with Xtralis configuration software to connect wirelessly to the detector via the network. **Backward**

Compatibility

VESDA-E VEU is fully compatible with existing VESDA installations. The detector occupies the same mounting footprint, pipe, conduit and electrical connector positioning as VESDA VLP. VEU is also compatible with existing VESDAnet installations allowing monitoring of both VESDA-E and legacy detectors via the latest iVESDA application

Technical Data

| | |
|-----------------------------|---|
| Operating voltage | 18 ... 30 V DC |
| Quiescent current @ 24 V DC | approx. 613 mA |
| Alarm current @ 24 V DC | approx. 646 mA |
| Contact load relay | 2 A @ 30 V DC NO/NC |
| Sensitivity | 0.001% - 20% obs/m (0.0003% - 6.25% obs/ft) |
| Connection terminal | 0.2 - 2.5 mm ² |
| Maximum tube length | 100 m |
| Area to be monitored | 1600 m ² |
| Type of protection | IP 40 |
| Weight | approx. 4.83 kg |
| Specification | EN 54-20, Class A (80 holes / Fire 1 = 0.015% obs/m), Class B (80 holes / Fire 1 = 0.026% obs/m), Class C (100 holes / Fire 1 = 0.062% obs/m) |
| Dimensions | W: 350 mm H: 225 mm D: 135 mm |



Filter included in detector

Accessories

VSP-962 VESDA filter for VEU, VEP

VEU-A10

NEW



Features

- Flair detection technology delivers reliable very early warning in a wide range of environments with minimal nuisance alarms
- Multi stage filtration and optical protection with clean air barriers ensures lifetime detection performance
- Four alarm levels and an ultra wide sensitivity range deliver optimum protection for the widest range of applications
- Intuitive LCD icon display provides instant status information for immediate response
- Flow fault thresholds per port accommodate varying airflow conditions
- Smart on-board filter retains dust count and remaining filter life for predictable maintenance
- Extensive event log (20,000 events) for event analysis and system diagnostics
- AutoLearn™ smoke and flow for reliable and rapid commissioning
- Referencing to accommodate external environmental conditions to minimise nuisance alarms
- Fully backward compatible with VLP and VESDAnet
- Remote monitoring with iVESDA for system review and proactive maintenance
- Ethernet for connectivity with Xtralis software for configuration, secondary monitoring and maintenance
- Industry first. Aspirating detector secondary monitoring and maintenance via WiFi
- USB for PC configuration, and firmware upgrade using a memory stick
- Two programmable GPIs (1 monitored) for flexible remote control
- Field replaceable sub-assemblies enable faster service and maximum uptime

VESDA-E VEU with 3.5" Display

Approval: UL, ULC, VdS, CE, ActivFire

The VEU series of aspirating smoke detectors are the premium detector of the VESDA-E range. An Ultra-wide sensitivity range; 15 times greater than VESDA VLP, and provision for more sampling holes provide an increased coverage in high airflow applications by at least 40%. Considerably longer linear pipe runs and extended branched pipe network configurations cater perfectly to applications with higher ceilings providing an increased coverage by up to 80% whilst allowing convenient detector mounting for ease of service and maintenance. A range of revolutionary new features provide unsurpassed detection performance, flexibility, field programmability, connectivity and reduced total cost of ownership. **Flair Detection Technology** Flair is the revolutionary new detection chamber that forms the core of VESDA-E VEU, providing better detection, fewer nuisance alarms, higher stability, increased longevity and particle characterisation. Direct imaging of the sampled particles using a CMOS imager combined with multiple photo-diodes provides vastly more data that can be used to derive actionable information about the observed particles using analytics.

Installation, Commissioning and Operation

VESDA-E VEU features a robust IP40-rated enclosure and is equipped with a powerful aspirator that provides a total pipe length of 800 m (2,624 ft). Out of box operation is made possible with AutoConfig which allows airflow normalisation and AutoLearn Smoke and Flow to be initiated from within the detector. VEU is fully supported by the ASPIRE and Xtralis VSC software applications which facilitate ease of pipe network design, system commissioning and maintenance.

VESDAnet™

VESDA devices communicate on VESDAnet which provides a robust bi-directional communication network allowing continued redundant operation even during single point wiring failures. VESDAnet enables primary reporting, centralized configuration, control, maintenance and monitoring.

Ethernet and WiFi connectivity

VESDA-E detectors offer Ethernet and WiFi connectivity as standard features. The detector can be added to a corporate network, allowing WiFi enabled tablet devices and laptops installed with Xtralis configuration software to connect wirelessly to the detector via the network. **Backward**

Compatibility

VESDA-E VEU is fully compatible with existing VESDA installations. The detector occupies the same mounting footprint, pipe, conduit and electrical connector positioning as VESDA VLP. VEU is also compatible with existing VESDAnet installations allowing monitoring of both VESDA-E and legacy detectors via the latest iVESDA application

Technical Data

Common technical data:

| | |
|-------------------------------|---|
| Operating voltage | 18 ... 30 V DC |
| Current consumption @ 24 V DC | approx. 658 mA |
| Alarm current @ 24 V DC | 691 mA |
| Connection terminal | 0.2 - 2.5 mm² |
| Area to be monitored | 1600 m² |
| Application temperature | 0 °C ... 39 °C |
| Air humidity | < 10 % |
| Type of protection | IP 40 |
| Weight | approx. 4.8 kg |
| Specification | EN 54-20, Class A (80 holes / Fire 1 = 0.015% obs/m), Class B (80 holes / Fire 1 = 0.026% obs/m), Class C (100 holes / Fire 1 = 0.062% obs/m) |
| Dimensions | W: 350 mm H: 225 mm D: 135 mm |



Filter included in detector

Accessories

VSP-962 VESDA-E interner Filter

VEP-A00-1P

NEW



VEP with LEDs, 1 pipe

VLF-250

NEW



Features

- Plug & play function (simple installation and commissioning)
- Laser based smoke detection
- Programmable alarm threshold value
- Two-level air filtering
- 10 digit integrated bargraph display
- Integrated debugging function
- Event memory for up to 18,000 events
- Relay output: 3 changeover relays
- Actuation and resetting is carried out via the esserbus transponder (Part No. 808623) during loop operation
- Stand-alone system

VESDA LaserFOCUS VLF-250

Approval: VdS

Active stand-alone detection system based on laser technology for the early detection of fires in small areas.

The actuation on the loop and the resetting function is carried out via the esserbus transponder (Part No. 808623). Actuation on a conventional line is carried out via the same transponder. The device requires a separate voltage supply of 24 V DC.

Technical Data

| | |
|-----------------------------|------------------------------|
| Operating voltage | 18 ... 30 V DC |
| Quiescent current @ 24 V DC | max. approx. 220 mA |
| Alarm current @ 24 V DC | approx. max. 295 mA |
| Contact load relay | 2 A @ 30 V DC NO/NC |
| Sensitivity | 0.005 % - 20% obs/m |
| Connection terminal | 0.2 ... 2.5 mm ² |
| Maximum tube length | 25 m |
| Area to be monitored | 250 m ² |
| Temperature range | 0 °C ... 40 °C |
| Ambient temperature | 0 °C ... 40 °C |
| Air humidity | < 95 % |
| Type of protection | IP 30 |
| Weight | approx. 2 kg |
| Specification | EN 54-20, Class A, B, C |
| Dimensions | W: 255 mm H: 185 mm D: 90 mm |



Filter included in detector

Accessories

VSP-005 VESDA Filter for VLP, VLS, VLF, VLC

VLF-500

NEW

VESDA LaserFOCUS VLF-500

Approval: VdS

As VLF-250 but for areas up to 500 m².

Technical Data

| | |
|-----------------------------|--------------------|
| Quiescent current @ 24 V DC | approx. 410 mA |
| Alarm current @ 24 V DC | approx. 490 mA |
| Area to be monitored | 500 m ² |

VEP-A00-P

NEW



Features

- Multi stage filtration and optical protection with clean air barriers
- Four alarm levels and an ultra wide sensitivity range
- Secondary monitoring and maintenance via WiFi
- USB for PC configuration, and firmware upgrade using a memory stick
- Remote monitoring with iVESDA
- Fully backward compatible with VLP and VESDAnet
- AutoLearn™ smoke and flow
- Extensive event log - 20 000 events

VEP with LEDs, 4 pipes

Approval: VdS

The VESDA-E VEP series of smoke detectors bring the latest and most advanced detection technology to provide very early warning and the best nuisance alarm rejection to a wide range of applications. Built on the Flair detection technology and years of application experience, VEP detectors achieve consistent performance over their lifetime via absolute calibration. In addition, the VEP delivers a range of revolutionary features that provide user value.

Flair Detection Technology

Flair is the revolutionary new detection chamber that forms the core of VESDA-E VEP, providing better detection, fewer nuisance alarms, higher stability, increased longevity and particle characterisation. Direct imaging of the sampled particles using a CMOS imager combined with multiple photo-diodes allow vastly more data that can be used to derive actionable information about the observed particles using analytics.

Technical Data

| | |
|-----------------------------|-------------------------------|
| Operating voltage | 18 ... 30 V DC |
| Quiescent current @ 24 V DC | approx. 367 mA |
| Alarm current @ 24 V DC | approx. 400 mA |
| Contact load relay | 2 A @ 30 V DC NO/NC |
| Sensitivity | 0.005%-20% obs/m |
| Connection terminal | 0.2-2.5 mm ² |
| Maximum tube length | 560 m |
| Area to be monitored | 1600 m ² |
| Ambient temperature | 0 °C ... 39 °C |
| Type of protection | IP 40 |
| Weight | approx. 4.83 kg |
| Specification | EN 54-20, Class A, B, C |
| Dimensions | W: 350 mm H: 225 mm D: 135 mm |



Filter included in detector

Accessories

VSP-962 VESDA Filter for VEU, VEP

VEP-A10-P

NEW

VESDA VEP 4 pipe with Display

As VEP-A00-P but with 3,5" display.

VEA-040-A00

NEW

VESDA-E VEA-40 Aspirating Smoke Detector



Technical Data

| | |
|----------------------|---------------------------------|
| Area to be monitored | 1600 m² |
| Weight | approx. 9,9 kg |
| Dimensions | W: 352 mm H: 336 mm D: 135,5 mm |

VLI-880

NEW



Features

- Suitable for Class 1 Division 2 applications - Group A, B, C & D
- Up to 4 inlet pipes
- Five high intensity status LEDs for greater visibility
- Robust absolute smoke detection
- Intelligent Filter (patent pending)
- Lint Trap to capture fibrous particulates
- Secondary filter
- Clean air barrier for optics protection
- AutoLearn™ Smoke and Flow
- Clean Air Zero™
- Air-path monitoring
- Five relays (Fire, Fault and 3 configurable)
- Ultrasonic Flow Sensing
- Absolute smoke detection
- Wide sensitivity range
- Five (5) status LEDs
- VESDAnet communication (VN)
- Clean air barrier optics protection
- Three (3) Alarm Levels
- Three (3) Programmable Relays
- Optional remote display and relay capability
- Simple mounting design

VESDA VLI with Relays and Ethernet Only

Approval: UL, ULC, FM, CCC, ActivFire, CE, LPCB, VdS, NF, VNIPO

The VESDA VLC detector for industrial and harsh environments has been specifically designed to provide all the benefits of aspirating smoke detection, including very early warning, in single environment small areas and where space is a premium.

The VLC combines the well-proven VESDA VLP detection technology with a modified aspirator design, and incorporates them into a compact enclosure with a simplified display.

Two variants and a remote display option

The VLC is available in two versions, one that interfaces via relays only (RO) and one that interfaces via relays and VESDAnet (VN).

The VN version is compatible with the remote Display Module, which allows the current status of the detector to be reported in the most convenient location. The remote Display Module has 7 remote relays to support any combination of signalling that may be demanded by the application. The VN version allows several detectors to be linked together on VESDAnet thereby allowing one to act as a reference detector for other VESDA detectors.

The VLC is made up of two parts: the main enclosure and the front cover.

The main enclosure houses all the key components of the detector. All non-serviceable items like the main processor board and detector chamber are mounted away from the general access area, protecting them during the installation and service process.

How it works

Air is continually drawn through a simple pipe network to a central detector by a high efficiency aspirator. Air entering the unit passes a flow sensor before a sample is passed through a dual-stage dust filter (the majority of air is exhausted from the detector and back-vented to the protected area). The first stage removes dust and dirt from the air sample before it enters the chamber for smoke detection. The second, ultra-fine stage provides a clean air supply to be used inside the detection chamber to form clean air barriers, which protect the optical surfaces from contamination. The detection chamber uses a stable, highly efficient laser light source and unique sensor configuration to achieve the optimum response to a wide range of smoke types. When smoke passes through the detection chamber it creates light scatter which is detected by the very sensitive sensor circuitry.

The status of the detector, all alarms, service and fault events, are monitored and logged with time and date stamps. Status reporting can be transmitted via simple relay connections or across the advanced VESDAnet communications network (VN version only).

Technical Data

| | |
|-----------------------------|--|
| Operating voltage | 18 ... 30 V DC |
| Quiescent current @ 24 V DC | approx. 415 mA |
| Alarm current @ 24 V DC | approx. 440 mA |
| Contact load relay | 2 A @ 30 V DC NO/NC |
| Sensitivity | 0.005% - 20% obs/m (0.0015% - 6.25% obs/ft) |
| Connection terminal | 0.2 ... 2.5 mm ² |
| Maximum tube length | 360 m |
| Area to be monitored | 1600 m ² |
| Ambient temperature | -10 °C ... 55 °C |
| Color | Housing: black, Display: orange, similar to RAL 7035 |
| Weight | approx. 6.035 kg |
| Specification | EN 54-20, Class A (30 holes, 0.05% obs/m), Class B (36 holes, 0.09% obs/m), Class C (40 holes, 0.165% obs/m) |
| Dimensions | W: 426,5 mm H: 316,5 mm D: 180 mm |



Filter included in detector

VLI-885

NEW

VESDA VLI with VESDAnet

As VLI-800 but with VesdaNet implemented.

VSP-030

NEW



VESDA intelligent filter spare part

Intelligent filter spare part for VESDA VLI.

VSP-031

NEW



VLI Secondary Filter Spare Part

Internal secondary filter spare part for VESDA VLI.

VSP-032

NEW



VLI Aspirator Spare Part

Spare part aspirator for VESDA VLI.

VSP-034

NEW



VLI VESDANET CARD

Spare part card for VESDA VLI-885.

VSP-962

NEW



VESDA filter for VEU, VEP

Replacement filter for VESDA VEU and VEP detectors.

 1 piece

VSP-963

NEW

VESDA-E Series aspirator

VER-A40-40-STX

NEW



VESDA-E VEA 40-Relay Local StaX

Technical Data

Ambient temperature

Weight

Dimensions

0 °C ... 39 °C

approx. 5,1 kg

W: 352.05 mm H: 340.5 mm D: 135.5 mm

VSP-980-W

NEW



VESDA-E VEA 6mm Standard Sampling Point

VSP-980-W22

NEW



VESDA-E VEA 6mm Standard Sampling Point



22 pieces VSP-980-W

VSP-981-W

NEW



VESDA-E VEA 4mm Standard Sampling Point

VSP-981-W22

NEW



VESDA-E VEA 4mm Standard Sampling Point



22 pieces VSP-981-W

VSP-982-W

NEW



VESDA-E VEA 6mm Surface Mount White Sampling Point

VSP-982-W22

NEW



VESDA-E VEA 6mm Surface Mount White Sampling Point



22 pieces VSP-982-W

Detectors for Special Applications

Aspirating Smoke Detectors

VSP-990

VEA 6mm Microbore Tube (UL) Rated 1000ft

NEW



VSP-991

VEA 4mm Microbore Tube (UL) Rated 500ft

NEW




VSP-998

VEA Blanking Plug 6mm 50 Pack

NEW




 50 pieces

VSP-1000

VEA 6mm to 4mm Reducer 10 Pack

NEW




 10 pieces

VSP-1001

VEA 6mm to 6mm Joiner Straight 10 Pack

NEW




 10 pieces

VSP-1002

VEA 4mm to 4mm Joiner Straight 10 Pack

NEW




 10 pieces

VSP-1003

VEA 6mm to 6mm Joiner Right Angle 10 Pac

NEW




 10 pieces

VSP-1004

VEA 4mm to 4mm Joiner Right Angle 10 Pac

NEW



 10 pieces

VSP-972

VEA Filter

NEW



Spare part filter for VEA aspirating smoke detector VEA.

VSP-973

NEW



VEA Pump

Spare part pump for aspirating smoke detector VEA.

VSP-978

NEW



VESDA-E VEA Sample Point Head Removal Key


 10 pieces

VSP-979

NEW



VESDA- E VEA M/bore Tube Cutter

 3 pieces.

VPS-250-STX

NEW



VESDA-E STX PSU 2A 24AH

VESDA-E Power Supply Units are uniquely designed to complement the style and appearance of VESDA-E aspirating smoke detectors (ASD) and are technically matched to provide sufficient current and battery charging capacity to meet the requirement of EN 54-4. The STX variants are VdS approved and CE marked to EN54-4 so are particularly suitable for use in territories where these approvals are required. They may also be suitable in territories where ISO 7240-4 is required.

Technical Data

| | |
|---------------------|---|
| Operating voltage | 230 V DC |
| Ambient temperature | -5 °C ... 40 °C |
| Air humidity | < 95 % |
| Color | matt black |
| Weight | approx. 5.8 kg (without batteries) approx. 25 kg (with max. batteries) |
| Dimensions | W: 300 mm H: 150 mm D: 135 mm |

Features

- Available in two sizes: 0.5 A / 14 Ah (max) and 2 A / 24 Ah (max)
- Available in two colours: Matt Black or Silver/Gray (similar to RAL 7047)
- Temperature compensated charging to maximize battery life
- Designed to blend in with VESDA-E detectors
- Knockouts designed to line up with VESDA-E detectors
- External LED indication
- Relay outputs for connection to the general-purpose input for fault monitoring
- 230 VAC only

VPS-250-STX-SLV

NEW



Power supply 0.5A 24-38AH PSU-STX silver

As VESDA-E STX (Part No. VPS-250-STX), but in gray, fitting to aspirating smoke detector VESDA-E VEU.

Technical Data

Color gray, similar to RAL 7047

761515



LRS compact, German

Approval: VdS

Active stand-alone early fire detection system using laser technology.

The actuation on the loop and the resetting function is carried out via the esserbus transponder (Part No. 808623). Actuation on a conventional line is carried out via the same transponder. The device requires a separate voltage supply of 24 V DC.

Technical Data

| | |
|---------------------|------------------------------|
| Operating voltage | 18 ... 30 V DC |
| Connection terminal | 0.2 to 2.5 mm ² |
| Ambient temperature | -10 °C ... 39 °C |
| Storage temperature | -20 °C ... 60 °C |
| Air humidity | < 95 % |
| Housing | polycarbonate |
| Color | gray, similar to RAL 7035 |
| Weight | approx. 1.9 kg |
| Dimensions | W: 225 mm H: 225 mm D: 85 mm |

Features

- Adjustable sensitivity from 0.005 % / m up to 20 % / m obscuration
- 3 programmable alarm thresholds (alarm, pre alarm, main alarm).
- For an increased protection from false alarms, all alarm thresholds can be given a time window of 0 – 60 sec
- 2 fault levels (maintenance, fault)
- 3 potential-free contacts (switching capacity 30 V DC/ 2 A) consisting of 1 potential-free changeover contact and 2 potential-free switching contacts
- Filter and air stream monitoring for easier maintenance
- Event memory for up to 12,000 events
- For use with an extraction tube with a total length of max. 80m (2 x 50 m)
- Automatic learning function for determining optimum sensitivity level (the units remain operative during this learning phase)
- Adjustments can be made by means of a PC in combination with VConfig PRO and ASPIRE Windows software and a standard interface cable w/o interface (modules are not supplied as standard)
- Main alarm, pre alarm, trouble and operation status are indicated on the front panel
- Actuation and resetting is carried out via the esserbus transponder (Part No. 808623) during loop operation
- Stand-alone system

TITANUS PRO SENS® EB/PRO SENS® EB-SL

Features

- Highest application flexibility through modular design
- Fully integrated esserbus device and direct connection to the esserbus/esserbus-PLus (powered loop)
- Programming and commissioning via the FACP (System 8000 / IQ8Control / FlexES)
- Easy commissioning through pre-set system configuration at delivery
- Parameters for response sensitivity can be configured at the detector module
- Up to 180 m duct length per duct
- Up to 24 suction vents
- Two-detector dependency can be set up in compliance with VdS guidelines
- Parallel detector indicator (Part No. 801824) can be connected

Technical Data

| | |
|---------------------|-------------------------------|
| Connection terminal | max. 1.5 mm ² |
| Air humidity | < 95 % |
| Housing | ABS plastic |
| Color | white, similar to RAL 9018 |
| Weight | approx. 1.35 kg |
| Dimensions | W: 200 mm H: 292 mm D: 113 mm |



New:

- Direct reset via integrated reset function

| Type | Pro Sens TK | | | | Top Sens TK | | | Pro Sens SL | | |
|--|-------------|-----------|-----------|-----------|-------------|-----------|-----------|--------------|--------------|--------------|
| Part Number | 801515.10 | 801521.10 | 801522.10 | 781521.10 | 801531.10 | 801532.10 | 781531.10 | 801521.10.SL | 801522.10.SL | 781531.10.SL |
| Manufacturer-configured for operation with one pipe | X | X | | X | X | | X | X | | X |
| Manufacturer-configured for operation with two pipes | | | X | | | X | | | X | |
| "Info alarm" display at the unit and at the fire alarm panel | | | | | X | X | X | | | X |
| "Pre-alarm" display at the unit and at the fire alarm panel | | | | | X | X | X | | | X |
| "Fire alarm" display at the unit and at the fire alarm panel | X | X | X | X | X | X | X | X | X | X |
| "Fault" display at the unit and at the fire alarm panel | X | X | X | X | X | X | X | X | X | X |
| Noise reduced operation | | | | | | | | X | X | X |
| Bargraph | | | | | X | X | X | | | X |
| Plug-and-play commissioning | X | | | | | | | | | |
| Direct connection to the esserbus/powered loop | X | X | X | X | X | X | | X | X | X |
| Operating temperature range from -10 °C to +55 °C | X | X | X | | X | X | | X | X | X |
| Operating temperature range from -40 °C to +60 °C | | | | X | | | X | | | |

Application example

801515.10

Compact unit TITANUS PRO SENS® EB



Features


- Fire and fault indication directly at the unit and at the FACP
- Fast commissioning through automatic initializing process and plug & play operation
- Air flow monitoring for detecting pipe burst or tube blocking
- Protection against disturbances when implemented LOGIC SENS function is activated
- Integrated and pre-configured detector module (Part No. 801523.10)


Approval: VdS

Active system for the early detection of fires. It serves as room and furnishing protection and can be directly connected to the esserbus/powered loop. The compact aspirating smoke detection system TITANUS PRO SENS® EB is completely supplied with detector module DM-TP-50L. Plug & play operation for fast and simple commissioning through pre-programmed standard functions and pre-configured detector modules.

Technical Data

| | |
|-----------------------------|-----------------------------------|
| Operating voltage | 14 ... 30 V DC |
| Quiescent current @ 24 V DC | approx. 275 mA at 9 V fan voltage |
| Ambient temperature | -20 °C ... 60 °C |
| Storage temperature | -25 °C ... 65 °C |
| Type of protection | IP20 |

 The previously required isolator and the reset PCB is no longer required to be fitted to this detector and is no longer available to order. The detector is now fitted as standard with the esserbus alarm transponder which incorporates all of the functions for which these devices provided.
Isolator not included with delivery, can be optionally ordered under Part No. 788612.

 Pre-configured TITANUS PRO SENS® EB basic device including esserbus transponder and reset PC board as well as the TITANUS PRO SENS® EB front foil and pre-configured detector module DM-TP-50L.

801521.10

Basic unit TITANUS PRO SENS® EB



Features


- Pre-configured for connecting a DM-TP-xx detector module
- Optical status display for alarm and fault indication at the front foil
- Extendable for integrating up to two DM-TP-xx detector modules to connect a second tube
- Ports for two suction tubes with outside diameter of 25 mm
- Port for air return tube


Approval: VdS

Basic unit for wall mounting, ready to accommodate a DM-TP-xx detector module. TITANUS PRO SENS® EB can be directly connected to the esserbus/powered loop. The unit is supplied with front foil for single-tube operation.

Technical Data

| | |
|-----------------------------|-----------------------------------|
| Operating voltage | 14 ... 30 V DC |
| Quiescent current @ 24 V DC | approx. 275 mA at 9 V fan voltage |
| Ambient temperature | -20 °C ... 60 °C |
| Storage temperature | -25 °C ... 65 °C |
| Type of protection | IP20 |

 The previously required isolator and the reset PCB is no longer required to be fitted to this detector and is no longer available to order. The detector is now fitted as standard with the esserbus alarm transponder which incorporates all of the functions for which these devices provided.
Isolator not included with delivery, can be optionally ordered under Part No. 788612.

 Pre-configured basic device including esserbus transponder and reset PC board as well as the front foil.

801521.10.SL



Features

- Pre-configured for connecting a DM-TP-xx detector module
- Optical status display for alarm and fault indication at the front foil
- Extendable for integrating up to two DM-TP-xx detector modules to connect a second tube
- Ports for two suction tubes with outside diameter of 25 mm
- Port for air return tube

Basic unit TITANUS PRO SENS® EB with silent fan

Approval: VdS

Same as 801521.10, but premounted SL fan for operation in noise-sensitive areas. With the SL fan, the operating noise volume of the unit is reduced to a level as low as 23 dB (A) depending on ambient conditions.

Technical Data

| | |
|-----------------------------|--|
| Operating voltage | 14 ... 30 V DC |
| Quiescent current @ 24 V DC | max. approx. 275 mA at 9 V fan voltage |
| Contact load relay | 30 V DC/1 A max. 24 W |
| Ambient temperature | -20 °C ... 60 °C |
| Storage temperature | -25 °C ... 65 °C |
| Type of protection | IP20 |
| Specification | EN54-20 |



Pre-configured basic device including esserbus transponder and reset PC board as well as the front foil.

801522.10



Features

- Pre-configured for connecting a DM-TP-xx detector module
- Optical status display for alarm and fault indication at the front foil
- Extendable for integrating up to two DM-TP-xx detector modules to connect a second tube
- Ports for two suction tubes with outside diameter of 25 mm
- Port for air return tube

Basic unit TITANUS PRO SENS® 2 EB

Approval: VdS

Basic unit for wall mounting, ready for receiving up to two detector modules DM-TP-xx. The TITANUS PRO SENS® 2 EB can be directly connected to the esserbus/power loop. The device is supplied with front foil for two-tube operation.

Technical Data

| | |
|-----------------------------|-----------------------------------|
| Operating voltage | 14 ... 30 V DC |
| Quiescent current @ 24 V DC | approx. 295 mA at 9 V fan voltage |
| Ambient temperature | -20 °C ... 60 °C |
| Storage temperature | -25 °C ... 65 °C |
| Type of protection | IP20 |



The previously required isolator and the reset PCB is no longer required to be fitted to this detector and is no longer available to order. The detector is now fitted as standard with the esserbus alarm transponder which incorporates all of the functions for which these devices provided.
Isolator not included with delivery, can be optionally ordered under Part No. 788612.



Pre-configured basic device including esserbus transponder and reset PC board as well as the front foil.

801522.10.SL



Features

- Pre-configured for connecting a DM-TP-xx detector module
- Optical status display for alarm and fault indication at the front foil
- Extendable for integrating up to two DM-TP-xx detector modules to connect a second tube
- Ports for two suction tubes with outside diameter of 25 mm
- Port for air return tube

Basic unit TITANUS PRO SENS® 2 EB with silent fan

Approval: VdS

Same as 801522.10, but with premounted SL fan for operation in noise-sensitive areas. With the SL-fan, the operating noise of the device drops to 23 dB (A) depending on the environmental conditions.

Technical Data

| | |
|-----------------------------|-----------------------------------|
| Operating voltage | 14 ... 30 V DC |
| Quiescent current @ 24 V DC | approx. 295 mA at 9 V fan voltage |
| Ambient temperature | -20 °C ... 60 °C |
| Storage temperature | -25 °C ... 65 °C |
| Type of protection | IP20 |



Pre-configured basic device including esserbus transponder and reset PC board as well as the front foil.

801531.10



Features

- Pre-configured for connecting a DM-TP-xx detector module
- Optical status display for alarm and fault indication at the front foil
- Extendable for integrating up to two DM-TP-xx detector modules to connect a second tube
- Ports for two suction tubes with outside diameter of 25 mm
- Port for air return tube

781531.10.SL



Features

- Pre-configured for connecting a DM-TP-xx detector module
- Optical status display for alarm and fault indication at the front foil
- Extendable for integrating up to two DM-TP-xx detector modules to connect a second tube
- Ports for two suction tubes with outside diameter of 25 mm
- Port for air return tube
- Reduced operating volume up to 23 dB (A) with silencer

Basic unit TITANUS TOP SENS® EB

Approval: VdS

Basic unit for wall mounting, ready for receiving a detector module DM-TT-xx. It is provided with three alarm levels for information alarm, pre-alarm and main alarm as well as with a bargraph display to indicate the specific smoke density. The TITANUS PRO SENS® EB can be directly connected to the esserbus/powerd loop.

The device is supplied with front foil for single-tube operation.

Technical Data

| | |
|-----------------------------|-----------------------------------|
| Operating voltage | 14 ... 30 V DC |
| Quiescent current @ 24 V DC | approx. 260 mA at 9 V fan voltage |
| Ambient temperature | -20 °C ... 60 °C |
| Storage temperature | -25 °C ... 65 °C |
| Type of protection | IP20 |



The previously required isolator and the reset PCB is no longer required to be fitted to this detector and is no longer available to order. The detector is now fitted as standard with the esserbus alarm transponder which incorporates all of the functions for which these devices provided.

Isolator not included with delivery, can be optionally ordered under Part No. 788612.



Pre-configured basic device including esserbus transponder and reset PC board as well as the front foil.

Basic unit TITANUS TOP SENS® EB 1 with silent fan

As 801531.10, but with pre-assembled SL fan for operation in noise-sensitive areas. The SL fan reduces the operating volume of the device to up to 23 dB (A) depending on the ambient conditions.

Basic unit for wall mounting, ready for receiving a detector module DM-TT-xx. It is provided with three alarm levels for information alarm, pre-alarm and main alarm as well as with a bargraph display to indicate the specific smoke density. The TITANUS PRO SENS® EB can be directly connected to the esserbus / powered loop.

The device is supplied with front foil for single-tube operation.

Technical Data

| | |
|-----------------------------|--|
| Operating voltage | 14 ... 30 V DC |
| Quiescent current @ 24 V DC | approx. 260 mA at 9 V fan voltage |
| Contact load relay | 30 V DC/1 A max. 24 W |
| Sound level | approx. 45 dB(A) (with sound absorber part no. 801543) |
| Ambient temperature | -20 °C ... 60 °C |
| Storage temperature | -25 °C ... 65 °C |
| Type of protection | IP20 |



The previously required isolator and the reset PCB is no longer required to be fitted to this detector and is no longer available to order. The detector is now fitted as standard with the esserbus alarm transponder which incorporates all of the functions for which these devices provided.



Pre-configured basic device including esserbus transponder and reset PC board as well as the front foil.

801532.10

Basic unit TITANUS TOP SENS® EB



Features

- Pre-configured for usage with two DM-TT-xx detector modules
- Optical status display for information alarm, pre-alarm, main alarm and fault indication
- Integrated bar graph display to optically indicate the current smoke level
- Ports for two suction tubes with an outside diameter of 25 mm
- Port for air return tube
- Possible two-detection-dependency as per VdS directive

Approval: VdS

Basic device for wall mounting, pre-configured to receive up to two DM-TT-xx detector modules. The TITANUS PRO SENS® 2 EB is directly connectable to the esserbus/esserbus-PLus. The device is shipped equipped with the front foil for the double tube operation.

Technical Data

Quiescent current @ 24 V DC

approx. 260 mA at 9 V fan voltage



The previously required isolator and the reset PCB is no longer required to be fitted to this detector and is no longer available to order. The detector is now fitted as standard with the esserbus alarm transponder which incorporates all of the functions for which these devices provided.

Isolator not included with delivery, can be optionally ordered under Part No. 788612.



Pre-configured basic device including esserbus transponder and reset PC board as well as the front foil.

Detector Modules for TITANUS PRO SENS® EB

801523.10

Detector module 0.5 %/ m Type DM-TP-50



Features

- Response sensitivity adjustable at the module
- Fast commissioning through automatic initializing process
- Status display for status and fault diagnosis
- Installation into Titanus Pro Sens EB without tools
- Air flow monitoring for detecting pipe burst and tube blockage

Detector module for application in Titanus Pro Sens EB aspirating smoke detection systems (Part No. 801515.10, 801521.10, 801522.10) with a response sensitivity of 0.5 % light opacity/m. Early fire detection via HPLS technology. Installation into Titanus Pro Sens EB systems without tools and adjustable via DIL switch on the outside of the detector module. The parameterization option allows sensitivity adjustments for the aspirating smoke detection system.

Technical Data

Ambient temperature
Housing
Weight

-20 °C ... 60 °C
ABS plastic
approx. 100 g

801524.10

Detector module 0.10 %/ m DM-TP-10L

Same as 801523.10, but with raised response sensitivity of 0.10 % light opacity/m.

Technical Data

Housing
Weight

ABS plastic
approx. 100 g

801525.10

Detector module 0.015 %/ m DM-TP-01L

Same as 801524.10, but with raised response sensitivity of 0.015 % light opacity/m.

Technical Data

Housing
Weight

ABS plastic
approx. 100 g

Detector Modules for TITANUS TOP SENS® EB

801533.10



Detector module 0.5 %/ m DM-TT-50L

Detector module for application in Titanus Top Sens aspirating smoke detection systems (Part No. 801531.10, 801532.10) with a response sensitivity of 0.5 % light opacity/m. Early fire detection via HPLS technology. Installation into Titanus Top Sens EB systems without using any tools and adjustable via DIL switch on the outside of the detector module. The parameter setting option allows sensitivity adjustments for the aspirating smoke detection system.

Technical Data

| | |
|---------------------|------------------|
| Ambient temperature | -20 °C ... 60 °C |
| Housing | ABS plastic |
| Weight | approx. 100 g |

801534.10

Detector module 0.10 %/ m DM-TT-10L

Same as 801533.10, but with a raised response sensitivity of 0.10 % light opacity/m.

Technical Data

| | |
|---------------------|------------------|
| Ambient temperature | -20 °C ... 60 °C |
| Housing | ABS plastic |
| Weight | approx. 100 g |

801535.10

Detector module 0.015 %/ m DM-TT-01L

Same as 801534.10 but, with a raised response sensitivity of 0.015 % light opacity/m.

Technical Data

| | |
|---------------------|------------------|
| Ambient temperature | -20 °C ... 60 °C |
| Housing | ABS plastic |
| Weight | approx. 100 g |

Accessories for TITANUS EB

801543.10

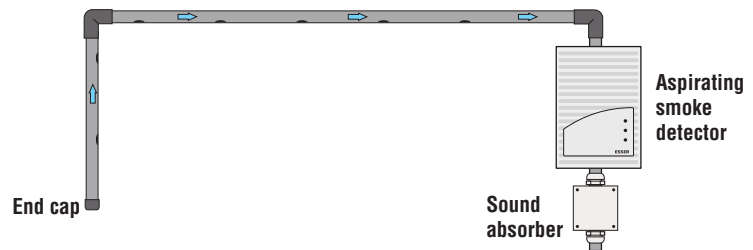
Sound absorber for TITANUS EB



Sound absorber for reducing sound levels in Titanus EB aspirating smoke detection systems for sound-sensitive applications. The sound absorber is connected to the tube outlet and reduces the sound level during operation by up to 10 dB(A). Installation either directly at the air release or with 10 cm maximum distance from the air release.

Technical Data

| | |
|-------------------------|------------------------------|
| Application temperature | -30 °C ... 60 °C |
| Material | ABS plastic |
| Color | gray, similar to RAL 7035 |
| Weight | approx. 454 g |
| Dimensions | W: 122 mm H: 194 mm D: 96 mm |



Application example

801544.10

Air filter



Air filter for usage in areas with interfering environmental influences e.g. dust.

Technical Data

| | |
|-------------------------|------------------------------|
| Application temperature | -30 °C ... 60 °C |
| Material | ABS plastic |
| Color | gray, similar to RAL 7035 |
| Dimensions | W: 122 mm H: 194 mm D: 96 mm |



Filter cartridges (1 x 60 ppi, 1 x 45 ppi, 1 x 25 ppi)

801604

Replacement air filter pads for 801544



Replacement cartridge for air filters (Part No. 801544), consisting of one fine, medium and coarse filter pad each.



Filter cartridges (1 x 60 ppi, 1 x 45 ppi, 1 x 25 ppi)



1 Set

801600

Microfilter



Special fine filter for use in areas with extreme pollution.

Technical Data

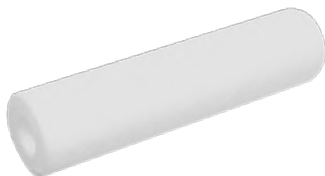
| | |
|------------|-----------|
| Dimensions | L: 418 mm |
|------------|-----------|

Features

- Filter cartridge filters particles up to a size of 7.5 µm
- Housing resistant to different organic and inorganic chemicals, fuels and hot water

801605

Replacement filter element for 801600



Technical Data

Application temperature
Material
Dimensions

-20 °C ... 60 °C
Polypropylene
Ø: 64 mm L: 254 mm

801540

Device holder for TITANUS EB



Device holder for mounting aspirating smoke detection systems to frames or for self-supporting mounting.

Technical Data

Weight
Dimensions

approx. 1.16 kg
W: 432 mm L: 92 mm

801542

Back-flow valve for TITANUS EB



Valve for cleaning the tubing system through air purging via compressed air. In systems with air purging, the non-return valve is mounted at the end of the tubing branch and prevents a build-up of dirt particles at the end of the tube.

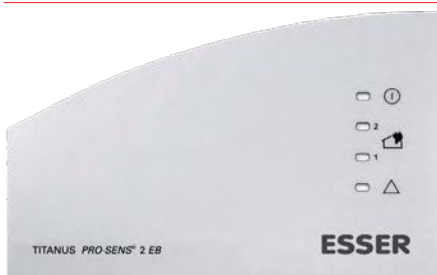
Technical Data

Color
Dimensions

dark gray
Ø: 25 mm

801547

Front foil TITANUS PRO SENS® EB



Front foil for indicating alarms when using two detector modules.

801548

Front foil TITANUS TOP SENS® EB



Front foil for indicating staged alarm modes and smoke density levels when using two detector modules.

801549.10

Diagnostics tool for TITANUS EB



Diagnostics tool for Titanus EB aspirating smoke detector systems for reading the measurement data and device configurations as well as for localization of faults.



Diagnostics interface, connecting cable and diagnostic software

Accessories

761520.10

Pipe (ABS), diameter 25 mm



Length = 30 m (each 3 m)

Technical Data

Ambient temperature -40 °C ... 70 °C

 10 pcs

761521.10

90° bend (ABS) for 25 mm pipe



Technical Data

Ambient temperature -40 °C ... 70 °C

 10 pcs

761522.10

90° angle (ABS) for 25 mm pipe



Technical Data

Ambient temperature -40 °C ... 70 °C

 10 pcs

761523.10

45° angle (ABS) for 25 mm pipe



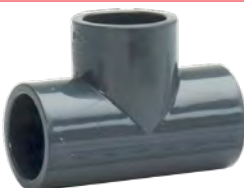
Technical Data

Ambient temperature -40 °C ... 70 °C

 10 Pcs.

761524.10

T-Piece (ABS) for 25 mm pipe



Technical Data

Ambient temperature -40 °C ... 70 °C

 10 pcs

761525.10

Sleeve (ABS) for 25 mm pipe



Technical Data

Ambient temperature -40 °C ... 70 °C

 10 Pcs.

761526.10

End cap (ABS) for 25 mm pipe



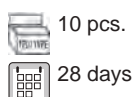
Technical Data

Ambient temperature -40 °C ... 70 °C

 10 pcs

761544.10

Threaded joint, detachable, 25 mm



761549

Ceiling lead-through adapter (ABS)



Ceiling lead-through adapter (ABS) for flexible suction hose set (Part No. 761542.10). Almost invisible integration into false ceilings.

Technical Data

Ambient temperature -10 °C ... 60 °C

761542.10

Suction hose set for 25 mm pipe



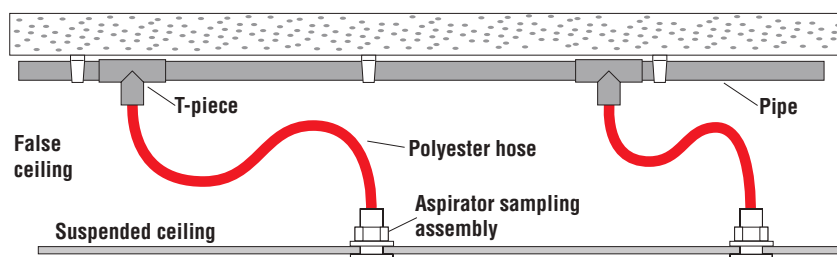
For flexible installation in object surveillance or suspended ceilings. All components are pre-mounted, but not glued; to enable cut and adaptation on-site.

