



VERSION APOLLO

Fire Alarms

Trade Price List

2020/2021



NSC Fire Control Panels

**Modular solutions
for Fire Alarms**

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valid from 1st of June, 2020

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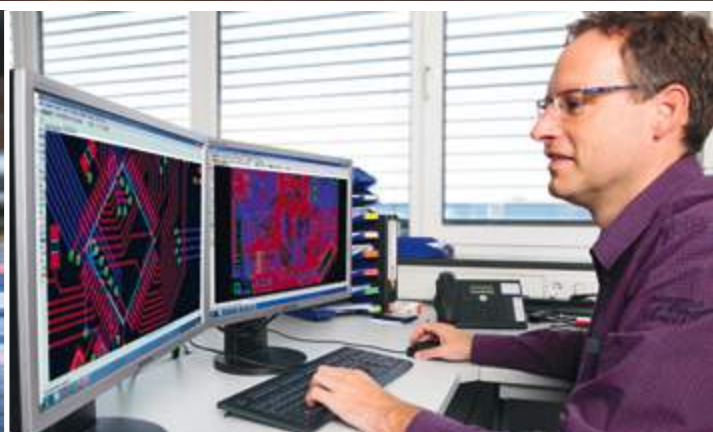
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**innovative
Fire Alarm Systems
without compromise
from Bielefeld**



Sales in over 35 countries



Development of new products



Quality Management acc. to DIN EN ISO 9001



Quality „Made in Germany“

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Managing Directors



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Placing orders per email

We have a central email address to make sure that your order will be handled in case your personal contact is absent.

Email: order@nsc-sicherheit.de

Conditions of Sale

1. MINIMUM ORDER VALUE

- We would like to draw your attention to the fact that we cannot process orders below a net order value of 100,00€. If you wish to do so, these orders will be subject to a minimum quantity surcharge of 35,00€ net. Spare parts deliveries are excluded.

2. CANCELLATION CONDITIONS

- The processing and re-storage of returns causes high costs. Please consider that the following dues will be charged in such cases as:
- Cancellation of already placed orders: 10% of the net order value; at least 100,00€
- Decay of given credit if returning or returning products in original packaging: 10% of the net price (unpacked)
- Decay of given credit if returning or returning products in not original packaging: 20% of the net price (opened)
- Attention: repayments for returns only grants if return within 4 weeks of date of the delivery note.

3. WARRANTY

- All products are subject to a warranty of 24 months from date of delivery.
- For products with Hochiki ESP (Enhanced System Protocol, Chapter 2, 7) does apply a warranty period of 36 months from date of delivery.

4. POSTAL CHARGES AND GENERAL PACKING FLAT RATE

- All prices ex works
- Freight for small consignments (up to 1.000,00€ net) are charged as a lump sum of 8,50€ per package
- Particularly large or heavy shipments as well as shipments of high value will be charged separately or unless mentioned with 1,3% of value of the goods
- Please ask for foreign deliveries as they are handled separately

5. VALIDITY / PRICES / CHANGES

- This price list applies to all orders placed for delivery on or after 1st of June 2020 and supersedes all previous price lists.
- **Changes and errors reserved. Every effort has been made to ensure the accuracy of this price list but no responsibility can be accepted by NSC for any mistake.**
- Prices and technical data are subject to change without any prior notice.

6. GENERAL STANDARD TERMS AND CONDITIONS

- All goods supplied and services provided are subjected to our standard "Allgemeine Geschäftsbedingungen" which you can read and download under www.nsc-sicherheit.de



Solution F2

The compact and handy
fire alarm control panel

1 Fire Control Panels and Accessories

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Conventional Fire Control Panels

Order No.	Unit price	Description
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B01000-01

382,00

Conventional Fire Control Panel with 6 zones according DIN VdE 0830, English version



- **6 zones for conventional detectors Hochiki CDX range or Apollo Series 60/65/Orbis**
- 1x relay output, fault condition (normally closed)
- 1x relay output, alarm condition per zone
- 1x relay output, AUX
- 2x monitored output for sounders/VAD
- 2x 24V DC output
- Alarm indication LED for each zone
- Monitoring system functions
- Monitored battery charge
- no batteries included

Technical specifications

Mains AC	220-240V AC, 50/60 Hz
Operating voltage	24V DC
Power supply unit	24V DC/ 400 mA
Relay outputs	3 x 30V DC/ 5A
Battery charger max.	2x 12V/2,6Ah
Operating temperature	0°C to +50 °C
IP rating	IP 30
Dimensions (WxHxD)	325 x 240 x 85 mm
Housing	ABS, white
Weight	1,4 kg w/o Battery

Certifications

EC certificate	0848-CDR-004
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B01000-04

284,00

Conventional Fire Control Panel with 4 zones according DIN VdE 0830, English version

- As above (B01000-01) but :
- **4 zones for conventional detectors Hochiki CDX range or Apollo Series 60/65/Orbis**

B01000-02

250,00

Conventional Fire Control Panel with 2 zones according DIN VdE 0830, English version

- As above (B01000-01) but :
- **2 zones for conventional detectors Hochiki CDX range or Apollo Series 60/65/Orbis**

B01010-00

12,80

Spare key for Conventional Fire Control Panel with 2/6 zones

Addressable Fire Control Panel „Solution F2“

Order No.	Unit price	Description
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B01070-00

998,00

Fire Control Panel „Solution F2“ incl. one Loop Module, PSU 2,5A and Housing A



Modular, intelligent and very modern Fire Control Panel for analogue addressable detectors. Ideal for small and middle size applications. Supports Hochiki ESP detectors as well as Apollo XP95 and Discovery.

The standard configuration includes

- 1 loop supporting 127 (126) detectors / modules / Loop-Sounder (in case of Hochiki ESP : plus 127 loop sounders in the upper address range)
- max. cable length 3.500 m (2x2x0,8)
- 100% compatible to Hochiki ESP detectors and Apollo XP95 and Discovery
- **PSU 24V / 2,5A**
- **Main board and Control Panel incl. graphics LCD 240 x 64**
- Slot for second loop module
- Slot for RS485 extension card
- 2 programmable push buttons
- 250 programmable zones
- Event log for 3000 messages
- USB interface for PC configuration
- 2 further RS232 interfaces
- 2 separate power outputs for alarm transmission device / sounders / strobes, each 24V / 500 mA
- Up- and Download of operating software
- 3 programmable relays (30V DC / 1 Amp)
- 8 digital O/C outputs, programmable
- Earth fault detection
- 3 fused power supply outputs

Possible extensions

- 2. loop module, part no. B01100-00
- Interface module RS485, part no. B01115-00
- modem for remote access B01370-00, Webserver B01380-00

Technical specifications	
Mains AC	230V AC, 50/60 Hz
Operating voltage	24 V DC
Power Supply Unit	2,5 A
Quiescent current	101 mA
Loop current	max. 450 mA
Loop cable length	max. 3500m; JY-(ST)Y-2x2x0,8
Operating temperature	-5°C to +40°C
Humidity	max. 95 %
IP rating	IP 30
Loops / Stub lines	1 (max 2) / 2 (max 4)
Battery capacity	max. 12 Ah / 24 V
Dimensions (WxHxD)	370 x 320 x 128 mm
Weight	6,5 kg w/o Batteries
Certifications	
VdS-No.	G 208145
VdS System approval	S 205024
EC certificate	0786-CPR-20670

Order No.	Unit price	Description
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B01090-00

1.230,00

Fire Control Panel „Solution F2“ incl. one Loop Module, PSU 3,5A and Housing B2



- Modular, intelligent and very modern Fire Control Panel for analogue addressable detectors. Ideal for small and middle size applications. Supports Hochiki ESP detectors as well as Apollo XP95 and Discovery. Software incorporates all above mentioned protocols.
- Standard configuration as B01070-00 but additional:
 - PSU 24V / 3,5A
 - Main Board and Control Panel incl. graphics LCD 240x64
 - Slot for I/O extension
 - Space for batteries 2 x 24Ah/12V

Possible extensions

- 2. loop module order no. B01100-00
- I/O module, order no. B01110-00
- Interface module RS485, order no. B01115-00
- 2 x 32 zone LEDs, order no. B01220-00
- 2 x Relay Card, order no. B01330-00
- Built-In-Printer, order no. B01230-00
- modem for remote access B01370-00 and Webserver B01380-00

Technical specifications	
Mains AC	230V AC, 50/60 Hz
Operating voltage	24 V DC
Power Supply Unit	3,5 A
Quiescent current	101 mA
Loop current	max. 450 mA
Loop cable length	max. 3500m; JY-(ST)Y-2x2x0,8
Operating temperature	-5°C to +40°C
Humidity	max. 95 %
IP rating	IP 30
Loops / Stub lines	1 (max 2) / 2 (max 4)
Battery capacity	max. 26 Ah / 24 V
Dimensions (WxHxD)	500 x 440 x 175 mm
Weight	8,5 kg w/o Batteries
Certifications	
VdS-No.	G 208145
VdS System approval	S 205024
EC certificate	0786-CPR-20670

B01080-00

1.298,00

Fire Control Panel „Solution F2“ incl. one Loop Module, PSU 3,5A and Housing B1



- As above (B01090-00) but with optional zone LEDs

Certifications	
VdS-No.	G 208145
VdS System approval	S 205024
EC certificate	0786-CPR-20670

Order No.	Unit price	Description
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B01100-00

248,00

Loop extension module

This loop module provides one additional loop for the "Solution F2" panel and it supports the Hochiki ESP detectors as well as Apollo XP95 and Discovery detectors. 127 detectors, beacons and modules can be connected (Apollo 126). In case of using Hochiki's ESP protocol further 127 base sounders can be addressed in the upper address range.

Technical specifications	
Quiescent current	max. 9 mA
Loop-current	max. 450 mA
Loop cable length	max. 3,5 km
Dimensions (WxHxD)	120 x 60 x 20 mm
Weight	60 g
Certifications	
VdS-No.	G 208145

B01110-00

298,00

I/O Interface Card

This module can be used as universal I/O module or as interface for the Fire Brigade. Peripheral devices as Fire Brigade Control Panel, the Alarm Transmission Device and the Key-Deposit-Box can be connected.

- **Attention: only available for B01080-00 and B01090-00**
- 3 programmable dry relay contacts
- 2 programmable and monitored power outputs (e.g. for sounder / beacons)
- 1 monitored input (zone)
- 8 digital & programmable inputs
- 8 digital & programmable outputs

Technical specifications	
Quiescent current	3 mA
Relay contacts	max. 30V DC / 1 A
DC outputs	2 x 24V DC / 500mA each
OC outputs	max 30V DC / 50 mA each
Monitored outputs	3 x 24V DC / 500 mA each
Dimensions (WxHxD)	190 x 75 x 25 mm
Weight	150 g
Certifications	
VdS-No.	G 208145

B01115-00

268,00

RS485 Interface card (redundant)

The RS485 interface card provides two separate RS485 interfaces (redundant). So these can be used to connect building management systems (BMS) or LCD repeater panels. If you are using them as a redundant RS485 interface the Fire Brigade LCD Repeater Panel (FAT) can be connected according to DIN 14662.