Technical Data

Ambient temperature -10 °C ... 60 °C
Dimensions Ø: 10 mm L: 3000 mm

1 x T piece (761524), 3 m corrugated polyester hose, (761543), 1 x ceiling lead-through adapter with threaded joint

21 days



Application example: monitoring of room

801607

3-way ball valve (ABS)



For manual disconnection of aspirating smoke detectors from connected piping system during the blow cleaning process with compressed air.

Technical Data

Ambient temperature 0 °C ... 50 °C
Dimensions L: 131 mm

includes three transition screw joints for connection to a 25 mm piping system

801606

Condensate trap for aspirating smoke detectors



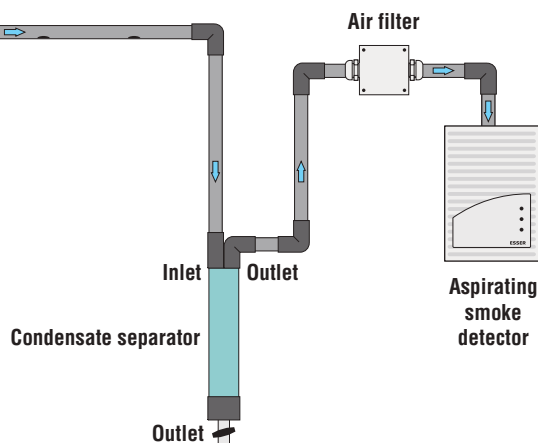
Features

- Plastic housing with manual outlet valve
- Plug connectors for attaching to a piping system

Condensate trap with sintered metal filter for separation and absorption of condensed liquids, used for protecting aspirating smoke detectors against humidity condensate, oil, etc.

Technical Data

| | |
|---------------------|-----------------------------|
| Ambient temperature | 0 °C ... 80 °C |
| Color | light gray |
| Weight | approx. 620 g |
| Dimensions | W: 68 mm H: 680 mm D: 36 mm |



Application example

761535

Adhesive, 0.5 kg can with brush-in-cap



Adhesive for connecting air tight ABS and PVC pipes.

Technical Data

| | |
|---------------------|------------------|
| Ambient temperature | -10 °C ... 60 °C |
|---------------------|------------------|



Due to its nature, this article contains components classified as dangerous goods. Please clarify in advance with your forwarding agent if he accepts the transport of dangerous goods and if necessary observe the import regulations. The dangerous goods class for road transport or air transport is as follows:

UN-No. UN1133

ADR-Class 3

761536

Detergent, 1l



Detergent for cleaning ABS and PVC pipes and fittings before gluing.

Technical Data

| | |
|---------------------|------------------|
| Ambient temperature | -10 °C ... 60 °C |
|---------------------|------------------|



Due to its nature, this article contains components classified as dangerous goods. Please clarify in advance with your forwarding agent if he accepts the transport of dangerous goods and if necessary observe the import regulations. The dangerous goods class for road transport or air transport is as follows:

UN-No. UN1193

ADR-Class 3

761537.10

Mounting clip for 25 mm pipe



Technical Data

| | |
|---------------------|------------------|
| Ambient temperature | -10 °C ... 70 °C |
|---------------------|------------------|



100 pcs

761546.10

Pipe cutter for PVC and ABS pipes



Technical Data

Ambient temperature -10 °C ... 60 °C
Material ABS



Tool for clean, fast pipe cuts. For thin-walled pipes also, $\varnothing \leq 63 \text{ mm}$ $\varnothing \leq 2"$.

761547

Labels-sampling points wrap round for VESDA ASD



The labels-sampling points wrap round serves for the marking of the intake points of the PVC/ABS pipe.

Technical Data

Ambient temperature -10 °C ... 60 °C



Please note the labels-sampling points wrap round are not used for tapering the intake points.



Roll with 200 labels.

801550

Banderole for aspiration reducing foil for TITANUS ASD



Banderole for securing aspiration reducing foil on the pipe system. The red marking is used for the localization of the aspirating holes in the object.

Technical Data

Ambient temperature -10 °C ... 60 °C



10 pcs

805540

Scorpion Control Unit Panel SCORP 8000



Features

- Smoke production adapted to functional testing of aspirating smoke detectors
- Length of smoke introduction adjustable to the features of the systems to be tested
- Transport time function to monitor current aspirating smoke detector transport time
- Connection of up to 8 test heads
- Battery operated

Scorpion®ASD is a unique, functional remote testing system for aspirating smoke detectors. Aspirating smoke detectors are traditionally tested after commissioning by introducing test smoke at the individual aspiration vents. This is often not only extremely impractical, but can also contaminate the ASD system. Scorpion offers an approved, harmless and non-contaminating test smoke that is precisely and repeatedly introduced. Because Scorpion testing heads are permanently mounted at the end of the pipe run, every test run during the system's lifetime is controlled and identical. By registering the Scorpion's activation time and the alarm trigger time, the transport time can also be measured.

Technical Data

Ambient temperature 5 °C ... 45 °C
Air humidity < 80 %



Scorpion controller SCORP 8000
Mounting frame

Accessories

| | |
|-----------|-----------------------------------|
| 805541 | Scorpion Head unit kit SCORP 2001 |
| 060431.10 | Battery baton Solo770 (3000mAh) |
| 805543.10 | Battery charger SOLO 727 |

805541



Scorpion Head Unit Kit SCORP 2001



SCORP 2001 Scorpion test probe for connection to a Scorpion controller via cable. Maximum cable run is 100 m. The test probe is installed at the end of a pipe system of an aspirating smoke detector. It provides up to 240 triggers, 15 seconds each.

Technical Data

| | |
|---------------------|----------------|
| Ambient temperature | 0 °C ... 60 °C |
| Air humidity | < 95 % |

-  Test probe is not refillable.
-  Test probe, holder plate, pipe connections

Features

- Designed for 240 triggers, 15 seconds each
- Aerosol generation tailored to the performance test of aspirating smoke detectors
- Test probe is connected via cable to the control unit (max. 100 m)

805542

Scorpion Power pack SCORP 50



The Scorpion battery is required to supply the Scorpion controller 805540 with power. The battery pack is charged via the Solo Universal Fast Battery Charger 805543.

Features

- NiMH battery with a rated output of 7.2 V

805543

Solo Universal Fast Battery Charger SOLO 726



Solo Universal Fast Battery Charger SOLO 726 is required to charge the SCORP 50 Scorpion battery. The charger has a 230 V connection as well as an in-car connector for the electrical system of a car via the cigarette lighter.

769080



Smoke pellets for testing purposes



Pellets for the generation of dense bright smoke. To charge detectors with smoke for testing purposes and verification of air flow. The pellets are lit with an open flame (e.g. matches, lighter etc.). Extinguishing is not necessary. Please ensure the use of a non-flammable base. After ignition the pellet will burn to complete ash (without formation of flames).

Technical Data

| | |
|------------------------|--------|
| Common technical data: | |
| Air humidity | < 95 % |

-  Without oil
-  6 pcs. smoke pellets

Features

- 40 sec. burning-time per smoke pellet
- 18 m³ smoke produced per smoke pellet

F-SP

NEW




Smoke pen

Pen with wick to create a gentle hovering smoke (and for easy viewing of air flow and leaks). The wick is lit with a match or cigarette lighter (not for use near combustible gases). The smoke is safe, non-toxic, without ash or residue. The floating smoke is particularly suitable for triggering e.g. aspirating smoke detectors. Easy handling, because the wick can be lit again several times. Thus the continuous stream can be started and stopped simply by plug on the supplied protective cap on the burning lit. The total burn time is max. 30 minutes per wick.

Technical Data

| | |
|------------|--------------------|
| Material | Plastic metal |
| Dimensions | Ø: 12 mm L: 150 mm |

 6 wicks for smoke production

F-SP-REFILL

NEW

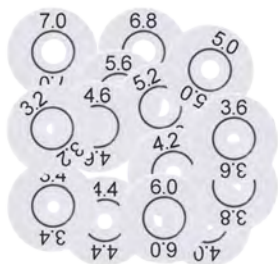


Spare wicks for Smoke pen (Part No. F-SP)

With 6 spare wicks for Smoke Pen a total burn time of 3 hours (à 30 minutes burning time each wick) can be reached.

 6 pcs.

Aspirating Reducing Foil Sheets



Foil sheet for ASD with defined diameters to reduce the diameter, by using a standard hole of 10 mm diameter. To reduce the installation time and to avoid borer exchanges.

- Only 10 mm drill necessary
- No annoying whistling
- Defined diameter, easily readable on site
- Finely graduated for optimal flow balance

Not suitable for ASD Systems with blow-free cleaning/deep freeze storages! Special aspirating foils for such an application are available on request!



10 pcs

| Part-No. | NAME |
|----------|--|
| 801551 | Aspiration reducing foil sheet, 2.0 mm |
| 801552 | Aspiration reducing foil sheet, 2.5 mm |
| 801553 | Aspiration reducing foil sheet, 3.0 mm |
| 801554 | Aspiration reducing foil sheet, 3.2 mm |
| 801555 | Aspiration reducing foil sheet, 3.4 mm |
| 801556 | Aspiration reducing foil sheet, 3.6 mm |
| 801557 | Aspiration reducing foil sheet, 3.8 mm |
| 801558 | Aspiration reducing foil sheet, 4.0 mm |
| 801559 | Aspiration reducing foil sheet, 4.2 mm |
| 801560 | Aspiration reducing foil sheet, 4.4 mm |
| 801561 | Aspiration reducing foil sheet, 4.6 mm |
| 801562 | Aspiration reducing foil sheet, 5.0 mm |
| 801563 | Aspiration reducing foil sheet, 5.2 mm |
| 801564 | Aspiration reducing foil sheet, 5.6 mm |
| 801565 | Aspiration reducing foil sheet, 6.0 mm |
| 801566 | Aspiration reducing foil sheet, 6.8 mm |
| 801567 | Aspiration reducing foil sheet, 7.0 mm |



Alarm Devices

| | |
|----------------------|---------|
| Conventional | 298-300 |
| Conventional ENscape | 301-310 |
| IQAlarm Plus | 311-332 |
| Remote Indicators | 333-335 |

Audible Alarm Devices

DBS1224B4W-D

NEW

Detector Base Sounder EMA

Detector Base Sounder designed and approved to EN 54-3 for mounting under detector base with relay output or control by Alarm Transponder. Three selectable tones, as well as maximum volume in the switch base adjustable.

Size and mounting are compatible with IQ8Quad detector base.

Technical Data

| | |
|-------------------------------|---|
| Operating voltage | 10 ... 14 V DC 19.5 V DC ... 28 V DC |
| Current consumption @ 24 V DC | approx. 8 mA (DIN-Tone) |
| Ambient temperature | -30 °C ... 70 °C |
| Air humidity | < 10 % |
| Type of protection | IP 21C |
| Material | PC/ABS |
| Color | white, similar to RAL 9010 |
| Weight | approx. 200 g |
| Dimensions | Ø: 117 mm H: 35 mm |



766424

NEW

Sounder N120

Approval: VdS

Sounder acc. EN 54-3 with 64 selectable tones and three independently controllable alarm levels. The volume can be adjusted in 20 dB steps by potentiometer. The configuration takes place via a 6-way DIP switch.

Technical Data

| | |
|---------------------|---|
| Operating voltage | 10 ... 60 V DC |
| Alarm current | 120 mA ... 550 mA (0,5 A @ 24 V DC, DIN-Tone) |
| Ambient temperature | -25 °C ... 70 °C |

Features

- 119 dBA in 1 m with DIN sound
- 64 tones
- 20 dBA volume control
- 3 remotely switchable alarm levels
- Adjustable volume
- Wall and ceiling mounting
- High protection class
- Ideal for industrial applications

Explosion-Proof

045040

Ex signaling device DS10, 12 V DC



Features

- 9 tone sequences can be programmed:
- Continuous tone
- Alternating tone
- Intermittent tone
- Siren
- Fire alarm (different national regulations taken into account)

Approval: VdS (FDT), ATEX

The conventional signaling device is especially suitable for hazardous industrial areas zone 2 and 22). The robust aluminum die-cast housing is resistant to chemicals and environmental influences. The DS10 complies with the technical requirements of DIN 33404 - 3 "hazard signals for workplaces".

Technical Data

Common technical data:

| | |
|-------------------------------|-------------------------------|
| Operating voltage | 11 ... 14 V DC |
| Current consumption @ 12 V DC | approx. 300 mA |
| Ambient temperature | -25 °C ... 55 °C |
| Storage temperature | -40 °C ... 70 °C |
| Air humidity | < 90 % |
| Material | aluminum die cast |
| Color | red, similar to RAL 3000 |
| Weight | approx. 1.95 kg |
| Dimensions | W: 150 mm H: 150 mm D: 143 mm |



According to the conformity declaration, the alarm devices can be used in zones 2 and 22. See tone table on our download website.

766253

Ex sounder BEXS 10, 12 V DC



Features

- 32 tone sequences can be programmed:
- Quartz controlled sound synchronization
- ATEX approved
- LM6 aluminum die-cast housing
- Self-extinguishing aluminum cone, similar to UL 94 VO

KEMA 99 ATEX 7906 design certificate

The conventional ex sounder is especially suitable for application in hazardous areas at industrial workplaces category 2G or 3G (formerly zones 1 and 2) and complies with the technical requirements of DIN 33404 - 3. The robust aluminum die-cast housing is resistant to chemicals and environmental factors.

Technical Data

Common technical data:

| | |
|-------------------------------|--------------------------|
| Operating voltage | 12 V DC |
| Current consumption | typ. 195 mA; |
| Current consumption @ 12 V DC | approx. 195 mA |
| Ambient temperature | -50 °C ... 55 °C |
| Storage temperature | -50 °C ... 70 °C |
| Air humidity | < 90 % |
| Type of protection | IP67 |
| Material | aluminum die cast LM6 |
| Color | red, similar to RAL 3000 |
| Weight | approx. 3.16 kg |
| Dimensions | Ø: 181 mm L: 263 mm |



According to the conformity declaration, the alarm devices can be used in zones 1 and 2. See tone table on our download website.

582550

Ex beacon with 10 Joule

NEW



Conventional high performance flashing light for visual signaling wherever explosive gases, vapors and dusts can become dangerous.

The Ex-series acoustic signaling devices stand out with their particularly sturdy construction and insensitivity to environmental influences and chemicals.

The flashing light is ideal for almost all mounting requirements: side, ceiling and floor mounting.

Technical Data

| | |
|---------------------|------------------|
| Ambient temperature | -50 °C ... 70 °C |
| Storage temperature | -50 °C ... 70 °C |
| Air humidity | < 90 % |
| Type of protection | IP67 |
| Weight | approx. 5.2 kg |



Delivery time on request

582551

NEW**Ex beacon with 15 Joule**

Conventional high performance flashing light for visual signaling wherever explosive gases, vapors and dusts can become dangerous.

The Ex-series acoustic signaling devices stand out with their particularly sturdy construction and insensitivity to environmental influences and chemicals.

The flashing light is ideal for almost all mounting requirements: side, ceiling and floor mounting.

Technical Data

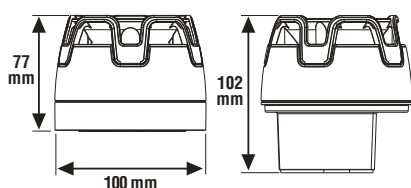
| | |
|---------------------|------------------|
| Ambient temperature | -50 °C ... 70 °C |
| Storage temperature | -50 °C ... 70 °C |
| Air humidity | < 90 % |
| Type of protection | IP67 |
| Weight | approx. 5.2 kg |



Delivery time on request

Sounder

CWSO-RR-S1

NEW

Features

- EN 54-3 compliant
- Suitable for 12 V and 24 V DC service voltage
- Synchronous sound trigger
- Volume adjustable to 2 levels at the device

Sounder, red

Approval: VdS

The acoustic alarm signaling device is EN 54-3 compliant, in red housing, and offers a selection of 32 signal tones including the DIN tone and other country-specific tones. All tones comply with EN 54-3. Configuration takes place via a 6-pin DIP switch. Up to two different signal tones may be activated. Signaling device with flat base, suitable for wall and ceiling mounting.

Technical Data

Common technical data:

| | |
|-------------------------------|---|
| Operating voltage | 9 ... 29 V DC |
| Current consumption @ 12 V DC | approx. 14.9 mA (@ DIN tone) |
| Current consumption @ 24 V DC | approx. 33.4 mA (@ DIN tone) |
| Sound level @ 12 V DC | 96.2 dB(A) (@ DIN tone) |
| Sound level @ 24 V DC | 102.1 dB(A) (@ DIN tone) |
| Ambient temperature | -25 °C ... 70 °C |
| Air humidity | < 96 % |
| Type of protection | IP 21C, IP 65 with CWR and accessories |
| Color | red, similar to RAL 3020 |
| Weight | approx. 190 g |
| Dimensions | Ø: 100 mm H: 77 mm Ø: 100 mm H: 102 mm (incl. IP base) |
| Declaration of Performance | 0832-CPR-F0254 |



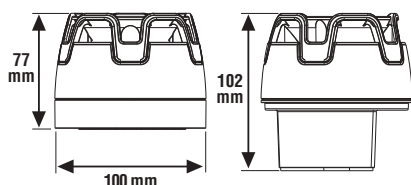
Not suitable for use outdoors or in damp areas. Please use therefore the optional bases and accessories (Part No. CWR, PS188, PS189). Use of the deep IP socket reduces the dB output by an average of 4 dB. Replacement for Part No. 766225.

To help define your conventional Visual Alarm Devices (VADs) requirements in line with the EN 54-23 standard, we have developed an easy to use online guide. Simply enter the room dimensions and ambient light conditions and the guide will help your device selection: <http://www.kac.co.uk/EN54-device-chooser.htm>

Accessories

CWR Base deep IP 65, red
PS188 Base deep, O-ring
PS189 Base deep, seal

CWSO-WW-S1

NEW

Features

- EN 54-3 compliant
- Suitable for 12 V and 24 V DC service voltage
- Synchronous sound trigger
- Volume adjustable to 2 levels at the device

Sounder, white

Approval: VdS

The acoustic alarm signaling device is EN 54-3 compliant, in white housing, and offers a selection of 32 signal tones including the DIN tone and other country-specific tones. All tones comply with EN 54-3. Configuration takes place via a 6-pin DIP switch. Up to two different signal tones may be activated. Signaling device with flat base, suitable for wall and ceiling mounting.

To help define your conventional Visual Alarm Devices (VADs) requirements in line with the EN 54-23 standard, we have developed an easy to use online guide. Simply enter the room dimensions and ambient light conditions and the guide will help your device selection:

<http://www.kac.co.uk/EN54-device-chooser.htm>

Technical Data

Common technical data:

| | |
|-------------------------------|---|
| Operating voltage | 9 ... 29 V DC |
| Current consumption @ 12 V DC | approx. 14.9 mA (@ DIN tone) |
| Current consumption @ 24 V DC | approx. 33.4 mA (@ DIN tone) |
| Sound level @ 12 V DC | 96.2 dB(A) (@ DIN tone) |
| Sound level @ 24 V DC | 102.1 dB(A) (@ DIN tone) |
| Ambient temperature | -25 °C ... 70 °C |
| Air humidity | < 96 % |
| Type of protection | IP 21C, IP65 with CWW and accessories |
| Color | white, similar to RAL 9003 |
| Weight | approx. 190 g |
| Dimensions | Ø: 100 mm H: 77 mm Ø: 100 mm H: 102 mm (incl. IP base) |
| Declaration of Performance | 0832-CPR-F0254 |



No appropriate for use outdoors or in humid environments. For this, please use the optional deep base and accessories (Art. No. CWW, PS188, PS189). Use of the deep IP base reduces the dB output by an average of 4 dB.

Accessories

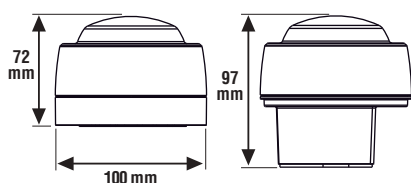
CWW base deep IP 65, white

PS188 base deep, O-Ring

PS189 base deep, seal

Visual Alarm Devices

CWST-RR-S5

NEW

Features

- EN 54-23 compliant
- C & W category
- Synchronous flash trigger
- Up to 6.2 m room width for wall mounting
- Up to 9.4 m room diameter for ceiling mounting

Optical alarm signaling device EN 54-23 cat. W+C, red flash

Approval: VdS

Optical signaling device compliant with EN 54-23 for wall and ceiling mounting with red lamp color and flat base. The signaling device is suitable for square signal ranges W-2.4-6.7 and cylindrical signal ranges C-3-9.4 / C-6-8.2.

To help define your conventional Visual Alarm Devices (VADs) requirements in line with the EN54-23 standard, we have developed an easy to use online guide. Simply enter the room dimensions and ambient light conditions and the guide will help your device selection:

<http://www.kac.co.uk/EN54-device-chooser.htm>

Technical Data

Common technical data:

| | |
|-------------------------------|--|
| Operating voltage | 12 ... 29 V DC |
| Current consumption @ 24 V DC | approx. 37 mA |
| Frequency of flash | 0.5 Hz |
| Flash color | red |
| Ambient temperature | -25 °C ... 70 °C |
| Air humidity | < 96 % |
| Type of protection | IP 21C, IP 65 with CWR and accessories |
| Material | PC/ABS, UL94-V0 |
| | PC, UL94-V0 (Lens) |
| Signal Range | W-2,4-6,7 |
| Mounting height wall | 2.4 m |
| Room width | 6.7 m |
| Color | base red, similar to RAL 3020 |
| | cap: transparent |
| Weight | approx. 164 g |
| Dimensions | Ø: 100 mm H: 72 mm |
| | Ø: 100 mm H: 97 mm (incl. IP base) |
| Declaration of Performance | 0832-CPR-F0258 |



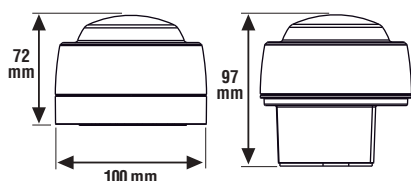
Not suitable for use outdoors or in damp areas. Please use therefore the optional bases and accessories (Part No. CWR, PS188, PS189).
Replacement for Part No. 766420, 766422, 766410.

Accessories

CWR Base deep IP 65, red
PS188 Base deep, O-Ring
PS189 Base deep, seal

CWST-WW-S5

NEW



Features

- EN 54-23 compliant
- C & W category
- Synchronous flash trigger
- Up to 9.0 m room width for wall mounting
- Up to 9.5 m room diameter for ceiling mounting

Optical alarm signaling device, EN 54-23 cat. W+C, white flash

Approval: VdS

Optical signaling device compliant with EN 54-23 for wall and ceiling mounting with white lamp color and flat base. The signaling device is suitable for square signal ranges W-2.4-9.0 and cylindrical signal ranges C-3-9.5 / C-6-9.5 / C-9-9.5.


To help define your conventional Visual Alarm Devices (VADs) requirements in line with the EN54-23 standard, we have developed an easy to use online guide. Simply enter the room dimensions and ambient light conditions and the guide will help your device selection:

<http://www.kac.co.uk/EN54-device-chooser.htm>

Technical Data

Common technical data:

| | |
|-------------------------------|--|
| Operating voltage | 12 ... 29 V DC |
| Current consumption @ 24 V DC | approx. 37 mA |
| Frequency of flash | 0.5 Hz |
| Flash color | white |
| Luminous intensity | max. 43 cd effective |
| Ambient temperature | -25 °C ... 70 °C |
| Air humidity | < 96 % |
| Type of protection | IP 21C, IP 65 with CWW and accessories PC, UL94-V0 (Lens) |
| Mounting height wall | 2.4 m |
| Room width | 9 m |
| Color | base: white, similar to RAL 9003 cap: transparent |
| Weight | approx. 164 g |
| Dimensions | Ø: 100 mm H: 72 mm Ø: 100 mm H: 97 mm (incl. IP base) |
| Declaration of Performance | 0832-CPR-F0257 |

 Not suitable for use outdoors or in damp areas. Please use therefore the optional bases and accessories (Part No. CWR, PS188, PS189).

Replacement for Part No. 766421, 766423, 766414.

Accessories

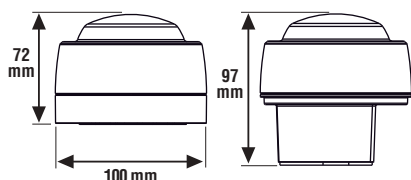
CWW Base deep IP 65, white

PS188 Base deep, O-Ring

PS189 Base deep, seal

CWST-WA-S7

NEW



Features

- Flat design
- Synchronous flash trigger
- Low alarm power

Optical alarm signaling device, yellow flash

Optical display device for wall and ceiling mounting with yellow signal flash and flat base. The device does not comply with EN 54-23.


To help define your conventional Visual Alarm Devices (VADs) requirements in line with the EN54-23 standard, we have developed an easy to use online guide. Simply enter the room dimensions and ambient light conditions and the guide will help your device selection:

<http://www.kac.co.uk/EN54-device-chooser.htm>

Technical Data

Common technical data:

| | |
|-------------------------------|--|
| Operating voltage | 12 ... 29 V DC |
| Current consumption @ 24 V DC | approx. 3 mA |
| Frequency of flash | 0.5 Hz |
| Flash color | yellow |
| Ambient temperature | -25 °C ... 70 °C |
| Air humidity | < 96 % |
| Type of protection | IP 21C, IP 65 with CWW and accessories PC, UL94-V0 (Lens) |
| Color | base: white, similar RAL 9003 cap: amber |
| Weight | approx. 164 g |
| Dimensions | Ø: 100 mm H: 72 mm Ø: 100 mm H: 97 mm (incl. IP base) |

 Not suitable for use outdoors or in damp areas. Please use therefore the optional bases and accessories (Part No. CWW, PS188, PS189).

Replacement for Part No. 766411.

Accessories

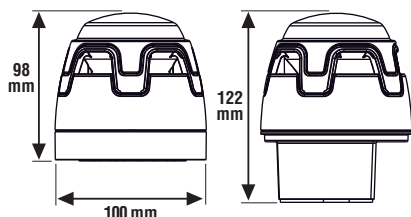
CWW Base deep IP 65, white

PS188 Base deep, O-Ring

PS189 Base deep, seal

Visual Alarm Devices with Sound

CWSS-RR-S5

NEW

Features

- EN 54-3 and 54-23 compliant
- Synchronous sound and flash trigger
- Volume adjustable to 2 levels at the device
- C & W category
- Signal range up to 6.0 m room width for wall mounting
- Signal range up to 8.9 m room diameter for ceiling mounting

Combination signaling device EN 54-23 cat. W+C, red flash

Approval: VdS

Combined acoustic and optical alarm signaling device is EN 54-3 & EN 54-23 compliant, in red housing, and offers a selection of 32 signal tones including the DIN tone and other country-specific tones. All tones comply with EN 54-3. Tone configuration takes place via a 6-pin DIP switch. Up to two different signal tones may be activated. The optical signaling device with red signal lamp is suitable in accordance with EN 54-23 for square signal ranges W-2.4-6.8 and cylindrical signal ranges C-3-8.9 / C-6-8.2. Signaling device with flat base, suitable for wall and ceiling mounting. To help define your conventional Visual Alarm Devices (VADs) requirements in line with the EN54-23 standard, we have developed an easy to use online guide. Simply enter the room dimensions and ambient light conditions and the guide will help your device selection:

<http://www.kac.co.uk/EN54-device-chooser.htm>

Technical Data

Common technical data:

| | |
|-------------------------------|--|
| Operating voltage | 12 ... 29 V DC |
| Current consumption @ 12 V DC | approx. 63.9 mA (@ DIN tone) |
| Current consumption @ 24 V DC | approx. 69.9 mA (@ DIN tone) |
| Sound level @ 12 V DC | 97 dB(A) (@ DIN tone) |
| Sound level @ 24 V DC | 102.7 dB(A) (@ DIN tone) |
| Frequency of flash | 0.5 Hz |
| Flash color | red |
| Connection terminal | 0.5 ... 2.5 mm ² |
| Ambient temperature | -25 °C ... 70 °C |
| Air humidity | < 96 % |
| Type of protection | IP 21C, IP 65 with CWW and accessories |
| Mounting height wall | 2.4 m |
| Room width | 6,8 m |
| Color | red, similar to RAL 3020 |
| Weight | cap: transparent |
| Dimensions | approx. 248 g |
| | Ø: 100 mm H: 98 mm |
| | Ø: 100 mm H: 122 mm (incl. IP base) |
| Declaration of Performance | 0832-CPR-F0262 |



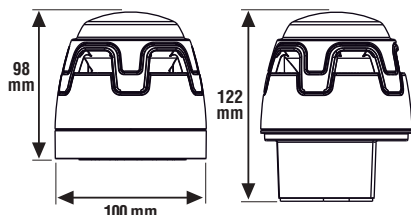
Not suitable for use outdoors or in damp areas. Please use therefore the optional bases and accessories (Part No. CWR, PS188, PS189). Use of the deep IP socket reduces the dB output by an average of 4 dB.
Replacement for Part No. 766430.

Accessories

CWR Base deep IP 65, red
PS188 Base deep, O-Ring
PS189 Base deep, seal

CWSS-WW-S5

Combination signaling device EN 54-23 cat. W+C, white flash

NEW

Features

- EN 54-3 and 54-23 compliant
- Synchronous sound and flash trigger
- Volume adjustable to 2 levels at the device
- C & W category
- Signal range up to 8.9 m room width for wall mounting
- Signal range up to 10.0 m room diameter for ceiling mounting

Approval: VdS

Combined acoustic and optical alarm signaling device is EN 54-3 & EN 54-23 compliant, in white housing, and offers a selection of 32 signal tones including the DIN tone and other country-specific tones. All tones comply with EN 54-3. Tone configuration takes place via a 6-pin DIP switch. Up to two different signal tones may be activated. The optical signaling device with white signal lamp is suitable in accordance with EN 54-23 for square signal ranges W-2.4-8.9 and cylindrical signal ranges C-3-10 / C-6-10. Signaling device with flat base, suitable for wall and ceiling mounting. To help define your conventional Visual Alarm Devices (VADs) requirements in line with the EN54-23 standard, we have developed an easy to use online guide. Simply enter the room dimensions and ambient light conditions and the guide will help your device selection: <http://www.kac.co.uk/EN54-device-chooser.htm>

Technical Data

Common technical data:

| | |
|-------------------------------|--|
| Operating voltage | 12 ... 29 V DC |
| Current consumption @ 12 V DC | approx. 63.9 mA (@ DIN tone) |
| Current consumption @ 24 V DC | approx. 69.9 mA (@ DIN tone) |
| Sound level @ 12 V DC | 97 dB(A) (@ DIN tone) |
| Sound level @ 24 V DC | 102.7 dB(A) (@ DIN tone) |
| Frequency of flash | 0.5 Hz |
| Flash color | white |
| Luminous intensity | max. 43 cd effective |
| Ambient temperature | -25 °C ... 70 °C |
| Air humidity | < 96 % |
| Type of protection | IP 21C, IP 65 with CWW and accessories |
| Mounting height wall | 2.4 m |
| Room width | 8.9 m |
| Color | white, similar RAL 9003 |
| Weight | cap: transparent |
| Dimensions | approx. 248 g |
| | Ø: 100 mm H: 98 mm |
| | Ø: 100 mm H: 122 mm (incl. IP base) |
| Declaration of Performance | 0832-CPR-F0261 |



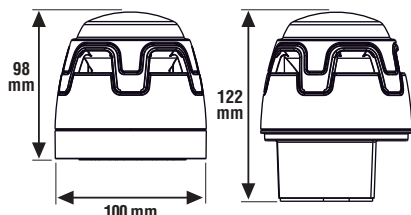
Not suitable for use outdoors or in damp areas. Please use therefore the optional bases and accessories (Part No. CWR, PS188, PS189). Use of the deep IP socket reduces the dB output by an average of 4 dB.
Replacement for Part No. 766431.

Accessories

CWW Base deep IP 65, white
PS188 Base deep, O-Ring
PS189 Base deep, seal

CWSS-RW-S5

Combination signaling device EN 54-23 cat. W+C, white flash

NEW**Features**

- EN 54-3 and 54-23 compliant
- Synchronous sound and flash trigger
- Volume adjustable to 2 levels at the device
- C & W category
- Signal range up to 8.9 m room width for wall mounting
- Signal range up to 10.0 m room diameter for ceiling mounting

Approval: VdS

Combined acoustic and optical alarm signaling device is EN 54-3 & EN 54-23 compliant, in red housing, and offers a selection of 32 signal tones including the DIN tone and other country-specific tones. All tones comply with EN 54-3. Tone configuration takes place via a 6-pin DIP switch. Up to two different signal tones may be activated. The optical signaling device with white signal lamp is suitable in accordance with EN 54-23 for square signal ranges W-2.4-6.0 and cylindrical signal ranges C-3-8.9 / C-6-8.2. Signaling device suitable for wall and ceiling mounting.

To help define your conventional Visual Alarm Devices (VADs) requirements in line with the EN54-23 standard, we have developed an easy to use online guide. Simply enter the room dimensions and ambient light conditions and the guide will help your device selection:

<http://www.kac.co.uk/EN54-device-chooser.htm>

Technical Data**Common technical data:**

| | |
|-------------------------------|--|
| Operating voltage | 12 ... 29 V DC |
| Current consumption @ 12 V DC | approx. 63.9 mA (@ DIN tone) |
| Current consumption @ 24 V DC | approx. 69.9 mA (@ DIN tone) |
| Sound level @ 12 V DC | 97 dB(A) (@ DIN tone) |
| Sound level @ 24 V DC | 102.7 dB(A) (@ DIN tone) |
| Frequency of flash | 0.5 Hz |
| Flash color | white |
| Ambient temperature | -25 °C ... 70 °C |
| Air humidity | < 96 % |
| Type of protection | IP 21C, IP 65 with CWR and accessories |
| Mounting height wall | 2.4 m |
| Room width | 8.9 m |
| Color | red, similar RAL 3020 |
| Weight | cap: transparent |
| Dimensions | approx. 248 g |
| | Ø: 100 mm H: 98 mm |
| | Ø: 100 mm H: 122 mm (incl. IP base) |
| Declaration of Performance | 0832-CPR-F0261 |



Not suitable for use outdoors or in damp areas. Please use therefore the optional bases and accessories (Part No. CWR, PS188, PS189). Use of the deep IP socket reduces the dB output by an average of 4 dB.

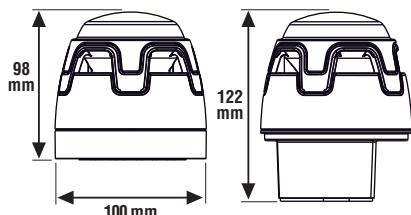
Accessories

CWR Base deep IP 65, red

PS188 Base deep, O-Ring

PS189 Base deep, seal

CWSS-RR-S3

NEW**Features**

- EN 54-3 compliant
- Cat. O under EN 54-23
- Synchronous sound and flash trigger
- Volume adjustable to 2 levels at the device
- Suitable for wall and ceiling mounting

Combination signaling device EN 54-3, red flash**Approval: VdS**

Combined acoustic alarm signaling device is EN 54-3 compliant with additional optical display, in red housing, and offers a selection of 32 signal tones including the DIN tone and other country-specific tones. All tones comply with EN 54-3. Tone configuration takes place via a 6-pin DIP switch. Up to two different signal tones may be activated. Signaling device with flat base, suitable for wall and ceiling mounting.

The integrated optical display with red signal flash is only authorized under EN 54-23 in open category O for 24–29 V DC operating voltage. Below 24 V DC, the device is classified as an acoustic signaling device with additional display. To help define your conventional Visual Alarm Devices (VADs) requirements in line with the EN54-23 standard, we have developed an easy to use online guide. Simply enter the room dimensions and ambient light conditions and the guide will help your device selection:

<http://www.kac.co.uk/EN54-device-chooser.htm>.

Technical Data**Common technical data:**

| | |
|-------------------------------|---|
| Operating voltage | 12 ... 29 V DC |
| Current consumption @ 12 V DC | approx. 15.5 mA (@ DIN tone) |
| Current consumption @ 24 V DC | approx. 35.4 mA (@ DIN tone) |
| Sound level @ 12 V DC | 96.5 dB(A) (@ DIN tone) |
| Sound level @ 24 V DC | 102.5 dB(A) (@ DIN tone) |
| Frequency of flash | 0.5 Hz |
| Flash color | red |
| Ambient temperature | -25 °C ... 70 °C |
| Air humidity | < 96 % |
| Type of protection | IP 21C, IP 65 with CWR and accessories |
| Material | PC/ABS, UL94-V0 |
| Color | red, similar RAL 3020 |
| | cap: transparent |
| Weight | approx. 236 g |
| Dimensions | Ø: 100 mm H: 98 mm Ø: 100 mm H: 122 mm (incl. IP base) |



Not suitable for use outdoors or in damp areas. Please use therefore the optional bases and accessories (Part No. CWR, PS188, PS189). Use of the deep IP socket reduces the dB output by an average of 4 dB.
Replacement for Part No. 766240.

Accessories

CWR Base deep IP 65, red

PS188 Base deep, O-Ring

PS189 Base deep, seal

Accessories

CWR

NEW

Base deep IP 65, red

Base, red, for ENScape signaling device with IP 65 protection rating and sm cable entry.

Technical Data

| | |
|--------------------|--------------------------|
| Type of protection | IP 65 (with accessories) |
| Color | red, similar to RAL 3020 |
| Weight | approx. 47 g |
| Dimensions | Ø: 100 mm H: 53 mm |



PS 188 O-Ring for deep base



5 pcs

Accessories

PS 189 Base deep, seal

SC076 Grounding bridge for deep base

CWW

NEW

Base deep IP 65, white

Base, red, for ENScape signaling device with IP 65 protection rating and sm cable entry.

Technical Data

| | |
|--------------------|----------------------------|
| Type of protection | IP 65 (with accessories) |
| Color | white, similar to RAL 9003 |
| Weight | approx. 47 g |
| Dimensions | Ø: 100 mm H: 53 mm |



PS 188 Base deep, O-Ring



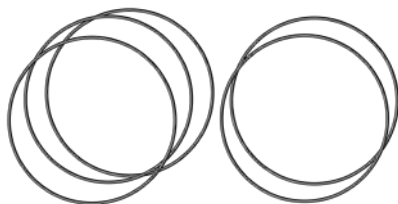
5 pcs

Accessories

PS 189 Base deep, seal

SC076 Grounding bridge for deep base

PS188

NEW

O-Ring for deep base

Replacement O-rings for use with deep CWR or CWW base.

Technical Data

| | |
|-------|-------|
| Color | black |
|-------|-------|



5 pcs

PS189

NEW

Seal for deep base

Seal for use with deep CWR or CWW base for IP 65 protection rating.

Technical Data

| | |
|----------|----------------------|
| Material | closed-cell neoprene |
| Color | black |

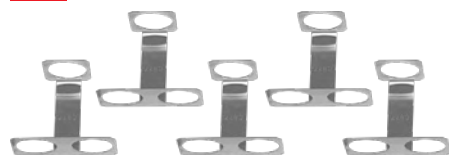


5 pcs

SC076

NEW**Ground jumper for deep base**

Grounding strap for use with deep CWR or CWW base.

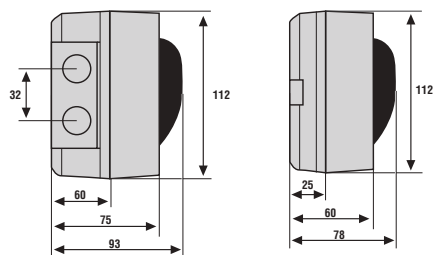
**Technical Data**

Material

Stainless steel



5 pcs



Features

- Completely loop powered alarm device
- Powered loop compatible
- Low power consumption
- Up to 64 alarm devices for each powered loop
- Each alarm device has built-in isolator
- Synchronous trigger

Optical alarm properties

- EN 54-23 compliant
- W category
- Signal range up to 8.0 m room width for wall mounting
- square signal range/ room size configurable via tools 8000

Acoustic alarm signaling

- EN 54-3 compliant
- High acoustic pressure
- Volume programmable in 8 steps via tools 8000
- 20 different signaling tones, including DIN tone
- Multilingual speech alarm in 5 different languages
- Alarm signaling, evacuation, and test alarm can each be programmed in different languages
- Speech alarm, 5 pre-programmed alarm texts and other country-typical alarm signals
- Tones can be used for other purposes in addition to warning of fire, making the device ideal for use in schools etc.
- Soft start option, ideal for hospitals and nursing homes
- Special variant with individual combination of up to 5 languages available
- Special variant with individual texts and/or sounds available

IQ8Alarm Plus enables IQ8Quad detector application with integrated alarm signaling and other advantages. No matter whether multilingual speech alarm, flexible signal combination or user-friendly programming interfaces, all these features are also available when using IQ8Alarm Plus. With various country-specific alarm tones (e.g. DIN tone or the Dutch slow-woop tone), and the completely loop powered optical alarm signaling acc EN 54-23 (VAD) as well as with 5 different voice messages in up to 5 languages, the IQ8Alarm Plus with its outstanding features is one of the safest and most economical ways to alert.

The device is directly installed at and connected to the esserbus-PLus (powered loop) system, making expensive external voltage supplies and connection modules dispensable.

Advantages with IQ8Alarm Plus at a glance:

- Simple programming enabled by a standardized programming interface for all IQ8 Systems (IQ8Quad + IQ8Alarm Plus) addressable alarm signaling devices
- Loop is powered without additional power supply
- Time-tested, unobtrusive design
- Signaling device (sounder) in compliance with EN 54-3 with 20 different signaling tones including DIN tone in compliance with DIN 33404-3
- Alarm device in compliance with EN 54-3 with 5 pre-programmed alarm messages in 5 different languages
- Visual Alarm Device (VAD) in compliance with EN 54-23, with configurable room sizes

On the following pages, you will find more detailed information about IQ8Alarm Plus features.

Alarm tone / speech message programming

For IQ8Alarm Plus with speech message and/or alarm tone function with up to five language options, up to 4 signals can be programmed. Two signals are reserved for alarm signaling and evacuation in the case of fire. Two further signals can be programmed for other events. Each signal can consist of up to four signal components, enabling one signal to be programmed as a DIN tone combined with subsequent speech messages in three different languages.

Alarm tones can be chosen from a table with various tone types.

For application in schools, a break signal to signify the breaks between class can be activated. When the basic setting is selected, signals / signal components can be continuously repeated until the signaling function is interrupted by the control panel. They can also be programmed with a repetition rate of one to three times. Thus, the break signal in schools can be deliberately set to only one repetition. In the same way, the total signal can be set to continuous repetition, with the DIN tone being played only once while subsequent speech messages are played up to three times.

Calculation of the maximum number of alarm devices on esserbus-PLus powered loop:

The maximum number of bus-enabled alarm devices on esserbus-PLus powered loop depends on the type of alarm device (and selected settings), load factor, loop length and cross section. For this purpose, the individual load factors of the individual alarm devices must be added.

The load factor defines the current consumption of the alarm device on the ring bus in the event of an alarm. The maximum permissible total load factor of a single loop is 96 (consider FACP information). Altogether up to 127 bus devices per loop can still be connected.

A calculation tool is available on our website to determine the load factor values.

Please note our examples and tables in the appendix.

All information required for programming IQ8Alarm Plus devices can be obtained when attending our programming training courses.




Please consider:






- Admissible maximum loop length
- Admissible maximum number of single alarm device types
- Maximum number of 127 bus devices for each loop

Systems requirements:



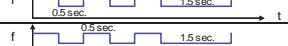
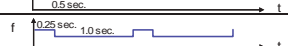
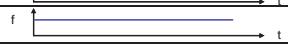









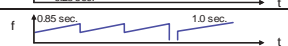
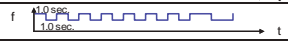



- FACP IQ8Control from version V3.04
- FACP FlexES Control
- FACP Compact
- esserbus-PLus/powered loop functionality
- Programming software tools 8000 from version V1.20
- To change the factory settings for EN 54-23 square signal ranges programming software tools 8000 from version V1.24 is required.

Attention - an operation with the FACP'S 8000 C/M is not possible!!!

| Old P/N EN 54-3 | New P/N EN 54-3 & 54-23 | Name / Function |  F Flash |  So Sound |  Sp Speech | Housing color | Flash color | Load Factor | | | max. number on one loop |
|--------------------|----------------------------|-----------------------------|---|--|---|------------------|----------------|-------------|-----------|-----------|----------------------------------|
| | | | | | | | | LF | LF | LF | |
| | | | | | | | | Flash | Sound | Total | |
| 807212 | --- | | | | | | | | | | |
| 807213 | 807214WW | IQ8Alarm Plus /F (launched) | x | | | white | white | 3,0-7,9 | -- | 3,0-7,9 | 32 |
| 807214 | 807214RR | IQ8Alarm Plus /F (launched) | x | | | red | red | 3,0-7,9 | -- | 3,0-7,9 | 32 |
| 807205 | 807205W | IQ8Alarm Plus /So | | x | | white | -- | -- | 1,5 / 3,0 | 1,5 / 3,0 | 64 |
| 807206 | 807205R | IQ8Alarm Plus /So | | x | | red | -- | -- | 1,5 / 3,0 | 1,5 / 3,0 | 64 |
| 807224 | 807224RR | IQ8Alarm Plus /FSO | x | x | | red | red | 3,0-7,9 | 1,5 / 3,0 | 4,5-10,9 | 21 |
| --- | 807224RW | IQ8Alarm Plus /FSO | x | x | | red | white | 3,0-7,9 | 1,5 / 3,0 | 4,5-10,9 | 21 |
| 807322 | 807322W | IQ8Alarm Plus /Sp | | x | x | white | -- | -- | 4 | 4 | 24 |
| 807322.SV98 | 807322W.SV98 | IQ8Alarm Plus /Sp | | x | x | white | -- | -- | 4 | 4 | 24 |
| 807322.SV99 | 807322W.SV99 | IQ8Alarm Plus /Sp | | x | x | white | -- | -- | 4 | 4 | 24 |
| 807332 | 807322R | IQ8Alarm Plus /Sp | | x | x | red | -- | -- | 4 | 4 | 24 |
| 807332.SV98 | 807322R.SV98 | IQ8Alarm Plus /Sp | | x | x | red | -- | -- | 4 | 4 | 24 |
| 807332.SV99 | 807322R.SV99 | IQ8Alarm Plus /Sp | | x | x | red | -- | -- | 4 | 4 | 24 |
| 807372 | 807372RR | IQ8Alarm Plus /FSp | x | x | x | red | red | 3,0-7,9 | 4 | 7,0-11,9 | 13 |
| 807372.SV98 | 807372RR.SV98 | IQ8Alarm Plus /FSp | x | x | x | red | red | 3,0-7,9 | 4 | 7,0-11,9 | 13 |
| 807372.SV99 | 807372RR.SV99 | IQ8Alarm Plus /FSp | x | x | x | red | red | 3,0-7,9 | 4 | 7,0-11,9 | 13 |
| --- | 807372RW | IQ8Alarm Plus /FSp | x | x | x | red | white | 3,0-7,9 | 4 | 7,0-11,9 | 13 |
| --- | 807372RW.SV98 | IQ8Alarm Plus /FSp | x | x | x | red | white | 3,0-7,9 | 4 | 7,0-11,9 | 13 |
| --- | 807372RW.SV99 | IQ8Alarm Plus /FSp | x | x | x | red | white | 3,0-7,9 | 4 | 7,0-11,9 | 13 |
| 807372.BR | 807372RR.BR | IQ8Alarm Plus /FSp | x | x | x | red | red | 3,0-7,9 | 4 | 7,0-11,9 | 13 |
| 807372.N0 | 807372RR.N0 | IQ8Alarm Plus /FSp | x | x | x | red | red | 3,0-7,9 | 4 | 7,0-11,9 | 13 |
| 807372.MAR | --- | | | | | | | | | | |
| 806201 | 806201 | IQ8Alarm IP base, white | | | | white | | | | | |
| 806202 | 806202 | IQ8Alarm IP base, red | | | | red | | | | | |

| Country code acc. to ISO 3166 -Alpha-2 | Language code acc. to ISO 639-1 | Evacuation 1 | Evacuation 2 | Alarm | Test-message | All-Clear |
|---|---------------------------------|--|---|--|--|---|
|  Germany (DE) | de | Dies ist ein Feueralarm. Bitte verlassen Sie das Gebäude umgehend über die nächsten Fluchtwege. Die Feuerwehr ist alarmiert. | Achtung, Achtung! Dies ist eine Gefahrmeldung. Bitte verlassen Sie das Gebäude über die nächsten Ausgänge. | Achtung, im Gebäude ist eine Gefahrensituation gemeldet worden. Bitte bleiben Sie ruhig, und warten Sie auf weitere Anweisungen. | Dies ist eine Testdurchsage. | Die Gefahrensituation ist jetzt behoben. Wir entschuldigen uns für jegliche Unannehmlichkeiten. |
|  Great Britain (GB) | en | This is a fire alarm. Please leave the building immediately by the nearest available exit. | Attention please. This is an emergency. Please leave the building by the nearest available exit. | An incident has been reported in the building. Please await further instructions. | This is a test message. No action is required. | The emergency is now cancelled. We apologize for any inconvenience. |
|  France (FR) | fr | Ceci est une alarme incendie, veuillez évacuer immédiatement les locaux par la sortie la plus proche. | Votre attention s'il vous plaît, ceci est une alarme. Veuillez évacuer les locaux par la sortie la plus proche. | Un incident est signalé dans le bâtiment. Merci de garder votre calme et attendez les prochaines instructions. | Ceci est un test. | L'alarme est à présent annulée. Veuillez nous excuser pour le désagrément. |
|  Spain (ES) | es | Esto es una alarma de incendio. Abandonen por favor el edificio inmediatamente por la salida de evacuación más cercana. | Atención. Esto es una emergencia. Por favor abandonen el edificio por la salida de evacuación más cercana. | Atención, se ha reportado un incidente en el edificio. Aguarden por favor otras instrucciones. | Esto es un mensaje de prueba. No se requiere ninguna acción. | La emergencia ha sido cancelada. Pedimos disculpas por las molestias causadas. |
|  Italy (IT) | it | Attenzione. Allarme incendio. Abbandonare l'edificio tramite l'uscita di emergenza più vicina. | Attenzione. Allarme in corso. Vi preghiamo di recarvi presso l'uscita di emergenza più vicina. | Attenzione. E' stato rilevato un allarme. Ulteriori disposizioni vi verranno comunicate appena possibile. | Attenzione. E' in corso una prova di allarme. Non è richiesta alcuna azione. | Attenzione. Cessato allarme. La situazione di normalità è stata ripristinata. |

Standard speech messages of IQ8Quad detectors and IQ8Alarm Plus - for other languages also refer to the appendix!

| No. | Description | Frequency | Pulse rate |
|-----|---------------------------------|---|--|
| 1 | School bell | complex | complex |
| 2 | FP 1063.1 Telecoms BS 5839 Pt1 | Alternating 800 / 970 Hz at 2 Hz |  |
| 3 | BS 5839 Pt1 | Alternating 800 / 970 Hz at 1 Hz |  |
| 4 | BS 5839 Pt1 | Intermittent 970 Hz at 1 Hz 0.5 sec. |  |
| 5 | BS 5839 Pt1 | Intermittent 2850 Hz at 1 Hz 0.5 sec. |  |
| 6 | BS 5839 Pt1 | Intermittent 970 Hz 1/4 sec. ON - 1 sec. OFF |  |
| 7 | BS 5839 Pt1 | Continuous 970 Hz |  |
| 8 | BS 5839 Pt1 | Sweep tone 800 Hz tp 970 Hz at 7 Hz |  |
| 9 | BS 5839 Pt1 | Sweep tone 800 Hz to 970 Hz at 1 Hz |  |
| 10 | DIN Tone DIN 33404 Part 3 | 1200 - 500 Hz at 1 Hz |  |
| 11 | French fire sound | 554 Hz / 100 ms + 440 Hz / 400 ms + 10 % |  |
| 12 | NL - Slow Whoop | 500 Hz - 1200 Hz at 3.5 sec. break of 0.5 sec. |  |
| 13 | US - Horn | Continuous 485 Hz |  |
| 14 | US - Horn with Temporal Pattern | Intermittent 485 Hz (0.5 sec. ON; 0.5 sec. OFF; 3 times; 1.5 sec. OFF; Repeat) |  |
| 15 | US - March Time | Alternating 485 Hz (0.25 sec. ON; 0.25 sec. OFF; Repeat) |  |
| 16 | US - Slow Whoop | Sweep tone 500 Hz to 1200 Hz (4.0 sec. ON; 0.5 sec. OFF; Repeat) |  |
| 17 | US - Siren | Sweep tone 600 Hz to 1200 Hz (1.0 sec. ON; Repeat) |  |
| 18 | US - Hi/Lo | Alternating 100 Hz / 800 Hz (0.25 sec. ON; Alternate; 0.25 sec. ON; Alternate; Repeat) |  |
| 19 | US - NFPA Whoop | Sweep tone 422 Hz to 775 Hz (upwards sweep 0.85 sec.; 3 times; 1 sec. OFF; Repeat) |  |
| 20 | IMO GA-Signal | Intermittent 800 Hz (1.0 sec. ON; 1.0 sec. OFF; 7 times; 2.0 sec. ON; 2.0 sec. OFF; Repeat) |  |

IQ8Quad detectors and IQ8Alarm Plus tone table

IQ8Alarm Plus Sounder

807205R

NEW

Features

- Completely bus supplied alarm device
- Powered loop compatible
- Low power consumption
- Up to 64 alarm devices for each powered loop
- Each alarm device has built-in isolator
- Synchronous trigger
- **Acoustic alarm properties:**
- EN 54-3 compliant
- High acoustic pressure
- Volume programmable in 8 steps via tools 8000
- 20 different signaling tones, including DIN tone

IQ8Alarm Plus/So sounder, red

Approval: VdS

Addressable, completely bus supplied and short circuit / open circuit resilient fire alarm sounder in compliance with EN 54-3 with integrated signaling tones for acoustic alarm signaling. With up to 20 different programmable signaling tones including DIN tone in accordance with DIN 33404 Part 3.

The volume can be set to 8 different levels. The load factor can be set to 2 different levels.

Signaling device with flat base, suitable for wall and ceiling mounting.

Optionally, IP base Part No. 806202 with side cable entry and weatherproof protection can be installed.

Technical Data

Optic

Acoustic

Load factor acoustic

1,5^{*1} / 3

Sound level

91^{*1} / 97 dB (A) +/- 2 dB @ 1 m / @ 90° angle / @ DIN Tone
EN 54-3 Sounder

Common technical data:

Operating voltage

14 ... 42 V DC (via powered loop)

Quiescent current @ 19 V DC

55 µA

Quiescent current @ FACP battery

approx. 300 µA @ 42 V

Ambient temperature

-10 °C ... 55 °C

Storage temperature

-25 °C ... 75 °C

Air humidity

< 95 % (non-condensing)

Housing

IP 56 with IP base 806202^{*3}

Color

Polycarbonate plastic

Weight

red, similar to RAL 3020

Dimensions

approx. 300 g (with base)

Ø: 112 mm D: 78 mm

Ø: 112 mm D: 93 mm (with IP base)

Declaration of Performance

DoP-21430171215



When using the flat IP base the db output reduces by an average of 3 dB.

^{*1} Factory setting, configuration with service- and programming software tools 8000

^{*2} IP 21C acc. EN 54-3 / -23

^{*3} Do not use the base for acoustic alarm applications in compliance with EN 54-3
Replacement for Part No. 807206

Accessories

806202

IP base, red

807205W

NEW**Features**

- Completely bus supplied alarm device
- Powered loop compatible
- Low power consumption
- Up to 64 alarm devices for each powered loop
- Each alarm device has built-in isolator
- Synchronous trigger

Acoustic alarm properties:

- EN 54-3 compliant
- High acoustic pressure
- Volume programmable in 8 steps via tools 8000
- 20 different signaling tones, including DIN tone

IQ8Alarm Plus/So sounder, white**Approval: VdS**

Addressable, completely bus supplied and short circuit / open circuit resilient fire alarm sounder in compliance with EN 54-3 with integrated signaling tones for acoustic alarm signaling. With up to 20 different programmable signaling tones including DIN tone in accordance with DIN 33404 Part 3.

The volume can be set to 8 different levels. The load factor can be set to 2 different levels.

Signaling device with flat base, suitable for wall and ceiling mounting.

Optionally, IP base Part No. 806201 with side cable entry and weatherproof protection can be installed.

Technical Data**Optic****Acoustic**

Sound level

91 ¹ / 97 dB (A) +/- 2 dB @ 1 m / @ 90° angle / @ DIN Tone
EN 54-3 Sounder

Common technical data:

Operating voltage

14 ... 42 V DC (via powered loop)

Quiescent current @ 19 V DC

55 µA

Quiescent current @ FACP battery

approx. 300 µA @ 42 V

Ambient temperature

-10 °C ... 55 °C

Storage temperature

-25 °C ... 75 °C

Air humidity

< 95 % (non-condensing)

Housing

IP 56 with IP base 806201 ³

Color

Polycarbonate plastic
white, similar to RAL 9010

Weight

approx. 300 g (with base)

Dimensions

Ø: 112 mm D: 78 mm

Ø: 112 mm D: 93 mm (with IP base)

Declaration of Performance

DoP-21430171215



When using the flat IP base the db output reduces by an average of 3 dB.

¹ Factory setting, configuration with service- and programming software tools 8000

² IP 21C acc. EN 54-3 / -23

³ Do not use the base for acoustic alarm applications in compliance with EN 54-3
Replacement for Part No. 807205

Accessories

806201

IP base, white

IQ8Alarm Plus Sounder with Speech

807322R

NEW

Features

- Completely bus supplied alarm device
- Powered loop compatible
- Low power consumption
- Up to 24 alarm devices for each powered loop
- Each alarm device has built-in isolator
- Synchronous trigger

Acoustic alarm properties:

- EN 54-3 compliant
- High acoustic pressure
- Volume programmable in 8 steps via tools 8000
- 20 different signaling tones, including DIN tone
- Multilingual speech alarm in 5 different languages
- Alarm signaling, evacuation, and test alarm can each be programmed in different languages
- Speech alarm, 5 pre-programmed alarm texts and other country-typical alarm signals

IQ8Alarm plus/SpSo sounder with speech, red

Approval: VdS

Addressable, completely bus supplied and short circuit / open circuit resilient voice sounder in compliance with EN 54-3 with integrated voice messages and signaling tones for acoustic alarm signaling.

With up to 20 different programmable signaling tones including DIN tone in accordance with DIN 33404 Part 3.

Speech alarm with 5 pre-programmed alarm messages in 5 different languages.

The volume can be set to 8 different levels.

Selection or combination of speech messages and signaling tones as well the volume control are carried out via the tools 8000 programming software.

Signaling device with flat base, suitable for wall and ceiling mounting.

Optionally, IP base Part No. 806202 with side cable entry and weatherproof protection can be installed.

Technical Data

Optic

Acoustic

Sound level

90 db(A) +/- 2 dB @ 1 m / @ 90° / @ DIN tone, for speech & tone
97 db(A) +/- 2 dB @ 1 m / @ 90° / @ DIN tone, only tone
EN 54-3 Sounder
EN 54-3 Voice Sounder

Common technical data:

| | |
|----------------------------------|--|
| Operating voltage | 14 ... 42 V DC (via powered loop) |
| Quiescent current @ 19 V DC | 55 µA |
| Quiescent current @ FACP battery | approx. 300 µA @ 42 V |
| Ambient temperature | -10 °C ... 55 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % (non-condensing) |
| Housing | IP 56 with IP base 806202 ³ |
| Color | Polycarbonate plastic |
| Weight | red, similar to RAL 3020 |
| Dimensions | approx. 300 g (with base) |
| | Ø: 112 mm D: 78 mm |
| | Ø: 113 mm D: 93 mm (with IP base) |
| Declaration of Performance | DoP-21430171215 |



When using the flat IP base the db output reduces by an average of 3 dB.

² IP 21C acc. EN 54-3 / -23

³ Do not use the base for acoustic alarm applications in compliance with EN 54-3
Replacement for Part No. 807332

Accessories

806202

IP base, red

807322R.SV98

IQ8Alarm Plus/SpSo sounder with speech, red, composed version

NEW**Features**

- Completely bus supplied alarm device
- Powered loop compatible
- Low power consumption
- Up to 24 alarm devices for each powered loop
- Each alarm device has built-in isolator
- Synchronous trigger

Acoustic alarm properties:

- EN 54-3 compliant
- High acoustic pressure
- Volume programmable in 8 steps via tools 8000
- 20 different signaling tones, including DIN tone
- Multilingual speech alarm in 5 different languages
- Alarm signaling, evacuation, and test alarm can each be programmed in different languages
- Speech alarm, 5 pre-programmed alarm texts and other country-typical alarm signals

Approval: VdS

Same as 807322R, but with an individual combination of up to 5 languages, see special order form in the appendix.

Addressable, completely bus supplied and short circuit / open circuit resilient voice sounder in compliance with EN 54-3 with integrated voice messages and signaling tones for acoustic alarm signaling.

With up to 20 different programmable signaling tones including DIN tone in accordance with DIN 33404 Part 3.

Speech alarm with 5 pre-programmed alarm messages in 5 different languages.

The volume can be set to 8 different levels.

Selection or combination of speech messages and signaling tones as well the volume control are carried out via the tools 8000 programming software.

Signaling device with flat base, suitable for wall and ceiling mounting.

Optionally, IP base Part No. 806202 with side cable entry and weatherproof protection can be installed.

Technical Data**Optic****Acoustic****Sound level**

90 db(A) +/- 2 dB @ 1 m / @ 90° / @ DIN tone, for speech & tone
97 db(A) +/- 2 dB @ 1 m / @ 90° / @ DIN tone, only tone
EN 54-3 Sounder
EN 54-3 Voice Sounder

Common technical data:

Operating voltage 14 ... 42 V DC (via powered loop)
Quiescent current @ 19 V DC 55 µA
Quiescent current @ FACP battery approx. 300 µA @ 42 V
Ambient temperature -10 °C ... 55 °C
Storage temperature -25 °C ... 75 °C
Air humidity < 95 % (non-condensing)
IP 56 with IP base 806202 ^{*3}
Housing Polycarbonate plastic
Color red, similar to RAL 3020
Weight approx. 300 g (with base)
Dimensions Ø: 112 mm D: 78 mm
Ø: 112 mm D: 93 mm (with IP base)
Declaration of Performance DoP-21430171215



When using the flat IP base the db output reduces by an average of 3 dB
*2 IP 21C acc. EN 54-3 / -23

*3 Do not use the base for acoustic alarm applications in compliance with EN 54-3
Replacement for Part No. 807332.SV98

When ordering, please note the "Order Information for Alarm Signaling Devices IQ8Quad and IQ8Alarm Plus" and fill in the order form "Order Form for IQ8 Composed Languages (xy. SV98)" printed in the appendix.

Cancellations or returns are not possible.



Programmed with an individual selection of up to 5 national languages.

Accessories

806202

IP base, red

807322R.SV99

IQ8Alarm Plus/SpSo sounder with speech, red, customized version

NEW**Features**

- Completely bus supplied alarm device
- Powered loop compatible
- Low power consumption
- Up to 24 alarm devices for each powered loop
- Each alarm device has built-in isolator
- Synchronous trigger

Acoustic alarm properties:

- EN 54-3 compliant
- High acoustic pressure
- Volume programmable in 8 steps via tools 8000
- 20 different signaling tones, including DIN tone
- Multilingual speech alarm in 5 different languages
- Alarm signaling, evacuation, and test alarm can each be programmed in different languages
- Speech alarm, 5 pre-programmed alarm texts and other country-typical alarm signals

Approval: VdS

Same as 807322R, but with individual text and/or sounds. The maximum recording time per device is 169 seconds.

Addressable, completely bus supplied and short circuit / open circuit resilient voice sounder in compliance with EN 54-3 with integrated voice messages and signaling tones for acoustic alarm signaling.

With up to 20 different programmable signaling tones including DIN tone in accordance with DIN 33404 Part 3.

Speech alarm with 5 pre-programmed alarm messages in 5 different languages.

The volume can be set to 8 different levels.

Selection or combination of speech messages and signaling tones as well the volume control are carried out via the tools 8000 programming software.

Signaling device with flat base, suitable for wall and ceiling mounting.

Optionally, IP base Part No. 806202 with side cable entry and weatherproof protection can be installed.

Technical Data**Optic****Acoustic****Sound level**

90 db(A) +/- 2 dB @ 1 m / @ 90° / @ DIN tone, for speech & tone
97 db(A) +/- 2 dB @ 1 m / @ 90° / @ DIN tone, only tone
EN 54-3 Sounder
EN 54-3 Voice Sounder

Common technical data:

| | |
|----------------------------------|---|
| Operating voltage | 14 ... 42 V DC (via powered loop) |
| Quiescent current @ 19 V DC | 55 µA |
| Quiescent current @ FACP battery | approx. 300 µA @ 42 V |
| Ambient temperature | -10 °C ... 55 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % (non-condensing) |
| Housing | IP 56 with IP base 806202 ^{*3} |
| Color | Polycarbonate plastic |
| Weight | red, similar to RAL 3020 |
| Dimensions | approx. 300 g (with base) |
| | Ø: 112 mm D: 78 mm |
| | Ø: 112 mm D: 93 mm (with IP base) |
| Declaration of Performance | DoP-21430171215 |



When using the flat IP base the db output reduces by an average of 3 dB

^{*2} IP 21C acc. EN 54-3 / -23

^{*3} Do not use the base for acoustic alarm applications in compliance with EN 54-3

Replacement for Part No. 807332.SV99

When ordering, please note the "Order Information for Alarm Signaling Devices IQ8Quad and IQ8Alarm Plus" and fill in the order form "Order Form for IQ8 Customized Languages (xy.

SV99)" printed in the appendix. Service and costs for recording studio upon request.

Cancellations or returns are not possible.



Programmed according to customer specifications.

Accessories

806202

IP base, red

807322W

NEW

Features

- Completely bus supplied alarm device
- Powered loop compatible
- Low power consumption
- Up to 24 alarm devices for each powered loop
- Each alarm device has built-in isolator
- Synchronous trigger

Acoustic alarm properties:

- EN 54-3 compliant
- High acoustic pressure
- Volume programmable in 8 steps via tools 8000
- 20 different signaling tones, including DIN tone
- Multilingual speech alarm in 5 different languages
- Alarm signaling, evacuation, and test alarm can each be programmed in different languages
- Speech alarm, 5 pre-programmed alarm texts and other country-typical alarm signals

IQ8Alarm Plus/SpSo sounder with speech, white

Approval: VdS

Addressable, completely bus supplied and short circuit / open circuit resilient voice sounder in compliance with EN 54-3 with integrated voice messages and signaling tones for acoustic alarm signaling.

With up to 20 different programmable signaling tones including DIN tone in accordance with DIN 33404 Part 3.

Speech alarm with 5 pre-programmed alarm messages in 5 different languages.

The volume can be set to 8 different levels.

Selection or combination of speech messages and signaling tones as well the volume control are carried out via the tools 8000 programming software.

Signaling device with flat base, suitable for wall and ceiling mounting.

Optionally, IP base Part No. 806201 with side cable entry and weatherproof protection can be installed.

Technical Data

Optic

Acoustic

Sound level

90 db(A) +/- 2 dB @ 1 m / @ 90° / @ DIN tone, for speech & tone
97 db(A) +/- 2 dB @ 1 m / @ 90° / @ DIN tone, only tone
EN 54-3 Sounder
EN 54-3 Voice Sounder

Common technical data:

| | |
|----------------------------------|---|
| Operating voltage | 14 ... 42 V DC (via powered loop) |
| Quiescent current @ 19 V DC | 55 µA |
| Quiescent current @ FACP battery | approx. 300 µA @ 42 V |
| Ambient temperature | -10 °C ... 55 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % (non-condensing) |
| Housing | IP 56 with IP base 806201 ^{*3} |
| Color | Polycarbonate plastic |
| Weight | white, similar to RAL 9010 |
| Dimensions | approx. 300 g (with base) |
| | Ø: 112 mm D: 78 mm |
| | Ø: 112 mm D: 93 mm (with IP base) |
| Declaration of Performance | DoP-21430171215 |



When using the flat IP base the db output reduces by an average of 3 dB.

^{*2} IP 21C acc. EN 54-3 / -23

^{*3} Do not use the base for acoustic alarm applications in compliance with EN 54-3
Replacement for Part No. 807332

Accessories

806201

IP base, white

807322W.SV98

IQ8Alarm Plus/SpSo sounder with speech, white, composed version

NEW**Features**

- Completely bus supplied alarm device
- Powered loop compatible
- Low power consumption
- Up to 24 alarm devices for each powered loop
- Each alarm device has built-in isolator
- Synchronous trigger

Acoustic alarm properties:

- EN 54-3 compliant
- High acoustic pressure
- Volume programmable in 8 steps via tools 8000
- 20 different signaling tones, including DIN tone
- Multilingual speech alarm in 5 different languages
- Alarm signaling, evacuation, and test alarm can each be programmed in different languages
- Speech alarm, 5 pre-programmed alarm texts and other country-typical alarm signals

Approval: VdS

Same as 807322W, but with an individual combination of up to 5 languages, see special order form in the appendix.

Addressable, completely bus supplied and short circuit / open circuit resilient voice sounder in compliance with EN 54-3 with integrated voice messages and signaling tones for acoustic alarm signaling.

With up to 20 different programmable signaling tones including DIN tone in accordance with DIN 33404 Part 3.

Speech alarm with 5 pre-programmed alarm messages in 5 different languages.

The volume can be set to 8 different levels.

Selection or combination of speech messages and signaling tones as well the volume control are carried out via the tools 8000 programming software.

Signaling device with flat base, suitable for wall and ceiling mounting.

Optionally, IP base Part No. 806201 with side cable entry and weatherproof protection can be installed.

Technical Data**Optic****Acoustic****Sound level**

90 db(A) +/- 2 dB @ 1 m / @ 90° / @ DIN tone, for speech & tone
97 db(A) +/- 2 dB @ 1 m / @ 90° / @ DIN tone, only tone
EN 54-3 Sounder
EN 54-3 Voice Sounder

Common technical data:

Operating voltage 14 ... 42 V DC (via powered loop)
Quiescent current @ 19 V DC 55 µA
Quiescent current @ FACP battery approx. 300 µA @ 42 V
Ambient temperature -10 °C ... 55 °C
Storage temperature -25 °C ... 75 °C
Air humidity < 95 % (non-condensing)
IP 56 with IP base 806201 *3
Housing Polycarbonate plastic
Color white, similar to RAL 9010
Weight approx. 300 g (with base)
Dimensions Ø: 112 mm D: 78 mm
Ø: 112 mm D: 93 mm (with IP base)
Declaration of Performance DoP-21430171215



When using the flat IP base the db output reduces by an average of 3 dB
*2 IP 21C acc. EN 54-3 / -23

*3 Do not use the base for acoustic alarm applications in compliance with EN 54-3
Replacement for Part No. 807322.SV98

When ordering, please note the "Order Information for Alarm Signaling Devices IQ8Quad and IQ8Alarm Plus" and fill in the order form "Order Form for IQ8 Composed Languages (xy. SV98)" printed in the appendix.

Cancellations or returns are not possible.



Programmed with an individual selection of up to 5 national languages.

Accessories

806201

IP base, white

807322W.SV99

IQ8Alarm Plus/SpSo sounder with speech, white, customized version

NEW**Features**

- Completely bus supplied alarm device
- Powered loop compatible
- Low power consumption
- Up to 24 alarm devices for each powered loop
- Each alarm device has built-in isolator
- Synchronous trigger

Acoustic alarm properties:

- EN 54-3 compliant
- High acoustic pressure
- Volume programmable in 8 steps via tools 8000
- 20 different signaling tones, including DIN tone
- Multilingual speech alarm in 5 different languages
- Alarm signaling, evacuation, and test alarm can each be programmed in different languages
- Speech alarm, 5 pre-programmed alarm texts and other country-typical alarm signals

Approval: VdS

Same as 807322W, but with individual text and/or sounds. The maximum recording time per device is 169 seconds.

Addressable, completely bus supplied and short circuit / open circuit resilient voice sounder in compliance with EN 54-3 with integrated voice messages and signaling tones for acoustic alarm signaling.

With up to 20 different programmable signaling tones including DIN tone in accordance with DIN 33404 Part 3.

Speech alarm with 5 pre-programmed alarm messages in 5 different languages.

The volume can be set to 8 different levels.

Selection or combination of speech messages and signaling tones as well the volume control are carried out via the tools 8000 programming software

Signaling device with flat base, suitable for wall and ceiling mounting.

Optionally, IP base Part No. 806201 with side cable entry and weatherproof protection can be installed.

Technical Data**Optic****Acoustic****Sound level**

90 db(A) +/- 2 dB @ 1 m / @ 90° / @ DIN tone, for speech & tone
97 db(A) +/- 2 dB @ 1 m / @ 90° / @ DIN tone, only tone
EN 54-3 Sounder
EN 54-3 Voice Sounder

Common technical data:

Operating voltage 14 ... 42 V DC (via powered loop)
Quiescent current @ 19 V DC 55 µA
Quiescent current @ FACP battery approx. 300 µA @ 42 V
Ambient temperature -10 °C ... 55 °C
Storage temperature -25 °C ... 75 °C
Air humidity < 95 % (non-condensing)
IP 56 with IP base 806201 ^{*3}
Housing Polycarbonate plastic
Color white, similar to RAL 9010
Weight approx. 300 g (with base)
Dimensions Ø: 112 mm D: 78 mm
Ø: 112 mm D: 93 mm (with IP base)
Declaration of Performance DoP-21430171215



When using the flat IP base the db output reduces by an average of 3 dB
^{*2} IP 21C acc. EN 54-3 / -23

^{*3} Do not use the base for acoustic alarm applications in compliance with EN 54-3
Replacement for Part No. 807322.SV99.

When ordering, please note the "Order Information for Alarm Signaling Devices IQ8Quad and IQ8Alarm Plus" and fill in the order form "Order Form for IQ8 Customized Languages (xy. SV99)" printed in the appendix. Service and costs for recording studio upon request.
Cancellations or returns are not possible.



Programmed according to customer specifications.

Accessories

806201

IP base, white

IQ8Alarm Plus Visual Alarm Devices (VAD)

807214RR

NEW

Features

- Completely bus supplied alarm device
 - Powered loop compatible
 - Low power consumption
 - Up to 32 alarm devices for each powered loop
 - Each alarm device has built-in isolator
 - Synchronous trigger
- Optical alarm properties:**
- EN 54-23 compliant
 - W category
 - Signal range up to 8.0 m room width for wall mounting
 - Room size configurable via tools 8000

IQ8Alarm Plus/F visual alarm device, red/red

Approval: VdS

Addressable, completely bus supplied and short circuit / open circuit resilient Visual Alarm Device (VAD) compliant with EN 54-23, with red light flash, for optical alarm signaling. The optical signaling device is suitable for square signal ranges W-2.4-5.0 to W-3.6-8. The optical signal range is adjustable in 6 sizes via tools 8000. Signaling device with flat base, suitable for wall mounting. Optionally, IP base Part No. 806202 with side cable entry and weatherproof protection can be installed.

Technical Data

| | |
|----------------------------------|---|
| Optic | |
| Frequency of flash | 0.5 Hz ^{*1} / 1 Hz |
| Flash color | red |
| Luminous intensity | approx. 6,6 cd eff. ^{*1} / max. 17 cd eff. @ W-3,6-8 |
| Signal Range | W-2,4-5 / 60 m³ ^{*1} ... W-3,6-8 / 230 m³ |
| Mounting | Wall |
| Acoustic | |
| Common technical data: | |
| Operating voltage | 14 ... 42 V DC (via powered loop) |
| Quiescent current @ 19 V DC | 55 µA |
| Quiescent current @ FACP battery | approx. 300 µA @ 42 V |
| Ambient temperature | -20 °C ... 70 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % (non-condensing) |
| | IP 56 with IP base 806202 ^{*3} |
| Housing | Polycarbonate plastic |
| Color | red, similar to RAL 3020 |
| | Calotte: translucent / partially frosted |
| Weight | approx. 300 g (with base) |
| Dimensions | Ø: 112 mm H: 78 mm |
| | Ø: 112 mm H: 93 mm (with IP base) |
| Declaration of Performance | DoP-21429150413 |



^{*1} Factory setting, configuration with service- and programming software tools 8000.

^{*2} IP 21C acc. EN 54-3 / -23

^{*3} Do not use the base for acoustic alarm applications in compliance with EN 54-3 Replacement for Part No. 807214.

- To change the factory settings for EN 54-23 square signal ranges programming software tools 8000 from version V1.24 is required.
- An easy to use online guide will help you to identify the right selection of EN 54-23 products for your project. Simply enter the room dimensions and get the overview for number of devices needed, their settings and calculations of load factor. To find on www.esser-systems.com.

Accessories

806202

IP base, red

807214WW

NEW

Features

- Completely bus supplied alarm device
- Powered loop compatible
- Low power consumption
- Up to 32 alarm devices for each powered loop
- Each alarm device has built-in isolator
- Synchronous trigger
- Optical alarm properties:**
 - EN 54-23 compliant
 - W category
 - Signal range up to 8.0 m room width for wall mounting
 - Room size configurable via tools 8000

IQ8Alarm Plus/F visual alarm device, white/white

Approval: VdS

Addressable, completely bus supplied and short circuit / open circuit resilient Visual Alarm Device (VAD) compliant with EN 54-23, with white light flash, for optical alarm signaling. The optical signaling device is suitable for square signal ranges W-2.4-5.0 to W-3.6-8. The optical signal range is adjustable in 6 sizes via tools 8000. Signaling device with flat base, suitable for wall mounting. Optionally, IP base Part No. 806201 with side cable entry and weatherproof protection can be installed.

Technical Data

| | |
|----------------------------------|--|
| Optic | |
| Frequency of flash | 0.5 Hz ^{*1} / 1 Hz |
| Flash color | white |
| Luminous intensity | approx. 6,6 cd eff. ^{*1} / max. 17 cd eff. @ W-3,6-8 |
| Signal Range | W-2,4-5 / 60 m ³ ^{*1} ... W-3,6-8 / 230 m ³ |
| Mounting | Wall |
| Acoustic | |
| Common technical data: | |
| Operating voltage | 14 ... 42 V DC (via powered loop) |
| Quiescent current @ 19 V DC | 55 µA |
| Quiescent current @ FACP battery | approx. 300 µA @ 42 V |
| Ambient temperature | -20 °C ... 70 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % (non-condensing) |
| | IP 56 with IP base 806201 ^{*3} |
| Housing | Polycarbonate plastic |
| Color | white, similar to RAL 9010 |
| | Calotte: translucent / partially frosted |
| Weight | approx. 300 g (with base) |
| Dimensions | Ø: 112 mm H: 75 mm |
| | Ø: 112 mm H: 93 mm (with IP base) |
| Declaration of Performance | DoP-21429150413 |



^{*1} Factory setting, configuration with service- and programming software tools 8000.

^{*2} IP 21C acc. EN 54-3 / -23

^{*3} Do not use the base for acoustic alarm applications in compliance with EN 54-3

Replacement for Part No. 807214.

- To change the factory settings for EN 54-23 square signal ranges programming software tools 8000 from version V1.24 is required.

- An easy to use online guide will help you to identify the right selection of EN 54-23 products for your project. Simply enter the room dimensions and get the overview for number of devices needed, their settings and calculations of load factor. To find on www.esser-systems.com.

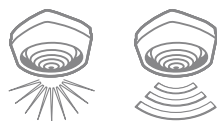
Accessories

806201

IP base, white

IQ8Alarm Plus VAD with Sound

807224RR

NEW**Features**

- Completely bus supplied alarm device
- Powered loop compatible
- Low power consumption
- Up to 21 alarm devices for each powered loop
- Each alarm device has built-in isolator
- Synchronous trigger

Optical alarm properties:

- EN 54-23 compliant
- W category
- Signal range up to 8.0 m room width for wall mounting
- Room size configurable via tools 8000

Acoustic alarm properties:

- EN 54-3 compliant
- High acoustic pressure
- Volume programmable in 8 steps via tools 8000
- 20 different signaling tones, including DIN tone

IQ8Alarm Plus/FSo visual alarm device with sound, red/red**Approval: VdS**

Addressable, completely bus supplied and short circuit / open circuit resilient combined fire alarm sounder and Visual Alarm Device (VAD) in compliance with EN 54-3 & EN 54-23 with integrated signaling tones and red light flash for acoustic and optical alarm signaling.

With up to 20 different programmable signaling tones including DIN tone in accordance with DIN 33404 Part 3.

The volume can be set to 8 different levels.

The optical signaling device is suitable for square signal ranges W-2.4-5 to W-3.6-8.

The optical signal range is adjustable in 6 sizes via tools 8000.

Signaling device with flat base, suitable for wall mounting.

Optionally, IP base Part No. 806202 with side cable entry and weatherproof protection can be installed.

Technical Data**Optic**

Frequency of flash

0.5 Hz ^{*1} / 1 Hz

Flash color

red

Luminous intensity

approx. 6,6 cd eff. ^{*1} / max. 17 cd eff. @ W-3,6-8

Signal Range

W-2,4-5 / 60 m³ ^{*1} (factory) ... W-3,6-8 / 230 m³

Mounting

Wall

Acoustic

Sound level

91 ^{*1} / 97 dB (A) +/- 2 dB @ 1 m / @ 90° angle / @ DIN Tone
EN 54-3 Sounder

Common technical data:

Operating voltage

14 ... 42 V DC (via powered loop)

Quiescent current @ 19 V DC

55 µA

Quiescent current @ FACP battery

approx. 300 µA @ 42 V

Ambient temperature

-10 °C ... 55 °C

Storage temperature

-25 °C ... 75 °C

Air humidity

< 95 % (non-condensing)

IP 56 with IP base 806202 ^{*3}

Housing

Polycarbonate plastic

Color

red, similar to RAL 3020

Weight

Calotte: translucent / partially frosted

Dimensions

approx. 300 g (with base)

Ø: 112 mm D: 78 mm

Ø: 112 mm D: 93 mm (with IP base)

Declaration of Performance

DoP-21431171215



When using the flat IP base the db output reduces by an average of 3 dB.

^{*1} Factory setting, configuration with service- and programming software tools 8000.

^{*2} IP 21C acc. EN 54-3 / -23

^{*3} Do not use the base for acoustic alarm applications in compliance with EN 54-3

Replacement for Part No. 807224.

• To change the factory settings for EN 54-23 square signal ranges programming software tools 8000 from version V1.24 is required.

• An easy to use online guide will help you to identify the right selection of EN 54-23 products for your project. Simply enter the room dimensions and get the overview for number of devices needed, their settings and calculations of load factor. To find on www.esser-systems.com.