- The protocol and the baud rate are programmable by the "Solution F2" software.
- Fused power supply output

Technical specifications	
Quiescent current	16 mA
RS-485 interface	2 x (redundant)
Cable length, RS-485	max 1.200 m
Power supply output	2 x 24V DC / 500mA
Dimensions (WxHxD)	90 x 50 x 20 mm
Weight	50 g
Certifications	
VdS-No.	G 208145

Order No.	Unit price	Description
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B01220-00

138,00

32-LED zone indication module

- LED module with 32 red / 32 yellow LEDs for zone indication
- For mounting behind front plate
- Zone LEDs programmable

**Technical specifications**

Dimensions (WxHxD)	104 x 150 x 26 mm
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Certifications

VdS-No.	G 208145
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B01230-00

490,00

Printer (Built-In version) with RS-232 interface and power supply

- Can be mounted in F2 housings B1 and B2
- Interfacing to F2 Fire Alarm Control Panel by included RS-232 interface
- Thermal printer with 40 characters per line
- Controller and power supply included
- Memory 4 k RAM included for fast data transmission

**Technical specifications**

Operating voltage	24V DC
Quiescent current	60 mA
Paper width	58 mm
Characters / line	40
Colour	grey
Dimensions (WxHxD)	85 x 85 x 70 mm

B01231-00

4,00

Spare paper role for Printer

- One role 58mm, diameter 37mm

B01330-00

212,00

Universal Relay card with 8 dry c/o contacts

- 8 programmable dry relay contacts (250V/5A)
- Pluggable terminals for easy service / wiring
- Activation e.g. by O/C output of loop card / conventional detector card
- Possibility of "Unset Mode" in case of maintenance of the system

**Technical specifications**

Quiescent current	5 mA
Contacts	8 change over
Max. Load	250V AC / 5 A
Weight	200 g
Dimensions (WxHxD)	127 x 85 x 20 mm

Certifications

VdS-No.	G 208145
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Extinguishing components for „Solution F2“

Order No.	Unit price	Description
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B01325-00

880,00

Extinguishing control board P129 for Solution F2, for one extinguishing area, in accordance with EN12094-1



- Electronic, automatic control- and delay board for extinguishing controls for installation in Solution F2. Structure and function strictly in accordance with EN12094-1.
- Installation in Solution F2, max. 1 board
- 4 x conventional zones to connect MCPs
- 4 x monitored inputs
- 4 x valve control outputs 1.5A/24V each
- 2x monitored outputs 0.5A/24V for sounders and visual alarm devices
- 2 x relays with dry contacts 1A/30V DC
- The additional display board indicates operational status. The operation of functions occurs by the control panel. Please order the display board B01225-00 separately for mandatory indications

Technical specifications

Quiescent current	90 mA
Relais	ea 30V / max. 1A
Valve outputs	ea 24V / max. 1,5A
Control outputs	ea 24V / max. 0,5A
Temperature range	-5°C to +40°C
Humidity	max. 95% rel. H.
Weight	188 g
Dimensions (WxHxD)	170 x 110 x 20 mm
Certifications	
VdS-No.	G 208145

B01125-00

98,00

Front Plate „extinguishing zone“ for Solution F2



- For displaying of 1 extinguishing area
- Please order extinguishing range display B01225-00 separately
- Supplied without key switch B01205-20

Technical specifications

Colour	RAL 7036
Material	Polyester
Temperature range	-10°C to +80°C
Weight	20 g
Dimensions (WxHxD)	113 x 110 x 1 mm
Certifications	
VdS-No.	G 208145

Order No.	Unit price	Description
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B01225-00

98,00

Extinguishing Display Module for one extinguishing area

- Display board for one extinguishing area, installation into Solution F2; Structure and functions strictly according to EN12094-1.
- Only one board can be installed
- LEDs are indicating operation status
- Incl. flat cable and mounting material

Technical specifications

Quiescent current	0,2 mA
Temperature range	-5°C to +40°C
Weight	16 g
Dimensions (WxHxD)	t70 x 54 x 12 mm

Certifications

VdS-No.	G 208145
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B01205-20

63,00

Optional key switch (low voltage) for the extinguish area display

- Installation into front panel of the FCP
- For manual blocking function, revision
- Closure „2“
- 3 key withdrawal positions

Technical specifications

Weight	60 g
Dimensions (LxD)	50 x 28 mm

Certifications

VdS-No.	G 208145
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B01342-00

258,00

Connection box „Cascading“ Extinguishing control board P129

B01341-00

142,00

Extensions – Standard Extinguishing Interface (SST) for extinguishing control board / I/O-extension

- The standard interface comes with 4, open-circuit and short-circuit, monitored inputs for connecting signals of the fcp, e.g. “FCP-release”
- Furthermore there are 4 potential-free changeover contacts available as outputs to transmission control signals, e.g. “transmission transfer state
- Inputs and outputs are among each other and independently freely programmable.

Technical specifications

Quiescent current	0,2 mA
Relays (4 dry contacts)	Ea max. 30 V / max 1 A
Electronic inputs	3k3 / 680 Ohm
Temperature range	-5°C to +40°C
Humidity	max. 95% Humidity
Weight	31 g

Certifications

VdS-No.	G 208145
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Configuration table for „Solution F2“

Loop capacity

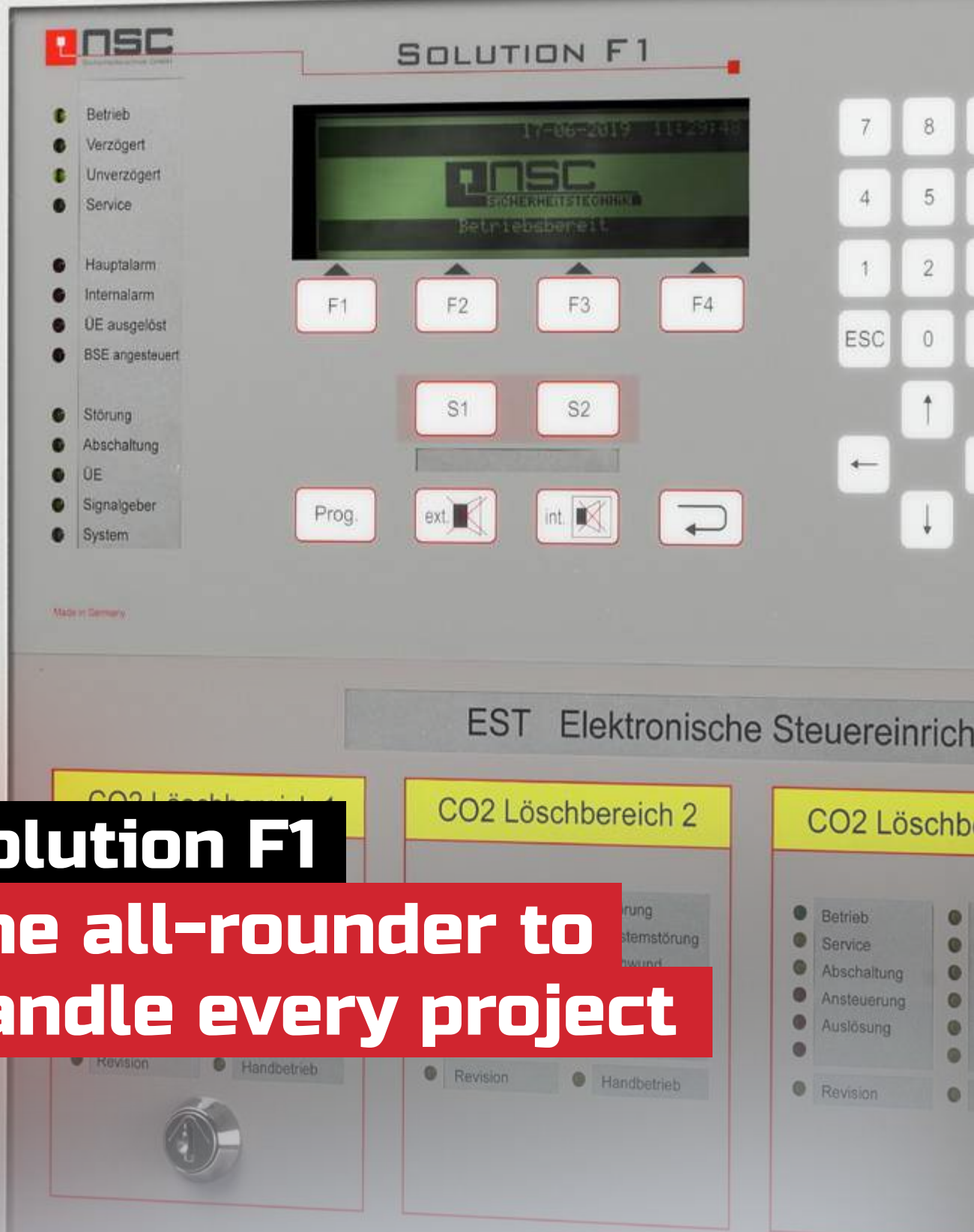
Hochiki: 1 Loop = 127 detectors/ modules/ Loop sounder

Apollo: 1 Loop = 126 detectors/ modules/ Loop sounders



All extensions max. 1 pcs.

FCP Version:	B01070-00	B01080-00	B01090-00
Housing	Housing A	Housing B1	Housing B2
Loop capacity	1	1	1
Power Supply Unit	24 V / 2,5 A	24 V / 3,5 A	24 V / 3,5 A
Battery capacity (max., 2x)	12 Ah / 12 V	26 Ah / 12 V	26 Ah / 12 V
2nd Loop Module	✓	✓	✓
I/O Extension	-	✓	✓
RS485 Interface, redundant	✓	✓	✓
Extensions			
2nd Loop Module	B01100-00	B01100-00	B01100-00
I/O Extension	-	B01110-00	B01110-00
RS485 Interface, redundant	B01115-00	B01115-00	B01115-00
32er Zone LEDs (max. 2x)	-	B01220-00	-
Built-In Printer	-	B01230-00	B01230-00
Relay Card (8 dry c/o contacts)	-	B01330-00	B01330-00
Analogue Telephone Modem	B01370-00	B01370-00	B01370-00
NSC Webserver Module	B01380-00	B01380-00	B01380-00
Extinguishing control board	-	B01325-00	B01325-00
Film front panel	-	B01125-00	B01125-00
Extinguishing control board	-	B01225-00	B01225-00
Optinal key switch	-	B01205-20	B01205-20
Standard extinguishing interface	-	B01341-00	B01341-00
Batteries, max. 2 Stk.			
Battery, 12 V / 12 Ah	X95200-12	X95200-12	X95200-12
Battery, 12 V / 18 Ah	-	X19176-30	X19176-30
Battery, 12 V / 26 Ah	-	X95615-00	X95615-00



Solution F1

The all-rounder to handle every project

Modular Fire Control Panels „Solution F1“

Order No.	Unit price	Description
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B01050-00

1.824,00

Fire Control Panel „Solution F1-6“ Standard configuration for 2-6 loops and max. 762 detectors / modules with power supply 4,2 Amp / 24 V DC included



Modular, intelligent and ultra-modern Fire Control Panel for analogue addressable detectors and conventional detectors. Prepared for 2 to 6 loops and / or 8 to 24 conventional zones. Supports Hochiki ESP and CDX detectors as well as Apollo Orbis, XP95 and Discovery.

The standard configuration includes :

- Power supply 24V / 4,2A, main board with 32 bit CPU and Touch Control Panel with graphics LCD module 240 x 64 pixel
- Slots for up to 3 loop cards and / or conventional detector cards
- Fire brigade key depot , fire brigade control panel interface and F.B. activation as standard equipment as well as a redundant RS-485 interface (Fire brigade display tableau)
- 8 programmable push buttons
- max. of 512 zones can be organized
- Event log for 10.000 messages
- USB interface for PC configuration
- Up- and Download of operating software
- 100 % redundant RS-485 interface
- 3 separate RS-232 interfaces
- Interface for transmission modem "I-Module" (option). Transmission can be by analogue modem, ISDN or Webserver (new !!)
- 4 programmable relays
- 2 conventional zones for special applications like monitoring of extinguishing systems
- 16 programmable digital O/C outputs
- 8 programmable monitored inputs
- 3 opto coupled outputs
- Earth fault detection
- Slot for 2 x network card (redundant network possible)
- 4 fused power supply outputs 24V / 1A

Please order housing separately.

Technical specifications	
Mains AC	230 V AC, 50/60 Hz
Operating voltage	24 V DC
Quiescent current	90 mA
Loops / Spurs	2 – 6 / 8 - 24
Power supply	4,2 A / 24 V
Batteries	max. 40 Ah / 24 V
IP rating	IP 30
Weight (with Housing A1)	ca. 14,9 kg
Dimensions	see Housing
Certifications	
VdS-No.	G 205024
VdS-System approval	S 205024
EC certificate	0786-CPR-20907

Order No.	Unit price	Description
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B01060-00 2.270,00

Fire Control Panel „Solution F1-18“ Standard configuration for 2-18 loops and max. 2.286 detectors / modules with power supply 6,7 Amp / 24 V DC included



Modular, intelligent and ultra-modern Fire Control Panel for analogue addressable detectors and conventional detectors. Prepared for 2 to 18 loops and / or 8 to 72 conventional zones. Supports Hochiki ESP and CDX detectors as well as Apollo Orbis, XP95 and Discovery.

Additional features compared to „Solution F1-6“

- Panel can control up to 2.286 detectors / modules
- Power supply 24 V / 6,7 A included
- Slots for max. 9 loop cards and / or conventional detector cards
- max. of 1.024 zones can be organized
- Event log for 10.000 messages
- USB host interface e.g. for USB stick for export of panel data
- Metal rack for additional mounting area inside the panel (for system components)
- Interface for TFT display
- Slot for SD card to extend data memory

Please order housing separately.