Accessories

806202

IP base, red

807224RW

NEW

Features

- Completely bus supplied alarm device
- Powered loop compatible
- Low power consumption
- Up to 21 alarm devices for each powered loop
- Each alarm device has built-in isolator
- Synchronous trigger

Optical alarm properties:

- EN 54-23 compliant
- W category
- Signal range up to 8.0 m room width for wall mounting
- Room size configurable via tools 8000

Acoustic alarm properties:

- EN 54-3 compliant
- High acoustic pressure
- Volume programmable in 8 steps via tools 8000
- 20 different signaling tones, including DIN tone

IQ8Alarm Plus/FSo visual alarm device with sound, red/white

Approval: VdS

Addressable, completely bus supplied and short circuit / open circuit resilient combined fire alarm sounder and Visual Alarm Device (VAD) in compliance with EN 54-3 & EN 54-23 with integrated signaling tones and white light flash for acoustic and optical alarm signaling.

With up to 20 different programmable signaling tones including DIN tone in accordance with DIN 33404 Part 3.

The volume can be set to 8 different levels.

The optical signaling device is suitable for square signal ranges W-2.4-5 to W-3.6-8.

The optical signal range is adjustable in 6 sizes via tools 8000.

Signaling device with flat base, suitable for wall mounting.

Optionally, IP base Part No. 806202 with side cable entry and weatherproof protection can be installed.

Technical Data

Optic

| | |
|--------------------|--|
| Frequency of flash | 0.5 Hz ^{*1} / 1 Hz |
| Flash color | white |
| Luminous intensity | approx. 6,6 cd eff. ^{*1} / max. 17 cd eff. @ W-3,6-8 |
| Signal Range | W-2,4-5 / 60 m ³ (factory) ... W-3,6-8 / 230 m ³ |
| Mounting | Wall |

Acoustic

| | |
|-------------|--|
| Sound level | 91 ^{*1} / 97 dB (A) +/- 2 dB @ 1 m / @ 90° angle / @ DIN Tone EN 54-3 Sounder |
|-------------|--|

Common technical data:

| | |
|----------------------------------|---|
| Operating voltage | 14 ... 42 V DC (via powered loop) |
| Quiescent current @ 19 V DC | 55 µA |
| Quiescent current @ FACP battery | approx. 300 µA @ 42 V |
| Ambient temperature | -10 °C ... 55 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % (non-condensing) |
| Housing | IP 56 with IP base 806202 ^{*3} |
| Color | Polycarbonate plastic red, similar to RAL 3020 |
| Weight | Calotte: translucent / partially frosted approx. 300 g (with base) |
| Dimensions | Ø: 112 mm D: 78 mm Ø: 112 mm D: 93 mm (with IP base) |
| Declaration of Performance | DoP-21431171215 |



When using the flat IP base the db output reduces by an average of 3 dB.

^{*1} Factory setting, configuration with service- and programming software tools 8000.

^{*2} IP 21C acc. EN 54-3 / -23

^{*3} Do not use the base for acoustic alarm applications in compliance with EN 54-3

• To change the factory settings for EN 54-23 square signal ranges programming software tools 8000 from version V1.24 is required.

• An easy to use online guide will help you to identify the right selection of EN 54-23 products for your project. Simply enter the room dimensions and get the overview for number of devices needed, their settings and calculations of load factor. To find on www.esser-systems.com.

Accessories

806202

IP base, red

IQ8Alarm Plus Visual Alarm Devices with Sound/Speech

807372RR

NEW

Features

- Completely bus supplied alarm device
- Powered loop compatible
- Low power consumption
- Up to 13 alarm devices for each powered loop
- Each alarm device has built-in isolator
- Synchronous trigger

Optical alarm properties:

- EN 54-23 compliant
- W category
- Signal range up to 8.0 m room width for wall mounting
- Room size configurable via tools 8000

Acoustic alarm properties:

- EN 54-3 compliant
- High acoustic pressure
- Volume programmable in 8 steps via tools 8000
- 20 different signaling tones, including DIN tone
- Multilingual speech alarm in 5 different languages
- Alarm signaling, evacuation, and test alarm can each be programmed in different languages
- Speech alarm, 5 pre-programmed alarm texts and other country-typical alarm signals

IQ8Alarm Plus/FSpSo visual alarm device with sound/speech, red/red

Approval: VdS

Addressable, completely bus supplied and short circuit / open circuit resilient combined voice sounder and Visual Alarm Device (VAD) in compliance with EN 54-3 & EN 54-23 with integrated voice messages, signaling tones and red light flash for acoustic and optical alarm signaling. With up to 20 different programmable signaling tones including DIN tone in accordance with DIN 33404 Part 3.

Speech alarm with 5 pre-programmed alarm messages in 5 different languages.

The volume can be set to 8 different levels.

Selection or combination of speech messages and signaling tones as well the volume control are carried out via the tools 8000 programming software.

The optical signaling device is suitable for square signal ranges W-2.4-5 to W-3.6-8.

The optical signal range is adjustable in 6 sizes via tools 8000.

Signaling device with flat base, suitable for wall mounting.

Optionally, IP base Part No. 806202 with side cable entry and weatherproof protection can be installed.

Technical Data

Optic

| | |
|--------------------|--|
| Load factor optic | 3 ⁻¹ ... 7.9 |
| Frequency of flash | 0.5 Hz ⁻¹ / 1 Hz |
| Flash color | red |
| Luminous intensity | approx. 6.6 cd eff. ⁻¹ / max. 17 cd eff. @ W-3.6-8 |
| Signal Range | W-2.4-5 / 60 m ³ ⁻¹ ... W-3.6-8 / 230 m ³ |
| Mounting | Wall |

Acoustic

| | |
|-------------|---|
| Sound level | 90 db(A) +/- 2 dB @ 1 m / @ 90° / @ DIN tone, for speech & tone |
| | 97 db(A) +/- 2 dB @ 1 m / @ 90° / @ DIN tone, only tone |
| | EN 54-3 Sounder |
| | EN 54-3 Voice Sounder |

Common technical data:

| | |
|----------------------------------|---|
| Operating voltage | 14 ... 42 V DC (via powered loop) |
| Quiescent current @ 19 V DC | 55 µA |
| Quiescent current @ FACP battery | approx. 300 µA @ 42 V |
| Loadfactor total | 7 ⁻¹ ... 11.9 |
| Ambient temperature | -10 °C ... 55 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % (non-condensing) |
| Housing | IP 56 with IP base 806202 ⁻³ |
| Color | Polycarbonate plastic red, similar to RAL 3020 |
| Weight | Calotte: translucent approx. 300 g (with base) |
| Dimensions | Ø: 112 mm D: 78 mm Ø: 112 mm D: 93 mm (with IP base) |
| Declaration of Performance | DoP-21431171215 |



When using the flat IP base the db output reduces by an average of 3 dB.

⁻¹ Factory setting, configuration with service- and programming software tools 8000

⁻² IP 21C acc. EN 54-3 / -23

⁻³ Do not use the base for acoustic alarm applications in compliance with EN 54-3

Replacement for Part No. 807372.

To change the factory settings for EN 54-23 square signal ranges programming software tools 8000 from version V1.24 is required.

An easy to use online guide will help you to identify the right selection of EN 54-23 products for your project. Simply enter the room dimensions and get the overview for number of devices needed, their settings and calculations of load factor. To be found on www.esser-systems.com.

Accessories

806202

IP base, red

807372RR.SV98

IQ8Alarm Plus/FSpSo VAD with sound/speech, red/red,
composed version**NEW****Features**

- Completely bus supplied alarm device
- Powered loop compatible
- Low power consumption
- Up to 13 alarm devices for each powered loop
- Each alarm device has built-in isolator
- Synchronous trigger

Optical alarm properties:

- EN 54-23 compliant
- W category
- Signal range up to 8.0 m room width for wall mounting
- Room size configurable via tools 8000

Acoustic alarm properties:

- EN 54-3 compliant
- High acoustic pressure
- Volume programmable in 8 steps via tools 8000
- 20 different signaling tones, including DIN tone
- Multilingual speech alarm in 5 different languages
- Alarm signaling, evacuation, and test alarm can each be programmed in different languages
- Speech alarm, 5 pre-programmed alarm texts and other country-typical alarm signals

Approval: VdS

Same as 807372RR, but with an individual combination of up to 5 languages, see special order form in the appendix.

Addressable, completely bus supplied and short circuit / open circuit resilient combined voice sounder and Visual Alarm Device (VAD) in compliance with EN 54-3 & EN 54-23 with integrated voice messages, signaling tones and red light flash for acoustic and optical alarm signaling. With up to 20 different programmable signaling tones including DIN tone in accordance with DIN 33404 Part 3.

Speech alarm with 5 pre-programmed alarm messages in 5 different languages.

The volume can be set to 8 different levels.

Selection or combination of speech messages and signaling tones as well the volume control are carried out via the tools 8000 programming software.

The optical signaling device is suitable for square signal ranges W-2.4-5 to W-3.6-8.

The optical signal range is adjustable in 6 sizes via tools 8000.

Signaling device with flat base, suitable for wall mounting.

Optionally, IP base Part No. 806202 with side cable entry and weatherproof protection can be installed.

Technical Data**Optic**

| | |
|--------------------|--|
| Load factor optic | 3 ⁻¹ ... 7,9 |
| Frequency of flash | 0.5 Hz ⁻¹ / 1 Hz |
| Flash color | red |
| Luminous intensity | approx. 6.6 cd eff. * ¹ / max. 17 cd eff. @ W-3.6-8 |
| Signal Range | W-2.4-5 / 60 m ³ ... W-3.6-8 / 230 m ³ |
| Mounting | Wall |

Acoustic

| | |
|-------------|---|
| Sound level | 90 db(A) +/- 2 dB @ 1 m / @ 90° / @ DIN tone, for speech & tone |
| | 97 db(A) +/- 2 dB @ 1 m / @ 90° / @ DIN tone, only tone |
| | EN 54-3 Sounder |
| | EN 54-3 Voice Sounder |

Common technical data:

| | |
|----------------------------------|--|
| Operating voltage | 14 ... 42 V DC (via powered loop) |
| Quiescent current @ 19 V DC | 55 µA |
| Quiescent current @ FACP battery | approx. 300 µA @ 42 V |
| Loadfactor total | 7 ⁻¹ ... 11,9 |
| Ambient temperature | -10 °C ... 55 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % (non-condensing) |
| Housing | IP 56 with IP base 806202 * ³ |
| Color | Polycarbonate plastic |
| | red, similar to RAL 3020 |
| | Calotte: translucent |
| Weight | approx. 300 g (with base) |
| Dimensions | Ø: 112 mm D: 78 mm |
| | Ø: 112 mm D: 93 mm (with IP base) |
| Declaration of Performance | DoP-21431171215 |



When using the flat IP base the db output reduces by an average of 3 dB

*1 Factory setting, configuration with service- and programming software tools 8000

*2 IP 21C acc. EN 54-3 / -23

*3 Do not use the base for acoustic alarm applications in compliance with EN 54-3 Replacement for Part No. 807372.SV98.

To change the factory settings for EN 54-23 square signal ranges programming software tools 8000 from version V1.24 is required.

An easy to use online guide will help you to identify the right selection of EN 54-23 products for your project. Simply enter the room dimensions and get the overview for number of devices needed, their settings and calculations of load factor. To be found on www.esser-systems.com.

When ordering, please note the "Order Information for Alarm Signaling Devices IQ8Quad and IQ8Alarm Plus" and fill in the order form "Order Form for IQ8 Composed Languages (xy, SV98)" printed in the appendix.

Cancellations or returns are not possible.



Programmed with an individual selection of up to 5 national languages.

Accessories

806202

IP base, red

807372RR.SV99

IQ8Alarm Plus/FSpSo VAD with sound/speech, red/red,
customized version**NEW****Features**

- Completely bus supplied alarm device
- Powered loop compatible
- Low power consumption
- Up to 13 alarm devices for each powered loop
- Each alarm device has built-in isolator
- Synchronous trigger

Optical alarm properties:

- EN 54-23 compliant
- W category
- Signal range up to 8.0 m room width for wall mounting
- Room size configurable via tools 8000

Acoustic alarm properties:

- EN 54-3 compliant
- High acoustic pressure
- Volume programmable in 8 steps via tools 8000
- 20 different signaling tones, including DIN tone
- Multilingual speech alarm in 5 different languages
- Alarm signaling, evacuation, and test alarm can each be programmed in different languages
- Speech alarm, 5 pre-programmed alarm texts and other country-typical alarm signals

Approval: VdS

Same as 807372RR, but with individual texts and/or sounds. The maximum recording time per device is 169 seconds.

Addressable, completely bus supplied and short circuit / open circuit resilient combined voice sounder and Visual Alarm Device (VAD) in compliance with EN 54-3 & EN 54-23 with integrated voice messages, signaling tones and red light flash for acoustic and optical alarm signaling. With up to 20 different programmable signaling tones including DIN tone in accordance with DIN 33404 Part 3.

Speech alarm with 5 pre-programmed alarm messages in 5 different languages.

The volume can be set to 8 different levels.

Selection or combination of speech messages and signaling tones as well the volume control are carried out via the tools 8000 programming software.

The optical signaling device is suitable for square signal ranges W-2.4-5 to W-3.6-8.

The optical signal range is adjustable in 6 sizes via tools 8000.

Signaling device with flat base, suitable for wall mounting.

Optionally, IP base Part No. 806202 with side cable entry and weatherproof protection can be installed.

Technical Data**Optic**

| | |
|--------------------|--|
| Load factor optic | 3 ⁻¹ ... 7.9 |
| Frequency of flash | 0.5 Hz ⁻¹ / 1 Hz |
| Flash color | red |
| Luminous intensity | approx. 6.6 cd eff. ⁻¹ / max. 17 cd eff. @ W-3.6-8 |
| Signal Range | W-2.4-5 / 60 m ³ ⁻¹ ... W-3.6-8 / 230 m ³ |
| Mounting | Wall |

Acoustic

| | |
|-------------|---|
| Sound level | 90 db(A) +/- 2 dB @ 1 m / @ 90° / @ DIN tone, for speech & tone |
| | 97 db(A) +/- 2 dB @ 1 m / @ 90° / @ DIN tone, only tone |
| | EN 54-3 Sounder |
| | EN 54-3 Voice Sounder |

Common technical data:

| | |
|----------------------------------|---|
| Operating voltage | 14 ... 42 V DC (via powered loop) |
| Quiescent current @ 19 V DC | 55 µA |
| Quiescent current @ FACP battery | approx. 300 µA @ 42 V |
| Loadfactor total | 7 ⁻¹ ... 11.9 |
| Ambient temperature | -10 °C ... 55 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % (non-condensing) |
| Housing | IP 56 with IP base 806202 ^{*3} |
| Color | Polycarbonate plastic red, similar to RAL 3020 |
| Weight | Calotte: translucent approx. 300 g (with base) |
| Dimensions | Ø: 112 mm D: 78 mm Ø: 112 mm D: 93 mm (with IP base) |
| Declaration of Performance | DoP-21431171215 |



When using the flat IP base the db output reduces by an average of 3 dB.

^{*1} Factory setting, configuration with service- and programming software tools 8000

^{*2} IP 21C acc. EN 54-3 / -23

^{*3} Do not use the base for acoustic alarm applications in compliance with EN 54-3
Replacement for Part No. 807372.SV99

To change the factory settings for EN 54-23 square signal ranges programming software tools 8000 from version V1.24 is required.

An easy to use online guide will help you to identify the right selection of EN 54-23 products for your project. Simply enter the room dimensions and get the overview for number of devices needed, their settings and calculations of load factor. To be found on www.esser-systems.com.

When ordering, please note the "Order Information for Alarm Signaling Devices IQ8Quad and IQ8Alarm Plus" and fill in the order form "Order Form for IQ8 Composd Languages (xy. SV98)" printed in the appendix.

Service and costs for recording studio upon request.

Cancellations or returns are not possible.



Programmed according to customer specifications.

Accessories

806202

IP base, red

807372RW

IQ8Alarm Plus/FSpSo visual alarm device with sound/speech, red/white

NEW**Features**

- Completely bus supplied alarm device
- Powered loop compatible
- Low power consumption
- Up to 13 alarm devices for each powered loop
- Each alarm device has built-in isolator
- Synchronous trigger

Optical alarm properties:

- EN 54-23 compliant
- W category
- Signal range up to 8.0 m room width for wall mounting
- Room size configurable via tools 8000

Acoustic alarm properties:

- EN 54-3 compliant
- High acoustic pressure
- Volume programmable in 8 steps via tools 8000
- 20 different signaling tones, including DIN tone
- Multilingual speech alarm in 5 different languages
- Alarm signaling, evacuation, and test alarm can each be programmed in different languages
- Speech alarm, 5 pre-programmed alarm texts and other country-typical alarm signals

Approval: VdS

Addressable, completely bus supplied and short circuit / open circuit resilient combined voice sounder and Visual Alarm Device (VAD) in compliance with EN 54-3 & EN 54-23 with integrated voice messages, signaling tones and white light flash for acoustic and optical alarm signaling. With up to 20 different programmable signaling tones including DIN tone in accordance with DIN 33404 Part 3.

Speech alarm with 5 pre-programmed alarm messages in 5 different languages.

The volume can be set to 8 different levels.

Selection or combination of speech messages and signaling tones as well the volume control are carried out via the tools 8000 programming software

The optical signaling device is suitable for square signal ranges W-2.4-5 to W-3.6-8.

The optical signal range is adjustable in 6 sizes via tools 8000.

Signaling device with flat base, suitable for wall mounting.

Optionally, IP base Part No. 806202 with side cable entry and weatherproof protection can be installed.

Technical Data**Optic**

| | |
|--------------------|--|
| Frequency of flash | 0.5 Hz ^{*1} / 1 Hz |
| Flash color | white |
| Luminous intensity | approx. 6,6 cd eff. ^{*1} / max. 17 cd eff. @ W-3,6-8 |
| Signal Range | W-2,4-5 / 60 m ³ ^{*1} (factory) ... W-3,6-8 / 230 m ³ |
| Mounting | Wall |

Acoustic

| | |
|-------------|---|
| Sound level | 90 db(A) +/- 2 dB @ 1 m / @ 90° / @ DIN tone, for speech & tone |
| | 97 db(A) +/- 2 dB @ 1 m / @ 90° / @ DIN tone, only tone |
| | EN 54-3 Sounder |
| | EN 54-3 Voice Sounder |

Common technical data:

| | |
|----------------------------------|--|
| Operating voltage | 14 ... 42 V DC (via powered loop) |
| Quiescent current @ 19 V DC | 55 µA |
| Quiescent current @ FACP battery | approx. 300 µA @ 42 V |
| Ambient temperature | -10 °C ... 55 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % (non-condensing) |
| | IP 56 with IP base 806202 ^{*3} |
| Housing | Polycarbonate plastic |
| Color | red, similar to RAL 3020 |
| | Calotte: translucent / partially frosted |
| Weight | approx. 300 g (with base) |
| Dimensions | Ø: 112 mm D: 78 mm |
| | Ø: 112 mm D: 93 mm (with IP base) |
| Declaration of Performance | DoP-21431171215 |



When using the flat IP base the db output reduces by an average of 3 dB.

^{*1} Factory setting, configuration with service- and programming software tools 8000.

^{*2} IP 21C acc. EN 54-3 / -23

^{*3} Do not use the base for acoustic alarm applications in compliance with EN 54-3

To change the factory settings for EN 54-23 square signal ranges programming software tools 8000 from version V1.24 is required.

An easy to use online guide will help you to identify the right selection of EN 54-23 products for your project. Simply enter the room dimensions and get the overview for number of devices needed, their settings and calculations of load factor. To be found on www.esser-systems.com.

Accessories

806202

IP base, red

807372RW.SV98

IQ8Alarm Plus/FSpSo VAD with sound/speech, red/white,
composed version**NEW****Features**

- Completely bus supplied alarm device
- Powered loop compatible
- Low power consumption
- Up to 13 alarm devices for each powered loop
- Each alarm device has built-in isolator
- Synchronous trigger

Optical alarm properties:

- EN 54-23 compliant
- W category
- Signal range up to 8.0 m room width for wall mounting
- Room size configurable via tools 8000

Acoustic alarm properties:

- EN 54-3 compliant
- High acoustic pressure
- Volume programmable in 8 steps via tools 8000
- 20 different signaling tones, including DIN tone
- Multilingual speech alarm in 5 different languages
- Alarm signaling, evacuation, and test alarm can each be programmed in different languages
- Speech alarm, 5 pre-programmed alarm texts and other country-typical alarm signals

Approval: VdS

Same as 807372RW, but with an individual combination of up to 5 languages, see special order form in the appendix.

Addressable, completely bus supplied and short circuit / open circuit resilient combined voice sounder and Visual Alarm Device (VAD) in compliance with EN 54-3 & EN 54-23 with integrated voice messages, signaling tones and white light flash for acoustic and optical alarm signaling. With up to 20 different programmable signaling tones including DIN tone in accordance with DIN 33404 Part 3.

Speech alarm with 5 pre-programmed alarm messages in 5 different languages.

The volume can be set to 8 different levels.

Selection or combination of speech messages and signaling tones as well the volume control are carried out via the tools 8000 programming software

The optical signaling device is suitable for square signal ranges W-2.4-5 to W-3.6-8.

The optical signal range is adjustable in 6 sizes via tools 8000.

Signaling device with flat base, suitable for wall mounting.

Optionally, IP base Part No. 806202 with side cable entry and weatherproof protection can be installed.

Technical Data**Optic**

| | |
|--------------------|--|
| Frequency of flash | 0.5 Hz ^{*1} / 1 Hz |
| Flash color | white |
| Luminous intensity | approx. 6,6 cd eff. ^{*1} / max. 17 cd eff. @ W-3,6-8 |
| Signal Range | W-2,4-5 / 60 m ³ ^{*1} (factory) ... W-3,6-8 / 230 m ³ |
| Mounting | Wall |

Acoustic

| | |
|-------------|---|
| Sound level | 90 db(A) +/- 2 dB @ 1 m / @ 90° / @ DIN tone, for speech & tone |
| | 97 db(A) +/- 2 dB @ 1 m / @ 90° / @ DIN tone, only tone |
| | EN 54-3 Sounder |
| | EN 54-3 Voice Sounder |

Common technical data:

| | |
|----------------------------------|--|
| Operating voltage | 14 ... 42 V DC (via powered loop) |
| Quiescent current @ 19 V DC | 55 µA |
| Quiescent current @ FACP battery | approx. 300 µA @ 42 V |
| Ambient temperature | -10 °C ... 55 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % (non-condensing) |
| | IP 56 with IP base 806202 ^{*3} |
| Housing | Polycarbonate plastic |
| Color | red, similar to RAL 3020 |
| | Calotte: translucent / partially frosted |
| Weight | approx. 300 g (with base) |
| Dimensions | Ø: 112 mm D: 78 mm |
| | Ø: 112 mm D: 93 mm (with IP base) |
| Declaration of Performance | DoP-21431171215 |



When using the flat IP base the db output reduces by an average of 3 dB

^{*1} Factory setting, configuration with service- and programming software tools 8000.

^{*2} IP 21C acc. EN 54-3 / -23

^{*3} Do not use the base for acoustic alarm applications in compliance with EN 54-3

When ordering, please note the "Order Information for Alarm Signaling Devices IQ8Quad and IQ8Alarm Plus" and fill in the order form "Order Form for IQ8 Composed Languages (xy, SV98)" printed in the appendix.

Cancellations or returns are not possible.



Programmed with an individual selection of up to 5 national languages.

Accessories

806202

IP base, red

807372RW.SV99

IQ8Alarm Plus/FSpSo VAD with sound/speech, red/white, customized version

NEW**Features**

- Completely bus supplied alarm device
- Powered loop compatible
- Low power consumption
- Up to 13 alarm devices for each powered loop
- Each alarm device has built-in isolator
- Synchronous trigger

Optical alarm properties:

- EN 54-23 compliant
- W category
- Signal range up to 8.0 m room width for wall mounting
- Room size configurable via tools 8000

Acoustic alarm properties:

- EN 54-3 compliant
- High acoustic pressure
- Volume programmable in 8 steps via tools 8000
- 20 different signaling tones, including DIN tone
- Multilingual speech alarm in 5 different languages
- Alarm signaling, evacuation, and test alarm can each be programmed in different languages
- Speech alarm, 5 pre-programmed alarm texts and other country-typical alarm signals

Approval: VdS

Same as 807372RW, but with individual texts and/or sounds. The maximum recording time per device is 169 seconds.

Addressable, completely bus supplied and short circuit / open circuit resilient combined voice sounder and Visual Alarm Device (VAD) in compliance with EN 54-3 & EN 54-23 with integrated voice messages, signaling tones and white light flash for acoustic and optical alarm signaling. With up to 20 different programmable signaling tones including DIN tone in accordance with DIN 33404 Part 3.

Speech alarm with 5 pre-programmed alarm messages in 5 different languages.

The volume can be set to 8 different levels.

Selection or combination of speech messages and signaling tones as well the volume control are carried out via the tools 8000 programming software

The optical signaling device is suitable for square signal ranges W-2.4-5 to W-3.6-8.

The optical signal range is adjustable in 6 sizes via tools 8000.

Signaling device with flat base, suitable for wall mounting.

Optionally, IP base Part No. 806202 with side cable entry and weatherproof protection can be installed.

Technical Data**Optic**

| | |
|--------------------|---|
| Frequency of flash | 0.5 Hz ^{*1} / 1 Hz |
| Flash color | white |
| Luminous intensity | approx. 6,6 cd eff. ^{*1} / max. 17 cd eff. @ W-3,6-8 |
| Signal Range | W-2,4-5 / 60 m³ ^{*1} (factory) ... W-3,6-8 / 230 m³ |
| Mounting | Wall |

Acoustic

| | |
|-------------|--|
| Sound level | 90 db(A) +/- 2 dB @ 1 m / @ 90° / @ DIN tone, for speech & tone 97 db(A) +/- 2 dB @ 1 m / @ 90° / @ DIN tone, only tone |
| | EN 54-3 Sounder |
| | EN 54-3 Voice Sounder |

Common technical data:

| | |
|----------------------------------|---|
| Operating voltage | 14 ... 42 V DC (via powered loop) |
| Quiescent current @ 19 V DC | 55 µA |
| Quiescent current @ FACP battery | approx. 300 µA @ 42 V |
| Ambient temperature | -10 °C ... 55 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % (non-condensing) |
| Housing | IP 56 with IP base 806202 ^{*3} |
| Color | Polycarbonate plastic red, similar to RAL 3020 Calotte: translucent / partially frosted |
| Weight | approx. 300 g (with base) |
| Dimensions | Ø: 112 mm D: 78 mm Ø: 112 mm D: 93 mm (with IP base) |
| Declaration of Performance | DoP-21431171215 |



When using the flat IP base the db output reduces by an average of 3 dB.

^{*1} Factory setting, configuration with service- and programming software tools 8000.

^{*2} IP 21C acc. EN 54-3 / -23

^{*3} Do not use the base for acoustic alarm applications in compliance with EN 54-3

To change the factory settings for EN 54-23 square signal ranges programming software tools 8000 from version V1.24 is required.

An easy to use online guide will help you to identify the right selection of EN 54-23 products for your project. Simply enter the room dimensions and get the overview for number of devices needed, their settings and calculations of load factor. To find on www.esser-systems.com.

When ordering, please note the "Order Information for Alarm Signaling Devices IQ8Quad and IQ8Alarm Plus" and fill in the order form "Order Form for IQ8 Customized Languages (xy. SV99)" printed in the appendix. Service and costs for recording studio upon request.

Cancellations or returns are not possible.



Programmed according to customer specifications.

Accessories

806202

IP base, red

Accessories

806201

IQ8Alarm Plus IP 56 base, white

**Technical Data**

Common technical data:

Type of protection
ColorIP 56
white, similar to RAL 9010

806202

IQ8Alarm Plus IP 56 base, red

**Technical Data**

Common technical data:

Type of protection
ColorIP 56
red, similar to RAL 3020


Alarm Devices

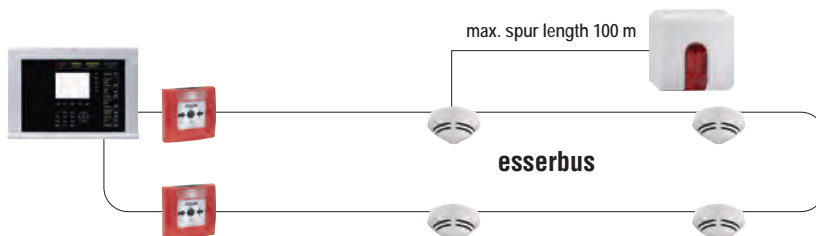
Features

- Shapely, light-weight and compact design
- Prism with all around 180° visible LEDs with a wide area of illumination and high on/off contrast

Remote Indicators

These indicators are used primarily for signaling alarms from smoke detectors installed above suspended ceilings, between floors or in other inaccessible locations. The indicators have an elegant plastic housing with a clearly visible illuminated field. It comprises two parts - the base which is installed onto a wall or ceiling and the lid which is fitted to the base with a clip.

 Cable length from the remote indicator to detector base or voltage supply max. 100 m.



781804



Features

- 4 pulsed LEDs
- Power-saving compact indicator
- Viewing angle 180°


Remote indicator for Series 9000 / ES Detect, red lens

Red prism is illuminated by 4 pulsed LEDs to optimize energy consumption. Connection by 3/4 wire cable to detector base.

Technical Data

Common technical data:

| | |
|-----------------------------|----------------------------|
| Operating voltage | 6 ... 12 V DC |
| Quiescent current @ 12 V DC | approx. 0.005 mA |
| Alarm current | approx. 9 mA @ 12 V DC |
| Frequency of flash | 1.5 Hz |
| Ambient temperature | -25 °C ... 70 °C |
| Storage temperature | -35 °C ... 85 °C |
| Air humidity | < 95 % |
| Housing | ABS plastic |
| Color | white, similar to RAL 9010 |
| Weight | approx. 60 g |
| Dimensions | W: 85 mm H: 82 mm D: 27 mm |

 Operation only with conventional automatic fire detectors Series 9000 and standard detector base Part No. 781590.

Detectors Series ES Detect:

- Detector base 805590 required.
- Max. 4 indicators per detector / max. 3 detectors per indicator.
- Max. 4 detector per indicator per detector zone.

Detector Series 9000:

- Adapter module (Part No. 781487) required
- Max. 3 indicators per detector / max. 3 detectors per indicator
- Max. 60 remote indicators per zone (with max. 20 detectors)
- each additional detector, decrease 3 remote indicators (e.g. 21 detectors -> max. 57 remote indicators
30 detectors -> max. 30 remote indicators)

781814



Features

- Viewing angle 180°
- Default activation by a connected detector
- Configurable activation by any system event programmable via tools 8000 software

Remote indicator for Series 9000, 9200 and IQ8Quad, red lens

Red prism is continuously or pulsed illuminated by 3 LEDs. Connection by 2-wire cable to detector base.

Technical Data

Common technical data:

| | |
|---------------------|----------------------------|
| Operating voltage | 1.8 ... 3 V DC |
| Current consumption | approx. 9 mA |
| Alarm display | 3 red LEDs |
| Ambient temperature | -25 °C ... 70 °C |
| Storage temperature | -35 °C ... 85 °C |
| Air humidity | < 95 % |
| Housing | ABS plastic |
| Color | white, similar to RAL 9010 |
| Weight | approx. 60 g |
| Dimensions | W: 85 mm H: 82 mm D: 27 mm |



Detectors Series 9000

- Standard detector base Part No. 781590 and adapter module Part No. 781487 required
- Max. 2 detectors per indicator / max. 2 indicator per detector
- Remote indicator is lit continuously when activated

Detectors Series ES Detect

- Detector base 805590 required for Series ES Detect
- Max. 3 detectors per indicator / max. 3 remote indicators per detector
- Indicator flashes when activated (Pulse frequency approx. 1 Hz)

Detectors Series 9200/IQ8Quad / ES Detect

- Standard detector base Part No. 781590 or base Part No. 801593 required for Series 9200 detectors
- Standard base Part No. 805590 required for Series IQ8Quad
- Max. 1 remote indicator per detector
- Max. 60 remote indicators per zone (with max. 30 detectors)
- Indicator flashes when activated (Pulse frequency approx. 1 Hz)

801824



Features

- 4 pulsed LEDs
- Ultra power-saving compact indicator
- Powered loop alarm device
- Viewing angle 180°
- Default activation by a connected detector
- Configurable activation by any system event programmable via tools 8000 software

Remote indicator esserbus-PLus f. detector Series 9200/IQ8Quad, red lens

Red prism is illuminated by 4 pulsed LEDs for operation on esserbus and esserbus-PLus to optimize energy consumption. Built-in current consumption stabilizer and energy storing capacitor for elimination of current peaks on esserbus-PLus loop and for increasing flash intensity. Connection by 3/4 wire cable to detector base.

Technical Data

Common technical data:

| | |
|-----------------------------|----------------------------|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 7 µA |
| Alarm current | approx. 150 µA @ 19 V DC |
| Frequency of flash | 1.5 Hz |
| Ambient temperature | -25 °C ... 70 °C |
| Storage temperature | -35 °C ... 85 °C |
| Air humidity | < 95 % |
| Housing | ABS plastic |
| Color | white, similar to RAL 9010 |
| Weight | approx. 60 g |
| Dimensions | W: 85 mm H: 82 mm D: 27 mm |



Detectors Series 9200/IQ8Quad

- Standard detector base Part No. 781590 or base Part No. 801593 required for Series 9200 detectors
- Standard base Part No. 805590 required for Series IQ8Quad
- max. 3 indicators per detector
- max. 103 remote indicators per loop

801825



Features

- 4 pulsed LEDs
- Power-saving compact indicator
- Powered loop alarm device
- Viewing angle 180°

Remote indicator esserbus-PLUS f. detector Series 9200/IQ8Quad, blue lens

A blue prism is illuminated by 4 pulsed LEDs to optimize energy consumption. Connection by 3/4 wire cable to detector base. For special applications such as indication of assaults on jailers in any prison cell of penitentiaries and correctional facilities.

Technical Data

Common technical data:

| | |
|-----------------------------|-------------------------------------|
| Operating voltage | 14 ... 42 V DC |
| Quiescent current @ 12 V DC | approx. 0.007 mA |
| Alarm current | approx. 150 µA |
| Frequency of flash | 1.5 Hz |
| Connection terminal | 0.6 mm ... max. 1.5 mm ² |
| Ambient temperature | -25 °C ... 70 °C |
| Storage temperature | -35 °C ... 85 °C |
| Air humidity | < 95 % |
| Housing | ABS plastic |
| Color | white, similar to RAL 9010 |
| Weight | approx. 60 g |
| Dimensions | W: 85 mm H: 82 mm D: 27 mm |



Automatic Fire Detectors Series 9200/IQ8Quad

- Standard detector base Part No. 781590 or base Part No. 801593 required for Series 9200 detectors
- Standard detector base Part No. 805590 required for Series IQ8Quad detectors
- Max. 3 indicators per detector / max. 2 detectors per indicator
- Max. 103 remote indicators per analog loop
- Do not connect remote indicator to detector base Part No. 781593
- Cable length to detector base or voltage supply max. 100 m

Manual Call Point Series 9200

- Electronic module Part No. 804472.10 (for activating a LED remote indicator)

12550LT

NEW



Waterproof case IP 66/67 for remote indicator

The waterproof housing allows to increase the protection class of the remote indicators for installation outside or in rooms with high humidity.

Technical Data

Common technical data:

| | |
|-------------------------|---------------------------------|
| Application temperature | -40 °C ... 80 °C |
| Type of protection | IP66/67 |
| Housing | Polycarbonate |
| Color | light gray, similar to RAL 7035 |
| Dimensions | W: 130 mm H: 130 mm D: 50 mm |



Base with TPE gasket, cable glands, screws for mounting plate/DIN-rail and cover with polyamide cover screws.



Installation & Service

Installation Accessories
Services

338-344
345

Surge Protection

764730



OVP module for TTY interfaces and conventional zones

Overvoltage protection module as 4-pin, rail-mounted device.
Space-saving combined surge protector module for the protection of two wire pairs of symmetrical interfaces with electrical isolation.

Technical Data

| | |
|---------------------------------------|------------------|
| Rated voltage | 24 V |
| Rated current | 1 A |
| max. cont. operating voltage a.c. | 23,3 V AC |
| max. cont. operating voltage d.c. | 33 V DC |
| Nom. discharge current (80/20)/line | 10000 A |
| Total nom. discharge current | 20 kA |
| Total lightning imp. current (10/350) | 10 kA |
| Lightning imp. current (10/350)/line | 2,5 kA |
| Ambient temperature | -40 °C ... 85 °C |
| Air humidity | < 95 % |



Good grounding is essential for the operation of the surge protector.
For easy installation, the basic module 764737 is recommended.

Accessories

764737 Base for overvoltage protection module

764731



OVP module for essernet and RS485 interfaces

Space-saving combined surge protector with LifeCheck for the protection of one wire of radio-frequency bus systems, with either direct or indirect shield grounding.

Technical Data

| | |
|---------------------|------------------|
| Rated current | 1 A |
| Ambient temperature | -40 °C ... 85 °C |
| Air humidity | < 95 % |



For easy installation, the basic module 764737 is recommended.

Accessories

764737 Base for overvoltage protection module

764732



OVP module including base support for 230 V power supply line

Two-pin surge protector comprising base element and connected protection module, with potential-free telecommunications contact for independent fault forwarding.

Technical Data

| | |
|---|------------------|
| Rated voltage | 230 V AC |
| max. cont. operating voltage a.c. | 255 V AC |
| max. cont. operating voltage d.c. | 255 V DC |
| Nominal load current a.c. | 25 A |
| Total discharge current (8/20) [L+N-PE] | 5 kA |
| Combined impulse | 6 kV |
| Combined impulse [L+N-PE] | 10 kV |
| Voltage protection level [L/N-PE] | 1500 V |
| Voltage protection level [L-N] | 1250 V |
| Response time [L+N-PE] | 0 ns |
| Response time [L-N] | 0 ns |
| Ambient temperature | -40 °C ... 85 °C |
| Air humidity | < 95 % |



Good grounding is essential for the operation of the surge protector.



Base element and connected protection module

764733



OVP module for esserbus/esserbus-PLus loop

Space-saving combined surge protector module for the protection of two wire pairs symmetrical interfaces with galvanic isolation.
One overvoltage protection module of this type is required for each loop.

Technical Data

| | |
|---------------------------------------|-------------------|
| Rated voltage | 48 V |
| Rated current | 1 A |
| max. cont. operating voltage a.c. | 38,1 V AC |
| max. cont. operating voltage d.c. | 54 V DC |
| Nom. discharge current (80/20)/line | 10000 A |
| Total nom. discharge current | 20 kA |
| Total lightning imp. current (10/350) | 10 kA |
| Lightning imp. current (10/350)/line | 2,5 kA |
| Ambient temperature | -40 °C ... 85 °C |
| Air humidity | < 95 % |
| Type of protection | IP 20 (connected) |



For easy installation, the basic module 764737 is recommended.

Accessories

764737 Base for overvoltage protection module

764734



OVP module

Space-saving combined surge protector module for the protection of one wire pair of symmetrical interfaces with electrical isolation.

Technical Data

| | |
|---------------------------------------|-------------------|
| Rated voltage | 180 V |
| Rated current | 0.75 A |
| max. cont. operating voltage a.c. | 127 V AC |
| max. cont. operating voltage d.c. | 180 V DC |
| Nom. discharge current (80/20)/line | 10000 A |
| Total nom. discharge current | 20 kA |
| Total lightning imp. current (10/350) | 5 kA |
| Lightning imp. current (10/350)/line | 2,5 kA |
| Ambient temperature | -40 °C ... 85 °C |
| Air humidity | < 95 % |
| Type of protection | IP 20 (connected) |

Accessories

764737 Base for overvoltage protection module

764736



OVP module for control outputs

Power-coordinated combined surge protector for the protection of ungrounded DC power supplies for mounting-rail installation.
Protection of monitored and potential-free control outputs up to 36 volts.

Technical Data

| | |
|---------------------------------------|------------------|
| Rated voltage | 36 V |
| Rated current | 7 A |
| max. cont. operating voltage d.c. | 45 V DC |
| Nom. discharge current (80/20)/line | 10000 A |
| Total nom. discharge current | 20 kA |
| Total lightning imp. current (10/350) | 5 kA |
| Lightning imp. current (10/350)/line | 2,5 kA |
| Ambient temperature | -40 °C ... 85 °C |
| Air humidity | < 95 % |



No base support is required for the connection.

764737

Base module for OVP modules



Base part as very space-saving, 4-pin, universal feed-through terminal to accommodate the surge protector module without signal interruption.

The secure grounding of the surge protector module is established via the mounting rail support base by means of a snap-on attachment.

As no components of the protection circuit are located in the base part, maintenance work is restricted to the protection modules.

Technical Data

| | |
|---------------------|------------------|
| Ambient temperature | -40 °C ... 85 °C |
| Air humidity | < 95 % |

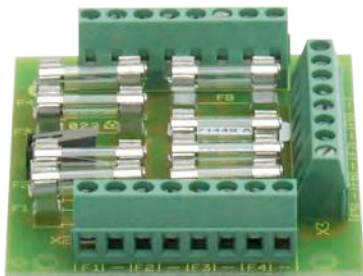


Tool-free attachment on 35 mm mounting rails.

Junction Box Module

382040

8-fuse-card



Approval: VdS

Fuse card with 8 x 0.5 A fuses for individual power supply protection of each area, zone and component. It can be used with all ESSER mains units, fire and intrusion detection panels.

Technical Data

| | |
|---------------------|------------------------------------|
| Contact load | 30 V DC / 1 A |
| Connection terminal | 0.6 mm to max. 1.5 mm ² |
| Ambient temperature | -5 °C ... 50 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Weight | approx. 85 g |
| Dimensions | W: 65 mm H: 72 mm D: 15 mm |



Possible installation in housings: Part No. 788600, 788601, 788650.10, 788651.10 and 788603.10

Interface Converters

764852

Converter RS232/RS485



For converting a serial interface from RS 232 to RS 485 and vice versa. Suitable for installation rail mounting.

Technical Data

Operating voltage
Current consumption @ 12 V DC
Housing
Weight
Dimensions

12 ... 24 V DC
approx. 85 mA
plastic small-design housing
approx. 500 g (incl. power supply)
W: 105 mm H: 75 mm D: 22 mm

Features

- RS 485, 2 and 4 wire compatible
- RS 485, automatic mode
- No re-configuration of transmission parameters required
- Min. 1 kV electrical isolation
- Top hat rail housing according to DIN EN 50022-35
- Suitable as "non-intelligent" converter for RS 485 field buses (e.g. profibus, CS31, etc.) <> RS 232



1 x RS 232/RS 485
1 x Power supply unit

Accessories

050510

Network interference suppression filter type 2VK3



The mains interference suppression filter is intended for later installation in all mains-operated devices in which problems due to HF power failure arise.

Technical Data

| | |
|---------------------|---|
| Rated current | 2 A |
| Rated frequency | 50 Hz ... 60 Hz |
| Ambient temperature | -10 °C ... 40 °C |
| Dimensions | W: 52.6 mm H: 46 mm D: 23.1 mm (without flange) |



Mains interference suppression filter and terminal block

070450

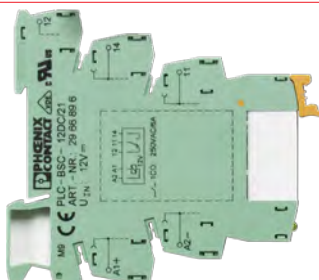
Additional relay 12 V DC



Small PCB with relay, connection terminals, two changeover contacts.

767510

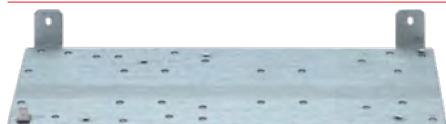
Control relay for top-hat rail mounting



Technical Data

| | |
|---------------------|------------------|
| Operating voltage | 12 V DC |
| Ambient temperature | -20 °C ... 55 °C |

057633



Installation frame for transmission units and transponders

Installation frame specially designed for 8000 C/M, IQ8Control C/M and FlexES Control panels (IQ8Control C and FlexES Control only with extension housing). The mounting frame allows the installation of two esserbus transponders or one dialling device for alarm transmission e.g. DS6750, 7500, 7600, 7700, 8800.

Technical Data

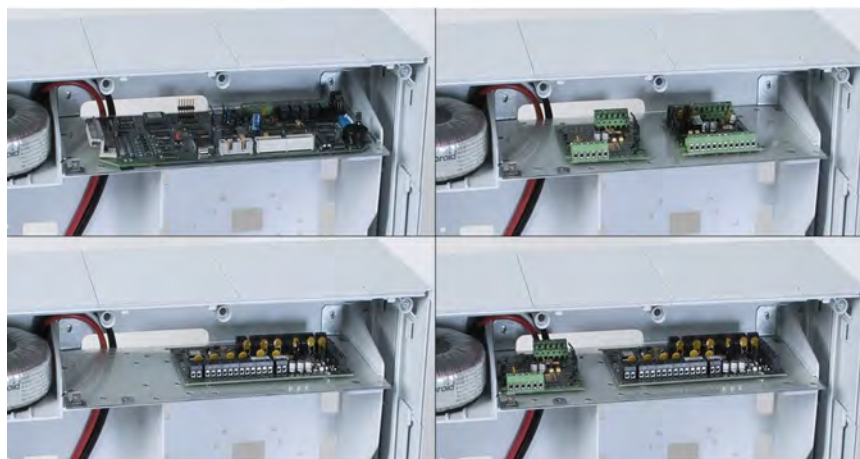
Dimensions

W: 280 mm H: 130 mm D: 25 mm



1 x Installation frame

1 x Insulation foil and installation material



Application example

704147

Cable gland M12 with nut

Polyamide cable gland to increase the protection level.



Technical Data

Ambient temperature

-20 °C ... 95 °C

Material

Polyamide

Color

gray

Cable diameter

3 mm

704148

Cable gland M16 with nut

Polyamide cable gland to increase the protection level.



Technical Data

Ambient temperature

-20 °C ... 95 °C

Material

Polyamide

Color

gray

Cable diameter

8 mm

798655

Log book for FAS (DE/GB)



Multilingual (German, English) file for fire alarm systems suitable for logging operating states, events and maintenance work, etc.

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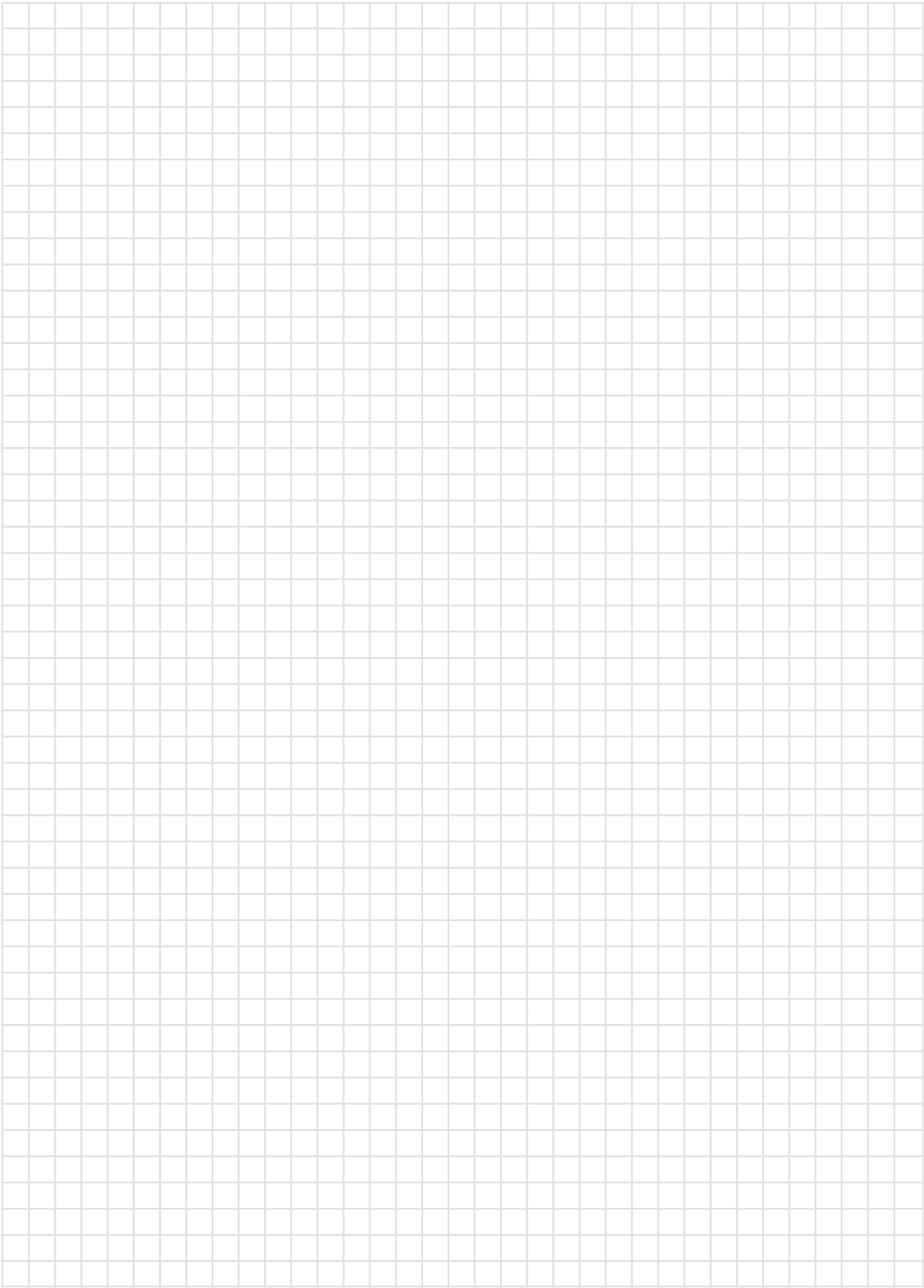
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FlexES System – FM Approved

| | |
|--------------------------------|---------|
| Addressable FlexES Control | 348 |
| Operating Fronts | 349 |
| Extension Modules | 350 |
| Power Supply Extension | 351-353 |
| Addressable FlexES Control 19" | 354-357 |
| Modules for FlexES System | 358-359 |
| Detectors IQ8Quad | 360-364 |
| Manual Call Points | 365-366 |
| Input/Output Modules | 367-368 |
| Detectors IQ8Quad Ex (i) | 369-371 |

FX808397.IN

NEW



Features

- Master/slave CPU by redundant control module
- Combinable loop/spur technology with decentralized intelligence
- Freely configurable functionality of modules
- 4 free programmable potential free contacts and 1 output for alarm transmission unit (ATU)
- Increased availability via emergency mode function of the loop modules
- Emergency mode for monitored areas up to 48,000 m² or more than 512 fire detectors acc. to the German Planning standard VDE 0833 and/or VdS 2095
- USB, RS 485, TTY interfaces onboard
- Direct output of the proprietary EDP communications protocol (Data Protocol) via interface RS 485
- Operation of loop-powered alarm signaling devices (optical/acoustic/voice) in different alarm zones via esserbus-PLUS
- Cascadable power supply to 450 W according to EN 54-4
- Loop length up to 3.5 km (esserbus)
- Operation of different input/output gateways
- Event memory with 10,000 entries
- Integrated interfaces for operation of required fire brigade periphery, e.g. fire brigade indicating panel, fire brigade operating unit
- Operation of VdS-approved wireless components with convenient field intensity measurement
- Parameterization, calibration and programming directly via USB
- Galvanic isolation of analog loops possible
- Up to 1,000 control zones

In connection with display and operating unit

- Display and operating unit with 5.7" TFT display
- Capacitive keyboard for touch-sensitive operation
- Program-controlled night design with interactive keyboard menu

Additional features for powered loop

- BUS supplied, synchronously controlled, acoustic alarm signaling devices as per DIN EN 54 - 3 with alarm tone as per DIN 33404
- Up to 32 powered loop IQ8Alarm / IQ8Alarm Plus devices per loop
- Up to 64 powered loop IQ8Alarm Plus So / FSo devices per loop
- Up to 48 IQ8Quad with alarm device per loop

FACP FlexES Control FM (18 loops)

Approval: FM

Hardware FlexES Control FM basic configuration, with software support for 18 loops.

The FlexES Control expansion can, however, also be adapted to individual requirements by using separately provided components. Depending on the system's design, it might be necessary to use an expansion housing unit for the batteries and an additional power supply unit. The FlexES System provides a Master & Slave Control Module (CPU), galvanically isolated loop modules and up to three cascadable and redundant power supply units each with 150 W (same or different main). As well it's delivered with a dust filter, which is proven in use in typical applications with dust-laden environment and/or sanddust regions.

Technical Data

| | |
|--------------------------------------|---|
| Rated voltage | 230 V AC 110 ... 230 V AC |
| Rated frequency | 50 Hz ... 60 Hz |
| Rated current | 0.8 A |
| Output voltage | 24 V DC |
| Quiescent current | approx. 192 mA (base model w/o display and operating unit) approx. 348 mA (base model with display and operating unit) |
| Current consumption for ext. devices | 3 A |
| Battery capacity | 4 x 12 V / 24 Ah |
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -10 °C ... 50 °C |
| Air humidity | < 95 % (non-condensing) |
| Type of protection | IP 30 |
| Housing | ABS, 10% glass fiber reinforced, V - 0 |
| Color | gray, similar to Pantone 538 |
| Weight | approx. 15.1 kg (incl. neutral front) approx. 17 kg (incl. operating unit) |
| Dimensions | W: 450 mm H: 960 mm D: 185 mm |

- Expandable to a maximum of eighteen module slots via optional extension module carriers.
- Space for required batteries in one or several extension housings.

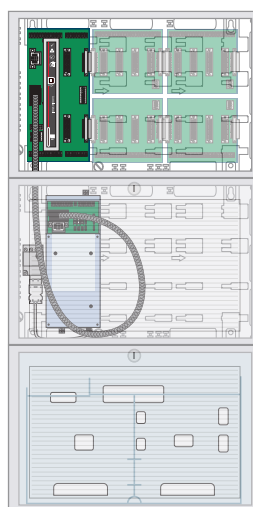
The following external printers could be switched on FlexES Control:

- Epson LQ300
- MEFA (Part No. FX808353, FX808354)

Optionally: the display and operating unit, labeling set or the neutral front must be ordered separately.

Max. 18 micromodules, up to 18 esserbus analog loops and expandable up to 127 loop devices (per loop) in mixed mode / loop powered and non-loop powered (system supports up to 2,286 digital loop addresses in total).

- Set includes 1 x power supply module, 1 x plugin connection cable, 1 x PS connection module, 1 x rear panel 1, 1 x control module, 1 x housing frame and 1 x base module carrier, 1 x set air filter

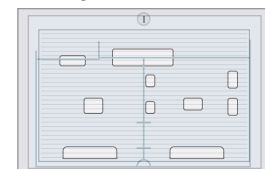


FlexES Control FX18

Please order separately:
Display and operating unit
or neutral front



Extension housing
including neutral front



max. 2 x 12 V/24 Ah

FX808324.IN

NEW**Features**

- Capacitive keyboard for touch sensitive operation
- Program-controlled night design with interactive keyboard menu
- Access level via access codes
- Freely programmable function keys with operating macros for supplementary functions
- 5.7" monochrome display

Display and operating unit with 5.7" display FM**Approval: FM**

Operating front including mounting frame and housing lock for display and operation of a fire alarm panel or a fire alarm system. Capacitive keys and hidden-until-lit-status indicators for intuitive operation during status changes. Operator password via access codes for all levels, with menu navigation display in different operation levels.

Technical Data

| | |
|---------------------|--|
| Operating voltage | 24 V DC |
| Quiescent current | approx. 156 mA |
| Resolution | 320 x 240 pixel |
| Ambient temperature | -5 °C ... 45 °C |
| Housing | ABS, 10% glass fiber reinforced, V - 0 |
| Color | black, similar to RAL9005 |
| Weight | approx. 1 kg |
| Dimensions | W: 450 mm H: 320 mm D: 30 mm |



Built into front frame including labeling set GB, housing lock, hinge unit and mounting material.

FX808322



Extension module carrier 1

Approval: VdS, FM

Module carrier in plastic mounting tray for up to four modules with plug-in terminals. The modules automatically lock when plugged in and can be exchanged without using any tool. When the extension module carrier 1 is set up horizontally, the terminals are facing upwards; when set up vertically, the terminals face to the left.

Technical Data

| | |
|------------|------------------------------|
| Weight | approx. 175 g |
| Dimensions | W: 170 mm H: 120 mm D: 25 mm |

FX808323



Extension module carrier 2

Approval: VdS, FM

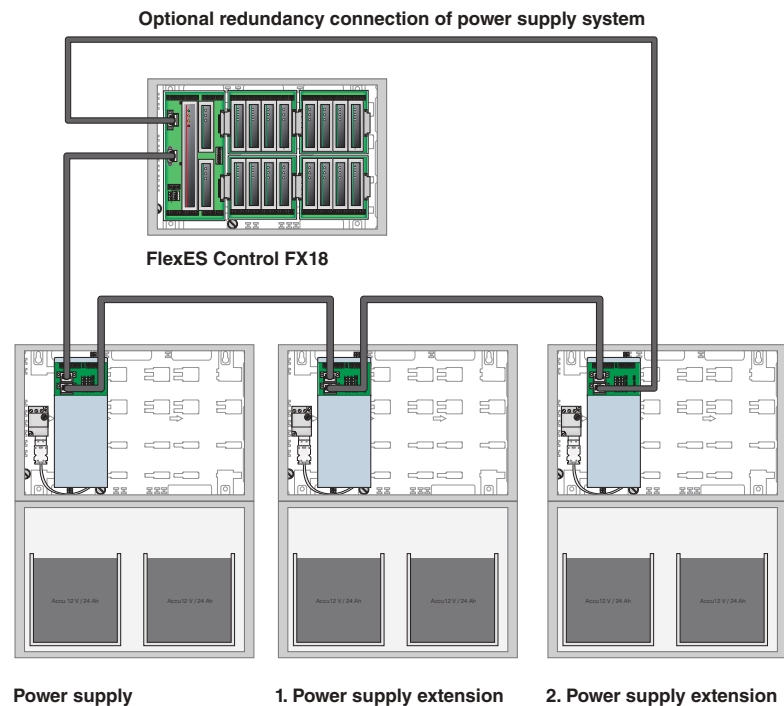
Module carrier in plastic mounting tray for up to four modules with plug-in terminals. The modules automatically lock when plugged in and can be exchanged without using any tool. When the extension module carrier 2 is set up horizontally, the terminals are facing downwards; when set up vertically, the terminals face to the right.

Technical Data

| | |
|------------|------------------------------|
| Weight | approx. 175 g |
| Dimensions | W: 140 mm H: 120 mm D: 25 mm |

A maximum of 450 W is available at 24 V per panel by “cascading” power supply modules. Each power supply module can monitor and charge 2 x 2 batteries 12 V/24 Ah or 12 V/12 Ah fulfilling the required emergency power buffering time by EN 54-4. A maximum battery capacity of 24 V/48 Ah per power supply is available, which may be increased up to 144 Ah with three power supply modules. Thus, the system has sufficient energy reserves for alarm zones, fire protection equipment and indicating devices, line smoke and heat detectors as well as other detection and control equipment of the system.

Optionally, the power supply can be installed in a redundant ring wiring. A “three-phase supply” (400 V) is also possible offering the advantage of separate phase supply for each power supply module. Even in the event of a loss of one phase, two more power supplies are still available to supply the system.



FX808363.IN

Power supply extension FM 24 V/12 Ah

NEW**Approval: FM**

Auxiliary power supply to expand the system's internal power supply. The auxiliary power supply supplements the existing panel power supply via a pluggable wiring with an additional 150 W. Two 12 V/12 Ah batteries, are located in the housing. Two 12 Ah batteries can be connected via an additional FX808314 housing.

Technical Data

| | |
|--------------------------------------|--|
| Rated voltage | 230 V AC |
| Rated frequency | 50 Hz ... 60 Hz |
| Rated current | 0.7 A |
| Output voltage | 24 V DC |
| Output current | max. 6 A (total) |
| Current consumption for ext. devices | 3 A |
| Battery capacity | 4 x 12 V / 12 Ah (max. 4 x 12 V/12 Ah) |
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -10 °C ... 50 °C |
| Air humidity | < 95 % (non-condensing) |
| Type of protection | IP 30 |
| Housing | ABS, 10% glass fiber reinforced, V - 0 |
| Color | gray, similar to Pantone 538 |
| Weight | approx. 6.2 kg |
| Dimensions | W: 450 mm H: 320 mm D: 185 mm |

**Optional modules:**

018011 batteries, max. 2 x 12 V/12 Ah (24 V/12 Ah)

FX808314 battery expansion enclosure for 4 x 12 V/12 Ah

Only the same types of batteries (manufacturer, date of manufacture, capacity, state of charge) may be connected to a power supply module.

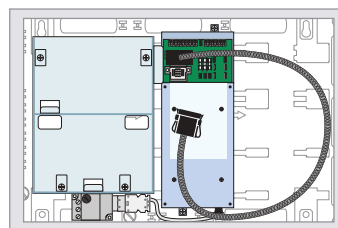
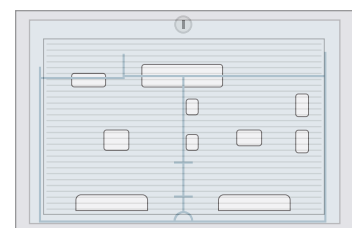


Expansion included 1 x rear panel, 1 x housing frame, 1 x battery holder for 2 x 12 V/12 Ah (including support EVA), 1 x power supply module 24 V DC/150 W, 1 x Neutral Front (Front of enclosure without display and control elements) and 1 x pluggable connection cable.

Accessories

FX808330 3-way plug

FX808455 Cable EC cascading 2.5 m

Power supply extension 24 V/12 Ah**Option: Extension housing incl. neutral front**

max. 2 x 12 V/12 Ah

FX808364.IN

NEW**Power supply extension FM 24 V/24 Ah****Approval: FM**

Auxiliary power supply to expand the system's internal power supply. The auxiliary power supply supplements the existing panel power supply via a pluggable wiring with an additional 150 W. Two 12 V/24 Ah batteries, are located in the lower housing. Two 24 Ah batteries can be connected via an additional FX808313 housing. Additional components can be mounted on DIN rails in the power supply housing.

Technical Data

| | |
|--------------------------------------|--|
| Rated voltage | 230 V AC |
| Rated frequency | 50 Hz ... 60 Hz |
| Rated current | 0.8 A |
| Output voltage | 24 V DC |
| Output current | max. 6 A |
| Current consumption for ext. devices | 3 A |
| Battery capacity | 4 x 12 V / 24 Ah (max. 4 x 12 V 24 Ah) |
| Ambient temperature | -5 °C ... 45 °C |
| Storage temperature | -10 °C ... 50 °C |
| Air humidity | < 95 % (non-condensing) |
| Type of protection | IP 30 |
| Housing | ABS, 10% glass fiber reinforced, V - 0 |
| Color | gray, similar to Pantone 538 |
| Weight | approx. 10.3 kg |
| Dimensions | W: 450 mm H: 640 mm D: 185 mm |

**Optional modules:**

018006 batteries, max. 2 x 12 V/24 Ah (24 V/24 Ah)

FX808313 battery expansion enclosure for 2 x 12 V/24 Ah

Only the same types of batteries (manufacturer, date of manufacture, capacity, state of charge) may be connected to a power supply module.

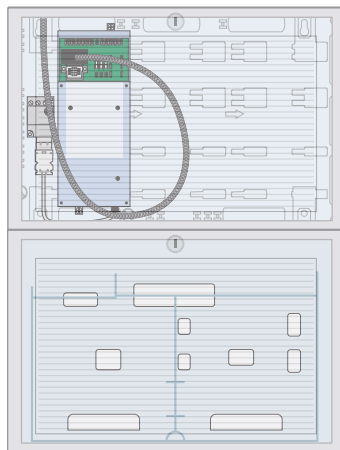
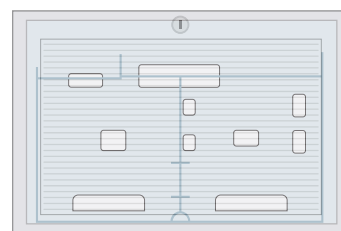


Expansion included 1 x rear panel, 1 x housing frame, 1 x power supply module 24 V DC/150 W, 1 x Neutral Front (Front of enclosure without display and control elements), 1 x expansion enclosure for two accumulators including Neutral front and 1 x pluggable connection cable.

Accessories

FX808330 3-way plug

FX808455 Cable EC cascading 2.5 m

Power Supply Extension 24 V / 24 Ah**Option: Expansion housing incl. neutral front**

max. 2 x 12 V / 24 Ah



The industry-typical set-up of the new cabinet construction system enables a space-saving design of the FlexES Control FACP for all conceivable applications.

However, due to the large number of possible configurations, no generally valid manufacturer conformity can be designed.

For this reason, a total of eleven different configuration options have been predefined.

These are already pre-tested and must be implemented in this form in order to ensure manufacturer conformity in accordance with construction product guidelines.

If the components are integrated into an equipment cabinet independently by an installer, this installer must declare the conformity.

For this purpose, we provide the installer with a certification form, which must be completed and returned to the operator.

To order an equipment cabinet, regardless of whether the assembly is carried out by ESSER by Honeywell or by the installer, the order must be placed using an appropriate form.

This is available as a download "FlexES order form" in the protected customer area of our website at www.esser-systems.com. Please understand that, in order to comply with the construction

product guidelines, we can only process orders for 19" equipment cabinets, which are available from us together with the completed order form.

The following eleven configuration options can be selected using the order form described above:



Compatible external serial printers for FlexES Control:

- Epson LQ300
- MEFA (Part No. FX808353, FX808354)

| Configuration 1 | Configuration 2 | Configuration 3 | Configuration 4 | Configuration 5 | Configuration 6 |
|--|--|---|---|--|---|
| Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU |
| Control panel drawer with operating unit 1HU | Control panel drawer with operating unit 1HU | Control panel drawer with operating unit 1HU | Control panel drawer without operating unit 1HU | Control panel drawer without operating unit 1HU | Control panel drawer without operating unit 1HU |
| Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU |
| Power supply drawer 5HU | Power supply drawer 5HU | Power supply drawer 5HU | Power supply drawer 5HU | Power supply drawer 5HU | Power supply drawer 5HU |
| Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Power supply drawer 5HU |
| Dummy cover 1HU | Dummy cover 1HU | Dummy cover 1HU | Service drawer 1HU | Dummy cover 1HU | Service drawer 1HU |
| Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU |
| Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU |
| Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU |
| Configuration 7 | Configuration 8 | Configuration 9 | Configuration 10 | Configuration 11 | |
| Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | Dummy cover 5HU | |
| Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU | |
| Control panel drawer FACP without operating unit 1HU | Control panel drawer FACP without operating unit 1HU | Control panel drawer FACP with operating unit 1HU | Control panel drawer FACP with operating unit 1HU | Control panel drawer FACP with operating unit 1HU | |
| Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU | |
| Control panel drawer FACP 2 without operating unit 1HU | Control panel drawer FACP 2 without operating unit 1HU | Control panel drawer FACP 2 with operating unit 1HU | Control panel drawer FACP 2 with operating unit 1HU | Control panel drawer FACP 2 without operating unit 1HU | |
| Power supply drawer FACP 2 5HU | Power supply drawer FACP 2 5HU | Power supply drawer FACP 2 5HU | Power supply drawer FACP 2 5HU | Power supply drawer FACP 2 5HU | |
| Dummy cover 5HU | Power supply drawer FACP 2 5HU | Power supply drawer FACP 2 5HU | Power supply drawer FACP 2 5HU | Power supply drawer FACP 2 5HU | |
| Power supply drawer FACP 5HU | Power supply drawer FACP 5HU | Power supply drawer FACP 5HU | Power supply drawer FACP 5HU | Power supply drawer FACP 5HU | |
| Dummy cover 5HU | Power supply drawer FACP 5HU | Dummy cover 5HU | Power supply drawer FACP 5HU | Power supply drawer FACP 5HU | |
| Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU | Dummy cover 2HU | |

FX808430.18R.IN

NEW



Heavy-duty drawer FM with software release for 18 analog loops (7 HU)

Approval: FM

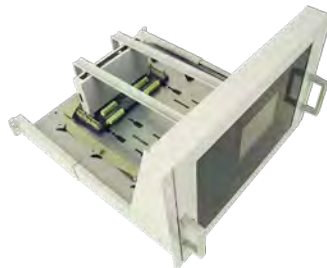
Heavy-duty drawer on ball-bearing metal rails incl. base module carrier and control module for up to four expansion module carriers. The control module is designed for an expansion of max. 18 analog loops.



Display and operating front must be ordered separately.



1 x heavy-duty drawer including installation accessories, 1 x control module for 18 loop modules FM, incl. 2 x fasteners.



Application example with HMI

FX808324.19.IN

NEW



Display and operating unit for FlexES Rack FM (7 HU)

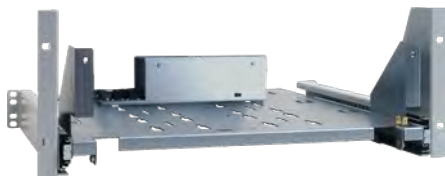
Approval: FM

Operating unit front, including tilting assembly frame for display and operation of the fire alarm control panel or a fire alarm system.

Capacitive keys and backlit status displays for intuitive operation in the event of a change of status. Operating release through access codes for all levels, with menu-driven display at different operating levels.

FX808431.IN

NEW



Heavy-duty drawer FM with power supply unit (5 HU)

Approval: FM

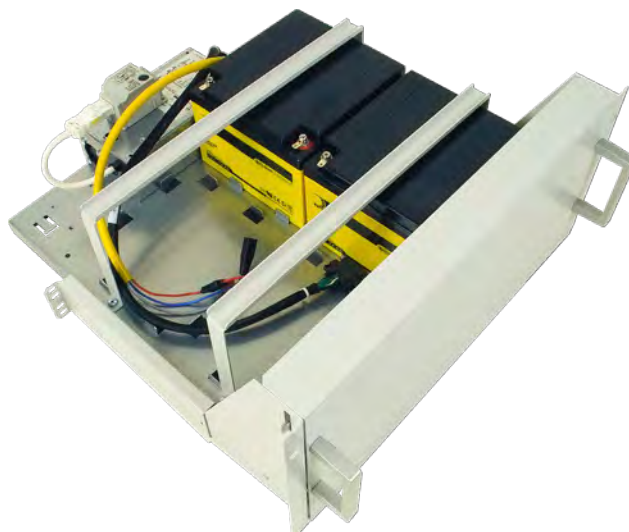
Heavy-duty drawer on ball-bearing metal rails with power supply module and space for up to four batteries 12 V/24 Ah.



Dummy cover for heavy-duty drawer PSU (5 HU) must be ordered separately.



1 x Heavy-duty drawer FM incl. installation material, 1 x Power supply module (PSM) 24 V DC / 150 W with plug-in connection cable (FX808326)



Application example with HMI

FX808432

Expansion module carrier 1 for preconfigured cabling



Approval: VdS, FM

Module carrier in plastic mounting tray for up to four modules. The connection to the relocated plug-in terminal is made over a preconfigured plug-in cable.

 Max. two module carrier 1 can be inserted.

FX808433

Expansion module carrier 2 for preconfigured cabling



Approval: VdS, FM

Module carrier in plastic mounting tray for up to four modules. The connection to the relocated plug-in terminal is made over a preconfigured plug-in cable.

 Max. two module carrier 2 can be inserted.

FX808434

Mounting rail set for connection terminals




Approval: VdS, FM

Four cut-to-length hat rails for mounting connection terminals, transponders, fuses etc. in a 19" housing.

Technical Data

Dimensions

L: 485 mm (hat rails)

 Delivery incl. mounting material to fix the mounting rails in the rack housing.


FX808435

Cable connection terminal for 4 module slots



Approval: VdS, FM

2 m cable connection terminal for wiring connection of esserbus/esserbus-PLus (up to 4 modules) to expansion module carrier.

 Incl. pluggable 2 m connection cable between expansion module carrier and the connection terminal


FX808436

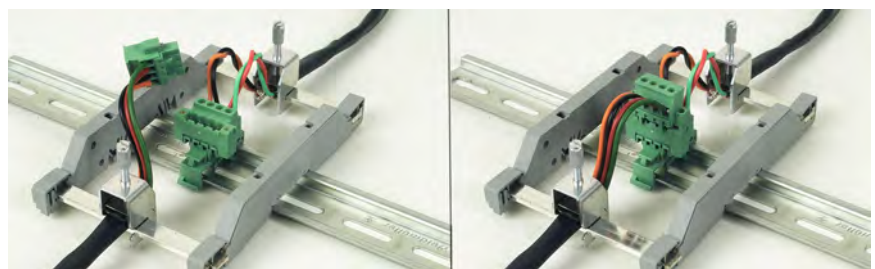
Cable connection terminal for essernet modules



Approval: VdS, FM

2 m cable connection terminal for wiring connection of the essernet with 62.5 kBd or 500 kBd transfer rate.

 Incl. pluggable 2 m connection cable between expansion module carrier and the connection terminal



FX808437

Connection terminal for UBext

**Approval: VdS, FM**

For external power supply of the periphery over screw-type terminals.



Incl. pluggable connection cable between power supply adapter and connection terminal.

FX808438

Connection terminal for 230 V and 400 V mains power supply

**Approval: VdS, FM**

In compliance with VDE 0100 a one- or three-phase mains connection supplies up to three power supply modules in the same housing.

FX808439

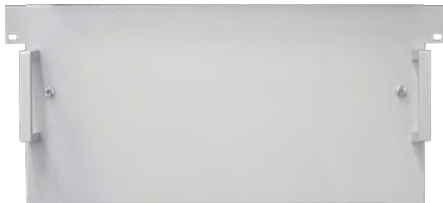
Service drawer (1 HU)

**Approval: VdS, FM**

Space-saving, ball-bearing-mounted drawer to house programming equipment during servicing and commissioning.

FX808440

Dummy cover for heavy-duty drawer PSU (5 HU)

**Approval: VdS, FM**

Dummy cover with 5 HU to cover the heavy-duty drawer (only for FlexES Control racks for Power Supply Unit and batteries) incl. mounting material with two handles.

FX808449.IN

Certification set for FlexES Rack FM

NEW**Approval: FM**

1 x installation manual rack mounting, 1 x check list rack mounting, 1 x installation manual for components

 Only FOC is allowed to be used in essernet for a FM approved system.

FX808328.RE.IN

NEW




Redundant control module FM for FlexES Control

Approval: FM

Control module for redundant configuration for increased availability of FlexES Control FM in accordance with DIN VDE 0833-2, ÖNORM F3000, and TRVB S123. Automatic switching-related functions in case of failure of the central processing unit.

Technical Data

| | |
|------------|------------------------------|
| Weight | approx. 270 g |
| Dimensions | W: 27 mm H: 202 mm D: 112 mm |

 EMC emissions: In redundant mode, class A is achieved for individual applications in accordance with EMC Directive 2004/108/EC.

FX808332



Loop card esserbus/esserbus-PLUS module GI for FlexES Control

Approval: VdS, CNBOP, FM

Module in plastic protective housing for connection of an esserbus / esserbus-PLUS loop, but with galvanic isolation (GI). The galvanic isolation ensures that any disturbances on one loop do not interfere with the other loops and with the panel itself. Modules are locked mechanically without screws in the slots, just quick & easy. Hot plugging and automatic recognition of modules just by Plug & Play, makes start-up and maintenance easy to handle.

Technical Data

| | |
|-------------------|-----------------------------|
| Operating voltage | 24 V DC |
| Quiescent current | approx. 30 mA |
| Weight | approx. 140 g |
| Dimensions | W: 27 mm H: 93 mm D: 112 mm |

Features

- For a maximum of 127 devices (IQ8Quad intelligent fire detectors, MCP's, detector Series 9200, esserbus transponder or loop-powered signaling devices)
- Loop length up to 3.5 km
- Support of wireless components
- Permanent monitoring of all active detectors, transponders and alarm signaling devices
- Monitoring of the loops for short circuit, wire break and disturbances
- Quick reactivation of the bus-powered signaling devices after short circuiting in compliance with EN 54-13
- Plastic protective housing with LED displays for fast indication of operating status
- Integrated line isolators for two-way line protection in the event of a short circuit
- If more than 4 loop modules are used in a panel, galvanic isolation is required

FX808340



Network card essernet module 62.5 kBd for FlexES Control

Approval: VdS, FM

Network module for up to 16 network devices. Plastic protective housing with LED displays for speedy indication of the operating status.

The transmission is via Token-Passing protocol, similar to DIN 19245-1 (Profibus) with loop topology, interruption and short-circuit tolerance. Modules are locked mechanically without screws in the slots, just quick & easy. Hot plugging and automatic recognition of modules just by Plug & Play, makes start-up and maintenance easy to handle.

Technical Data

| | |
|-------------------|--|
| Operating voltage | 24 V DC |
| Quiescent current | approx. 37 mA |
| Weight | approx. 100 g |
| Cable length | 1000 m |
| Cable | telecommunications cable I Y (St) Y n x 2 x 0.8mm or similar |
| Dimensions | W: 27 mm H: 93 mm D: 112 mm |

FX808341

Network card essernet module 500 kBd for FlexES Control



Approval: VdS, FM

Network module for up to 31 network devices. Plastic protective housing with LED displays for quick summary of the operating status.
The transmission is via Token-Passing protocol, similar to DIN 19245-1 (Profibus) with loop topology, interruption and short-circuit tolerance. Modules are locked mechanically without screws in the slots, just quick & easy. Hot plugging and automatic recognition of modules just by Plug & Play, makes start-up and maintenance easy to handle.

| Technical Data | |
|-------------------|---|
| Operating voltage | 24 V DC |
| Quiescent current | approx. 37 mA |
| Weight | approx. 100 g |
| Cable length | 1000 m |
| Cable | IBM Typ1, Typ1A, Typ2, Typ2A, Typ6, CAT5, CAT6, CAT7 or similar |
| Dimensions | W: 27 mm H: 93 mm D: 112 mm |

Automatic intelligent fire detectors with high reliability and low power consumption used for premises and items of property with medium and high concentration of valuable assets

Detector Series IQ8Quad features, system advantages

- Designed for optimal operation on System 8000 and IQ8Control fire alarm systems
- With multisensor fire detectors for the detection of all types of fires, even under the most difficult operating conditions and with 360° LED visibility in Alarm
- Detector with and without loop isolators

Different options of installation

- Wiring in loop and spur combination
- Maximum number of detectors with cable lengths of up to 3,500 m with installation cable for fire detection, e.g. cables I-Y(St)Yn x 2 x 0.8 mm
- Up to 127 detectors and detector zones per loop installation
- Up to 32 detectors per zone

Easy commissioning

- Automatic detector addressing
- Fixed address assignment of detector location, even after detectors have been replaced or added
- Localization of wire breaks and short circuits on loop
- Detector-LED used as alarm indicator and as an indicator for detectors in service
- Adaptation to changing operating conditions
- Dedicated LED for indicating operation (green LED)
- Disconnection of individual detectors, detector zones and detection areas
- Disconnection of individual sensors or several sensors at once within a multisensor fire detector; either manually or depending on programmed time of the day

Automatic adaptation to varying environmental conditions

- Compensation of changing levels of air pressure, humidity, smoke concentration according to the double chamber principle
- Electronic compensation also called drift-compensation of long-term influences like aging or pollution

Reliable detection

- Constant alarm sensitivity of multisensor fire detector for all types of fire
- Large signal to noise ratio due to the special design of the sensors and the electronics to suppress electromagnetic interference
- With built-in insect screen and sealed against rear air flow entry

Reliable false alarm suppression

- High immunity against false alarms by means of timed evaluation of different sensor criteria
- Signal patterns not typical for fires are eliminated by using special filter algorithms
- Automatic self-monitoring of detector electronics
- Continuous loop monitoring even during short-circuits through isolating the relevant segment
- Automatic monitoring of all sensors to guarantee operational capacity and correct condition

Increased operating reliability

- Short-circuit and wire break tolerant through monitoring from both ends of the loop
- Alarm decision inside detector
- Fail-safe circuit activated if communication fails

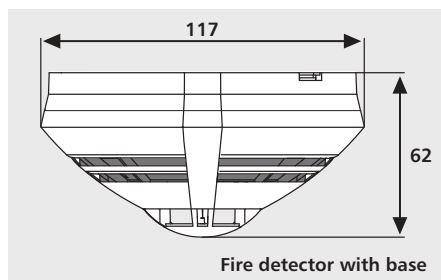
Maintenance

- Automatic maintenance request
- Heat detector identification through a black circle on the light transmission plate
- Multisensor gas detector identification through a golden loop on the circle transmission plate
- Operating time-, alarm- and fault counter in each detector
- Automatic, cyclic loop check
- Complete status interrogation from the control panel
- Interrogation of operating data from all detectors on loop via standard service PC and detector interface

Comprehensive range of accessories

- Standard detector base and relay base
- Base adapter for ceiling mounting
- Dust cover for fire detector or detector base
- Kit for suspended ceiling mounting
- Wireless / RF base

Addressable Detectors w/o Integrated Alarm Devices

**Technical Data****Common technical data:**

| | |
|---|---------------------------------------|
| Alarm current w/o communication curtain | 18 mA |
| Air velocity | 0 m/s ... 25.4 m/s |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 43 (incl. base + option) |
| Material | PC / ABS |
| Color | white, similar to RAL 9010 |
| Weight | approx. 110 g |
| Dimensions | Ø: 117 mm H: 49 mm (62 mm incl. base) |

 Special colors on demand.

 Without detector base

Accessories

767800 Mounting bracket

805590.IN Standard detector base for IQ8Quad FM

805591.IN Detector base with relay contact for IQ8Quad FM

802171.IN**NEW****Fixed heat detector IQ8Quad FM with isolator****Approval: VdS, BOSEC, FM**

Automatic heat detector with fast semiconductor sensor to guarantee reliable detection of fires with strong heat generation. Intelligent fire detector with decentralized intelligence, automatic function self-test, CPU failure mode, alarm and operating data memory, alarm indicator, soft-addressing and operating indication.

The detector is provided with an integrated isolator. A parallel detector indicator can be connected.

Technical Data

| | |
|----------------------------------|--|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 40 µA |
| Quiescent current @ FACP battery | approx. 160 µA @ 27,5 V approx. 220 µA @ 42 V |
| Area to be monitored | 30 m² |
| Height to be monitored | 7.5 m |
| Application temperature | -20 °C ... 50 °C |
| Detector specification | EN 54 - 5 A1S / -17 |

 Special marking for heat detector on the light pipe: black ring.

802177.IN**NEW****Fixed heat detector IQ8Quad FM , Class B (T +65 °C), with isolator****Approval: VdS, FM**

Same as 802171.IN, but for increased operating temperature according to EN 54-5 class B.