Technical specifications	
Mains AC	230 V AC, 50/60 Hz
Operating voltage	24 V DC
Quiescent current	90 mA
Loops / Spurs	2 – 18 / 8 - 72
Power supply	6,7 A / 24 V
Batteries	max. 65 Ah / 24 V
IP rating	IP 30
Weight (with Housing B1)	ca. 19,5 kg
Dimensions	see Housing
Certifications	
VdS-No.	G 205024
VdS-System approval	S 205024
EC certificate	0786-CPR-20907

B01050-20 3.380,00

Fire Control Panel „Solution F1-6“

with SIL2 approval - else like B01050-00



SIL2 Features :

- SIL2 approved according to IEC 61508
- 100% redundant CPU
- All boards completely coated with protectiv lacquer
- Requires redundant loop cards
- Remote monitoring of the FCP for operation must be ensured

B01060-20 3.826,00

Fire Control Panel „Solution F1-18“

with SIL2 approval - else like B01050-00



SIL2 Features :

- SIL2 approved according to IEC 61508
- 100% redundant CPU
- All boards completely coated with protectiv lacquer
- Requires redundant loop cards
- Remote monitoring of the FCP for operation must be ensured

System components of FCP „Solution F1“

Order No.	Unit price	Description														
B01200-00	154,00	19"- 4U front plate for up to 96 zone indication LEDs <ul style="list-style-type: none"> Up to 3 zone indication LED modules B01220-00 can be assembled behind this metal plate Poly carbonate foil looks very worthwhile Very attractive design Strips with individual numbers can be fitted in to identify the zones Strips with individual texts can be fitted in to describe the zones Please choose the numbers of 32 LED zone indication modules B01220-00 separately.  <table border="1"> <thead> <tr> <th colspan="2">Technical specifications</th> </tr> </thead> <tbody> <tr> <td>Material</td> <td>Alu / Polycarbonat</td> </tr> <tr> <td>Colour</td> <td>platin grey, RAL 7036</td> </tr> <tr> <td>Dimensions (WxHxD)</td> <td>483 x 176 x 3 mm</td> </tr> <tr> <th colspan="2">Certifications</th> </tr> <tr> <td>VdS-No.</td> <td>G 205024</td> </tr> </tbody> </table>	Technical specifications		Material	Alu / Polycarbonat	Colour	platin grey, RAL 7036	Dimensions (WxHxD)	483 x 176 x 3 mm	Certifications		VdS-No.	G 205024		
Technical specifications																
Material	Alu / Polycarbonat															
Colour	platin grey, RAL 7036															
Dimensions (WxHxD)	483 x 176 x 3 mm															
Certifications																
VdS-No.	G 205024															
B01220-00	138,00	32 LEDs zone indication module <ul style="list-style-type: none"> LED module with 32 red / 32 yellow LEDs for zone indication For mounting at front plate B01200-00 above Zone LED programmable Up to 6 x B01220-00 (=192 zone LEDs) can be mounted in one panel (C2 housing)  <table border="1"> <thead> <tr> <th colspan="2">Technical specifications</th> </tr> </thead> <tbody> <tr> <td>Dimensions (WxHxD)</td> <td>104 x 150 x 26 mm</td> </tr> <tr> <th colspan="2">Certifications</th> </tr> <tr> <td>VdS-No.</td> <td>G 205024</td> </tr> </tbody> </table>	Technical specifications		Dimensions (WxHxD)	104 x 150 x 26 mm	Certifications		VdS-No.	G 205024						
Technical specifications																
Dimensions (WxHxD)	104 x 150 x 26 mm															
Certifications																
VdS-No.	G 205024															
B01230-00	490,00	Printer (Built-In version) with RS-232 interface and power supply <ul style="list-style-type: none"> Interfacing to Fire Alarm Control Panel by included RS-232 interface Thermal printer with 40 characters per line Controller and power supply included Memory 8 k RAM included for fast data transmission  <table border="1"> <thead> <tr> <th colspan="2">Technical specifications</th> </tr> </thead> <tbody> <tr> <td>Operating voltage</td> <td>24 V DC</td> </tr> <tr> <td>Quiescent current</td> <td>60 mA</td> </tr> <tr> <td>Paper width</td> <td>58 mm</td> </tr> <tr> <td>Characters / line</td> <td>40</td> </tr> <tr> <td>Colour</td> <td>grey</td> </tr> <tr> <td>Dimensions (WxHxD)</td> <td>85 x 85 x 70 mm</td> </tr> </tbody> </table>	Technical specifications		Operating voltage	24 V DC	Quiescent current	60 mA	Paper width	58 mm	Characters / line	40	Colour	grey	Dimensions (WxHxD)	85 x 85 x 70 mm
Technical specifications																
Operating voltage	24 V DC															
Quiescent current	60 mA															
Paper width	58 mm															
Characters / line	40															
Colour	grey															
Dimensions (WxHxD)	85 x 85 x 70 mm															
B01231-00	4,00	Spare paper role for Printer <ul style="list-style-type: none"> One role 58mm, diameter 37mm 														

Order No.	Unit price	Description
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B01262-00

490,00

Loop card "ESP High Power" for System F1, supports 2 loops / 4 spurs of Hochiki ESP detectors


- 50% more loop current
- 100% compatible to ESP detectors
- supports 2 loops each with 254 detectors / modules / sounders or alternative 8 spurs
- free programmable zones
- max. loop cable length 3.500 m (cable JY-(ST)Y-2x2x0,8)
- 8 free programmable O/C-Outputs
- Shielding monitored for open wire
- Shielding monitored for short circuit with +/- loop
- Earth fault detection
- Fail-safe mode in case of Micro Processor failure

Technical specifications

Quiescent current	45 mA
max. current per loop	300 mA
Weight	250 g
Dimensions (LxBxH)	170 x 110 x 20 mm

Certifications

VdS-No.	G 205024
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B01267-00

490,00

Loop card "Apollo High Power" for System F1, supports 2 loops / 4 spurs of Apollo detectors XP95 and Discovery


- 50% more loop current
- 100% compatible to Apollo detectors
- supports 2 loops each with 126 detectors / modules / sounders or alternative 4 spurs
- free programmable zones
- max. loop cable length 3.500 m (cable JY-(ST)Y-2x2x0,8)
- 8 free programmable O/C-Outputs
- Shielding monitored for open wire
- Shielding monitored for short circuit with +/- loop
- Earth fault detection
- Fail-safe mode in case of Micro Processor failure

Technical specifications

Quiescent current	45 mA
max. current per loop	350 mA
Weight	250 g
Dimensions (LxBxH)	170 x 110 x 20 mm

Certifications

VdS-No.	G 205024
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Order No.	Unit price	Description														
B01272-00	578,00	<p>Loop card "ESP High Power" for F1 system, supports 2 loops / 8 spurs of Hochiki ESP detectors, 100% redundant</p> <ul style="list-style-type: none"> ▪ 50% more loop current ▪ with doubled Micro Processor, Operating System memory and RAM; this means all system functions are still controlled in case of Micro Processor failure ▪ 100% compatible to ESP detectors ▪ supports 2 loops each with 254 detectors / modules / sounders or alternative 8 spurs ▪ free programmable zones ▪ max. loop cable length 3.500 m (cable JY-(ST)Y-2x2x0,8) ▪ 8 free programmable O/C-Outputs ▪ Shielding monitored for open wire ▪ Shielding monitored for short circuit with +/- loop ▪ Earth fault detection <table border="1"> <thead> <tr> <th colspan="2">Technical specifications</th> </tr> </thead> <tbody> <tr> <td>Quiescent current</td> <td>45 mA</td> </tr> <tr> <td>max. current per loop</td> <td>300 mA</td> </tr> <tr> <td>Weight</td> <td>250 g</td> </tr> <tr> <td>Dimensions (WxHxD)</td> <td>170 x 110 x 20 mm</td> </tr> <tr> <th colspan="2">Certifications</th> </tr> <tr> <td>VdS-No.</td> <td>G 205024</td> </tr> </tbody> </table>	Technical specifications		Quiescent current	45 mA	max. current per loop	300 mA	Weight	250 g	Dimensions (WxHxD)	170 x 110 x 20 mm	Certifications		VdS-No.	G 205024
Technical specifications																
Quiescent current	45 mA															
max. current per loop	300 mA															
Weight	250 g															
Dimensions (WxHxD)	170 x 110 x 20 mm															
Certifications																
VdS-No.	G 205024															



B01277-00	578,00	<p>Loop card "Apollo High Power" for F1 system, supports 2 loops / 8 spurs of Apollo detectors XP95 and Discovery, 100% redundant</p> <ul style="list-style-type: none"> ▪ 50% more loop current ▪ with doubled Micro Processor, Operating System memory and RAM; this means all system functions are still controlled in case of Micro Processor failure ▪ 100% compatible to all Apollo detectors ▪ supports 2 loops each with 126 detectors / modules / sounders or alternative 8 spurs ▪ free programmable zones ▪ max. loop cable length 3.500 m (cable JY-(ST)Y-2x2x0,8) ▪ 8 free programmable O/C-Outputs ▪ Shielding monitored for open wire ▪ Shielding monitored for short circuit with +/- loop ▪ Earth fault detection <table border="1"> <thead> <tr> <th colspan="2">Technical specifications</th> </tr> </thead> <tbody> <tr> <td>Quiescent current</td> <td>45 mA</td> </tr> <tr> <td>max. current per loop</td> <td>350 mA</td> </tr> <tr> <td>Weight</td> <td>250 g</td> </tr> <tr> <td>Dimensions (WxHxD)</td> <td>170 x 110 x 20 mm</td> </tr> <tr> <th colspan="2">Certifications</th> </tr> <tr> <td>VdS-No.</td> <td>G 205024</td> </tr> </tbody> </table>	Technical specifications		Quiescent current	45 mA	max. current per loop	350 mA	Weight	250 g	Dimensions (WxHxD)	170 x 110 x 20 mm	Certifications		VdS-No.	G 205024
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Dimensions (WxHxD)	170 x 110 x 20 mm															
Certifications																
VdS-No.	G 205024															



Order No.	Unit price	Description
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B01300-00

375,00

Conventional detector card for F1 system, supports 8 spurs of conventional detectors



- Supports nearly all conventional detectors of the fire detection market
- According to VdS regulations max. 32 detectors per spur
- 8 free programmable O/C-Outputs
- Earth fault detection

Technical specifications

Quiescent current	30 mA w/o sensors
Weight	200 g
Dimensions (WxHxD)	170 x 110 x 20 mm

Certifications

VdS-No.	G 205024
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B01310-00

410,00

Conventional detector card for F1 system, supports 8 spurs of conventional detectors, 100% redundant



- with doubled Micro Processor, Operating System memory and RAM; this means all system functions are controlled in case of Micro Processor failure
- Supports nearly all conventional detectors of the fire detection market
- According to VdS regulations max. 32 detectors per spur
- 8 free programmable O/C-Outputs
- Earth fault detection

Technical specifications

Quiescent current	30 mA w/o sensors
Weight	250 g
Dimensions (WxHxD)	170 x 110 x 20 mm

Certifications

VdS-No.	G 205024
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B01330-00

212,00

Universal Relay card with 8 dry c/o contacts



- 8 programmable dry relay contacts, 250V / 5A
- Pluggable terminals for easy service / wiring
- Activation e.g. by O/C output of loop card / conventional detector card
- Possibility of "Unset Mode" in case of maintenance of the system

Technical specifications

Quiescent current	5 mA
Contacts	8 change over
Max. Load	250V AC / 5 A
Weight	200 g
Dimensions	127 x 85 x 20 mm

Certifications

VdS-No.	G 205024
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Order No.	Unit price	Description
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F20040-11

572,00

Redundant CPU card P040-xx for Fire Control Panels "Solution F1"



- Additional plug-in module to achieve a full redundant main board
- According to EN54 standard necessary if more than 512 detectors are connected

Certifications

VdS-No.	G 205024
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B01345-00

1.400,00

Network software for FCP „Solution F1“, for use with ARCNET interface card

- Multi-Master network software for data communication of ARCNET
- Access via ARCNET interface card
- Incl. data exchange server functionality
- Organisation of all zones and detectors within the network; e.g. indication and operation of all zones and detectors
- By configuration software the organisation can be restricted to defined zones and detectors
- Pls calculate the software once per network

B01350-00

376,00

ARCNET Network card for „Solution F1“ panels



- To plug into a slot of the FCP main board
- Connecting to the multi master communications system with a maximum of 128 panels
- Can be plugged into every FCP twice to realize a full redundant network
- Very high reliability

Technical specifications

Operating voltage	24 V DC
Current consumption	30 mA
Cable length	max. 1.200 m
ARCNET Interface	up to 128 nodes
Weight	0,1 kg
Dimensions (BxTxH)	80 x 48 x 20 mm

B01350-20

440,00

ARCNET Network card for „Solution F1“ panels with SIL2 approval



with SIL2 approval - else like B01350-00

- Protective lacquered version, necessary for a SIL2-approved central network
- Connection to the multi-master communication system with a maximum of 128 participants.
- Redundancy possible through two separate slots in the „Solution F1“

Extinguishing components for „Solution F1“

Order No.	Unit price	Description
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B01325-00

880,00

Extinguishing control board P129 for Solution F1, for one extinguishing area, in accordance with EN12094-1



- Electronic, automatic control- and delay board for extinguishing controls for installation in Solution F1. Structure and functions strictly in accordance with EN12094-1.
- Installation in Solution F1, max. 8 boards
- 4 x conventional zones to connect MCPs
- 4 x valve outputs 1.5A / 24V
- 4 x monitored inputs
- 2x output 0.5A/24V for sounders and visual alarm devices
- 2 x relay with dry contacts 1A/30V DC
- The additional display board indicates operational status. The operation of functions occurs by the control panel. Please order the display board B01225-00 separately

Technical specifications

Quiescent current	90 mA
Relays	ea 30 V / max. 1 A
Valve outputs	ea 24 V / max. 0,5 A
Control outputs	-5°C to +40°C
Temperature range	max. 95% rel. H.
Weight	188 g
Dimensions (WxHxD)	170 x 110 x 20 mm
Certifications	
VdS-No.	G 205024

B01205-00

196,00

4U Front plate for Extinguishing Control Panel „Solution F1“



- For displaying up to 3 extinguishing areas
- Please order the display board B01225-00 and key switch B01205-20 separately
- The polycarbonate film coating makes it look classy.
- Labelled through insert strips

Technical specifications

Material	Alu / Polycarbonat
Colour	platin grey, RAL 7036
Dimensions (WxHxD)	483 x 176 x 3 mm
Certifications	
VdS-No.	G 205024

Order No.	Unit price	Description
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B01225-00

98,00

Extinguishing Display Module for one extinguishing area

- Display board for one extinguishing area, installation into Solution F2; Structure and functions strictly according to EN12094-1.
- Only one board can be installed
- LEDs are indicating operation status
- Incl. flat cable and mounting material

Technical specifications

Quiescent current	0,2 mA
Temperature range	-5°C to +40°C
Weight	16 g
Dimensions (WxHxD)	70 x 54 x 12 mm

Certifications

VdS-No.	G 205024
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B01205-20

63,00

Optional key switch (low voltage) for the extinguish area display

- Installation into front panel of the FCP
- For manual blocking function, revision
- Closure „2“
- 3 key withdrawal positions

Technical specifications

Weight	60 g
Dimensions	50 x 28 mm

Certifications

VdS-No.	G 205024
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B01342-00

258,00

Connection box „Cascading“ Extinguishing control board P129

B01341-00

142,00

Extensions – Standard Extinguishing Interface (SST) for extinguishing control board / I/O-extension

- The standard interface comes with 4, open-circuit and short-circuit, monitored inputs for connecting signals of the fcp, e.g. "FCP-release"
- Furthermore there are 4 potential-free changeover contacts available as outputs to transmission control signals, e.g. "transmission transfer state"
- Inputs and outputs are among each other and independently freely programmable.

Technical specifications

Quiescent current	0,2 mA
Relays (4 dry contacts)	ea max. 30V / max. 1A
Electronic inputs	3k3 / 680 Ohm
Temperature range	-5°C to +40°C
Humidity	max. 95% rel. H.
Weight	31 g




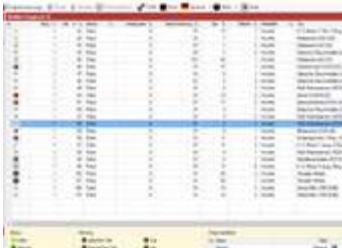
Certifications

VdS-No.	G 205024
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Software Interfaces for FCP

Order No.	Unit price	Description
B01360-00	480,00	ESPA Interface 4.4.4 for Fire Control Panels „Solution F1/F2“ <ul style="list-style-type: none"> ▪ Serial interface / protocol to connect the FCP “Solution F1/F2” to telephone or evacuation systems ▪ Software for using the RS-232 interface of the FCP ▪ Transmission of alarm text messages ▪ Activation by special access code
B01361-00	720,00	„LIST“ protocol / interface for Fire Control Panel „Solution F1“ <ul style="list-style-type: none"> ▪ Serial interface / protocol to connect the linear heat cable system “Listec” to the FCP „Solution F1-6” and „Solution F1-18” (see chapter 5) ▪ All information incl. address and temperature of the addressable heat elements are passed to the F1 panels ▪ Software for using the RS232 or RS485 interface of the „Solution F1“ ▪ Activation by special access code
B01362-00	1.890,00	OPC Server Software, based on RS-232/ MODBUS interface <ul style="list-style-type: none"> ▪ Serial interface / protocol to connect the “Solution F1/F2” panels to an OPC Server ▪ Software is using the RS-232 interface of the FCP ▪ Activation by special access code
B01363-00	480,00	MODBUS protocol for FCP „Solution F1/F2“ <ul style="list-style-type: none"> ▪ Software module using the integrated RS232 or RS485 interfaces to provide MODBUS protocol ▪ For interfacing other systems via MODBUS ▪ Activation by special access code

Remote Control / Remote Configuration of FCPs

Order No.	Unit price	Description										
B01370-00	310,00	<p>Analogue Telephone modem for remote control software of the „Solution F1/F2“</p> <ul style="list-style-type: none"> By the NSC modem software and this module it becomes possible to operate and analyse the fire control panel by telephone modem For fitting in a slot of the main board Power supply by the main board  <table border="1"> <thead> <tr> <th colspan="2">Technical specifications</th> </tr> </thead> <tbody> <tr> <td>Current consumption</td> <td>140 mA</td> </tr> <tr> <td>Ambient temperature</td> <td>0 - 55°C</td> </tr> <tr> <td>Data rate</td> <td>max. 56.000 bps</td> </tr> <tr> <td>Dimensions</td> <td>56 x 56 x 14 mm</td> </tr> </tbody> </table>	Technical specifications		Current consumption	140 mA	Ambient temperature	0 - 55°C	Data rate	max. 56.000 bps	Dimensions	56 x 56 x 14 mm
Technical specifications												
Current consumption	140 mA											
Ambient temperature	0 - 55°C											
Data rate	max. 56.000 bps											
Dimensions	56 x 56 x 14 mm											
B01380-00	584,00	<p>NSC Webserver Module for Solution F1/F2</p> <ul style="list-style-type: none"> Permits the access to NSC FCP via the Internet without auxiliary software Use of the www infrastructure => e.g. by means of Internet Explorer, Firefox, Safari etc. User administration for 30 users Access by user name and password 9 different access authorizations Indicates all messages/status of the FCP Online control of the Fire Alarm Panel front facia Complete operation of the FCP Plug-in module for "Solution F1" and "Solution F2" <p>Linux O/S Software with 2.6.24 kernel 10/100 Mbps Ethernet LAN interface ARM9 CPU 192MH; 32 MB SDRAM; 32 MB NOR Flash; 3,3V/300mA</p> <table border="1"> <thead> <tr> <th colspan="2">Technical specifications</th> </tr> </thead> <tbody> <tr> <td>Quiescent current</td> <td>38 mA (24 V DC)</td> </tr> <tr> <td>Dimensions</td> <td>56 x 56 x 22 mm</td> </tr> </tbody> </table> 	Technical specifications		Quiescent current	38 mA (24 V DC)	Dimensions	56 x 56 x 22 mm				
Technical specifications												
Quiescent current	38 mA (24 V DC)											
Dimensions	56 x 56 x 22 mm											
B01390-00	98,00	<p>Download cable for updating of loop cards and conventional detector cards of the „Solution F1“</p> <ul style="list-style-type: none"> FDT software necessary (free of charge) 										
B01395-00	1.980,00	<p>Configuration software for "Solution F1/F2"</p> <ul style="list-style-type: none"> Windows Explorer based software and so it is very easy and fast to handle Implemented by Windows.NET For configuration of detectors, zones, inputs, outputs, loops and spurs For analysing of analogue values / cable resistors / statistics / event memory Drag- and drop functionalities Supplied as self-installing software with auto setup 										

Surface mounted Steel Housings for FCP „Solution F1“

Order No.	Unit price	Description
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B01400-00 216,00

Housing A1 for the F1 system, space for max. 6 loops / 24 conventional spurs and 2 pcs. 18 Ah / 12 V batteries



- without electronics
- suitable to fit in a standard configuration of the „Solution F1-6“
- Housing cover for 4HE touch control panel
- Key lockable

Technical specifications

Material	steel, powder coating
Space for batteries	max. 2 x 18Ah / 12V
Colour	RAL 7035
Weight	10,1 kg
Dimensions (HxBxT)	490 x 540 x 158 mm
Certifications	
VdS-No.	G 205024

B01405-00 216,00

Housing A2 for the F1 system, cover for max. 96 zone LEDs, space for max. 6 loops / 24 conventional spurs and 2 pcs. batteries 18 Ah / 12 V



- without electronics
- suitable to fit in a standard configuration of the „Solution F1-6“
- Housing cover for 4HE touch control panel as well as for an additional 4HE front plate with max. 96 LEDs of zone alarms
- Key lockable

Technical specifications

Material	steel, powder coating
Space for batteries	max. 2 x 18Ah / 12V
Colour	RAL 7035
Weight	9,5 kg
Dimensions (HxBxT)	490 x 540 x 158 mm
Certifications	
VdS-No.	G 205024

Order No.	Unit price	Description
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B01410-00

299,00

Housing B1 for the F1 system, space for max. 12 loops / 48 conventional spurs and 2 pcs. batteries 40 Ah / 12 V



- without electronics
- suitable to fit in a standard configuration of the „Solution F1-6“ or “Solution F1-18”
- Housing cover for 4HE touch control panel
- Key lockable

Technical specifications

Material	steel, powder coating
Space for batteries	max. 2 x 40Ah / 12V
Colour	RAL 7035
Weight	13,8 kg
Dimensions (HxBxT)	540 x 540 x 245 mm
Certifications	
VdS-No.	G 205024

B01415-00

299,00

Housing B2 for the F1 system, cover for max. 96 zone LEDs, space for max. 12 loops / 48 conventional spurs and 2 pcs. batteries 40 Ah / 12 V



- without electronics
- suitable to fit in a standard configuration of the „Solution F1-6“ or “Solution F1-18”
- Housing cover for 4HE touch control panel as well as for an additional 4HE front plate with max. 96 LEDs of zone alarms
- Key lockable

Technical specifications

Material	steel, powder coating
Space for batteries	max. 2 x 40Ah / 12V
Colour	RAL 7035
Weight	13,2 kg
Dimensions (HxBxT)	540 x 540 x 245 mm
Certifications	
VdS-No.	G 205024

Order No.	Unit price	Description
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B01420-00

388,00

Housing C1 for the F1 system, space for max. 18 loops / 72 conventional spurs and 2 pcs. batteries 65 Ah / 12 V



- without electronics
- suitable to fit in a standard configuration of the „Solution F1-6“ or “Solution F1-18”
- Housing cover for 4HE touch control panel
- Key lockable

Technical specifications

Material	steel, powder coating
Space for batteries	max. 2 x 65Ah / 12V
Colour	RAL 7035
Weight	21,0 kg
Dimensions (HxBxT)	760 x 540 x 265 mm
Certifications	
VdS-No.	G 205024

B01425-00

388,00

Housing C2 for the F1 system, cover for max. 192 zone LEDs, space for max. 18 loops / 72 conventional spurs and 2 pcs. batteries 65 Ah / 12 V



- without electronics
- suitable to fit in a standard configuration of the „Solution F1-6“ or “Solution F1-18”
- Housing cover for 4HE touch control panel as well as for two additional 4HE front plates with max. 192 LEDs of zone alarms
- Key lockable