Technical Data

| | |
|----------------------------------|--|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 40 µA |
| Quiescent current @ FACP battery | approx. 160 µA @ 27,5 V approx. 220 µA @ 42 V |
| Area to be monitored | 30 m² |
| Height to be monitored | 6 m |
| Application temperature | -20 °C ... 65 °C |
| Detector specification | EN 54-5 BS / -17 |
| Declaration of Performance | DoP-20411130701 |

 Special marking for heat detector on the light pipe: black ring.

802371.IN

NEW**Optical smoke detector IQ8Quad FM with isolator****Approval: VdS, CNBOP, BOSEC, FM**

Optical smoke detector to guarantee safe and early detection of fire. Intelligent fire detector with decentralized intelligence, automatic function self-test, CPU failure mode, alarm and operating data memory, alarm indicator, soft-addressing and operating indication. The detector is provided with an integrated isolator. A parallel detector indicator can be connected.

Technical Data

| | |
|----------------------------------|--|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 50 µA |
| Quiescent current @ FACP battery | approx. 200 µA @ 27,5 V approx. 280 µA @ 42 V |
| Area to be monitored | 110 m ² |
| Height to be monitored | 12 m |
| Application temperature | -20 °C ... 72 °C |
| Detector specification | EN 54-7 / -17 |
| Declaration of Performance | DoP-20104130701 |

802375.IN

NEW**OT^{blue} multisensor detector IQ8Quad FM with isolator****Approval: VdS, FM**

Multisensor with integrated optical detector and heat detector. The optical measurement chamber is provided with a newly developed sensor technology, enabling the detection of open fires, smouldering fires and fires with high heat generation. Especially for open fires, the classical ionization technology implemented in ionization detectors is replaced by the new detection technology. The detector is capable of identifying the TF1 and TF6 test fires described in the EN 54-9:1982 specification.

The OT^{blue} multisensor is an intelligent detector with time-related signal analysis, signal correlation of the sensor data, decentralized intelligence, automatic function self-test, CPU failure mode, automatic adaptation to environmental conditions, alarm and operating data memory, alarm indicator and soft-addressing.

The detector is provided with an integrated isolator and a parallel detector indicator can be connected.

Technical Data

| | |
|----------------------------------|--|
| Operating voltage | 9 ... 42 V DC |
| Quiescent current @ 19 V DC | 50 µA |
| Quiescent current @ FACP battery | approx. 200 µA @ 27,5 V approx. 280 µA @ 42 V |
| Area to be monitored | 110 m ² |
| Height to be monitored | 12 m |
| Application temperature | -20 °C ... 50 °C |
| Detector specification | EN 54-7/-5 A2 /-17, CEA 4021 |
| Declaration of Performance | DoP-20113130701 |

802374.IN

NEW**O²T multisensor detector IQ8Quad FM with isolator****Approval: VdS, BOSEC, FM**

Multisensor detector provided with two built-in optical smoke sensors with different scattered light angles as well as additional heat detector sensor evaluation to guarantee the detection of different types of fire from smouldering fires to open fires with constant sensitivity level. Smoke sensor signal identification to ensure smoke classification and reduction of deceptive alarms caused, for instance, by water vapor or dust.

Because of its excellent detection characteristics, the detector is also able to identify the standardized TF1 and TF6 test fires. The O²T multisensor detector is also suitable for applications with higher temperatures of up to +65 °C. The detector is provided with an integrated isolator. A parallel detector indicator can be connected.

Technical Data

| | |
|----------------------------------|--|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 60 µA |
| Quiescent current @ FACP battery | approx. 230 µA @ 27,5 V approx. 330 µA @ 42 V |
| Area to be monitored | 110 m ² |
| Height to be monitored | 12 m |
| Application temperature | -20 °C ... 65 °C |
| Detector specification | EN 54-7/-5 B /-17, CEA 4021 |
| Declaration of Performance | DoP-20105130701 |

802473.IN

NEW**OTG multisensor detector (CO) IQ8Quad FM with isolator****Approval: VdS, FM**

Multisensor detector with integrated smoke detector, heat detector and gas sensor (CO) for preventive and early detection of fires ranging from smouldering fires to open fires through combined evaluation of scattered light, temperature and gas. An alarm is actuated at carbon monoxide (CO) concentration levels that are life-threatening for humans. The detector is provided with an integrated isolator. A parallel detector indicator can be connected.

Technical Data

| | |
|----------------------------------|--|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 65 µA |
| Quiescent current @ FACP battery | approx. 225 µA @ 27,5 V approx. 360 µA @ 42 V |
| CO pre-alarm | 75 ppm |
| CO alarm | 100 ppm |
| Area to be monitored | 110 m ² |
| Height to be monitored | 12 m |
| Application temperature | -20 °C ... 50 °C |
| Detector specification | EN 54-7/-5 A2 /-17, CEA 4021 |
| Declaration of Performance | DoP-20115130701 |



In the course of installation, we recommend testing the integrated CO sensor with our CO test gas (Part No. 805583) or CO capsule (Part No. 805553).

Durability CO sensor: 5 years

Technical alarm range CO: 10 ppm ... 150 ppm

Gas sensors (CO) mainly react to the carbon monoxide arising from a fire (CO). They have, however, also a cross sensitivity to other gases, as for example hydrogen (H₂), acetylene (C₂H₂) or nitric oxide (NO).

Special marking for gas detector on the light pipe: golden ring.

802271.IN

NEW**Rate-of-rise heat detector IQ8Quad FM with isolator****Approval: VdS, BOSEC, FM**

Automatic heat detector with fast semiconductor sensor to guarantee reliable detection of fires with rapidly rising temperatures and integrated fixed temperature function for the detection of fires with slowly rising temperatures. Intelligent fire detector with decentralized intelligence, automatic function self-test, CPU failure mode, alarm and operating data memory, alarm indicator, soft-addressing and operating indication.

The detector is provided with an integrated isolator. A parallel detector indicator can be connected.

Technical Data

| | |
|----------------------------------|--|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 40 µA |
| Quiescent current @ FACP battery | approx. 160 µA @ 27,5 V approx. 220 µA @ 42 V |
| Area to be monitored | 30 m ² |
| Height to be monitored | 7.5 m |
| Application temperature | -20 °C ... 50 °C |
| Detector specification | EN 54-5 A1 / -17 |
| Declaration of Performance | DoP-20103130701 |



Special marking for heat detector on the light pipe: black ring.

Base Series IQ8Quad FM

805590.IN

NEW

Features

- Large space for wiring
- Automatic closing of the ring bus in detector removal
- Detector removal contained in the socket

Standard detector base IQ8Quad, ES Detect FM

Approval: FM

Technical Data

Common technical data:

| | |
|-------------------------|---|
| Connection terminal | Ø 0.6 mm to 2 mm ² |
| Application temperature | -20 °C ... 72 °C |
| Storage temperature | -25 °C ... 75 °C |
| Material | PC / ABS |
| Color | white, similar to RAL 9010 |
| Weight | approx. 60 g |
| Dimensions | Ø: 117 mm H: 24 mm (incl. detector 62 mm) |



Cable entry at the side or through the bottom plate.
To loop existing cores, WAGO clamps, for example, type 243-204 (Ø 0.5 mm Ø 1.0 mm) or 273-104 (0.75 mm²-2.5 mm²) may be used.

805591.IN

NEW

Features

- Large space for wiring
- Automatic closing of the ring bus in detector removal
- Detector removal contained in the socket

Detector base with relay contact for IQ8Quad FM

Approval: FM

Detector base with relay contact output, for detector family IQ8Quad FM. Contact: Floating NO or NC selectable by jumper, factory setting: NC.

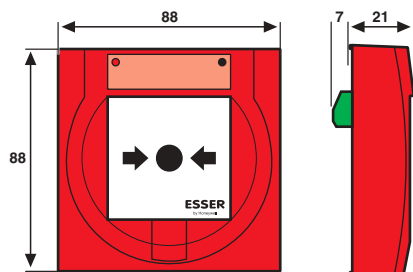
Technical Data

Common technical data:

| | |
|-------------------------|---|
| Current consumption | 5 µA (w/o detector, active relay) |
| Connection terminal | Ø 0.6 mm to 2 mm ² |
| Application temperature | -20 °C ... 72 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % (non-condensing) |
| Material | PC / ABS |
| Color | white, similar to RAL 9010 |
| Weight | approx. 80 g |
| Dimensions | Ø: 117 mm H: 24 mm (incl. detector 62 mm) |



Cable entry at the side or through the bottom plate.
To loop existing cores, WAGO clamps, for example, type 243-204 (Ø 0.5 mm Ø 1.0 mm) or 273-104 (0.75 mm²-2.5 mm²) may be used.



Features

- Slimline design
- Low power consumption
- Plug-in connection terminals (two direction)
- Optional terminal terminals
- Triple key function (test, open, reset)
- Detectors that are not ready for operation can be marked with the "Out of order" label by reversing the enclosed glass pane

The manual call points meets the latest multi-cultural requirements of the EN 54 - 11 standards as type A (single action). The elegant housing is provided with a pictogram, which can be understood by children as well as in an international context.

Depending on individual requirements, the pictogram can be easily replaced by optional labeling field foils without using additional tools for removal. The actuation field is marked by arrows pointing towards it. The innovative manual call points can be tested by using the key to activate the triggering mechanism, which is hidden by a faceplate. Smart housing and terminal design enables easy installation.

Technical Data

Common technical data:

| | |
|---|--|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 45 µA |
| Alarm current w/o communication curtain | 18 mA |
| Operation indicator | LED, green |
| Alarm display | red LED and yellow actuation indicator |
| Connection terminal | max. 2.5 mm ² (AWG 26-14) |
| Application temperature | -20 °C ... 70 °C |
| Storage temperature | -30 °C ... 75 °C |
| Color | red, similar to RAL 3020 |
| Weight | approx. 110 g |
| Detector specification | EN 54-11, type A |
| Dimensions | W: 88 mm H: 88 mm D: 21 mm W:88 mm H: 88 mm D: 57 mm (with surface mount housing) |



If the glass pane is replaced with the optionally available plastic pane with reset function, the MCP can be reset from the outside using the key.

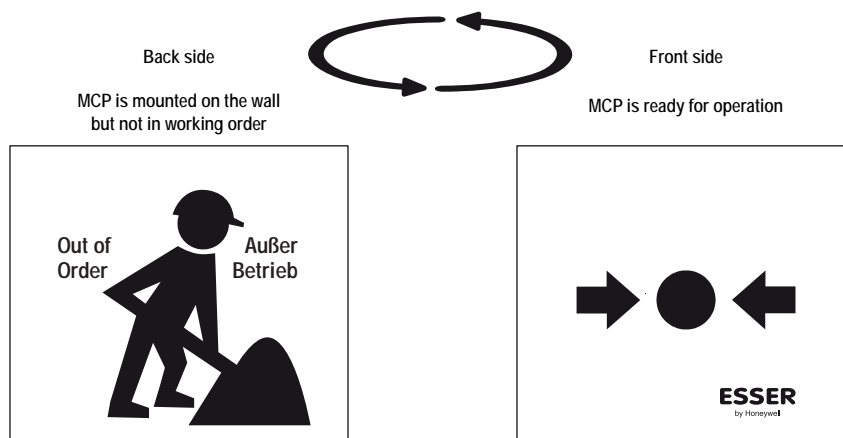
For the surface mounting of the MCP the surface mount base Part No. 704980 must be ordered separately, if the cable wasn't laid about a standard flush mount wall socket.

Type a definition - single action in accordance with EN 54-11 § 3.4.1

(excerpt taken from EN standard):

Manual fire alarm unit, for which the alarm status is automatically set (additional alarm triggering is not required) after the fragile element has been broken or its position has been changed.

Reversible glass pane with printed foil on both sides



804971.IN

NEW



IQ8MCP compact FM, small, red with isolator and glass pane

Approval: VdS, CNBOP, FM

Suitable for esserbus and powered loop connection, with soft address coding, alarm latch and alarm indicator. Conventional detectors can be connected to input of the MCP. Without BUS communication, the detector operates as conventional MCP. Detector housing is included. Built in isolators maintaining loop integrity.

Technical Data

| | |
|----------------------------|--|
| No. of detector/zone | max. 127 detectors per loop (according to VdS) |
| Type of protection | IP 43, IP 55 with cover 704965 |
| Housing | PC ASA plastic |
| Declaration of Performance | DoP-20492130701 |



1 x glass pane, 1 x key, 1 x multilingual paper labels with "Out of order" pictogram

Accessories

704980 Surface mount housing

804973.IN

IQ8MCP compact FM, small, red with resettable element

NEW**Approval: VdS, FM**

As 804971.IN but with plastic triggering element, which supports easy reset after an alarm has been triggered without having to replace the broken element (glass pane).
Typically applied in nursery, clean rooms as for example in food processing industries.

Technical Data

| | |
|----------------------|-----------------------|
| No. of detector/zone | max. 127 MCP per loop |
| Type of protection | IP 43 (in housing) |
| Housing | ASA plastic |



1 x plastic operating panel, 1 x key, 1 x multilingual paper insert with "Out of Order" pictogram included

Accessories

704980 Surface mount housing

Professional fire detection systems are expected to provide more than reliable fire detection and signaling alarms to the fire brigade. Over time, the continuous progress in technical units has led to many improvements in monitoring and control systems. At the same time the specifications of the European standards are becoming more and more demanding. These complex requirements towards control and monitoring of individual parts of a unit was reason enough to redesign our assortment of esserbus transponders.

Essentially the assortment consists of the so-called "alarm transponder" which is used for both the connection of non-addressable detectors (point-type detectors, manual detectors and special detectors) as well as for the operation of conventional alarm signaling devices (signaling devices, signal flasher and combination alarm signaling devices). Monitoring of the lines in accordance with the latest standards is ensured via "EOL modules" (end-of-line modules).

Take note, esserbus transponders need ONLY ONE loop address per device, anyway how much inputs or outputs are switched - i.e. in case that more than one input/output per device is needed, this feature reduces the quantity of transponders needed!

808623

esserbus alarm transponder, 4 IN/2 OUT with isolator



Features

- Only one loop address is needed per transponder
 - Digital inputs
 - Integrated loop isolator
 - Conventional connection of standard fire detectors and signaling devices
 - Loop monitoring in compliance with EN 54-13
 - Integrated loop isolator
 - Programmable relay outputs
 - Programmable relay reset function
 - Max. 100 transponders per FACP
 - Max. 31 transponders per loop
 - Max. 127 detector zones per loop
-
- Detector numbers per zone input of the transponder:
 - Max. 30 conventional detectors (without SOC)
 - Max. 10 conventional detectors (with SOC)
 - Max. 10 Manual call points (MCP)
 - Max. 10 Technical Alarm Modules (TAM)
 - Max. 5 audible alarm devices per each output (observe calculation table in tools 8000)

Approval: VdS, FM

The esserbus transponder functions as a device on the multi-functional primary line. The connection of four zones with automatic standard detectors, manual call points (non-addressable) as well as special detectors is possible. In addition, two programmable relay outputs are also available.

Both relay outputs of the transponder may be used to reset a connected third-party detector. The reset function relates to the corresponding special detector, e.g. by switching the appropriate input to GND or by a short interruption of the detectors supply voltage. Therefore, the control mode >Reset-Relay< as well as the desired relay operation mode (normally closed or open) must be configured with the programming software tools 8000 from V1.15 and above. The relay output will be activated for the selected reset time (1 to 14 seconds) if the assigned input (G1 for relay 1/G2 for relay 2) of the transponder is reset. Refer to the detectors manual for the required reset time. Monitoring via the EOL terminating devices (Part No. 808624/808626) is required for the connection of fire detectors and for the controlling of alarm signaling devices. The enclosed resistors can be used to connect the floating contacts.

The esserbus alarm transponder requires an external voltage supply for operation of 4 monitored inputs. An optional Voltage Converter (Part No. 781336) is also required for 12 V DC operation. The esserbus alarm transponder external voltage supply can be monitored during operation. The EOL-I terminating device (Part No. 808626) must be used for standard-compliant monitoring of detector zone inputs. The EOL-O (Part No. 808624) must be used for standard-compliant monitoring of connected alarm signaling devices.

Technical Data

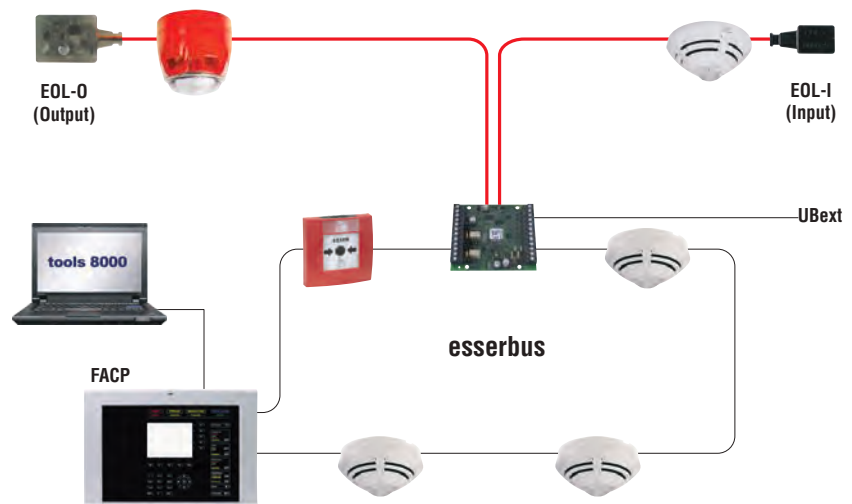
| | |
|-----------------------------|----------------------------|
| Operating voltage | 10 ... 30 V DC |
| Quiescent current @ 12 V DC | approx. 12 mA |
| Current consumption | max. 120 mA @ 12 V DC |
| Contact load relay | 30 V DC / 1 A |
| Ambient temperature | -10 °C ... 50 °C |
| Storage temperature | -25 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 40 (in housing) |
| Weight | approx. 28 g |
| Dimensions | W: 82 mm H: 72 mm D: 20 mm |
| Declaration of Performance | DoP-21057130701 |

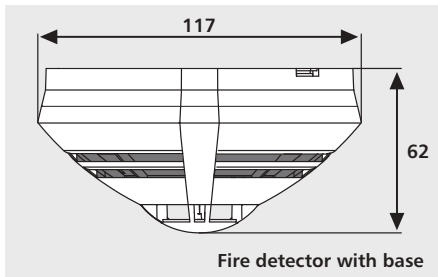


Installation accessory pack

Accessories

- 788603.10 Module housing for snap-on mounting rail
- 788600 Housing surface mount, gray
- 788650.10 Housing surface mount, white
- 788601 Housing flush mount, gray
- 788651.10 Housing flush mount, white
- 781336 DC/DC converter output voltage
- 808624 EOL-O Terminating device
- 808626 EOL-I Terminating device





Automatic intelligent fire detectors with high reliability and low power consumption used for premises and items of property with medium and high concentration of valuable assets

Detector Series IQ8Quad features, system advantages

- Designed for optimal operation on System 8000 and IQ8Control fire alarm systems
- With multisensor fire detectors for the detection of all types of fires, even under the most difficult operating conditions and with 360° LED visibility in Alarm
- Detector with and without loop isolators

Different options of installation

- Wiring in loop and spur combination
- Maximum number of detectors with cable lengths of up to 3,500 m with installation cable for fire detection, e.g. cables I-Y(St)Yn x 2 x 0.8 mm
- Up to 127 detectors and detector zones per loop installation
- Up to 32 detectors per zone

Easy commissioning

- Automatic detector addressing
- Fixed address assignment of detector location, even after detectors have been replaced or added
- Localization of wire breaks and short circuits on loop
- Detector-LED used as alarm indicator and as an indicator for detectors in service
- Adaptation to changing operating conditions
- Dedicated LED for indicating operation (green LED)
- Disconnection of individual detectors, detector zones and detection areas
- Disconnection of individual sensors or several sensors at once within a multisensor fire detector; either manually or depending on programmed time of the day

Automatic adaptation to varying environmental conditions

- Compensation of changing levels of air pressure, humidity, smoke concentration according to the double chamber principle
- Electronic compensation also called drift-compensation of long-term influences like aging or pollution

Reliable detection

- Constant alarm sensitivity of multisensor fire detector for all types of fire
- Large signal to noise ratio due to the special design of the sensors and the electronics to suppress electromagnetic interference
- With built-in insect screen and sealed against rear air flow entry

Reliable false alarm suppression

- High immunity against false alarms by means of timed evaluation of different sensor criteria
- Signal patterns not typical for fires are eliminated by using special filter algorithms
- Automatic self-monitoring of detector electronics
- Continuous loop monitoring even during short-circuits through isolating the relevant segment
- Automatic monitoring of all sensors to guarantee operational capacity and correct condition

Increased operating reliability

- Short-circuit and wire break tolerant through monitoring from both ends of the loop
- Alarm decision inside detector
- Fail-safe circuit activated if communication fails

Maintenance

- Automatic maintenance request
- Heat detector identification through a black circle on the light transmission plate
- Multisensor gas detector identification through a golden loop on the circle transmission plate
- Operating time-, alarm- and fault counter in each detector
- Automatic, cyclic loop check
- Complete status interrogation from the control panel
- Interrogation of operating data from all detectors on loop via standard service PC and detector interface

Comprehensive range of accessories

- Standard detector base and relay base
- Base adapter for ceiling mounting
- Dust cover for fire detector or detector base
- Kit for suspended ceiling mounting
- Wireless / RF base



Intrinsically safe fire detection equipment is defined as "equipment and wiring which is incapable of releasing sufficient electrical or thermal energy under normal or abnormal conditions to cause ignition of a specific hazardous atmosphere mixture in its most easily ignited concentration". This basically means that intrinsically safe equipment and wiring operates using electrical and thermal energy below the level that would be required to spark an explosion in a hazardous area such as an oil refinery, Oil Rigs/Platforms, FPSO's. Fully addressable devices for installation in hazardous areas with direct connection of the Ex barrier (Part No. 804744) on the loop, without spending a loop address for the connection via a transponder as in case of the conventional connection.

Additional detectors for the explosion zones can be found in the chapters manual call points and special detectors.

All of the following FM approved IQ8Quad intrinsically safe fire detectors must be operated with the Part No. 805590.IN base. In the case of operation in standard zones, no individual addressing is possible!

For usage in zone 1 and zone 2 in case of operation

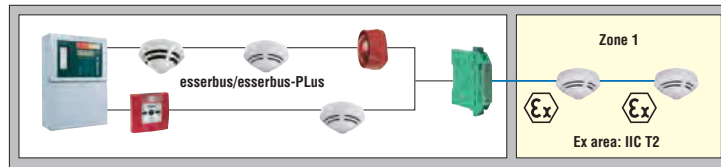
- with individual addressing the Ex barrier Part No. 804744,
- in conventional zones the Ex barrier Part No. 764744 must be used!

The Ex barrier separates intrinsically safe and non-intrinsically safe circuits before the explosion prone area to be monitored (explosion zone).



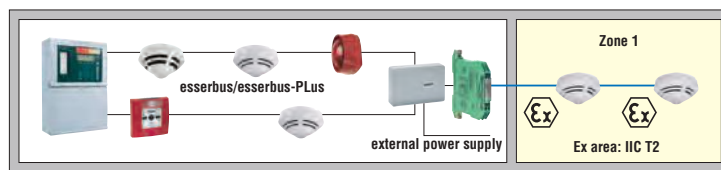
Without detector base

Individual addressable operating



Ex barrier (Part No. 804744)

Conventional operating



Ex barrier (Part No. 764744)



esserbus transponder 4 zone / 2 relay

Application example

Addressable Intrinsically Safe Detectors

803371.EX.IN

NEW

Optical smoke detector Ex (i) IQ8Quad FM without isolator

Approval: VdS, FM

Scattered-light smoke detector for reliable early recognition of fires. Intelligent fire detector with decentralized intelligence, automatic function self-test, emergency mode, storage of alarm and operating data, alarm display. Soft addressing and separate operational display is only possible when operating an esserbus / esserbus-PLus IQ8Quad detector without loop isolator, especially for usage in explosion zones. Operation with individual addressing at Ex-Barrier 804744 and as standard detector at Ex-Barrier 764744.

Technical Data

Common technical data:

| | |
|-----------------------------|---------------------------------------|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 50 µA |
| Alarm current @ 9 V DC | 18 mA |
| Area to be monitored | 110 m² |
| Height to be monitored | 12 m |
| Air velocity | 0 m/s ... 25.4 m/s |
| Application temperature | -20 °C ... 70 °C |
| Storage temperature | -24 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 43 (incl. base + option) |
| Material | PC / ABS |
| Color | white, similar to RAL 9010 |
| Weight | approx. 110 g |
| Detector specification | EN 54-7 : 2006 |
| Dimensions | Ø: 117 mm H: 49 mm (62 mm incl. base) |
| Declaration of Performance | DoP-20914130701 |

Accessories

805590.IN Standard detector base for IQ8Quad FM

803374.EX.IN

NEW

O²T multisensor detector Ex (i) IQ8Quad FM without isolator

Approval: VdS, FM

Intelligent detector with two integrated optical smoke sensors with different scattered-light angles as well as additional heat detector sensor evaluation for the recognition of smouldering fires up to open fires with uniform characteristics. Comparison of the heat sensor signals for smoke classification and reduction of deceptive alarms, e.g. from steam or dust. Due to its excellent detection characteristics, the detector is also able to recognize TF1 and TF6 test fires, described in the standards. The O²T intelligent detector is also suitable for a higher operating temperature of up to +65 °C. Intelligent fire detector with decentralized intelligence, automatic function self-test, emergency mode, storage of alarm and operating data, alarm display. Soft addressing and separate operational display is only possible when operating an esserbus / esserbus-PLus IQ8Quad detector without loop isolator, especially for usage in explosion zones. Operation with individual addressing at Ex-Barrier 804744 and as standard detector at Ex-Barrier 764744.

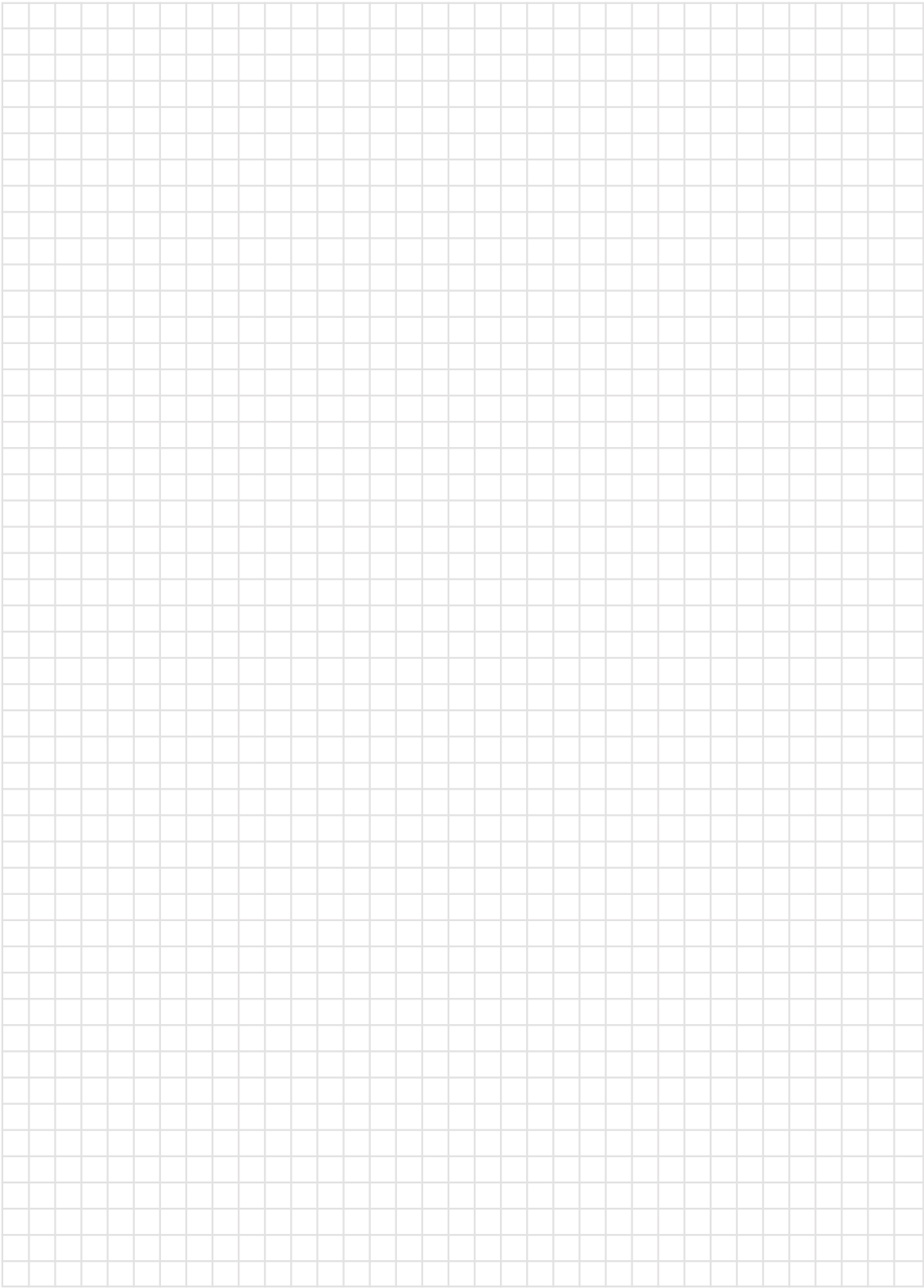
Technical Data

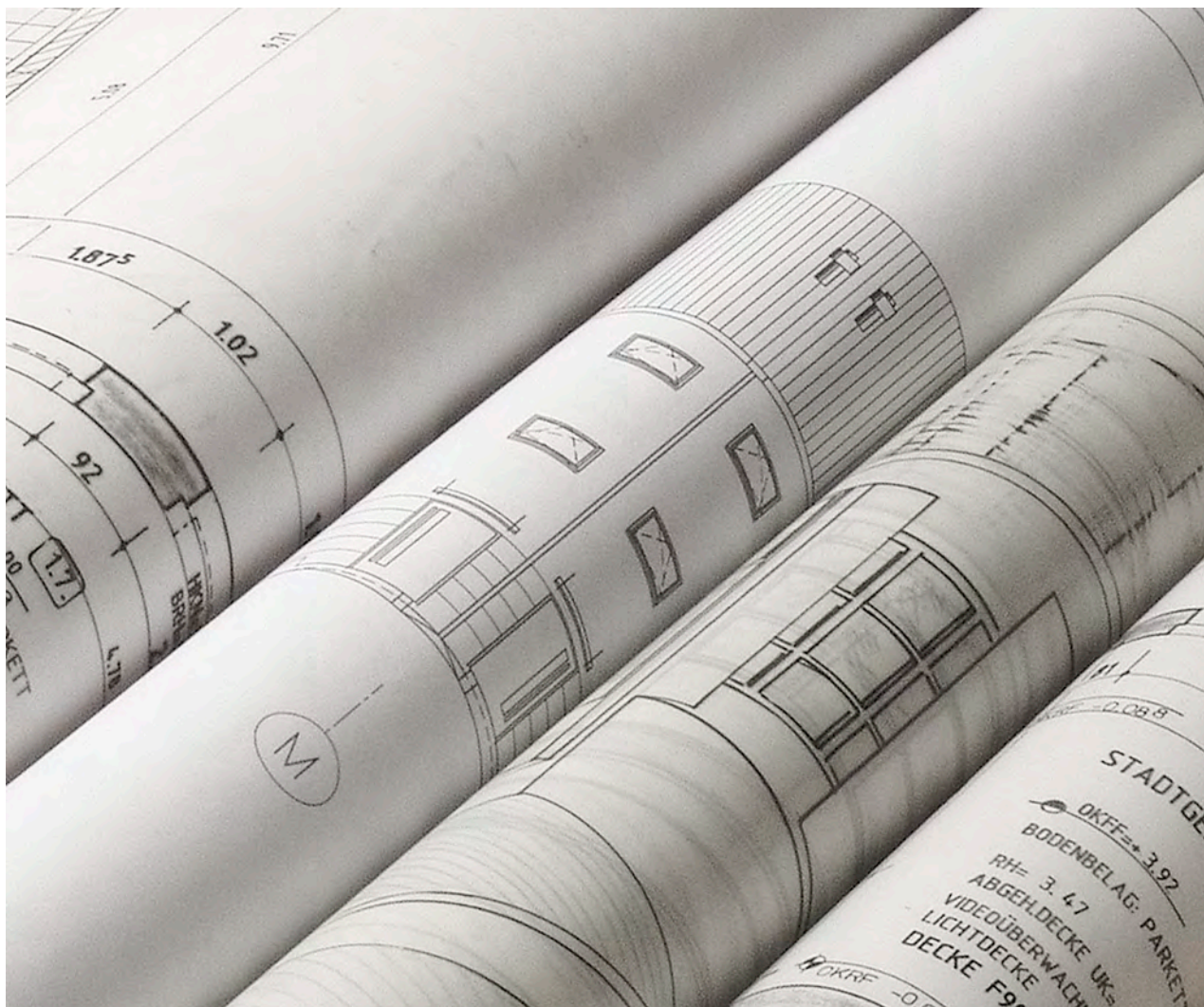
Common technical data:

| | |
|-----------------------------|---|
| Operating voltage | 8 ... 42 V DC |
| Quiescent current @ 19 V DC | 60 µA |
| Alarm current @ 9 V DC | 18 mA |
| Area to be monitored | 110 m² |
| Height to be monitored | 12 m |
| Air velocity | 0 m/s ... 25.4 m/s |
| Application temperature | -20 °C ... 65 °C |
| Storage temperature | -24 °C ... 75 °C |
| Air humidity | < 95 % |
| Type of protection | IP 43 (incl. base + option) |
| Material | PC / ABS |
| Color | white, similar to RAL 9010 |
| Weight | approx. 110 g |
| Detector specification | EN 54-7:2006 / -5B:2000 / A1:2002, CEA 4021 |
| Dimensions | Ø: 117 mm H: 49 mm (62 mm incl. base) |
| Declaration of Performance | DoP-20915130701 |

Accessories

805590.IN Standard detector base for IQ8Quad FM





Appendix

| | |
|----------------|---------|
| Order Forms | 375-381 |
| Part No. Index | 382-385 |
| Keyword Index | 386-392 |

Appendix

Planning Guide

Planning guide for loop installation

This is a planning guide for loop-powered alarm devices.

The alarm current of each alarm device is defined as a load factor. When added up, the total load factor defines the loop length and the maximum number of alarm devices.

The maximum load factor of all esserbus PLus devices (IQ8Quad with integrated Alarm devices/IQ8Alarm Plus) may not exceed 96 per loop. Altogether up to 127 bus devices (e. g. IQ8MCP, transponder and additional IQ8Quad esserbus PLus-only detection function) per loop can still be connected (see Example 1).

The "load factor" download file for easier load factor calculation is available within our customer section at <http://www.esser-system.com>.

Table 1.1: Maximum loop length depending on the total load factor

| Maximum powered loop length | total load factor |
|-----------------------------|-------------------|
| up to 700 m..... | 91 up to 96 |
| up to 800 m..... | 85 up to 90 |
| up to 900 m..... | 79 up to 84 |
| up to 1000 m..... | 73 up to 78 |
| up to 1100 m..... | 67 up to 72 |
| up to 1300 m..... | 61 up to 66 |
| up to 1500 m..... | 55 up to 60 |
| up to 1700 m..... | 49 up to 54 |
| up to 2000 m..... | 43 up to 48 |
| up to 2500 m..... | 37 up to 42 |
| up to 3000 m..... | 31 up to 36 |
| up to 3500 m..... | 1 up to 30 |

Example 1:

How many IQ8Alarm Plus items with load factor 3.0 can be connected to one loop with 127 addresses?

96 (max. total load factor): 3.0 (load factor) = up to 32 IQ8Alarm Plus devices can be connected to each loop depending on the loop length (up to 700 m)

Example 2:

Various types of alarm signaling devices are connected to one loop:

| | Load factor |
|--|-----------------|
| 4 x 807205W alarm devices with load factor 3,0 | = 4 x 3,0 = 12 |
| | + |
| 27 x O ² T/So multisensor IQ8Quad (802384) with load factor 2,0 | = 27 x 2,0 = 54 |
| total load factor | = 66 |

As shown in table 1.1, the maximum loop length for a total load factor of 66 is 1300 m (at a wire gauge 0.8 mm).

Example 3:

For alarm signaling with sounder, 25 x 802384 IQ8Quad O²T/So detectors are installed - each in one office. What is the maximum loop length?

Load factor for one 802384 IQ8Quad O²T/So detector = 2 (load factor)
25 IQ8Quad O²T/So x 2 (load factor) = 50 (total load factor)

As shown in table 1.1, the maximum loop length is 1700 m (at a wire gauge 0.8 mm).

Order Information: Composed Combination of Languages (xy.SV98)

Up to five languages can be provided per alarm signaling device.

Other combinations of languages can be ordered with the "Order Form for IQ8 Composed Languages (xy.SV98)".

The delivery time is approximately four weeks.

Please note that returns or cancellations are not possible!

Part Nos. for individual combination of languages

| | |
|--|---------------|
| O ² T/FSp multisensor fire detector IQ8Quad with isolator, composed version | 802385.SV98 |
| O ² T/Sp multisensor fire detector IQ8Quad with isolator, composed version | 802386.SV98 |
| IQ8Alarm Plus/SpSo sounder with speech, red, composed version | 807322R.SV98 |
| IQ8Alarm Plus/SpSo sounder with speech, white, composed version | 807322W.SV98 |
| IQ8Alarm Plus/FSpSo visual alarm device with sound/speech, red/red, composed version | 807372RR.SV98 |
| IQ8Alarm Plus/FSpSo visual alarm device with sound/speech, red/white, composed version | 807372RW.SV98 |



Description:

Individual combination of languages

For example:

Phrase 1 - 5 NL_nl
 Phrase 6 - 10 GB_en
 Phrase 11 - 15 DE_de
 Phrase 16 - 20 TR_tr
 Phrase 21 - 25 RU_ru

The message type per language is always the same as mentioned in the chart
 "Additional languages for IQ8 composed versions":

- 1 Evacuation 1
- 2 Evacuation 2
- 3 Alarm
- 4 Test message
- 5 All-Clear

Order Form for IQ8 Composed Languages (xy.SV98)

Customer Data

| | |
|------------------------|----------------|
| Company: | Customer ID: |
| Street: | Zip Code/City: |
| Contact Person: | E Mail: |
| Telephone: | Fax: |
| Additional Order Text: | |

Quantity

| | | |
|----------|---------------|--|
| ___ pcs. | 802385.SV98 | O ² T/FSp multisensor fire detector IQ8Quad with isolator, composed version |
| ___ pcs. | 802386.SV98 | O ² T/Sp multisensor fire detector IQ8Quad with isolator, composed version |
| ___ pcs. | 807322R.SV98 | IQ8Alarm Plus/SpSo sounder with speech, red, composed version |
| ___ pcs. | 807322W.SV98 | IQ8Alarm Plus/SpSo sounder with speech, white, composed version |
| ___ pcs. | 807372RR.SV98 | IQ8Alarm Plus/FSpSo visual alarm device with sound/speech, red/red, composed version |
| ___ pcs. | 807372RW.SV98 | IQ8Alarm Plus/FSpSo visual alarm device with sound/speech, red/white, composed version |

Languages

| Choose max. 5 languages | Country Code acc. ISO 3166 | Language Code acc. ISO 639-1 |
|--|----------------------------|------------------------------|
| <input type="checkbox"/> Arabic | SA | ar |
| <input type="checkbox"/> Bosnian | BA | bs |
| <input type="checkbox"/> Catalan | ES | ca |
| <input type="checkbox"/> Chinese Mandarin | CN | zh |
| <input type="checkbox"/> Croatian | HR | hr |
| <input type="checkbox"/> Czech | CZ | cs |
| <input type="checkbox"/> Danish | DK | da |
| <input type="checkbox"/> Dutch | NL | nl |
| <input type="checkbox"/> English | GB | en |
| <input type="checkbox"/> Finnish | FI | fi |
| <input type="checkbox"/> French | FR | fr |
| <input type="checkbox"/> German | DE | de |
| <input type="checkbox"/> Greek | GR | el |
| <input type="checkbox"/> Hungarian | HU | hu |
| <input type="checkbox"/> Italian | IT | it |
| <input type="checkbox"/> Norwegian | NO | no |
| <input type="checkbox"/> Polish | PL | pl |
| <input type="checkbox"/> Portuguese | PT | pt |
| <input type="checkbox"/> Portuguese/Brazil | BR | pt |
| <input type="checkbox"/> Romanian | RO | ro |
| <input type="checkbox"/> Russian | RU | ru |
| <input type="checkbox"/> Serbian | RS | sr |
| <input type="checkbox"/> Swedish | SE | sv |
| <input type="checkbox"/> Slovak | SK | sk |
| <input type="checkbox"/> Slovenian | SI | sl |
| <input type="checkbox"/> Spanish | ES | es |
| <input type="checkbox"/> Turkish | TR | tr |

Repeat Orders or Additions

For repeat orders or additions please give us the Order Acknowledgement No.* from Novar GmbH, Neuss with special languages.


Order Acknowledgement No.:

* mentioned on the special label on reverse side of the device

Date/Signature

Please attach this document to the purchase order!