Technical specifications

Material	steel, powder coating
Space for batteries	max. 2 x 65Ah / 12V
Colour	RAL 7035
Weight	19,8 kg
Dimensions (HxBxT)	760 x 540 x 265 mm
Certifications	
VdS-No.	G 205024

Flush-mounted Steel Housings for FCP „Solution F1“

Order No.	Unit price	Description
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B01407-00

350,00

Housing A2-flush mount for the F1, cover for max. 96 zone LEDs, space for max. 6 loops / 24 conventional zones



- without electronics
- suitable to keep a standard „Solution F1-6“ with 4HE touch control panel as well as for an additional 4HE front plate with max. 96 LEDs of zone alarms
- prepared cable inlets M16 and M20
- Key lockable

Technical specifications

Material	steel, powder coating
Space for batteries	max. 2x18 Ah / 24 V
Colour	RAL 7035
Weight	9,5 kg
Dimensions (HxWxD)	485 x 533 x 145 mm

19" Housings for FCP „Solution F1“

Order No.	Unit price	Description
-----------	------------	-------------

B01455-00 2.770,00

19" Housing 43 U with glass door and swing mounting rack to assemble FCP "Solution F1"



- Without electronics
- Glass door with security locker
- "Solution F1" Fire Control Panels can be assembled as well as other systems
- Side walls and back board can be taken off

Technical specifications

IP rating	IP 20
Space for batteries	max. 2 x 85 Ah / 12 V
Colour	RAL 7035
Dimensions	2070 x 800 x 800 mm

B01457-02 88,50

19 "equipment shelf for 19" rack B01455-00

- Shelf 2U
- Depth 350 mm

B01457-10 145,60

Lighting for 19"-Housing B01455-00

- For mounting by magnetic mounting or by sliding onto a 35 mm DIN rail
- With built-in socket with protective contact
- Compact fluorescent lamp, 11 W with switch
- Radio interference suppression according to VDE 0712, IEC 82

Technical specifications

Dimensions (WxHxD)	351 x 65 x 62 mm
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B01457-20 296,00

Fourfold fan for 19"-Housing B01455-00, incl. thermostat



- fully installed in the cabinet

Order No.	Unit price	Description
-----------	------------	-------------

B01454-02 **3.672,00** **19" Housing 43 U „Rittal“, IP rate 54, with glass door and swing mounting rack to assemble FCP "Solution F1"**



- Without electronics
- Glass door with security locker
- "Solution F1" Fire Control Panels can be assembled as well as other systems
- Side walls and back board can be taken off

Technical specifications

IP rating	IP 54
Space for batteries	max. 2 x 85 Ah / 12 V
Colour	RAL 7035
Dimensions	2000 x 800 x 800 mm

B01466-01 **896,00**

Wall mounted 19" Housing 12 U, „Rittal“, IP rate 55, incl. glass door, middle part and back plate, max. 18 loops / 72 conventional spurs



- Without electronics
- "Solution F1" Fire Control Panels can be assembled as well as 196 zone LEDs
- Additional middle part of the housing to have better access to the terminals
- Incl. Security locker

Technical specifications

IP rating	IP 55
Space for batteries	max. 2 x 40 Ah / 12V
Colour	RAL 7035
Weight	37 kg (w/o BMZ)
Dimensions	612 x 600 x 373 mm

B01462-00 **186,00**

Universal heater for 19"-Housing, for DIN rail, 10W, 230VAC

- Temperature limiting
- Dynamic heating by PTC technology
- Protection insulated by synthetic housing
- Vertical installation
- Quick mounting by clip mounting for 35 mm DIN rail

Technical specifications

Dimensions (WxHxD)	38 x 98 x 75 mm
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Order No.	Unit price	Description
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B01480-00 **93,00** **Blind plate 19", 4 U for F1 System, grey**



- Without electronics
- To cover the front of the 19" rack
- Prepared to keep printer B01230-00

Technical specifications

Material	Aluminium
Colour	RAL 7036
Dimensions	482,5 x 176 x 3 mm

B01481-00 **57,00** **Blind plate 19", 2 U for F1 System, grey**

- Without electronics
- To cover the front of the 19" rack

Technical specifications

Material	Aluminium
Colour	RAL 7036
Dimensions	482,5 x 88 x 3 mm

F01020-00 **140,00** **Back board for 19" housings, for mounting of panel components PSU, Main board, loop cards, relay cards etc.**



- To keep the PCBs and components on the back side of the 19" housing
- Price does not include electronics
- Please advise length of flat cables for the front fascia if using your own 19" housing

Technical specifications

Material	Steel
Colour	grey
Dimensions	527 x 527 x 22 mm

Configuration table for „Solution F1-6“ - B01050-00



Housing	Housing A1	Housing A2	Housing B1	Housing B2
Order No.	B01400-00	B01405-00	B01410-00	B01415-00
Dimensions (HxWxD) (mm)	490 x 540 x 158	490 x 540 x 158	540 x 540 x 243	540 x 540 x 243
Battery capacity (max., 2x)	18Ah / 12V	18Ah / 12V	40Ah / 12V	40Ah / 12V
Extensions				
System components				
4U Front plate for 96 zone LEDs	-	B01200-00	-	B01200-00
32 zone LEDs module	-	B01220-00	-	B01220-00
Built-In Printer	B01230-00	B01230-00	B01230-00	B01230-00
Relay Card, 8 c/o contacts	B01330-00	B01330-00	B01330-00	B01330-00
Redundant CPU module	F20040-11	F20040-11	F20040-11	F20040-11
ARCNET Network Card	B01350-00	B01350-00	B01350-00	B01350-00
ESPA Protocol 4.4.4	B01360-00	B01360-00	B01360-00	B01360-00
LIST-Protocol	B01361-00	B01361-00	B01361-00	B01361-00
OPC-Server-Software	B01362-00	B01362-00	B01362-00	B01362-00
MODBUS-Protocol	B01363-00	B01363-00	B01363-00	B01363-00
Loop cards / conventional detector cards / extinguishing control boards				
max. 3 pcs				
Hochiki loop card	B01262-00	B01262-00	B01262-00	B01262-00
Apollo loop card	B01267-00	B01267-00	B01267-00	B01267-00
Hochiki loop card - redundant	B01272-00	B01272-00	B01272-00	B01272-00
Apollo loop card - redundant	B01277-00	B01277-00	B01277-00	B01277-00
Univ. conventional card	B01300-00	B01300-00	B01300-00	B01300-00
Univ. conv. card - redundant	B01310-00	B01310-00	B01310-00	B01310-00
Extinguishing control board	-	B01325-00	-	B01325-00
Extinguishing components				
4U Front plate	-	B01205-00	-	B01205-00
Optional key switch	-	B01205-20	-	B01205-20
Display module	-	B01225-00	-	B01225-00
Standard Interface	-	B01341-00	-	B01341-00
Remote Control / Remote Configuration				
Analogue Telephone Modem	B01370-00	B01370-00	B01370-00	B01370-00
NSC Webserver Module	B01380-00	B01380-00	B01380-00	B01380-00
Batteries, max. 2 pcs.				
Battery, 12 V / 18 Ah	X19176-30	X19176-30	X19176-30	X19176-30
Battery, 12 V / 26 Ah	-	-	X95615-00	X95615-00

Configuration table for „Solution F1-18“ - B01060-00



Housing	Housing B1	Housing B2	Housing C1	Housing C2
Order No.	B01410-00	B01415-00	B01420-00	B01425-00
Dimensions (HxWxD) (mm)	540 x 540 x 243	540 x 540 x 243	760 x 540 x 265	760 x 540 x 265
Battery capacity (max., 2x)	40Ah / 12V	40Ah / 12V	65Ah / 12V	65Ah / 12V
Extensions				
System components				
4U Front plate for 96 zone LEDs	-	B01200-00	-	B01200-00
32 zone LEDs module	-	B01220-00	-	B01220-00
Built-In Printer	B01230-00	B01230-00	B01230-00	B01230-00
Relay Card, 8 c/o contacts	B01330-00	B01330-00	B01330-00	B01330-00
Redundant CPU module	F20040-11	F20040-11	F20040-11	F20040-11
ARCNET Network Card	B01350-00	B01350-00	B01350-00	B01350-00
ESPA Protocol 4.4.4	B01360-00	B01360-00	B01360-00	B01360-00
LIST-Protocol	B01361-00	B01361-00	B01361-00	B01361-00
OPC-Server-Software	B01362-00	B01362-00	B01362-00	B01362-00
MODBUS-Protocol	B01363-00	B01363-00	B01363-00	B01363-00
Loop cards / conventional detector cards / extinguishing control boards				
	max. 6 pcs		max. 9 pcs	
Hochiki loop card	B01262-00	B01262-00	B01262-00	B01262-00
Apollo loop card	B01267-00	B01267-00	B01267-00	B01267-00
Hochiki loop card - redundant	B01272-00	B01272-00	B01272-00	B01272-00
Apollo loop card - redundant	B01277-00	B01277-00	B01277-00	B01277-00
Univ. conventional card	B01300-00	B01300-00	B01300-00	B01300-00
Univ. conv. card - redundant	B01310-00	B01310-00	B01310-00	B01310-00
Extinguishing control board	-	B01325-00	-	B01325-00
Extinguishing components				
4U Front plate	-	B01205-00	-	B01205-00
Optional key switch	-	B01205-20	-	B01205-20
Display module	-	B01225-00	-	B01225-00
Standard Interface	-	B01341-00	-	B01341-00
Remote Control / Remote Configuration				
Analogue Telephone Modem	B01370-00	B01370-00	B01370-00	B01370-00
NSC Webserver Module	B01380-00	B01380-00	B01380-00	B01380-00
Batteries, max. 2 pcs.				
Battery, 12 V / 18 Ah	X19176-30	X19176-30	X19176-30	X19176-30
Battery, 12 V / 26 Ah	X95615-00	X95615-00	X95615-00	X95615-00
Battery, 12 V / 40 Ah	X95630-00	X95630-00	X95630-00	X95630-00
Battery, 12 V / 65 Ah	-	-	X95666-00	X95666-00

Network Technology (ARCNET) for the F1 System

Order No.	Unit price	Description
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B01500-00

1.228,00

Remote Control Panel w/o loops for the „Solution F1“ system incl. ARCNET interface



- Control Panel w/o loops for the ARCNET communications system
- Full operation and indication of all „Solution F1“ Fire Control Panels in the network
- Connecting to the multi master communications system with a maximum of 128 panels
- Including touch technology and graphics LC module
- including ARCNET interface card
- supplied in surface mounted housing
- Access codes for operating this panel according EN54, part 2
- 3 separate and monitored outputs, each 24V / 500 mA (fused)
- including 2 x RS232 interfaces
- including 1 x RS485 interface
- Interface for optional remote control modem (I-Module); data transfer via analogue, ISDN or Webserver

Technical specifications

Operating voltage	24 V DC
Current consumption	80 mA
ARCNET interface	up to 128 devices
Cable length	max. 1.200m
Weight	4,9 kg
Dimensions (WxHxD)	492 x 260 x 80 mm

B01530-00

854,00

ARCNET-Hub SH-ARC-M3 for network extension



- For extension of the ARCNET network by additional stub lines
- It is possible to cascade ARCNET hubs SH ARC-M3
- Every hub has also functionality of a repeater for further 1.200 m cable length
- Automatic detection of network baud rate
- DIN rail housing
- Power Supply 24 VDC
- Every hub can contain up to 3 pcs. interface modules (Ports) code no. B01535-00
- **at least two interface modules (Port) B01535-00 are required**

B01531-00

1.070,00

ARCNET-hub SH-ARC-M5 for network expansion



- For extension of the ARCNET network by additional stub lines
- By ARCNET-HUBs multiple segments can be connected in series
- SH-ARC-M3 HUBs can be cascaded
- Each hub also serves as a repeater for a further 1,200 m cable length.
- The baud rate used in the network is automatically detected and set.
- DIN rail module with 24 VDC supply via screw terminal.
- **Can be equipped with up to 3 interface modules (ports) B01535-xx.**

Order No.	Unit price	Description
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B01535-00

396,00

**Interface module (Port) SH-RS485-M to fit in ARCNET-Hub,
Connector = Sub-D 9 pole female**


Picture similar!

- To assemble in the ARCNET-Hub B01530-00 (1 Port means 1 ARCNET interface)
- Up to 3 ports are possible in one ARCNET hub
- Galvanic isolation
- LED indication for status and activities
- Input resistor (93 Ohms) selectable by Dip-Switch

Technical specifications

Operating voltage	+5 V/ < 400 mA
Data rate	0 to 10 Mbps
Input voltage level	+/- 200 mV
Polarity in quiescent condition	positive
Input resistance	+/- 3,0 V
Connector	Sub-D 9pole female

B01535-10

426,00

**Interface module (Port) SH-RS485-M to fit in ARCNET-Hub,
Connector = screw terminals**


Picture similar!

- To assemble in the ARCNET-Hub B0153X-00 (1 Port means 1 ARCNET interface) - max 3 ports are possible in one Hub
- Galvanic isolation
- LED indication for status and activities, COAX module
- Bit rate 2,5 Mbps (SH COAX-xx)
- Input resistor (93 Ohms) selectable by Dip-Switch

B01550-00

698,00

ARCNET / Fibre Optic converter, LCON-1, 1 optical channel


- Converter of ARCNET interface data to fibre optic signals (Multimode 850nm)
- Distances of peer-to-peer connections up to 2.600 m
- Surface mounted housing for DIN rail according DIN 50022

Technical specifications

Operating voltage	18 - 30 V DC
Current consumption	200 mA max.
Data rate	max. 5 MBit/s
Distance of fibre optic cable	max. 2600m
Optical terminal	ST 820nm
Housing	DIN rail acc. to DIN 50022
Operating temperature	0 to 70°C
Dimensions (WxHxD)	82 x 93 x 23 mm

B01550-02

948,00

ARCNET / Fibre Optic converter LCON-2, 2 optical channels


- 2 channel converter
- other specs like B01550-00

Order No.	Unit price	Description
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B01551-00

1.640,00

ARCNET/RS485 – Fibre Optic Converter DL-485, 1 optical channel

Picture similar!

- Converter of ARCNET interface data to fibre optic signals (Single mode 1310nm)
- Status LEDs for Operation, Data Receive and Fault
- Surface mounted housing for DIN rail according DIN 50022

Technical specifications

Operating voltage	12 - 30 V DC
Current consumption	200 mA max.
Operating temperature	-40°C to +70°C
Data rate	max. 3 MBit/s
Optical budget	17 dB
Fibre cable distance	max. 25 km
Optical cable	Single-Mode 1310nm
Optical connector	ST
Housing	DIN Rail acc. to DIN50022
Dimensions (WxHxD)	61 x 133 x 115 mm

B01551-02

1.980,00

ARCNET/RS485 - Fibre Optic Converter DL-485 / 2 optical channels

- 2 channel converter
- **all other specs like B01551-00**

B01557-00

2.320,00

ARCNET/RS485 - Fibre Optic Converter DL-485RS / optical redundant, loop topology

Picture similar!

- Redundant converter of ARCNET interface data to fibre optic signals (Single mode 1310nm)
- **Fibre Cable installation as a closed loop**
- Status LEDs for Operation, Data Receive and Fault
- Surface mounted housing for DIN rail according DIN 50022

Technical specifications

Data rate	156,25 kb
Fibre cable distance	max. 25 km

B01557-01

1.680,00

ARCNET/RS-485 LWL-Converter DL-485RS / optical redundant, loop topology, Multimode

Picture similar!

- Redundant converter of the ARCNET signals to multi-mode optical fibers in a closed loop structure
- Status LEDs for Operation, Data Receive and Fault
- Surface mounted housing for DIN rail according DIN 50022

Technical specifications

Data rate	156,25 kB/s
Fibre cable distance	max 5,0 km
Optical connector	Multi Mode (ST)

Gateways

Order No.	Unit price	Description
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B01570-00

748,00

MODBUS/TCP to MODBUS/RTU converter



- Supports Modbus/TCP (Ethernet input) and Modbus/RTU (serial port)
- Comfortable configuration by Windows software
- DIN Rail mounting or wall mounting

Technical specifications

Operating voltage	10 - 30 VDC
Operating temperature	-25°C to +75 °C
Ethernet Controller	10/100 BaseT,RJ45
Interfaces	1xRS232, 1xRS485
Dimensions (WxHxD)	72x123x33 mm

B01574-00

680,00

Com Server ++ - Gateway serial to TCP/IP



- The Com-Server ++ integrates a serial device into the network via TCP / IP Ethernet
- Numerous network services are available
- 1 x RS232 / RS422 / RS485 switchable
- 1 x Ethernet 10 / 100BaseT -Autosensing / Auto-MDIX
- Remote configuration: implementing via wutility (three clicks and done), DHCP, serial, web-based management, Telnet
- Transparent communication
- Advanced protocol support
- Serial ports: 1x RS232, RS422, RS485 interface, switchable, DB9 connector 50 to 230.400 baud rate
- Serial operation: RS232, RS422, 4-wire bus master, RS485 4-wire bus master, RS485 4-wire automatic, RS485 2-wire automatic

Technical specifications

External supply	12 - 48V DC
Current consumption	typ 55mA @24VDC
Serial operation	RS232, RS422 4-wire-bus-master RS485 4-wire-bus-master RS485 4-wire automatic RS485 2-wire automatic
Network	10/100BaseT, Autosensing/ Auto-MDIX, RJ45
Operating temperature	0°C to +60°C
Housing	Plastic Housing for DIN-Rail
Dimensions (LxWxH)	105 x 22 x 75 mm
Weight	ca. 105g

B01580-00

3.490,00


ARCNET-Ethernet-Gateway with screw terminals, RS485

- Provides connectivity between ARCNET networks and Ethernet TCP / IP
- Access to ARCNET via twisted cable
- Supports ARCNET network with up to 254 Participants

Technical specifications

External supply	9 - 36 VDC
Operating temperature	0 °C to +55 °C
Ethernet Controller	10/100 Base T, RJ45
Weight	600 g
Dimensions (WxHxD)	60 x 105 x 130 mm

Network Technology (RS485) for FCPs "F1 / F2"

Order No.	Unit price	Description																
B01520-01	620,00	Remote Control Panel with graphics LC module and RS485 interface <ul style="list-style-type: none"> ▪ English version ▪ Incl. graphics LCD module to display alarm, fault and disabled messages; incl. buzzer ▪ Incl. push buttons for message scrolling, switching off the buzzer and to choose the kind of displayed messages ▪ Incl. buttons for Reset FCP and Reset external sounders (protected by key switch) ▪ English texts on front fascia and LCD ▪ Can be connected directly to the Fire Control Panel interface (RS-485) ▪ Up to 63 LCD Repeater Panels connectable to one Fire Control Panel ▪ No network software required ▪ Incl. steel housing for surface mounting ▪ No configuration necessary because data is transmitted from the FCP ▪ Several LEDs for "In Operation", "Alarm", "Fault" and "Disabling" 																
																		
<table border="1"> <thead> <tr> <th colspan="2">Technical specifications</th> </tr> </thead> <tbody> <tr> <td>Operating voltage</td> <td>24 V DC</td> </tr> <tr> <td>Current consumption</td> <td>35 mA</td> </tr> <tr> <td>Interface</td> <td>RS-485</td> </tr> <tr> <td>Max. cable length to CIE</td> <td>max. 1.200m</td> </tr> <tr> <td>Housing</td> <td>Steel housing, RAL 7035</td> </tr> <tr> <td>Weight</td> <td>1,0 kg</td> </tr> <tr> <td>Dimensions (WxHxD)</td> <td>240 x 180 x 28 mm</td> </tr> </tbody> </table>			Technical specifications		Operating voltage	24 V DC	Current consumption	35 mA	Interface	RS-485	Max. cable length to CIE	max. 1.200m	Housing	Steel housing, RAL 7035	Weight	1,0 kg	Dimensions (WxHxD)	240 x 180 x 28 mm
Technical specifications																		
Operating voltage	24 V DC																	
Current consumption	35 mA																	
Interface	RS-485																	
Max. cable length to CIE	max. 1.200m																	
Housing	Steel housing, RAL 7035																	
Weight	1,0 kg																	
Dimensions (WxHxD)	240 x 180 x 28 mm																	
B01520-02	634,00	Remote Control Panel with graphics LC module and RS485 interface <ul style="list-style-type: none"> ▪ Portuguese version 																
B01520-03	634,00	Remote Control Panel with graphics LC module and RS485 interface <ul style="list-style-type: none"> ▪ Netherland version 																
B01520-04	634,00	Remote Control Panel with graphics LC module and RS485 interface <ul style="list-style-type: none"> ▪ Czech version 																
B01520-05	634,00	Remote Control Panel with graphics LC module and RS485 interface <ul style="list-style-type: none"> ▪ Italian version 																
B01520-07	634,00	Remote Control Panel with graphics LC module and RS485 interface <ul style="list-style-type: none"> ▪ Spanish version 																

Order No.	Unit price	Description
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B01560-00

258,00

Converter RS232 / RS485, isolated

- Converter for RS-232 interface to transform the data to RS-485
- Ideal if longer cable distances than 20m are required
- Isolating up to 3000 VDC
- Automatic detection of communication parameters
- Data rate up to 115,2 kbps
- Mounting on DIN rail

Technical specifications

Mains AC	230 V AC, 50/60 Hz
Operating voltage	24 V DC
Quiescent current	90 mA

B01565-00

398,00



Interface module RS485, triple Hub, with galvanic isolation

- RS-485 hub for 3 stub lines
- 1 x RS-485 input, 3 x RS-485 outputs
- Every RS-485 outputs with 1.200 m cable length
- Galvanic isolation up to 3000 volts
- Automatic data control
- Data rate max. 115,2 kbps
- Mounting on DIN rail

Technical specifications

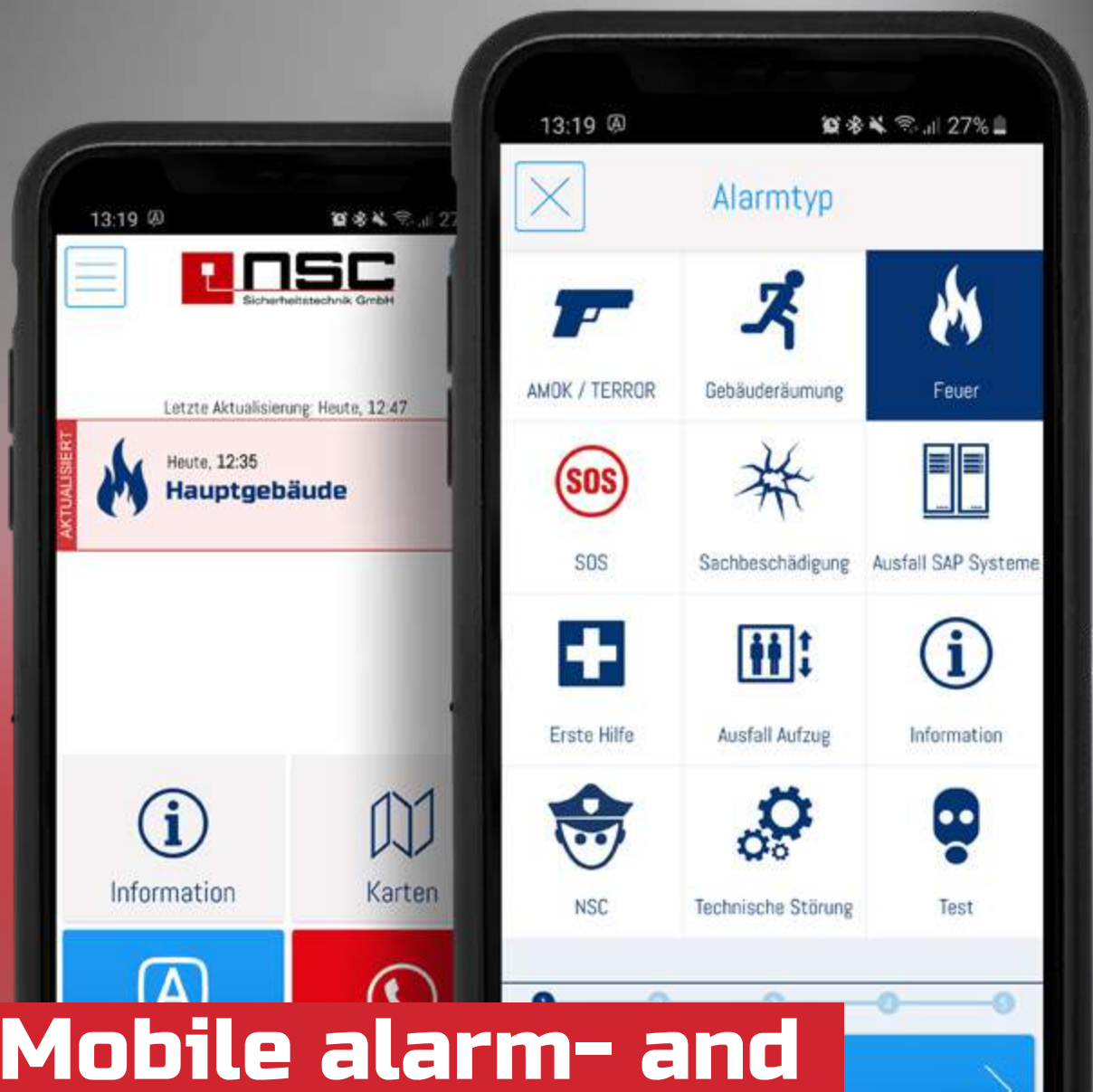
Operating voltage	10 - 30 V DC
Power consumption	2,2 W
Operating temperature	-10°C to +70°C
Connection terminals	Screw terminals on both sides