Additional Languages for IQ8 Composed Version (xy.SV98) Page 1/2

| Country code acc. to ISO 3166 -Alpha-2 | Language code acc. to ISO 639-1 | Evacuation 1 | Evacuation 2 | Alarm | Test Message | All-Clear |
|---|---------------------------------|---|--|---|--|---|
| SA  Arabia | ar | حريق هناك الانتباه يرجى اقرب الى التوجه الرجاء المبنى اخلاء وطوارئ مخرج | - - - | في طاريء وقوع عن الابلاغ تم الانتظار يرجى المبني ارشادات على للحصول | النظام فحص الرسالة هذه للإزعاج ناسف | الطوارئ حالة الفاء تم ازعاج اي عن نعتذر الان |
| BA  Bosnia | bs | Ovo je požarni alarm Mo- limo da odmah napustite zgradu koristeći najbliži raspoloživi izlaz. | Pažnja. Ovo je obavještenje o opasnosti. Molimo napustite zgradu koristeći najbliži raspoloživi izlaz. | U zgradi se dogodio incident. Molimo sačekajte dalja uputstva. | Ovo je poruka za ispitivanje sistema. Možete nastaviti sa vašim aktivnostima. | Opasnost je prestala. Izvinjavamo se radi even- tualnih neugodnosti. |
| BR  Brasil | pt | Atenção. Esta é uma emergência. Por favor, abandonem o edifício pela saída de emergência mais próxima. | Isto é um alarme de incêndio. Abandonem por favor, o edifício imediatamente pela saída de emergência mais próxima | Atenção foi reportado um incidente no edifício. Aguardem, por favor, outras instruções. | Esta é uma mensagem de teste. Não se requer nenhuma ação. | A emergência foi can- celada. Pedimos desculpas pelos problemas causados |
| CN  China Mandarin | zh | 请注意！ 请注意！ 现在发生火警， 请保持冷静， 请尽快离开现场！ | 请注意！ 请注意！ 现在发生火警， 请留意广播， 或注意现场指示！ | 请注意！ 现在发生紧急事故， 请等待下一步指示。 | 注意！ 紧急事故已经排除， 谢谢！ | 现在是系统测试， 请各位无需惊慌。 |
| DK  Denmark | da | Brandalarmen er aktiveret forlad venligst bygningen, anvend nærmeste nøddgang. | Dette er en nødsituation, forlad bygningen brug de opmærkede flugtveje. | Et varsel om brand bliver undersøgt, afvent nærmere besked. | Dette er en test melding ingen tiltag nødvendig. | Normal tilstand er genop- rettet, faren er overstået. |
| FI  Finland | fi | Huomio, kiinteistöissä on havaittu automaattinen paloilmoitus. Poistu rakennuksesta käyttäen ohjattuja reittejä. Hissien käyttö on kielletty. | Huomio, turvallisuussyistä kiinteistöistä on poistuttava välittömästi. Käytä ohjattu- ja reittejä. | Huomio, paloilmoin on ilmoittanut mahdollisesta vaaratilanteesta. Tutkimme asiaa ja annam- me pian lisätietoja. | Paloilmoitinjärjestelmää testataan. | Palohälytys on ohi. Tilanne on palautunut normaalki. |
| GR  Greece | el | Αυτό είναι ένα μήνυμα συναγερμού για πυρκαγιά. Παρακαλώ εγκαταλείψτε το κτίριο αμέσως από τις εξόδους κινδύνου. Η πυροσβεστική έχει δοπονηθεί. | Προσοχή, προσοχή! Αυτό είναι ένα μήνυμα για κατάσταση κινδύνου. Παρακαλώ εγκαταλείψτε το κτίριο από τις επόμενες εξόδους. | Προσοχή στο κτίριο υπάρχει κατάσταση κινδύνου. Παρακαλώ παραμείνετε ψύχραιμοι και περιμένετε επόμενες οδηγίες. | Αυτή είναι μια δοκιμαστική ανακοίνωση. | Η κατάσταση κινδύνου έχει αρθεί. Ζητούμε συγγνώμη για τυχόν δυσάρεστες καταστάσεις που προκλήθηκαν. |
| ES  Catalonia | ca | Això es una alarma d'incendi. Siusplau abandonin l'edifici immediatament per la sortida d'evacuació més propera. | Atenció. Això es una emergència. Siusplau abandonin l'edifici per la sortida d'evacuació més propera. | Atenció. S'ha notificat un incident a l'edifici. Siusplau, esperin altres instruccions. | Això es un missatge de prova. No es requereix cap acció. | L'alarma ha estat cancel·lada. Puguem disculpin les molesties. |
| HR  Croatia | hr | Ovo je požarni alarm. Molimo odmah napustite objekt koristeći najbliži izlaz za nuzdu. Vatrogasna postaja je alarmirana. | Pozor! Pozor! Ovo je priopćenje o neposrednoj opasnosti. Molimo odmah napustite objekt koristeći najbliži izlaz za nuzdu. | Pozor! U objektu je prijav- ljena opasnost. Molimo ostanite mirni i pricekajte daljnje upute. | Ovo je probno priopćenje. Nikakve mjere nisu neophodne. | Opasnost je prestala. Ispricavamo se radi eventualnih neugodnosti. |
| NL  Netherlands | nl | Attentie, er is een brandalarm. Verlaat het gebouw via de dichtstbijzijnde uitgang. | Attentie, er is een calamiteit. Verlaat het gebouw via de dichtstbijzijnde uitgang. | Attentie, er volgt een blussing, verlaat de ruimte. | Dit is een testalarm, dit is een testalarm. | Einde alarmmelding, einde alarmmelding. |
| NO  Norway | no | Brannalarmen er utløst, forlat bygget, bruk de oppmerkede rømningsveiene. | Dette er en nødsituasjon, forlat bygget, bruk de oppmerkede rømnings- veiene. | Et automatisk varsel om brann blir undersøkt, avvent nærmere beskjed. | Dette er en testmelding, ingen tiltak nødvendig. | Normaltilstand er gjenopprettet, faren er over. |

Additional Languages for IQ8 Composed Version (xy.SV98) Page 2/2

| Country code acc. to ISO 3166 -Alpha-2 | Language code acc. to ISO 639-1 | Evacuation 1 | Evacuation 2 | Alarm | Test Message | All-Clear |
|---|---------------------------------|--|---|---|---|--|
| PL  Poland | pl | Uwaga! Wystąpił alarm pożarowy. Proszę natychmiast opuścić budynek najbliższym dostępnym wyjściem ewakuacyjnym. | Proszę o uwagę! To jest komunikat alarmowy. Proszę opuścić budynek najbliższym dostępnym wyjściem ewakuacyjnym. | Uwaga. W budynku wystąpiło zdarzenie alarmowe. Proszę spokojnie oczekiwać dalszych instrukcji. | To jest komunikat testowy. Nie są wymagane żadne działania. | Stan alarmu został odwołany. Przepraszamy za wszelkie niedogodności i utrudnienia. |
| PT  Portugal | pt | Isto é um alarme de incêndio. Por favor abandonem o edifício imediatamente pela saída de evacuação mais próxima. | Atenção. Isto é uma emergência. Por favor abandonem o edifício pela saída de emergência mais próxima. | Atenção, ocorreu um incidente no edifício. Por favor aguardem mais instruções. | Atenção, isto é apenas um ensaio | O alarme foi cancelado. Queiram desculpar o inconveniente. |
| RO  Romania | ro | Atențiune, atențiune! S-a declanșat o alarmă de incendiu. Vă rugăm părăsiți imediat clădirea pe cea mai apropiată cale de evacuare. Alarma a fost transmisă la pompieri. | Atențiune! Acesta este un mesaj de urgență. Vă rugăm părăsiți clădirea pe cea mai apropiată cale de ieșire. | Atențiune. În clădire a fost semnalat un incident. Vă rugăm să vă păstrați calmul și să așteptați noi instrucțiuni. | Situația de urgență a luat sfârșit. Ne cerem scuze pentru eventualele inconveniente. | Acesta este un mesaj de test. |
| RS  Serbian | sr | Ovo je požarni alarm! Molimo vas da odmah napustite zgradu koristeći najbliži raspoloživi izlaz. | Pažnja! Ovo je obaveštenje o opasnosti. Molimo vas da naпустите zgradu koristeći najbliži raspoloživi izlaz. | U zgradi se desio incident. Molimo vas da sećekate dalja uputstva. | Ovo je poruka za ispitivanje sistema. Možete nastaviti sa vašim aktivnostima. | Opasnost je prestala. Izvinjavamo se zbog eventualnih neugodnosti. |
| RU  Russia | ru | Внимание. Пожарная тревога. Пожалуйста покиньте помещение через ближайшие аварийные выходы. | Внимание. Это предупреждение о пожарной опасности. Пожалуйста покиньте помещение через ближайшие выходы. | Внимание. Поступило предупреждение о пожарной опасности. Пожалуйста сохраняйте спокойствие и ждите дальнейшей информации. | Отмена пожарной тревоги. Ситуация нормализовалась. Извините за причиненные неудобства. | Тестовое сообщение. Идет проверка системы пожарной сигнализации. |
| SE  Sweden | sv | Brandlarmet är utlöst, lämna omedelbart byggnaden genom närmaste utgång. | Detta är en nödsituation, lämna omedelbart byggnaden genom närmaste utgång. | Larm om brand i byggnaden blir undersökt, invänta närmare besked. | Detta är ett testmeddelande, ingen åtgärd är nödvändig. | Normalt tillstånd är återupprättat, faran är över. |
| SK  Slovakia | sk | Toto je požarný poplach. Opusťte prosím okamžite budovu najbližším núdzovým východom! | Pozor, hrozí nebezpečenstvo. Opusťte prosím budovu najbližším núdzovým východom! | V budove bola vyhlásená pohotovosť. Počkajte prosím na ďalšie pokyny. | Toto je testovacie hlásenie. Nie je potrebné naň reagovať. | Pohotovosť bola odvolaná. Ospravedlňujeme sa za prípadné ťažkosti. |
| SI  Slovenia | sl | Požarni alarm! Prosimo takoj zapustite zgradbo skozi najbližji izhod. Gasilci so obveščeni. | Pozor! Pozor! To je sporočilo o nevarnosti. Prosimo zapustite zgradbo skozi najbližji izhod! | Pozor, v zgradbi je zaznana nevarnost. Prosimo ostanite mimi in počakajte na nadaljnja navodila. | To je testno sporočilo. | Nevarna situacija je obvladana. Opravičujemo se za vse neprijetnosti. |
| CZ  Czech Republic | cs | Toto je požární poplach. Prosím, opusťte okamžitě budovu nejbližším únikovým východem. | Pozor, hrozí nebezpečí. Prosím, opusťte budovu nejbližším únikovým východem. | V budově byla vyhlášena pohotovost. Prosím, vyčkejte dalších instrukcí. | Toto je testovací hlášení. Není třeba na něj reagovat. | Pohotovost je nyní odvolána. Omlouváme se za případné obtíže. |
| TR  Turkey | tr | Acil bir durum var. Lütfen binayı en yakın çıkış noktasından terkedin | Acil bir durum var. Lütfen binayı en yakın çıkış noktasından terkedin. | Bu bir yangın uyarısıdır. Bu bir yangın uyarısıdır. Talimatlar için beklemede kalın. Talimatlar için beklemede kalın. | Yangın uyarısı test edilmektedir. Bir şey yapmanız gerekmiyor. Bir şey yapmanız gerekmiyor. | Tehlike geçmiştir. Tehlike geçmiştir. Bir şey yapmanız gerekmiyor. |
| HU  Hungary | hu | Tűzriadó! Kérem, azonnal hagyják el az épületet az Önökhöz legközelebb eső kijáraton! | Figyelem! Vészhelyzet! Kérem, azonnal hagyják el az épületet az Önökhöz legközelebb eső kijáraton! | Az épületben váratlan esemény történt. További utasításig kérem várjanak! | Ez egy teszttüzenet. | Vészhelyzet törölve. Az esetleges kellemetlenségekért elnézésüket kérjük. |

Order Information: Customized Combination of Languages (xy.SV99)

In case you should need customized texts differing from the standard speech messages or composed versions or you should need additional signal tones or other languages which are not listed in the standard order form please use the "**Order Form for IQ8 Customized Languages (xy.SV99)**".

The maximum recording time is 169 seconds.

Information about delivery time and price of recording customized announcements/signal tones are available upon request.

Please note that returns or cancellations are not possible!

Part Nos. for customized programming of specific announcements/signal tones

| | |
|--|---------------|
| O ² T/FSp multisensor fire detector IQ8Quad with isolator, customized version | 802385.SV99 |
| O ² T/Sp multisensor fire detector IQ8Quad with isolator, customized version | 802386.SV99 |
| IQ8Alarm Plus/SpSo sounder with speech, red, customized version | 807322R.SV99 |
| IQ8Alarm Plus/SpSo sounder with speech, white, customized version | 807322W.SV99 |
| IQ8Alarm Plus/FSpSo visual alarm device with sound/speech, red/red, customized version | 807372RR.SV99 |
| IQ8Alarm Plus/FSpSo visual alarm device with sound/speech, red/white, customized version | 807372RW.SV99 |



Description:
Customer specific announcements/signals

For example:

| | |
|----------------|--|
| Phrase 1 - 5 | NL_nl |
| Phrase 6 - 10 | GB_en |
| Phrase 11 - 15 | DE_de |
| Phrase 16 - 20 | TR_tr |
| Phrase 21 - 25 | RU_ru |
| Phrase 26 - 31 | Extra (customer specific texts / special tones) |



The programming of speech and/or tone data is carried out at the factory according to your specifications. The programming of the customer data is carried out via the tools 8000 programming software. Please take a look at the relevant instructions in the online help of tools 8000.

Order Form for IQ8 Customized Languages (xy.SV99) - Page 1/2

Customer Data

| | |
|------------------------|----------------|
| Company: | Customer ID: |
| Street: | Zip Code/City: |
| Contact Person: | E Mail: |
| Telephone: | Fax: |
| Additional Order Text: | |

Quantity (exluding sample)

| | | |
|----------|---------------|--|
| ___ pcs. | SOE-00100 | Service for recording studio (Required once per new language/signal tone combination) |
| ___ pcs. | 802385.SV99 | O ² T/FSp multisensor fire detector IQ8Quad with isolator, customized version |
| ___ pcs. | 802386.SV99 | O ² T/Sp multisensor fire detector IQ8Quad with isolator, customized version |
| ___ pcs. | 807322R.SV99 | IQ8Alarm Plus/SpSo sounder with speech, red, customized version |
| ___ pcs. | 807322W.SV99 | IQ8Alarm Plus/SpSo sounder with speech, white, customized version |
| ___ pcs. | 807372RR.SV99 | IQ8Alarm Plus/FSpSo visual alarm device with sound/speech, red/red, customized version |
| ___ pcs. | 807372RW.SV99 | IQ8Alarm Plus/FSpSo visual alarm device with sound/speech, red/white, customized version |

Technical Specifications

File with announcements/signal tones
sent to contact person Honeywell:

Sample (with cost) for testing of audio quality required for Part Nos.:

| | |
|------------|-------------------------------|
| Name: | Sample should be approved by: |
| Telephone: | Name: |
| Email: | Telephone: |
| Remark: | Email: |
| | Address: |

Take note, these standards have to be followed:

- Files with speech and signal tones must be created locally
- Max. length per announcement or signal tone is 25 seconds per file
- Max. 5 announcements or signal tones can be programmed
- In total 169 seconds can be recorded on one IQ8Quad or IQ8Alarm Plus device (incl. silent breaks)

Please provide us the following data in the spreadsheet:

- Define unique name for the sound and speech files
- Specify the country and language code of each speech file
- Provide us the original text with exact wording of each speech file (specification incl. frequency and pulse rate)
- Specify female or male voice for each speech file
- Specify the time of each speech file, respectively of the tone file
- Indicate, if mother-tongue speaker or second-language speaker (dialect-free)
- Indicate per file the product line (Fire Alarm Systems or PA/VA)

Specification for recording studio:

- WAVE or AIFF files mono with a sampling rate of 48kHz and a word width of 16-24bits
- Hi-pass: 220 Hz, 12 dB/oct.
- Lo-pass: 5 kHz, 12 dB/oct.
- Multi-band-compressor, 3-band:
 - a. 25 Hz -350 Hz, - 5,3 dB
 - b. 350 Hz - 5 kHz, - 2,9 dB
 - c. 5 kHz - 18 kHz, - 6,4 dB
- Brickwall-limiter

Info: Depending on the sound quality we might have to pass it through an EQ, to make some modifications. Additional costs for recording and/or fine tuning will be charged once per new file with the first order! Second order with the same file without additional costs! Speech or signal tone file creation by Honeywell Neuss is only upon request!

Repeat Orders or Additions

For repeat orders or additions please give us the Order Acknowledgement No.* from Novar GmbH, Neuss with special languages.

* mentioned on the special label on reverse side of the device

Order Acknowledgement No.:

Date/Signature

Please attach this document to the purchase order!

Order Form for IQ8 Customized Languages (xy.SV99) - Page 2/2

| Number | 1. Speech or Signal Tone | 2. Speech or Signal Tone | 3. Speech or Signal Tone | 4. Speech or Signal Tone | 5. Speech or Signal Tone |
|--------------------------------------|--|--|--|--|--|
| Unique File Name | | | | | |
| Country Code acc. ISO 3166 | | | | | |
| Language Code acc. ISO 639-1 | | | | | |
| Original Text or Tone Specification | | | | | |
| Gender of Speaker (for Speech Files) | <input type="checkbox"/> Female <input type="checkbox"/> Male | <input type="checkbox"/> Female <input type="checkbox"/> Male | <input type="checkbox"/> Female <input type="checkbox"/> Male | <input type="checkbox"/> Female <input type="checkbox"/> Male | <input type="checkbox"/> Female <input type="checkbox"/> Male |
| Time/Length of File in Seconds | | | | | |
| Speaker Type | <input type="checkbox"/> Native-Speaker <input type="checkbox"/> 2nd-Language-Speaker | <input type="checkbox"/> Native-Speaker <input type="checkbox"/> 2nd-Language-Speaker | <input type="checkbox"/> Native-Speaker <input type="checkbox"/> 2nd-Language-Speaker | <input type="checkbox"/> Native-Speaker <input type="checkbox"/> 2nd-Language-Speaker | <input type="checkbox"/> Native-Speaker <input type="checkbox"/> 2nd-Language-Speaker |
| Product line | <input type="checkbox"/> Fire Alarm Systems <input type="checkbox"/> PA/VA | <input type="checkbox"/> Fire Alarm Systems <input type="checkbox"/> PA/VA | <input type="checkbox"/> Fire Alarm Systems <input type="checkbox"/> PA/VA | <input type="checkbox"/> Fire Alarm Systems <input type="checkbox"/> PA/VA | <input type="checkbox"/> Fire Alarm Systems <input type="checkbox"/> PA/VA |

Please attach this document to the purchase order!

Part No. Index

| Part No. | Page | Part No. | Page | Part No. | Page | Part No. | Page |
|-----------|------|-----------|------|-------------|------|--------------|------|
| 013405.20 | 97 | 704070 | 191 | 761304 | 258 | 767800 | 164 |
| 013590 | 110 | 704147 | 344 | 761305 | 259 | 769080 | 179 |
| 013601 | 105 | 704148 | 344 | 761310 | 259 | 769166 | 58 |
| 013603 | 106 | 704477.10 | 187 | 761314 | 266 | 769813 | 178 |
| 013604 | 106 | 704800 | 189 | 761315 | 264 | 769814 | 179 |
| 013605 | 107 | 704801.10 | 188 | 761316 | 265 | 769910 | 192 |
| 013606 | 109 | 704801.11 | 188 | 761317 | 265 | 769911 | 192 |
| 013607 | 109 | 704804 | 188 | 761317.50 | 265 | 769914 | 31 |
| 013608 | 108 | 704850 | 189 | 761317.50.H | 265 | 769915 | 31 |
| 013609 | 105 | 704854 | 188 | 761317.H | 265 | 769916 | 192 |
| 013610 | 103 | 704870 | 189 | 761330 | 259 | 769921 | 190 |
| 013611 | 110 | 704874 | 188 | 761331 | 259 | 772386 | 96 |
| 013612 | 110 | 704890 | 189 | 761347 | 247 | 772387 | 97 |
| 013613 | 112 | 704900 | 185 | 761349 | 248 | 772445 | 30 |
| 013617 | 104 | 704901 | 186 | 761400.10 | 261 | 772476 | 26 |
| 013618 | 110 | 704902 | 186 | 761401.10 | 262 | 772477 | 26 |
| 013620 | 106 | 704903 | 186 | 761402.10 | 262 | 772478 | 26 |
| 013623 | 108 | 704904 | 186 | 761403 | 262 | 772479 | 26 |
| 013624 | 113 | 704910 | 190 | 761404.10 | 263 | 781335 | 84 |
| 013625 | 113 | 704911 | 191 | 761405.10 | 263 | 781336 | 84 |
| 013626 | 105 | 704912 | 191 | 761406 | 263 | 781337 | 84 |
| 013627 | 110 | 704915 | 190 | 761407 | 263 | 781444 | 253 |
| 013628 | 111 | 704917 | 191 | 761408 | 264 | 781463 | 249 |
| 013629 | 107 | 704950 | 201 | 761413 | 262 | 781464 | 251 |
| 013631 | 103 | 704951 | 201 | 761414 | 264 | 781465 | 252 |
| 013632 | 107 | 704952 | 201 | 761415 | 263 | 781466 | 252 |
| 013636 | 104 | 704953 | 201 | 761515 | 281 | 781467 | 252 |
| 013643 | 106 | 704954 | 202 | 761520.10 | 290 | 781468 | 252 |
| 013645 | 104 | 704955 | 202 | 761521.10 | 290 | 781469 | 252 |
| 013646 | 108 | 704960 | 204 | 761522.10 | 290 | 781470 | 253 |
| 013650 | 112 | 704961 | 204 | 761523.10 | 290 | 781482 | 168 |
| 013651 | 112 | 704964 | 204 | 761524.10 | 290 | 781531.10.SL | 285 |
| 013652 | 112 | 704965 | 205 | 761525.10 | 290 | 781550 | 169 |
| 013653 | 112 | 704966 | 205 | 761526.10 | 290 | 781682 | 194 |
| 013655 | 113 | 704967 | 205 | 761535 | 292 | 781692 | 194 |
| 013656 | 108 | 704975 | 204 | 761536 | 292 | 781693 | 192 |
| 013658 | 107 | 704980 | 203 | 761537.10 | 292 | 781694 | 193 |
| 013660 | 112 | 704981 | 203 | 761542.10 | 291 | 781698 | 193 |
| 013661 | 113 | 704982 | 203 | 761544.10 | 291 | 781699 | 193 |
| 018001 | 86 | 704983 | 203 | 761546.10 | 293 | 781804 | 333 |
| 018002 | 86 | 704984 | 203 | 761547 | 293 | 781814 | 334 |
| 018004 | 86 | 704985 | 203 | 761549 | 291 | 782302 | 244 |
| 018006 | 86 | 736235 | 29 | 761694 | 210 | 782303 | 244 |
| 018007 | 86 | 736264 | 29 | 761697 | 211 | 782304 | 244 |
| 018009 | 86 | 743212 | 31 | 764730 | 338 | 782306 | 245 |
| 018011 | 86 | 743245 | 31 | 764731 | 338 | 782307 | 245 |
| 045040 | 299 | 743248 | 31 | 764732 | 338 | 782308 | 245 |
| 050510 | 343 | 744027 | 32 | 764733 | 339 | 782310 | 244 |
| 057633 | 344 | 744028 | 32 | 764734 | 339 | 782426 | 26 |
| 060426 | 173 | 744029 | 32 | 764736 | 339 | 782481 | 26 |
| 060427 | 172 | 744030 | 31 | 764737 | 340 | 782482 | 26 |
| 060429 | 178 | 744444 | 29 | 764744 | 156 | 783312 | 246 |
| 060431 | 178 | 761244 | 255 | 764745 | 157 | 783313 | 246 |
| 070450 | 343 | 761245 | 255 | 764752 | 158 | 784382.D0 | 27 |
| 12550LT | 335 | 761246 | 255 | 764754 | 158 | 784385 | 27 |
| 259529 | 167 | 761247 | 255 | 764790 | 70 | 784716 | 77 |
| 382040 | 341 | 761290 | 254 | 764852 | 342 | 784717 | 78 |
| 582550 | 299 | 761300 | 257 | 764856 | 85 | 784734 | 71 |
| 582551 | 300 | 761301 | 257 | 766253 | 299 | 784744 | 71 |
| 583386.21 | 95 | 761302 | 258 | 766424 | 298 | 784753 | 72 |
| 701040 | 190 | 761303 | 258 | 767510 | 343 | 784754 | 72 |

Part No. Index

| Part No. | Page | Part No. | Page | Part No. | Page | Part No. | Page |
|-----------|------|--------------|------|--------------|------|--------------|------|
| 784768 | 94 | 786107 | 23 | 789860.10 | 33 | 801825 | 335 |
| 784769 | 93 | 786108 | 23 | 789861 | 33 | 802171 | 138 |
| 784830.20 | 114 | 786109 | 23 | 789862.10 | 34 | 802171.IN | 361 |
| 784832.20 | 114 | 786110 | 23 | 789863 | 34 | 802177 | 139 |
| 784833.20 | 114 | 786112 | 23 | 789864 | 35 | 802177.IN | 361 |
| 784839.20 | 114 | 786114 | 23 | 789866 | 34 | 802271 | 139 |
| 784840.10 | 90 | 786115 | 23 | 798655 | 345 | 802271.IN | 363 |
| 784841.10 | 90 | 786116 | 23 | 800171 | 133 | 802371 | 140 |
| 784842 | 27 | 786118 | 23 | 800177 | 133 | 802371.IN | 362 |
| 784843 | 93 | 786119 | 23 | 800271 | 133 | 802373 | 141 |
| 784844.10 | 92 | 786120 | 23 | 800361.10 | 135 | 802374 | 142 |
| 784855 | 94 | 786122 | 23 | 800371 | 134 | 802374.IN | 362 |
| 784856 | 95 | 786123 | 23 | 800374 | 135 | 802375 | 141 |
| 784859 | 96 | 786125 | 23 | 800375 | 134 | 802375.IN | 362 |
| 784865 | 93 | 786302 | 23 | 800379 | 250 | 802379 | 251 |
| 784870 | 78 | 786305 | 23 | 801515.10 | 283 | 802382 | 146 |
| 784871 | 78 | 786307 | 24 | 801521.10 | 283 | 802383 | 148 |
| 784872 | 78 | 786309 | 24 | 801521.10.SL | 284 | 802384 | 147 |
| 785087 | 28 | 786314 | 24 | 801522.10 | 284 | 802385 | 151 |
| 785101 | 71 | 786316 | 24 | 801522.10.SL | 284 | 802385.BR | 153 |
| 785103 | 71 | 787531 | 27 | 801523.10 | 286 | 802385.NO | 153 |
| 785104 | 71 | 787532 | 27 | 801524.10 | 286 | 802385.SV98 | 152 |
| 785105 | 71 | 788012.40 | 64 | 801525.10 | 286 | 802385.SV99 | 152 |
| 785106 | 71 | 788013.40 | 64 | 801531.10 | 285 | 802385.SVRU | 153 |
| 785107 | 71 | 788013.40.NL | 64 | 801532.10 | 286 | 802386 | 149 |
| 785109 | 71 | 788013.40.RU | 64 | 801533.10 | 287 | 802386.BR | 150 |
| 785113 | 71 | 788014.40 | 65 | 801534.10 | 287 | 802386.SV98 | 150 |
| 785114 | 71 | 788014.40.CZ | 66 | 801535.10 | 287 | 802386.SV99 | 150 |
| 785115 | 71 | 788014.40.E | 66 | 801540 | 289 | 802473 | 143 |
| 785116 | 71 | 788014.40.GB | 66 | 801542 | 289 | 802473.IN | 363 |
| 785753 | 87 | 788014.40.NL | 66 | 801543.10 | 288 | 803171 | 139 |
| 786000 | 25 | 788014.40.PL | 66 | 801544.10 | 288 | 803271 | 140 |
| 786001 | 22 | 788014.40.RO | 67 | 801547 | 289 | 803271.EX | 155 |
| 786002 | 22 | 788014.40.RU | 67 | 801548 | 289 | 803371 | 140 |
| 786003 | 22 | 788014.40.SK | 67 | 801549.10 | 289 | 803371.EX | 155 |
| 786004 | 22 | 788016 | 68 | 801550 | 293 | 803371.EX.IN | 371 |
| 786005 | 22 | 788023.10 | 68 | 801551 | 296 | 803374 | 142 |
| 786006 | 22 | 788093 | 25 | 801552 | 296 | 803374.EX | 156 |
| 786007 | 22 | 788400 | 68 | 801553 | 296 | 803374.EX.IN | 371 |
| 786008 | 22 | 788401 | 68 | 801554 | 296 | 804382.D0 | 27 |
| 786009 | 22 | 788402 | 68 | 801555 | 296 | 804473.10 | 187 |
| 786010 | 22 | 788404 | 68 | 801556 | 296 | 804744 | 157 |
| 786011 | 22 | 788406 | 68 | 801557 | 296 | 804791 | 70 |
| 786012 | 22 | 788600 | 224 | 801558 | 296 | 804867 | 231 |
| 786014 | 22 | 788601 | 225 | 801559 | 296 | 804868 | 230 |
| 786015 | 22 | 788602 | 226 | 801560 | 296 | 804868.VC0 | 230 |
| 786016 | 22 | 788603.10 | 225 | 801561 | 296 | 804870 | 227 |
| 786017 | 22 | 788605 | 226 | 801562 | 296 | 804900 | 183 |
| 786018 | 22 | 788606 | 96 | 801563 | 296 | 804901 | 183 |
| 786019 | 22 | 788612 | 226 | 801564 | 296 | 804902 | 184 |
| 786020 | 22 | 788650.10 | 225 | 801565 | 296 | 804905 | 184 |
| 786022 | 22 | 788651.10 | 225 | 801566 | 296 | 804906 | 185 |
| 786023 | 22 | 788652 | 226 | 801567 | 296 | 804920.EX | 206 |
| 786025 | 22 | 788653 | 67 | 801600 | 288 | 804924.EX | 207 |
| 786027 | 22 | 788654 | 67 | 801604 | 288 | 804950 | 199 |
| 786100 | 25 | 788655 | 229 | 801605 | 289 | 804951 | 199 |
| 786101 | 23 | 788656 | 229 | 801606 | 292 | 804955 | 200 |
| 786102 | 23 | 789300 | 17 | 801607 | 291 | 804956 | 200 |
| 786103 | 23 | 789301 | 17 | 801711.10 | 268 | 804960 | 196 |
| 786105 | 23 | 789302 | 18 | 801722.10 | 269 | 804960.EX | 208 |
| 786106 | 23 | 789303 | 30 | 801824 | 334 | 804961 | 198 |

Part No. Index

| Part No. | Page | Part No. | Page | Part No. | Page | Part No. | Page |
|-----------|------|---------------|------|-----------------|------|----------------|------|
| 804961.EX | 209 | 807322R | 316 | FX808081 | 79 | MX50250 | 118 |
| 804970 | 196 | 807322R.SV98 | 317 | FX808313 | 50 | MX50255 | 118 |
| 804971 | 197 | 807322R.SV99 | 318 | FX808314 | 50 | MX50260 | 118 |
| 804971.IN | 365 | 807322W | 319 | FX808322 | 52 | MX50270 | 118 |
| 804973 | 197 | 807322W.SV98 | 320 | FX808323 | 52 | MX50410 | 119 |
| 804973.IN | 366 | 807322W.SV99 | 321 | FX808324 | 46 | MX51000 | 119 |
| 804980 | 218 | 807372RR | 326 | FX808324.19 | 55 | MX51100 | 119 |
| 804981 | 218 | 807372RR.SV98 | 327 | FX808324.19.IN | 355 | MX51200 | 120 |
| 805540 | 293 | 807372RR.SV99 | 328 | FX808324.IN | 349 | MX51400 | 120 |
| 805541 | 294 | 807372RW | 329 | FX808325 | 46 | MX51600 | 120 |
| 805542 | 294 | 807372RW.SV98 | 330 | FX808326 | 51 | MX53000 | 121 |
| 805543 | 294 | 807372RW.SV99 | 331 | FX808328.RE | 60 | MX53000.DP | 121 |
| 805550 | 175 | 808003 | 16 | FX808328.RE.IN | 358 | MX53100 | 121 |
| 805551 | 174 | 808004 | 21 | FX808330 | 49 | MX53100.DP | 121 |
| 805552 | 175 | 808139 | 16 | FX808331 | 59 | MX53110 | 122 |
| 805553 | 176 | 808219 | 21 | FX808332 | 59 | MX53110.DP | 122 |
| 805560 | 167 | 808606 | 219 | FX808333 | 50 | MX53130 | 123 |
| 805570 | 165 | 808610.10 | 221 | FX808338 | 30 | MX53130.DP | 123 |
| 805571 | 162 | 808611.10 | 221 | FX808340 | 60 | MX53200 | 122 |
| 805572.50 | 166 | 808613.30 | 222 | FX808341 | 60 | MX53200.DP | 122 |
| 805573 | 165 | 808619.10 | 223 | FX808353 | 80 | MX53300 | 123 |
| 805574 | 163 | 808621 | 220 | FX808354 | 80 | MX53300.DP | 123 |
| 805576 | 163 | 808623 | 215 | FX808355 | 80 | MX53400 | 123 |
| 805577 | 164 | 808623.10 | 217 | FX808363 | 48 | MX53400.DP | 124 |
| 805579 | 165 | 808623.40 | 216 | FX808363.IN | 352 | MX53410 | 124 |
| 805580 | 171 | 808624 | 228 | FX808364 | 49 | MX53410.DP | 124 |
| 805581 | 171 | 808625 | 228 | FX808364.IN | 353 | MX53420 | 124 |
| 805582 | 176 | 808626 | 228 | FX808379 | 75 | MX53420.DP | 124 |
| 805583 | 177 | 808626.10 | 228 | FX808381 | 75 | MX53450 | 125 |
| 805584 | 176 | 808630.10 | 224 | FX808384 | 74 | MX53450.DP | 125 |
| 805585 | 177 | 808631.10 | 224 | FX808385 | 74 | MX53510 | 125 |
| 805586 | 172 | 809041.01 | 10 | FX808392 | 39 | MX53510.DP | 125 |
| 805587 | 162 | 809041.02 | 10 | FX808393 | 42 | MX53600 | 126 |
| 805588 | 162 | 809041.08 | 10 | FX808394 | 42 | MX53600.DP | 126 |
| 805589 | 162 | 809051.01 | 11 | FX808395 | 45 | MX53610 | 126 |
| 805590 | 159 | 809051.02 | 12 | FX808396 | 45 | MX53610.DP | 126 |
| 805590.IN | 364 | 809051.08 | 12 | FX808397 | 45 | MX53615 | 126 |
| 805591 | 159 | 850054 | 160 | FX808397.IN | 348 | MX53615.DP | 127 |
| 805591.IN | 364 | 850055 | 160 | FX808430.10R | 54 | MX53620 | 127 |
| 805592 | 136 | 850062 | 160 | FX808430.18R | 54 | MX53620.DP | 127 |
| 805593.10 | 235 | 850063 | 160 | FX808430.18R.IN | 355 | MX53640 | 127 |
| 805594.10 | 236 | BME2Z002 | 35 | FX808431 | 55 | MX53640.DP | 127 |
| 805595.10 | 237 | CWR | 309 | FX808431.IN | 355 | MX53699 | 128 |
| 805597 | 87 | CWSO-RR-S1 | 301 | FX808432 | 56 | MX53699.DP | 128 |
| 805601.10 | 238 | CWSO-WW-S1 | 302 | FX808433 | 56 | MX53700 | 128 |
| 805602.10 | 239 | CWSS-RR-S3 | 308 | FX808434 | 56 | MX53700.DP | 128 |
| 805603 | 240 | CWSS-RR-S5 | 305 | FX808435 | 56 | MX53710.DP | 128 |
| 805604 | 240 | CWSS-RW-S5 | 307 | FX808436 | 56 | MX53810 | 129 |
| 805605 | 241 | CWSS-WW-S5 | 306 | FX808437 | 57 | MX53810.DP | 129 |
| 805683 | 82 | CWST-RR-S5 | 303 | FX808438 | 57 | MX53900 | 129 |
| 805684.10 | 82 | CWST-WA-S7 | 304 | FX808439 | 57 | MX53900.DP | 129 |
| 805685 | 83 | CWST-WW-S5 | 304 | FX808440 | 57 | POL-ESS TOUCH | 35 |
| 805686 | 83 | CWW | 309 | FX808449.IN | 357 | PS188 | 309 |
| 806201 | 332 | DBS1224B4W-D | 298 | FX808455 | 50 | PS189 | 309 |
| 806202 | 332 | F-BO-AFE70-2 | 271 | FX808460 | 73 | SC076 | 310 |
| 807205R | 314 | FL-IF-6 | 270 | FX808461.10 | 73 | SMB6-V0 | 227 |
| 807205W | 315 | F-PSU-2405 | 83 | FX808462 | 73 | VEA-040-A00 | 275 |
| 807214RR | 322 | F-SP | 179 | FX808463 | 76 | VEP-A00-1P | 273 |
| 807214WW | 323 | F-SP-REFILL | 179 | FX808464 | 77 | VEP-A00-P | 274 |
| 807224RR | 324 | FX784844 | 92 | M200SMB | 226 | VEP-A10-P | 275 |
| 807224RW | 325 | FX808080 | 79 | MX50100 | 117 | VER-A40-40-STX | 278 |

Part No. Index

| Part No. | Page |
|-----------------|------|
| VEU-A00 | 272 |
| VEU-A10 | 273 |
| VLF-250 | 274 |
| VLF-500 | 274 |
| VLI-880 | 276 |
| VLI-885 | 276 |
| VPS-250-STX | 280 |
| VPS-250-STX-SLV | 281 |
| VSP-030 | 277 |
| VSP-031 | 277 |
| VSP-032 | 277 |
| VSP-034 | 277 |
| VSP-1000 | 279 |
| VSP-1001 | 279 |
| VSP-1002 | 279 |
| VSP-1003 | 279 |
| VSP-1004 | 279 |
| VSP-962 | 277 |
| VSP-963 | 277 |
| VSP-972 | 279 |
| VSP-973 | 280 |
| VSP-978 | 280 |
| VSP-979 | 280 |
| VSP-980-W | 278 |
| VSP-980-W22 | 278 |
| VSP-981-W | 278 |
| VSP-981-W22 | 278 |
| VSP-982-W | 278 |
| VSP-982-W22 | 278 |
| VSP-990 | 279 |
| VSP-991 | 279 |
| VSP-998 | 279 |

Keyword Index

| Keyword | Page |
|--|------|
| A | |
| Adapter for DCU | 83 |
| Adapter for DCU 2403 | 82 |
| Adapter for pole 769813 | 171 |
| Adapter module ADP-4000 for ESSER Remote Access | 79 |
| Adapter module ADP-FBF | 78 |
| Adapter module ADP-N3E | 71 |
| Adapter module ADP-N3EU-EDP | 75 |
| Adapter module ADP-N3S | 71 |
| Adapter module ADP-N3S-EDP | 75 |
| Adapter module ADP-PRS-232 | 72 |
| Adapter module ADP-PRS-422 | 72 |
| Adapter TWI-RS232 | 95 |
| Additional relay 12 V DC | 343 |
| Addressable MCP electronic module with isolator, Series 9200, esserbus | 187 |
| Addressable MCP, IP66 | 210 |
| Adhesive, 0.5 kg can with brush-in-cap | 292 |
| Adjustable mounting bracket | 165 |
| ADP 4000 redundancy adapter | 77 |
| Air filter | 288 |
| Alarm and monitoring module for IQ8TAM, IQ8TAL, IQ8FCT XS/LP | 227 |
| Aspiration reducing foil sheet, 2.0 mm | 296 |
| Aspiration reducing foil sheet, 2.5 mm | 296 |
| Aspiration reducing foil sheet, 3.0 mm | 296 |
| Aspiration reducing foil sheet, 3.2 mm | 296 |
| Aspiration reducing foil sheet, 3.4 mm | 296 |
| Aspiration reducing foil sheet, 3.6 mm | 296 |
| Aspiration reducing foil sheet, 3.8 mm | 296 |
| Aspiration reducing foil sheet, 4.0 mm | 296 |
| Aspiration reducing foil sheet, 4.2 mm | 296 |
| Aspiration reducing foil sheet, 4.4 mm | 296 |
| Aspiration reducing foil sheet, 4.6 mm | 296 |
| Aspiration reducing foil sheet, 5.0 mm | 296 |
| Aspiration reducing foil sheet, 5.2 mm | 296 |
| Aspiration reducing foil sheet, 5.6 mm | 296 |
| Aspiration reducing foil sheet, 6.0 mm | 296 |
| Aspiration reducing foil sheet, 6.8 mm | 296 |
| Aspiration reducing foil sheet, 7.0 mm | 296 |
| B | |
| Back-flow valve for TITANUS EB | 289 |
| Banderole for aspiration reducing foil for TITANUS ASD | 293 |
| Base cover for IQ8Quad | 162 |
| Base deep IP 65, red | 309 |
| Base deep IP 65, white | 309 |
| Base module for OVP modules | 340 |
| Basic license for WINMAGplus USB port | 103 |
| Basic module IQ8Control C (772481) | 26 |
| Basic module IQ8Control M (772482) | 26 |
| Basic unit TITANUS PRO SENS® 2 EB | 284 |
| Basic unit TITANUS PRO SENS® 2 EB with silent fan | 284 |
| Basic unit TITANUS PRO SENS® EB | 283 |
| Basic unit TITANUS PRO SENS® EB with silent fan | 284 |
| Basic unit TITANUS TOP SENS® EB | 285 |
| Basic unit TITANUS TOP SENS® EB 1 with silent fan | 285 |
| Battery 12 V DC / 24 Ah capacity | 86 |
| Battery 12 V DC/1.2 Ah capacity | 86 |
| Battery 12 V DC/12 Ah capacity | 86 |
| Battery 12 V DC/17 Ah capacity | 86 |
| Battery 12 V DC/2.1 Ah capacity | 86 |
| Battery 12 V DC/38 Ah capacity | 86 |
| Battery 12 V DC/7 Ah capacity | 86 |
| Battery extension housing | 17 |
| Battery extension housing for 2 x 12 V/24 Ah | 50 |

| Keyword | Page |
|---|------|
| Battery extension housing for 4 x 12 V/12 Ah | 50 |
| Battery kit | 87 |
| Blow off device for pipe system – FAAST series | 271 |
| C | |
| Cable connection terminal for 4 module slots | 56 |
| Cable connection terminal for essernet modules | 56 |
| Cable gland for housing 764752 | 158 |
| Cable gland M12 with nut | 344 |
| Cable gland M16 with nut | 344 |
| Cable glands M20 f. weather protection housing | 253 |
| Carrying bag for test equipment | 172 |
| Cavity wall mounting kit for touchscreen operating unit | 73 |
| Ceiling holder for LRMX | 263 |
| Ceiling holder for LRMX, for distances from 40 to 70 cm | 263 |
| Ceiling holder for LRMX, for distances from 70 to 150 cm | 263 |
| Ceiling lead-through adapter (ABS) | 291 |
| Central remote indicator ZPA 3000, flush mounted, German | 74 |
| Central remote indicator ZPA 3000, surface mounted, German | 74 |
| Certification set for FlexES Rack FM | 357 |
| Client license package, 10 licenses | 118 |
| Client license package, 20 licenses | 118 |
| Client license package, 5 licenses | 118 |
| CO capsule for multi-stimulus detector tester 805551 | 176 |
| CO test gas for smoke detector tester 805582 | 177 |
| Combination signaling device EN 54-23 cat. W+C, white flash | 306 |
| Combination signaling device EN 54-23 cat. W+C, red flash | 305 |
| Combination signaling device EN 54-3, red flash | 308 |
| Compact unit TITANUS PRO SENS® EB | 283 |
| Condensate trap for aspirating smoke detectors | 292 |
| Connection link set for sensor cable | 255 |
| Connection terminal for 230 V and 400 V mains power supply | 57 |
| Connection terminal for UBext | 57 |
| Control center software CD WINMAGplus basic kit | 103 |
| Control relay for top-hat rail mounting | 343 |
| Conventional MCP compact, small, red, glass pane | 196 |
| Conventional MCP compact, small, red, with glass pane, IP 66/67 | 196 |
| Conventional MCP electronic module | 183 |
| Conventional MCP electronic module w/o snap-on function | 184 |
| Conventional MCP electronic module with 2nd microswitch | 183 |
| Conventional MCP electronic module with 2nd micro-switch, Series 9000 | 187 |
| Conventional MCP electronic module, with 2nd micro-switch | 199 |
| Converter RS232/RS485 | 342 |
| Converter RS232/TTY | 85 |
| D | |
| Data points for BACnet client, 500 data points | 129 |
| Data points for ESPA terminal devices, 10 data points | 127 |
| Data points for ESSER fire detection technology, 500 data points | 121 |
| Data points for ESSER intruder alarm panel 5008, 500 data points | 121 |
| Data points for external systems, 100 data points | 128 |
| Data points for Geutebrück Reporter/Geviscope, 100 data points | 124 |
| Data points for IGIS MB/HB series, 500 data points | 122 |
| Data points for interface driver databases, 10 data points | 127 |
| Data points for interface driver HeiTel video technology, 100 data points | 125 |
| Data points for IPC - Ackermann ILC, 100 data points | 123 |
| Data points for Mobotix IP camera, 100 data points | 124 |
| Data points for Modbus IP client, 500 data points | 129 |
| Data points for OPC client, 500 points | 128 |
| Data points for OPC DA server, 500 data points | 128 |
| Data points for RWT Bus-Contoller 970, 100 data points | 127 |

Keyword Index

| Keyword | Page |
|--|------|
| Data points for TDM/ASCOM emergency call system, 100 data points | 126 |
| Data points for Telenot complex 400 H, 500 data points | 123 |
| Data points for the RWT bus controller 925, 100 data points | 126 |
| Data points for VARIODYN D1, 100 data points | 122 |
| Data points for ZK primeWebSystems, 100 data points | 125 |
| Data points package for Milestone CCTV, 100 data points | 124 |
| DC/DC converter 12 V/24 V DC | 84 |
| DC/DC converter output voltage 12 V DC | 84 |
| DC/DC converter output voltage 24 V DC | 84 |
| Detection point input | 114 |
| Detector Base Sounder EMA | 298 |
| Detector base with relay contact for IQ8Quad | 159 |
| Detector base with relay contact for IQ8Quad FM | 364 |
| Detector base with relay output for ES Detect 48 V DC operation | 136 |
| Detector cover for IQ8Quad w/o built-in alarm sounder | 162 |
| Detector cover for IQ8Quad with built-in alarm sounder | 162 |
| Detector module 0.015 %/ m DM-TP-01L | 286 |
| Detector module 0.015 %/ m DM-TT-01L | 287 |
| Detector module 0.10 %/ m DM-TP-10L | 286 |
| Detector module 0.10 %/ m DM-TT-10L | 287 |
| Detector module 0.5 %/ m DM-TT-50L | 287 |
| Detector module 0.5 %/ m Type DM-TP-50 | 286 |
| Detector removal tool | 171 |
| Detergent, 1l | 292 |
| Device holder for TITANUS EB | 289 |
| Diagnostics tool for TITANUS EB | 289 |
| Display and operating unit for FlexES Rack FM (7 HU) | 355 |
| Display and operating unit for rack, 7 HU | 55 |
| Display and operating unit with 5.7" display | 46 |
| Display and operating unit with 5.7" display FM | 349 |
| Driver BACnet client | 129 |
| Driver ESPA terminal devices | 127 |
| Driver for ESSER fire detection technology | 121 |
| Driver for ESSER I-CIE 5008 interface | 121 |
| Driver for external systems | 128 |
| Driver Geutebrück Reporter/Geviscope | 123 |
| Driver IGIS MB/HB series | 122 |
| Driver IPC - Ackermann ILC | 123 |
| Driver Milestone CCTV | 124 |
| Driver Mobotix IP camera | 124 |
| Driver Modbus IP client/serial master | 129 |
| Driver OPC DA server | 128 |
| Driver Redundancy | 120 |
| Driver RWT bus controller 925 | 126 |
| Driver RWT Bus-Controller 970 | 126 |
| Driver TDM/ASCOM emergency call system | 126 |
| Driver Telenot complex 400 H | 123 |
| Driver VARIODYN D1 | 122 |
| Driver ZK primeWebSystems | 125 |
| Dummy cover 19", 2 HU | 31 |
| Dummy cover 19", 3 HU | 32 |
| Dummy cover 19", 5 HU | 32 |
| Dummy cover 19", 9 HU | 32 |
| Dummy cover for heavy-duty drawer PSU (5 HU) | 57 |
| E | |
| EMC shield for IQ8Quad, ES Detect detector base | 167 |
| End cap (ABS) for 25 mm pipe | 290 |
| Energy box 2401 | 83 |
| EOL-I terminating device | 228 |
| EOL-O terminating device | 228 |
| EOL-UV terminating device (UniVario) | 228 |
| EOL-Z module for detector groups | 228 |
| ESSER Remote Access - ERA for FlexES Control | 79 |

| Keyword | Page |
|--|------|
| esserbus alarm transponder, 4 IN/2 OUT with isolator | 215 |
| esserbus FSA transponder for fire doors | 223 |
| esserbus transponder 12 relays (8 bit) | 221 |
| esserbus transponder 32 LED | 221 |
| esserbus transponder for special detectors | 216 |
| esserbus transponder for UniVario with isolator | 217 |
| esserbus transponder IQ8FCT LP | 220 |
| esserbus transponder IQ8FCT XS | 219 |
| esserbus transponder RZT, 12 V | 224 |
| esserbus transponder RZT, 24 V | 224 |
| esserbus transponder SIE for 3rd party extinguishing panels | 222 |
| essernet module, 500 kBd for IQ8Control | 90 |
| essernet module, 62.5 kBd for IQ8Control | 90 |
| essernet redundant switch for IQ8Control | 92 |
| essernet repeater, 500 kBd | 93 |
| essernet repeater, 62.5 kBd | 93 |
| essernet Switch for FlexES Control | 92 |
| Ex barrier for intrinsically safe detectors Series IQ8Quad Ex (i) | 157 |
| Ex barrier for intrinsically safe detectors Series IQ8Quad Ex (i) and 9100 | 156 |
| Ex beacon with 10 Joule | 299 |
| Ex beacon with 15 Joule | 300 |
| Ex signaling device DS10, 12 V DC | 299 |
| Ex sounder BEXS 10, 12 V DC | 299 |
| Expansion housing with 2 DIN rails | 30 |
| Expansion module carrier 1 for preconfigured cabling | 56 |
| Expansion module carrier 2 for preconfigured cabling | 56 |
| Explosion-proof conventional MCP, IP66 | 211 |
| Extension housing for batteries with 192 detector zones | 17 |
| Extension housing for IQ8Control and FlexES Control | 30 |
| Extension housing for SZI 192 detector zones IQ8Control | 18 |
| Extension module carrier 1 | 52 |
| Extension module carrier 2 | 52 |
| Extension module with 1 additional micromodule slot | 26 |
| Extension module with 3 additional micromodule slots | 26 |
| Extension pole | 179 |
| External power supply DCU 2403 | 82 |
| External power supply unit of Series FFAST | 83 |
| External printer MEFA RS422 for FlexES Control | 80 |
| External printer MEFA TTY for FlexES Control | 80 |
| Extinguishing control panel, Series 4, Czech | 66 |
| Extinguishing control panel, Series 4, Dutch | 66 |
| Extinguishing control panel, Series 4, English | 66 |
| Extinguishing control panel, Series 4, German | 65 |
| Extinguishing control panel, Series 4, Polish | 66 |
| Extinguishing control panel, Series 4, Romanian | 67 |
| Extinguishing control panel, Series 4, Russian | 67 |
| Extinguishing control panel, Series 4, Slovakian | 67 |
| Extinguishing control panel, Series 4, Spanish | 66 |
| Extinguishing panel 8010, Series 4, w/o operating unit | 64 |
| Extinguishing panel 8010, Series 4, with operating unit, Dutch | 64 |
| Extinguishing panel 8010, Series 4, with operating unit, German | 64 |
| Extinguishing panel 8010, Series 4, with operating unit, Russian | 64 |
| F | |
| FAAST LT-200 EB 1 channel, loop ready | 268 |
| FAAST LT-200 EB 2 with 2 channels, loop ready | 269 |
| FAAST replacement air filter FFAST LT | 270 |
| FACP Compact, 1 loop, Dutch | 12 |
| FACP Compact, 1 loop, English | 12 |
| FACP Compact, 1 loop, German | 11 |
| FACP ES Line for 8 zones, Dutch | 10 |
| FACP ES Line for 8 zones, English | 10 |
| FACP ES Line for 8 zones, German | 10 |

Keyword Index

| Keyword | Page |
|---|------|
| FACP FlexES Control FM (18 loops) | 348 |
| FACP FlexES Control FX10 (10 loops) | 42 |
| FACP FlexES Control FX10 (5 loops) | 42 |
| FACP FlexES Control FX18 (10 loops) | 45 |
| FACP FlexES Control FX18 (18 loops) | 45 |
| FACP FlexES Control FX18 (5 loops) | 45 |
| FACP FlexES Control FX2 (2 loops) | 39 |
| FACP IQ8Control C | 16 |
| FACP IQ8Control C for 19" rack | 16 |
| FACP IQ8Control M | 21 |
| FACP IQ8Control M for 19" rack | 21 |
| Field bus interface PLUS | 34 |
| Filler panel front, neutral | 25 |
| Filter cartridge for air duct module 781443 | 253 |
| Fireray 100 RV with 4 prisms | 265 |
| Fireray 50 RV with 1 prism | 264 |
| Fireray 5000, detector head without controller, 100 m | 265 |
| Fireray 5000, detector head without controller, 50 m | 265 |
| Fireray 5000, line smoke detector with actuator, incl. controller, 50 m | 265 |
| Fireray 5000, line smoke detector, incl. controller, 100 m | 265 |
| Fixed heat detector ES Detect | 133 |
| Fixed heat detector ES Detect, Class B (T +65 °C) | 133 |
| Fixed heat detector IQ8Quad , Class B (T +65 °C), with isolator | 139 |
| Fixed heat detector IQ8Quad FM , Class B (T +65 °C), with isolator | 361 |
| Fixed heat detector IQ8Quad FM with isolator | 361 |
| Fixed heat detector IQ8Quad with isolator | 138 |
| Fixed heat detector IQ8Quad without isolator (T -30 °C) | 139 |
| FlexES Guard Gateway | 119 |
| Flush mount kit for base IQ8Quad | 162 |
| Flush mounted housing for LRMX | 264 |
| Front foil face with universal text for large MCP ABS, black lettering | 191 |
| Front foil TITANUS PRO SENS® EB | 289 |
| Front foil TITANUS TOP SENS® EB | 289 |
| Front foil with universal text for large MCP ABS, white lettering | 191 |
| Front foil with universal text for small MCP, white lettering | 204 |
| G | |
| Graphics page conversion | 114 |
| Graphics page input | 114 |
| Ground jumper for deep base | 310 |
| H | |
| Handheld esserbus testing and configuration device | 35 |
| Heat detector UniVario | 244 |
| Heat detector UniVario, 2 m | 245 |
| Heat detector UniVario, 200 mm | 244 |
| Heat detector UniVario, 400 mm | 244 |
| Heat detector UniVario, 6 m | 245 |
| Heat detector UniVario, 600 mm | 244 |
| Heat detector UniVario, 9 m | 245 |
| Heavy-duty drawer FM with power supply unit (5 HU) | 355 |
| Heavy-duty drawer FM with software release for 18 analog loops (7 HU) | 355 |
| Heavy-duty drawer with power supply unit, 5 HU | 55 |
| Heavy-duty drawer with software release for 10 analog loops | 54 |
| Heavy-duty drawer with software release for 18 analog loops | 54 |
| Housing flush mount, gray | 225 |
| Housing flush mount, white | 225 |
| Housing for Ex barrier | 158 |
| Housing for one IQ8FCT XS | 226 |
| Housing for SEI | 96 |
| Housing for small MCP, blue, similar to RAL 5015 | 201 |
| Housing for small MCP, gray, similar to RAL 7035 | 202 |
| Housing for small MCP, green, similar to RAL 6002 | 202 |

| Keyword | Page |
|--|------|
| Housing for small MCP, orange, similar to RAL 2011 | 201 |
| Housing for small MCP, red, similar to RAL 3020 | 201 |
| Housing for small MCP, yellow, similar to RAL 1021 | 201 |
| Housing for up to six IQ8FCT XS | 227 |
| Housing surface mount, gray | 224 |
| Housing surface mount, white | 225 |
| I | |
| Indicating and operating panel for ECP 8010, Czech | 68 |
| Indicating and operating panel for ECP 8010, English | 68 |
| Indicating and operating panel for ECP 8010, German | 68 |
| Indicating and operating panel for ECP 8010, Polish | 68 |
| Indicating and operating panel for ECP 8010, Romanian | 68 |
| Installation adapter for suspended ceilings | 164 |
| Installation frame for transmission units and transponders | 344 |
| Interface driver databases | 127 |
| Interface driver HeiTel video technology | 125 |
| Interface module RS232 / 24 V | 96 |
| Interface module TTY/CL 20 mA | 97 |
| IP 42 protection for detector base IQ8Quad, flat design | 165 |
| IP 43 damp room base adapter for IQ8Quad, ES Detect detector base | 166 |
| IP 43 protection for detector base IQ8Quad, deep design | 165 |
| IP 54 kit for large MCP 7048xx | 191 |
| IP 55 base adapter | 229 |
| IP55 kit for protective cover | 193 |
| IP66 housing for OSID image sensor (imager) | 259 |
| IP66 housing for OSID standard light source (emitter) | 259 |
| IQ8Alarm Plus IP 56 base, red | 332 |
| IQ8Alarm Plus IP 56 base, white | 332 |
| IQ8Alarm Plus/F visual alarm device, red/red | 322 |
| IQ8Alarm Plus/F visual alarm device, white/white | 323 |
| IQ8Alarm Plus/FSo visual alarm device with sound, red/red | 324 |
| IQ8Alarm Plus/FSo visual alarm device with sound, red/white | 325 |
| IQ8Alarm Plus/FSpSo VAD with sound/speech, red/red, composed version | 327 |
| IQ8Alarm Plus/FSpSo VAD with sound/speech, red/red, customized version | 328 |
| IQ8Alarm Plus/FSpSo VAD with sound/speech, red/white, composed version | 330 |
| IQ8Alarm Plus/FSpSo VAD with sound/speech, red/white, customized version | 331 |
| IQ8Alarm Plus/FSpSo visual alarm device with sound/speech, red/red | 326 |
| IQ8Alarm Plus/FSpSo visual alarm device with sound/speech, red/white | 329 |
| IQ8Alarm Plus/So sounder, red | 314 |
| IQ8Alarm Plus/So sounder, white | 315 |
| IQ8Alarm plus/SpSo sounder with speech, red | 316 |
| IQ8Alarm Plus/SpSo sounder with speech, red, composed version | 317 |
| IQ8Alarm Plus/SpSo sounder with speech, red, customized version | 318 |
| IQ8Alarm Plus/SpSo sounder with speech, white | 319 |
| IQ8Alarm Plus/SpSo sounder with speech, white, composed version | 320 |
| IQ8Alarm Plus/SpSo sounder with speech, white, customized version | 321 |
| IQ8FCT electronic module with isolator for FCT | 218 |
| IQ8FCT with isolator, 1 contact IN/1 OUT | 231 |
| IQ8MCP compact FM, small, red with isolator and glass pane | 365 |
| IQ8MCP compact FM, small, red with resettable element | 366 |
| IQ8MCP compact IP 66 / 67, small, red, with isolator glass pane | 198 |
| IQ8MCP compact, small, red, with isolator and glass pane | 197 |
| IQ8MCP compact, small, red, with resettable element | 197 |

Keyword Index

| Keyword | Page |
|---|------|
| IQ8MCP electronic module | 200 |
| IQ8MCP electronic module w/o isolator, with relay | 185 |
| IQ8MCP electronic module with isolator | 184 |
| IQ8Quad detector heating element | 167 |
| IQ8TAL electronic module with isolator for FCT | 218 |
| IQ8TAL with isolator, 1 contact IN/1 OUT | 230 |
| IQ8TAL with isolator, China | 230 |
| IQ8Wireless cover for wireless interface, red and white | 241 |
| IQ8Wireless detector base | 235 |
| IQ8Wireless gateway for devices | 236 |
| IQ8Wireless mounting frame for IQ8Quad detectors, white | 240 |
| IQ8Wireless mounting frames for IQ8Alarm / IQ8Alarm Plus, red and white | 240 |
| IQ8Wireless transponder for devices, wall mount | 237 |
| IQ8Wireless universal interface w/o cover, red | 238 |
| IQ8Wireless universal interface w/o cover, white | 239 |
| IR flame detector (Ex) X 9800 | 247 |
| Isolation and assembly base for safety Ex barrier | 157 |
| K | |
| Kit for suspended installation | 168 |
| L | |
| Label plate for detector base IQ8Quad | 163 |
| Labels-sampling points wrap round for VESDAASD | 293 |
| Large Conventional MCP Ex (i), red with glass pane | 206 |
| Large IQ8MCP Ex (i), red with glass pane | 207 |
| LCD indicator panel, Czech | 71 |
| LCD indicator panel, Danish | 71 |
| LCD indicator panel, Dutch | 71 |
| LCD indicator panel, English | 71 |
| LCD indicator panel, German | 71 |
| LCD indicator panel, Hungarian | 71 |
| LCD indicator panel, Italian | 71 |
| LCD indicator panel, Polish | 71 |
| LCD indicator panel, Portuguese | 71 |
| LCD indicator panel, Spanish | 71 |
| LCD indicator panel, Turkish | 71 |
| Lever lock with 2 keys (No. 801) | 31 |
| Lever lock with 2 keys (No. 901) | 31 |
| Linear heat detector LWM-1, DE/EN | 254 |
| Linear Smoke Detector LRMX | 261 |
| Log book for FAS (DE/GB) | 345 |
| Loop card esserbus/esserbus-PLus module for FlexES Control | 59 |
| Loop card esserbus/esserbus-PLus module GI for FlexES Control | 59 |
| Loop isolator for transponder | 226 |
| Loop LED remote indicator panel for 32 messages | 70 |
| Loop module esserbus | 27 |
| Loop module esserbus-PLus (Powered Loop) | 27 |
| LRS compact, German | 281 |
| M | |
| Master box interface module | 27 |
| MCP housing ALU, large, glass pane | 188 |
| MCP housing ALU, large, neutral | 189 |
| MCP housing large with glass pane, blue, similar to RAL 5015 | 186 |
| MCP housing large with glass pane, green, similar to RAL 6002 | 186 |
| MCP housing large with glass pane, orange, similar to RAL 2011 | 186 |
| MCP housing large with glass pane, red, similar to RAL 3020 | 185 |
| MCP housing large with glass pane, yellow, similar to RAL 1021 | 186 |
| MCP housing with glass, print: "Hausalarm-ESSER" | 188 |
| Metal key for large MCP | 192 |
| Microfilter | 288 |
| MKS multi criteria transmitter | 28 |

| Keyword | Page |
|--|------|
| Module housing for top-hat mounting rail | 225 |
| Module with interface M4-TTY | 78 |
| Module with RS232 interface | 78 |
| Module with RS422/RS485 interface | 78 |
| Mounting bracket for lintel installation | 164 |
| Mounting bracket for UniVario detectors | 246 |
| Mounting clip for 25 mm pipe | 292 |
| Mounting frame 19" rack for IQ8Control C/M | 30 |
| Mounting frame for small MCP, red and white | 205 |
| Mounting kit | 226 |
| Mounting plate for ceiling bracket for detector/single reflector | 263 |
| Mounting rail for FACP | 226 |
| Mounting rail set for connection terminals | 56 |
| Mounting set for LKM 781463 | 252 |
| Mounting spider for ceiling bracket | 263 |
| Multi-Client Capability | 119 |
| Multimode FO converter ST | 94 |
| Multi-Monitor | 119 |
| Multiple-sector interface in housing | 68 |
| Multi-stimulus detector tester TF 1001 | 175 |
| Multi-stimulus detector tester TF 2001 | 174 |
| N | |
| Nano coated reflector for LRMX | 262 |
| Nano detector cover | 264 |
| Network card essernet module 500 kBd for FlexES Control | 60 |
| Network card essernet module 62.5 kBd for FlexES Control | 60 |
| Network interference suppression filter type 2VK3 | 343 |
| Neutral front | 46 |
| Notification | 120 |
| O | |
| O/So optical smoke detector IQ8Quad with isolator | 146 |
| O ² T multisensor detector ES Detect | 135 |
| O ² T multisensor detector Ex (i) IQ8Quad FM without isolator | 371 |
| O ² T multisensor detector IQ8Quad FM with isolator | 362 |
| O ² T multisensor fire detector IQ8Quad Ex (i) w/o isolator | 156 |
| O ² T multisensor fire detector IQ8Quad with isolator | 142 |
| O ² T multisensor fire detector IQ8Quad without isolator | 142 |
| O ² T/F multisensor fire detector IQ8Quad with isolator | 148 |
| O ² T/FSp multisensor fire detector IQ8Quad with isolator | 151 |
| O ² T/FSp multisensor fire detector IQ8Quad with isolator, Brazil | 153 |
| O ² T/FSp multisensor fire detector IQ8Quad with isolator, composed version | 152 |
| O ² T/FSp multisensor fire detector IQ8Quad with isolator, customized version | 152 |
| O ² T/FSp multisensor fire detector IQ8Quad with isolator, Nordic | 153 |
| O ² T/FSp multisensor fire detector IQ8Quad with isolator, Russia | 153 |
| O ² T/So multisensor fire detector IQ8Quad with isolator | 147 |
| O ² T/Sp multisensor fire detector IQ8Quad with isolator | 149 |
| O ² T/Sp multisensor fire detector IQ8Quad with isolator, Brazil | 150 |
| O ² T/Sp multisensor fire detector IQ8Quad with isolator, composed version | 150 |
| O ² T/Sp multisensor fire detector IQ8Quad with isolator, customized version | 150 |
| Operating foil for large MCP 80490x, neutral | 190 |
| Operating front for printer and w. take-up reel - Austrian | 24 |
| Operating front for printer and w. take-up reel - Czech | 24 |
| Operating front for printer and w. take-up reel - Polish | 23 |
| Operating front for printer and w. take-up reel - Slovakian | 24 |
| Operating front for printer and w. take-up reel, English | 23 |
| Operating front for printer and with paper take-up reel - Croatian | 24 |
| Operating front with SZI 64 - ESSER, Arabic/English | 23 |
| Operating front with SZI 64 - ESSER, Belgian/Flemish | 23 |

Keyword Index

| Keyword | Page |
|---|------|
| Operating front with SZI 64 - ESSER, Croatian | 23 |
| Operating front with SZI 64 - ESSER, Czech | 23 |
| Operating front with SZI 64 - ESSER, Danish | 23 |
| Operating front with SZI 64 - ESSER, Dutch | 23 |
| Operating front with SZI 64 - ESSER, English | 23 |
| Operating front with SZI 64 - ESSER, French | 23 |
| Operating front with SZI 64 - ESSER, German | 23 |
| Operating front with SZI 64 - ESSER, German (Austria) | 23 |
| Operating front with SZI 64 - ESSER, Italian | 23 |
| Operating front with SZI 64 - ESSER, Polish | 23 |
| Operating front with SZI 64 - ESSER, Romanian | 23 |
| Operating front with SZI 64 - ESSER, Russian | 23 |
| Operating front with SZI 64 - ESSER, Slovakian | 23 |
| Operating front with SZI 64 - ESSER, Slovenian | 23 |
| Operating front with SZI 64 - ESSER, Spanish | 23 |
| Operating front with SZI 64 - ESSER, Turkish | 23 |
| Operating front with SZI 64 - ESSER, Walloon (Belgium/ French) | 23 |
| Operating module front - ESSER, Arabic/English | 22 |
| Operating module front - ESSER, Croatian | 22 |
| Operating module front - ESSER, Czech | 22 |
| Operating module front - ESSER, Danish | 22 |
| Operating module front - ESSER, Dutch | 22 |
| Operating module front - ESSER, English | 22 |
| Operating module front - ESSER, Flemish (Belgium/Dutch) | 22 |
| Operating module front - ESSER, French | 22 |
| Operating module front - ESSER, French (Switzerland) | 22 |
| Operating module front - ESSER, German | 22 |
| Operating module front - ESSER, German (Austria) | 22 |
| Operating module front - ESSER, Hungarian | 22 |
| Operating module front - ESSER, Italian | 22 |
| Operating module front - ESSER, Polish | 22 |
| Operating module front - ESSER, Portuguese | 22 |
| Operating module front - ESSER, Romanian | 22 |
| Operating module front - ESSER, Russian | 22 |
| Operating module front - ESSER, Serbian | 22 |
| Operating module front - ESSER, Slovakian | 22 |
| Operating module front - ESSER, Slovenian | 22 |
| Operating module front - ESSER, Spanish | 22 |
| Operating module front - ESSER, Turkish | 22 |
| Operating module front - ESSER, Walloon (Belgium/French) | 22 |
| Optical alarm signaling device EN 54-23 cat. W+C, red flash | 303 |
| Optical alarm signaling device, EN 54-23 cat. W+C, white flash | 304 |
| Optical alarm signaling device, yellow flash | 304 |
| Optical smoke detector ES Detect | 134 |
| Optical Smoke Detector ES Detect with relay contact, 48 V DC operation | 135 |
| Optical smoke detector Ex (i) IQ8Quad FM without isolator | 371 |
| Optical smoke detector IQ8Quad Ex (i) w/o isolator | 155 |
| Optical smoke detector IQ8Quad FM with isolator | 362 |
| Optical smoke detector IQ8Quad with isolator | 140 |
| Optical smoke detector IQ8Quad without isolator | 140 |
| Option control group indication and alarm counter for ECP 8010, German | 68 |
| Option IP55 shrink sleeve for large MCP 80490x | 191 |
| O-Ring for deep base | 309 |
| OSID Emitter High Power | 259 |
| OSID Emitter Standard Power | 258 |
| OSID Emitter Standard Power, Battery Version | 258 |
| OSID Imager - 38° coverage | 257 |
| OSID Imager - 7° coverage | 257 |
| OSID Imager - 80° coverage | 258 |
| OSID installation kit | 259 |
| OT multisensor fire detector IQ8Quad with isolator | 141 |
| OTblue multisensor detector ES Detect | 134 |
| OTblue multisensor detector IQ8Quad FM with isolator | 362 |

| Keyword | Page |
|---|------|
| OTblue multisensor fire detector IQ8Quad with isolator | 141 |
| OTblue-LKM multisensor detector ES Detect | 250 |
| OTblue-LKM multisensor detector IQ8Quad with isolator | 251 |
| OTG multisensor detector (CO) IQ8Quad FM with isolator | 363 |
| OTG multisensor fire detector (CO) IQ8Quad with isolator | 143 |
| OVP module | 339 |
| OVP module for control outputs | 339 |
| OVP module for esserbus/esserbus-PLus loop | 339 |
| OVP module for essernet and RS485 interfaces | 338 |
| OVP module for TTY interfaces and conventional zones | 338 |
| OVP module including base support for 230 V power supply line | 338 |
| P | |
| Peripheral module | 26 |
| Peripheral module with 1 additional micromodule slot | 26 |
| Pipe (ABS), diameter 25 mm | 290 |
| Pipe cutter for PVC and ABS pipes | 293 |
| Plastic key for large MCP | 192 |
| Plastic spare key for small MCP | 205 |
| Plastic telescopic extension | 173 |
| Plastic telescopic rod | 172 |
| Power supply 0.5A 24-38AH PSU-STX silver | 281 |
| Power supply extension 24 V/12 Ah | 48 |
| Power supply extension 24 V/24 Ah | 49 |
| Power supply extension FM 24 V/12 Ah | 352 |
| Power supply extension FM 24 V/24 Ah | 353 |
| Power supply module (802426) f. esserbus-PL, 150 W | 26 |
| Power supply module 24 V DC 150 W | 51 |
| Power supply module cascading cable 2.5 m | 50 |
| Printer paper for printer 736233/736234/784892, IQ8Control C/ M | 29 |
| Printer paper for printer 736259/784882, IQ8Control C/M | 29 |
| Programming software tools 8000 | 33 |
| Protective cage | 169 |
| Protective cover for manual call points, English | 193 |
| Protective cover for manual call points, German | 192 |
| Protective kit for MCP and TAL, transparent | 205 |
| R | |
| Rack cabinet 19" with fixed gate for FlexES Control, incl. mounting | 58 |
| Rate-of-rise detector ES Detect | 133 |
| Rate-of-rise heat detector IQ8Quad Ex (i) w/o isolator | 155 |
| Rate-of-rise heat detector IQ8Quad FM with isolator | 363 |
| Rate-of-rise heat detector IQ8Quad with isolator | 139 |
| Rate-of-rise heat detector IQ8Quad without isolator | 140 |
| Redundant control module FM for FlexES Control | 358 |
| Redundant control module for FlexES Control | 60 |
| Reflector set for LRMX, for ranges of up to 100 m | 262 |
| Reflector set for LRMX, for ranges of up to 80 m | 262 |
| Remote indicator esserbus-PLus f. detector Series 9200/ IQ8Quad, blue lens | 335 |
| Remote indicator esserbus-PLus f. detector Series 9200/ IQ8Quad, red lens | 334 |
| Remote indicator for Series 9000 / ES Detect, red lens | 333 |
| Remote indicator for Series 9000, 9200 and IQ8Quad, red lens | 334 |
| Repeater panel GMT 4000 for FlexES Control, flush mounted | 76 |
| Repeater panel GMT 4000 for FlexES Control, surface mounted | 77 |
| Replacement air filter pads for 801544 | 288 |
| Replacement filter element for 801600 | 289 |
| Resettable element for small MCP | 204 |
| RS 232/TTY serial interface module | 27 |
| S | |
| Scorpion Control Unit Panel SCORP 8000 | 293 |

Keyword Index

| Keyword | Page |
|--|------|
| Scorpion Head Unit Kit SCORP 2001 | 294 |
| Scorpion Power pack SCORP 50 | 294 |
| Seal for deep base | 309 |
| SEI serial essernet interface EDP, bidirectional | 95 |
| SEI serial essernet interface EDP, unidirectional | 94 |
| Sensor cable, black | 255 |
| Sensor cable, black, with steel braiding | 255 |
| Sensor cable, blue | 255 |
| Serial connecting cable for 789862.10 | 35 |
| Server license | 117 |
| Service drawer (1 HU) | 57 |
| Service key for electronic module (Part No. 80490x) | 192 |
| Single client license | 118 |
| Single reflector for LRMX | 262 |
| Singlemode FO converter ST | 93 |
| Sleeve (ABS) for 25 mm pipe | 290 |
| Small conventional MCP Ex (i) IP 66/67, red with glass pane | 208 |
| Small IQ8MCP Ex (i) IP 66/67, red with glass pane | 209 |
| Smoke capsule for multi-stimulus detector tester 805550/51 | 175 |
| Smoke detector tester | 176 |
| Smoke pellets for testing purposes | 179 |
| Smoke pen | 179 |
| Smokesabre test gas for smoke detectors | 177 |
| Solo Universal Fast Battery Charger SOLO 726 | 294 |
| Sound absorber for TITANUS EB | 288 |
| Sounder N120 | 298 |
| Sounder, red | 301 |
| Sounder, white | 302 |
| Spare battery baton | 178 |
| Spare filter for air duct detector UG7 | 251 |
| Spare glass pane for MCP housing 70490x, 7048xx and 761694/97 | 190 |
| Spare glass pane for small MCP, EN54 | 204 |
| Spare glass pane for small MCP, EN54, neutral | 204 |
| Spare glass pane red for MCP housings 7047xx and 7048xx | 190 |
| Spare keys (No. 1D009) | 31 |
| Spare keys (No. 801) | 31 |
| Spare keys (No. 901) | 31 |
| Spare wicks for Smoke pen (Part No. F-SP) | 179 |
| Special painting IQ8Quad detector | 160 |
| Special painting IQ8Quad detector base | 160 |
| Standard base UniVario | 246 |
| Standard detector base for IQ8Quad and ES Detect | 159 |
| Standard detector base IQ8Quad, ES Detect FM | 364 |
| Standard LED remote indicator panel | 70 |
| Starter kit equipment PLUS with programming software tools 8000 | 33 |
| Suction hose set for 25 mm pipe | 291 |
| Supporting rails for wall mounting | 29 |
| Surcharge low quantity | 160 |
| Surcharge non RAL coating | 160 |
| Surface mount housing for small MCP, blue, similar to RAL 5015 | 203 |
| Surface mount housing for small MCP, gray, similar to RAL 7035 | 203 |
| Surface mount housing for small MCP, green, similar to RAL 6002 | 203 |
| Surface mount housing for small MCP, orange, similar to RAL 2011 | 203 |
| Surface mount housing for small MCP, red, similar to RAL 3020 | 203 |
| Surface mount housing for small MCP, yellow, similar to RAL 1021 | 203 |
| Surface spacer for protective cover | 193 |
| Switched-mode power supply with cylindrical plug | 35 |
| SZI front for 192 detector zones | 25 |

| Keyword | Page |
|---|------|
| T | |
| TCP/IP converter, Ethernet RS232 / RS485 | 97 |
| Telescopic rod | 178 |
| Terminal card for panel 8010 in 19" rack, 1 m | 67 |
| Terminal card for panel 8010 in 19" rack, 2 m | 67 |
| Test gas for smoke detector tester 805582 | 176 |
| Test head for heat detector together with battery and charger | 178 |
| Text page input | 114 |
| Thermal paper 57 mm x 30 m | 80 |
| Threaded joint, detachable, 25 mm | 291 |
| Top-hat rail | 226 |
| Touchscreen operating unit, cavity wall mount | 73 |
| Touchscreen operating unit, surface mount | 73 |
| T-Piece (ABS) for 25 mm pipe | 290 |
| Transponder mounting plate FlexES Control for PSU | 50 |
| U | |
| Univ. bracket for F5000 or prism plate 761440/761441 | 266 |
| Universal gateway for PC (software) | 110 |
| Upgrade of basic software WINMAG plus | 104 |
| Upgrade WINMAG ... V5 to WINMAG plus | 104 |
| USB cable A/B for 789862.10 field bus and panel interface | 34 |
| USB programming cable for ECP 8010 | 34 |
| User interface Windows authentication | 120 |
| UV/IR flame detector (Ex) X 5200 | 248 |
| V | |
| VEA 4mm Microbore Tube (UL) Rated 500ft | 279 |
| VEA 4mm to 4mm Joiner Right Angle 10 Pac | 279 |
| VEA 4mm to 4mm Joiner Straight 10 Pack | 279 |
| VEA 6mm Microbore Tube (UL) Rated 1000ft | 279 |
| VEA 6mm to 4mm Reducer 10 Pack | 279 |
| VEA 6mm to 6mm Joiner Right Angle 10 Pac | 279 |
| VEA 6mm to 6mm Joiner Straight 10 Pack | 279 |
| VEA Blanking Plug 6mm 50 Pack | 279 |
| VEA Filter | 279 |
| VEA Pump | 280 |
| Venturi air duct module for IQ8Quad OTblue-LKM | 249 |
| Venturi tube, 0.6 m | 252 |
| Venturi tube, 1.5 m | 252 |
| Venturi tube, 2.8 m | 252 |
| VEP with LEDs, 1 pipe | 273 |
| VEP with LEDs, 4 pipes | 274 |
| VESDA- E VEA M/bore Tube Cutter | 280 |
| VESDA filter for VEU, VEP | 277 |
| VESDA intelligent filter spare part | 277 |
| VESDA LaserFOCUS VLF-250 | 274 |
| VESDA LaserFOCUS VLF-500 | 274 |
| VESDA VEP 4 pipe with Display | 275 |
| VESDA VLI with Relays and Ethernet Only | 276 |
| VESDA VLI with VESDAnet | 276 |
| VESDA-E Series aspirator | 277 |
| VESDA-E STX PSU 2A 24AH | 280 |
| VESDA-E VEA 40-Relay Local StaX | 278 |
| VESDA-E VEA 4mm Standard Sampling Point | 278 |
| VESDA-E VEA 6mm Standard Sampling Point | 278 |
| VESDA-E VEA 6mm Surface Mount White Sampling Point | 278 |
| VESDA-E VEA Sample Point Head Removal Key | 280 |
| VESDA-E VEA-40 Aspirating Smoke Detector | 275 |
| VESDA-E VEU with 3.5" Display | 273 |
| VESDA-E VEU with LED's | 272 |
| VLI Aspirator Spare Part | 277 |
| VLI Secondary Filter Spare Part | 277 |
| VLI VESDANET CARD | 277 |

Keyword Index

| Keyword | Page |
|---|------|
| W | |
| Wall mount housing gray for esserbus transponder FCT | 229 |
| Waterproof case IP 66/67 for remote indicator | 335 |
| Weather protection housing for detector | 252 |
| Weather protective cover for MCP housings 7047/48xx, blue | 194 |
| Weather protective cover for MCP housings 7047/48xx, red | 194 |
| WINMAG plus control center software - subsequent upgrade | 105 |
| WINMAG plus licence - SeeTec video connection | 107 |
| WINMAG plus license - MaxPRO VMS | 106 |
| WINMAG plus license - 4 monitor support option | 112 |
| WINMAG plus license - ability for customized interface rights (client-side) | 112 |
| WINMAG plus license - access control | 106 |
| WINMAG plus license - AutoCAD | 113 |
| WINMAG plus license - BACnet client | 111 |
| WINMAG plus license – BACnet server | 110 |
| WINMAG plus license - client | 113 |
| WINMAG plus license - connection server | 109 |
| WINMAG plus license - connection server developers kit | 109 |
| WINMAG plus license - Dallmeier video | 107 |
| WINMAG plus license - Data points package | 110 |
| WINMAG plus license - DS 6750/7700 | 108 |
| WINMAG plus license - DTMF control option | 112 |
| WINMAG plus license - DTS integration | 113 |
| WINMAG plus license - escalation | 112 |
| WINMAG plus license - fire detection technology | 105 |
| WINMAG plus license - Galaxy EMT | 106 |
| WINMAG plus license - Geutebrück | 107 |
| WINMAG plus license - interfacing DEZ 9000 | 108 |
| WINMAG plus license - intrusion detection technology | 105 |
| WINMAG plus license - notification | 112 |
| WINMAG plus license - nurse call systems | 108 |
| WINMAG plus license – OPC client | 110 |
| WINMAG plus license – OPC server | 110 |
| WINMAG plus license - redundancy | 113 |
| WINMAG plus license - rescue route technology/escape door control | 107 |
| WINMAG plus license - RTD | 108 |
| WINMAG plus license - video technology | 106 |
| WINMAG plus license - WEBX | 112 |
| WINMAGLite upgrade to WINMAG plus full version | 104 |

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