Integrated Building Management System

Order No.	Unit price	Description
B01702-00	1.140,00	<p>WINGUARD X4 Express for Windows 10 Pro / Windows 8.1 Pro</p> <p>Integrated Building Management Software System for event management and controlling of facilities via Windows® PC/Server. The open structure philosophy provides flexible organisation of users, events and control actions by only one system. The system is also able to assimilate messages from several systems by different gateways in real time. All messages / events are saved in an eventlog and are retrievable at all time. The interfaces has to be ordered separately</p>   <ul style="list-style-type: none"> ▪ Standalone (not network-compatible) ▪ Max. 3000 Data points (please order separately) ▪ Fire Alarms-, Intrusion- and CCTV interface ▪ Dual-Screen-operation as an option ▪ User specific designed surface ▪ Predefined user profiles (User, main user and administrator) ▪ Basic graphics editor to import wmf, bmp and jpg files ▪ System- and Interface protocol, event history archive ▪ Message distribution included ▪ acoustic signalling ▪ Upgrade to „WINGUARD X4 Basic“ is possible
B01702-50	1.140,00	<p>Interface (Fire Alarms, Intrusion ,CCTV) by NSC portfolio for WINGUARD X4 Express</p> <ul style="list-style-type: none"> ▪ Mandatory interface of the Integrated Building Management System
B01703-00	2.280,00	<p>WINGUARD X4 Basic for Windows 10 Pro / Windows 8.1 Pro</p> <ul style="list-style-type: none"> ▪ Similar to B01702-00 but network-compatible and expandable up to a maximum of 5 clients. ▪ Max. 5000 Data points ▪ Please order Data points and Client licences separately.
B01703-50	2.280,00	<p>Interface (Fire Alarms, Intrusion ,CCTV) by NSC portfolio for WINGUARD X4 Basic</p> <ul style="list-style-type: none"> ▪ Mandatory interface of the Integrated Building Management System

WinGuard items do not include any hardware !

Order No.	Unit price	Description
B01715-00	998,00	<p>Set of further 100 data points</p> <p>Extension of WinGuard Express and WinGuard Basic software by further 100 Data points.</p>
B01717-00	8.250,00	<p>Set of further 1000 data points</p> <p>Extension of WinGuard Express and WinGuard Basic software by further 1000 Data points.</p>
B01722-00	15,00	<p>WinGuard - Data Point editing</p> <p>Creating / editing of one data point for the basic drawings. Positioning and configuration of the data point incl. link to the "Solution F1" protocol.</p>
B01727-00	130,00	<p>WinGuard – Import of one drawing</p> <p>After the import of an existing basic diagram this is optimized for the representation in WinGuard.</p>
B01745-00	350,00	<p>WinGuard Software Installation</p> <p>Installation and testing of WinGuard software on the final computer</p>
B01755-00	1.140,00	<p>Software module for Dual-Screen-Operation for WINGUARD X4 Basic</p> <p>Configuration option for the representation of individual system elements on two monitors (e.g.. Diagram and measure window, etc.)</p>
B01760-00	3.250,00	<p>Licence for additional work station (PC) for WINGUARD X4 Basic</p> <p>A further control position license within a network installation (no further Dongle necessarily); needed for every further PC</p>
B01765-00	2.200,00	<p>Additional interfaces for NSC products like CCTV, Intruder Alarm Panel etc. - for WINGUARD X4 Express</p> <p>Interface module with interface-specific functions. Devices outside of the NSC product range.</p>
B01766-00	4.200,00	<p>Additional interfaces for Third Party Suppliers like CCTV, Intruder Alarm Panel etc. - for WINGUARD X4 Basic</p> <p>Interface module with interface-specific functions. Devices outside of the NSC product range.</p>
B01770-00	1.140,00	<p>CAD support for WINGUARD X4 Express</p> <ul style="list-style-type: none"> ▪ License to extent the basic software to import dwg/dxf files.
B01772-00	3.120,00	<p>CAD support for WINGUARD X4 Basic</p> <ul style="list-style-type: none"> ▪ License to extent the basic software to import dwg/dxf files.



Mobile alarm- and emergency management system

WHAT'S EVALARM?

EVALARM is a digital alerting and communication platform for emergency situations and technical alarms. Many modules such as mobile evacuation or watchdog-functionality are creating an additional added value.

WHAT REALLY MATTERS !

In an emergency every second does matter! Forwarding the right information as quickly as possible to the right person, at the right place and time ensures the action ability of saving lives.

EVALARM uses state-of-the-art technologies, providing outstanding new opportunities and benefits for optimizing your processes.

ALARM TYPES

With EVALARM you can map any of your alarm and emergency situations. Furthermore you can define the required alarm types (e.g. fire alarm, extortion, amok and many more) yourself and deposit a suitable pictogram.

You can individually specify which persons and user groups can trigger and receive corresponding alarms. In addition, you can individually add additional information or questions to each type of alarm. In the event of an alarm targeted alarm-related information can thus be transmitted.

EVALARM - Digital alerting and emergency communication

Order No.	Unit price	Description
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EVALARM is a communication platform for emergency and crisis management.

- EVALARM provides you with all the information and functions you need in the first critical phase of an emergency.
- **It incorporates Fire Alarms of F1/F2 panels, technical alarms, fault message, system failures, amok alarms, first-aid cases and many more**
- EVALARM is a web-based cloud service solution that can also be operated as an inhouse solution in the own data center.
- EVALARM communicates with mobile devices and other devices or interfaces. This makes it ideal to implement it into existing alerting processes.
- With EVALARM all involved users will be targeted informed immediately. The web-based cockpit (control console) offers at all times a complete overview
- With EVALARM you can individually display your processes (including evacuation, SOS or deadman switching).

THE BENEFITS AT A GLANCE

- Synchronous, differentiated alarming
 - Standardized Confirmation and escalation processes
 - Mobile task- and contact lists
 - web-based control station
 - Stand-alone monitoring
 - Mobile evacuation
 - SOS alarm with GPS tracking
 - Any definable alarm procedures
 - Transparency and traceability
 - No installation of software necessary
 - inter-site, worldwide functionality
 - Standardized interfaces for Fire Alarms, Intrusion, ...
 - Mobile to Mobile (without control console)
 - Alerting the public and visitors (User role: Guests)
 - Simple and cost-saving alerting exercises
- EVALARM does not require programming but rather be easily configured in the web console!

B01385-00

182,00

SOS Button EV-NT(M) - GPS Tracking System









- stationary emergency call button, which transmits alarm and system messages to EVALARM via GSM network.
- Can be mounted concealed and is still easily accessible.
- Very low installation height, facilitates installation under tables, etc.
- Rear buttons, as well as the display, allows an easy setup of the transmission contents.
- The power supply connection and the SIM card slot are on the back
- The integrated battery provides a backup time of up to 8 hours at power failure
- For use in the mobile alarm management system EVALARM, the call button is supplied preconfigured.

NOTE: A power supply is needed for the SOS Button. We recommend V59412-05.

Technical specifications

Dimension (WxHxD)	12 x 12 x 2,7 cm
Weight	200 g

Order No.	Unit price	Description
B01801-00	800,00	EVALARM Mobile Alarm Management System; M-PACKAGE „BASIC“; annual license costs  <ul style="list-style-type: none"> ▪ Up to 10 employees within the crisis management ▪ Unlimited alarm types and alarm levels ▪ Reading confirmation/accepting/refuse ▪ Notifying of max. 10 crisis managers
B01803-00	800,00	Extension: M-PACKAGE option „COM PLUS“; annual license costs  <ul style="list-style-type: none"> ▪ Up to 10 employees within the crisis management ▪ Unlimited alarm types and alarm levels ▪ Reading- confirmation/accepting/refuse ▪ Notifying of max. 10 crisis managers ▪ Alerting the public / guests ▪ contact lists ▪ Tasks and instructions ▪ Options: Triggering via NFC & RFID chip - „watchdog functionality“ & SOS function, detection of evacuated persons ▪ Requires „BASIC“ package
B01805-00	2.000,00	EVALARM Mobile Alarm Management System; L-PACKAGE „BASIC“; annual license costs  <ul style="list-style-type: none"> ▪ Up to 30 employees within the crisis management ▪ Unlimited alarm types and alarm levels ▪ Reading- confirmation/accepting/refuse ▪ Notifying of max. 30 crisis managers
B01807-00	2.000,00	Extension: L-PACKAGE option „COM PLUS“; annual license costs  <ul style="list-style-type: none"> ▪ Up to 30 employees within the crisis management ▪ Unlimited alarm types and alarm levels ▪ Reading- confirmation/accepting/refuse ▪ Notifying of max. 30 crisis managers ▪ Alerting the public / guests ▪ contact lists ▪ Tasks and instructions ▪ Options: Triggering via NFC & RFID chip - „watchdog functionality“ & SOS function, detection of evacuated persons ▪ Requires „BASIC“ package
B01815-00	800,00	Extension: Option „Watchdog & SOS“ for M-PACKAGE; annual license costs  <ul style="list-style-type: none"> ▪ watchdog functionality ▪ SOS function ▪ Requires M-Package „BASIC“ and COM PLUS“

Order No.	Unit price	Description
B01815-01	2.000,00	Extension: Option „Watchdog & SOS function“ for L-PACKAGE; annual license costs  <ul style="list-style-type: none"> ▪ watchdog functionality ▪ SOS function ▪ Requires L-Package „BASIC“ and COM PLUS“
B01817-00	800,00	Extension: Option „Emergency evacuation & SOS function“ for M-PACKAGE; annual license costs  <ul style="list-style-type: none"> ▪ Capture of evacuees ▪ Self-evacuation ▪ Tracking down missing persons ▪ SOS-function ▪ Requires M-Package „COM PLUS“
B01817-01	2.000,00	Extension: Option „Emergency evacuation & SOS function“ for L-PACKAGE; annual license costs  <ul style="list-style-type: none"> ▪ Capture of evacuees ▪ Self-evacuation ▪ Tracking down missing persons ▪ SOS-function ▪ Requires L-Package „COM PLUS“
B01819-00	400,00	Extension: Option „NFC / RFID“ for M-PACKAGE; annual license costs  <ul style="list-style-type: none"> ▪ NFC / RFID Writer App ▪ Alarm triggering by NFC & RFID ▪ Requires M-Package „COM PLUS“
B01819-01	800,00	Extension: Option „NFC / RFID“ for L-PACKAGE; annual license costs  <ul style="list-style-type: none"> ▪ NFC / RFID Writer App ▪ Alarm triggering by NFC & RFID ▪ Requires L-Package „COM PLUS“
B01825-00	2.500,00	EVALARM one-time connection fee M-PACKAGE
B01825-01	3.600,00	EVALARM one-time connection fee L-PACKAGE

Power Supply Units

Order No.	Unit price	Description
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B01600-00

99,00

Power Supply 24V/ 2A for universal applications



- Assembly on DIN rail
- Closed housing with protection against Mains AC
- Extremely wide input range
- Short circuit protection
- In-built filter against EMC interferences

Technical specifications

Operating voltage	100 – 260 V AC
Output voltage	24V DC / 2 A
Operating temperature	-10 °C to +50 °C
Weight	400 g
Dimensions (B x H x T)	78 x 93 x 67 mm

B01610-00

170,00

Power Supply 24V/ 5A for universal applications



- Assembly on DIN rail
- Closed housing with protection against Mains AC
- Extremely wide input range
- Short circuit protection
- In-built filter against EMC interferences

Technical specifications

Operating voltage	100 – 260 V AC
Output voltage	24V DC / 5 A
Operating temperature	-10 °C to +50 °C
Weight	650 g
Dimensions (B x H x T)	65 x 125 x 100 mm

Order No.	Unit price	Description
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B01620-00

698,00

Power Supply Unit 24 V / 6,7 A as external PSU, according to EN54-4, CPD and VdS approved


- Power Supply Unit according EN54, part 4, tested and approved by the VdS
- Universal use e.g. for detectors for special applications like aspirating systems
- To be mounted in housing B1 or C1
- **please order housing B01410-00 or B01420-00 separately**
- 6 fused and monitored outputs
- Temperature compensated battery charging
- Short circuit protection
- In-Built filter for mains AC
- 4 fault relays to transmit fault condition to FCP

Technical specifications

Operating voltage	195 – 253 V AC
Output voltage	24 V DC / 6,7 A
Battery charging	max. 2 x 12 V / 65 Ah (3,6 A)
External consumers	3,1 A
Operating temperature	-5 °C to + 40 °C
Weight	3,7 kg w/o. Housing
Dimensions	see Housing

Certifications

VdS-No.	G 206040
EC certificate	0786-CPR-21034

B01622-00

590,00

Power Supply Unit 24 V / 4,2 A as external PSU, according to EN54-4, CPD and VdS approved


- Power Supply Unit according EN54, part 4, tested and approved by the VdS
- Universal use e.g. for detectors for special applications like aspirating systems
- To be mounted in housing A1 or B1
- **please order housing B01400-00 or B01410-00 separately**
- 6 fused and monitored outputs
- Temperature compensated battery charging
- Short circuit protection
- In-Built filter for mains AC
- 4 fault relays to transmit fault condition to FCP

Technical specifications

Operating voltage	195 – 253 V AC
Output voltage	24 V DC / 4,2 A
Battery charging	max. 2 x 12 V / 40 Ah (2,3 A)
External consumers	1,9 A
Operating temperature	-5 °C to + 40 °C
Weight	2,8 kg w/o. Housing
Dimensions	see Housing

Certifications

VdS-No.	G 206040
EC certificate	0786-CPR-21034

Order No.	Unit price	Description
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B01623-00

338,00

Power Supply 24V / 3A, according to EN54-4:A2, as external PSU, VdS approved



- External power supply
- in metal housing

NOTE: Not for 12Ah batteries (notice dimensions)

Technical specifications	
Operating voltage	230 VAC, 50/60Hz
Output (incl. charging)	24 V DC / 3,0 A
Fault relay	3 x potential free
Batteries (not included)	2x 12V DC / 18Ah
IP rating	IP44
Weight	ca. 6,4kg w/o Batteries
Dimensions (WxHxD)	395x360x100 mm
Certifications	
VdS-No.	G 511007
EC certificate	1438-CPD-0163

B01624-00

378,00

Power Supply Unit 24 V / 1,5 A as external PSU, according to EN54-4, CPD and VdS approved



- PSU according to EN54, part 4, tested and approved by VdS
- Ideal e.g. for Aspirating Smoke Detectors
- Surface mounted steel housing
- One fused power output 24V
- Temperature compensated battery charger
- One relay contact to indicate faults

Technical specifications	
Operating voltage	230 VAC, 50/60Hz
Output (incl. charging)	24V DC / 1,5 A
IP rating	IP30
Operating temperature	-5°C to +40°C
Batteries	max. 2 x 19 Ah / 12 V
Weight	5 kg
Dimensions (WxHxD)	404 x 404 x 110 mm
Certifications	
VdS-No.	G 209196
EC certificate	0786-CPD-20891

B01626-00

530,00

Power Supply Unit 24V / 5 A as external PSU, according to EN54-4, CPD and VdS approved



- Delivery in a.P-metal housing, without batteries
- 1x fault relay, potential-free

Technical specifications	
Operating voltage	230 VAC, 50/60Hz
Output (incl. charging)	24V DC / 5 A
IP rating	IP30
Operating temperature	-5°C to +40°C
Batteries	max. 2 x 19 Ah / 12 V
Weight	6 kg
Dimensions (WxHxD)	404 x 404 x 110 mm
Certifications	
VdS-No.	G 209197
EC certificate	0786-CPD-20892

Order No.	Unit price	Description
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B01630-00

120,00

DC/DC converter 24VDC / 12VDC

- PCB to supply 12 V loads
- Mounting either directly on back board of FCP or on DIN rail
- Universal use
- Short circuit protection

**Technical specifications**

Input voltage	24V DC (18-36V)
Output voltage	12 V / 500 mA
Dimensions (WxHxD)	103 x 72 x 25 mm

B01650-00

248,00

Metal housing IP 65 for universal Power Supplies

- ideal for above listed Power Supplies B01600-00 and B01610-00
- there is also space for PCB with 8 fused outputs B01660-00
- high IP rating 65
- With lockable door
- incl. back plate for assembly

**Technical specifications**

Space for batteries	max. 2 x 7,2 Ah / 12V
Dimensions (WxHxD)	300 x 300 x 120 mm

B01660-00

125,00

PCB with 8 fused outputs, as option for above Power Supplies

- PCB with 8 fused outputs (terminals), max. load 500 mA for each output
- Monitoring the Mains AC
- Terminals for input voltage, back-up batteries and loads
- Fuses (500 mA) can be replaced very easy





**10 years warrenty
on all Apollo products**

except for CO detectors

2 Addressable Detectors and Modules

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Analogue addressable Detectors

2

Order No.	Unit price	Description
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B02900-00

60,00

SOTERIA Optical Smoke Detector



- Optical Smoke Detector
 - Dual-Isolator integrated
 - Protocols: CoreProtocol, XP95, Discovery
 - Fits XP95 base mechanically
 - Protection class: IP44
 - Integrated automatic drift compensation
 - 5 different EN54-approved operation modes (sensitivities, etc.) on board and selectable via the control panel
 - Connector for remote indicator
 - Locking mechanism (grub screw)
 - Addressable via XPERT8-card or through Soft-Addressing via the control panel**
 - Up to 254 detectors (+ 254 base alarm devices) per Loop**
 - PureLight technology reduces the risk of false alarms and increases significantly the reliability of the fire detection.
 - Tri-coloured 360° LED status indicator (alarm, fault resp. isolator activated, polling)
 - FasTest function reduces service time for detector maintenance significantly**
- **Attention: for **-marked functions, use of CoreProtocol is mandatory (development in process)**

Technical specifications	
Operating voltage	17 – 35 V
Quiescent current	350 µA
Operating temperature	-40°C to +70°C
Relative humidity	up to max. 95%*
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	100 x 36 mm
Dimensions (Ø x H)	100 x 48 mm (with base)
Weight	83 g
Housing material	PC (V-0 / UL 94)
Certifications	
VdS-No.	G 216027
EC-certificate	0832-CPR-F0755

*No condensation or icing

Order No.	Unit price	Description
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B02904-00

70,00

SOTERIA Multisensor (Smoke/Heat)

- Offers a combination of a smoke detector with a dual heat sensor. It can be switched to detect smoke, heat or a combination of both offering the highest degree of flexibility
 - Dual-Isolator integrated
 - Protocols: CoreProtocol, XP95, Discovery
 - Fits XP95 base mechanically
 - Protection class: IP54
 - Integrated automatic drift compensation
 - 5 different EN54-approved operation modes (sensitivities, etc.) on board and selectable via the control panel.
 - Connector for remote indicator
 - Locking mechanism (grub screw)
 - Addressable via XPERT8-card or through Soft-Addressing via the control panel**
 - Up to 254 detectors (+ 254 base alarm devices) per Loop**
 - PureLight technology reduces the risk of false alarms and increases significantly the reliability of the fire detection.
 - Tri-coloured 360° LED status indicator (alarm, fault resp. isolator activated, polling)
 - FasTest function reduces service time for detector maintenance significantly**
- **Attention: for **-marked functions, use of CoreProtocol is mandatory (development in process)**

Technical specifications

Operating voltage	17 – 35 V
Quiescent current	350 µA
Operating temperature	-40°C to +70°C
Relative humidity	up to max. 95%*
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	100 x 38,5 mm
Dimensions (Ø x H)	100 x 50,5 mm (with base)
Weight	83 g
Housing material	PC (V-0 / UL 94)

Certifications

VdS-No.	G 216028
EC-certificate	0832-CPR-F0753

*No condensation or icing

Order No.	Unit price	Description
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B02906-00

62,00

SOTERIA Heat Detector

- Dual heat sensor for verified heat detection in all directions.
 - Dual-Isolator integrated
 - Protocols: CoreProtocol, XP95, Discovery
 - Fits XP95 base mechanically
 - Protection class: IP54
 - 8 different EN54-approved operation modes (A, B, C class acc. to EN54-5) on board and selectable via the control panel (5 modes while using XP95/Discovery protocol).
 - Static and rate-of-rise modes
 - Connector for remote indicator
 - Locking mechanism (grub screw)
 - Addressable via XPERT8-card or through Soft-Addressing via the control panel**
 - Up to 254 detectors (+ 254 base alarm devices) per Loop**
 - Tri-coloured 360° LED status indicator (alarm, fault resp. isolator activated, polling)
 - FasTest function reduces service time for detector maintenance significantly**
- **Attention: for **-marked functions, use of CoreProtocol is mandatory (development in process)**

Technical specifications	
Operating voltage	17 – 35 V
Quiescent current	350 µA
Operating temperature	-40°C to +70°C
Relative humidity	up to max. 95%*
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	100 x 38,5 mm
Dimensions (Ø x H)	100 x 50,5 mm (with base)
Weight	83 g
Housing material	PC (V-0 / UL 94)
Certifications	
VdS-No.	G 216026
EC-certificate	0832-CPR-F0757

*No condensation or icing

Order No.	Unit price	Description
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B02700-00

59,00

Discovery Optical Smoke Detector

Picture incl. base

- Optical smoke detector using the light scatter principle
- Optimized installation and startup by easy addressing through patented XPERT card. The position of the XPERT card within the detector base prevents from false addressing after detector replacement or service.
- Drift compensation integrated in detector
- 5 different built-in operation modes (all EN54-approved) selectable via control panel defining specific sensitivity levels and delays
- No disturbance through wind or air pressure fluctuation
- 2 Alarm-LEDs guarantee 360°-LED visibility
- 4 Bytes of non-volatile memory (EEPROM) for user data e.g. date of last revision
- Alarm flag for fast alarm reporting
- Connector for remote indicator
- Timeless elegant design
- Remote test feature

Technical specifications

Operating voltage	17 – 28 V
Quiescent current	300 µA
Operating temperature	-40°C to +70°C
Relative humidity	up to max. 95%*
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	100 x 42 mm
Dimensions (Ø x H)	100 x 50 mm (with base)
Weight	105 g (160 g with base)
Housing material	PC (V-0 / UL 94)
Certifications	
VdS-No.	G 299037
EC-certificate	0832-CPR-F1031

* No condensation or icing

Order No.	Unit price	Description
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B02704-00

71,00

Discovery Multisensor (Smoke/Heat)

Picture incl. base

- Including a heat detector and an optical smoke detector using the light scatter principle
- Optimized installation and startup by easy addressing through patented XPERT card. The position of the XPERT card within the detector base prevents from false addressing after detector replacement or service.
- Drift compensation integrated in detector
- 5 different built-in operation modes (all EN54-approved) selectable via control panel defining specific sensitivity levels and delays
- Heat-only (A1R) and smoke-only modes integrated
- No disturbance through wind
- 2 Alarm-LEDs guarantee 360°-LED visibility
- 4 Bytes of non-volatile memory (EEPROM) for user data e.g. date of last revision
- Alarm flag for fast alarm reporting
- Connector for remote indicator
- Timeless elegant design
- Remote test feature

Technical specifications

Operating voltage	17 – 28 V
Quiescent current	400 µA
Operating temperature	-40°C to +70°C
Relative humidity	up to max. 95%*
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	100 x 50 mm
Dimensions (Ø x H)	100 x 58 mm (with base)
Weight	105 g (160 g with base)
Housing material	PC (V-0 / UL 94)

Certifications

VdS-No.	G 299038
EC-certificate	0832-CPR-F1032

* No condensation or icing

Order No.	Unit price	Description
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B02706-00

57,00

Discovery Heat Detector

Picture incl. base

- Heat sensor with thermistor
- Optimized installation and startup by easy addressing through patented XPERT card. The position of the XPERT card within the detector base prevents from false addressing after detector replacement or service.
- 5 different built-in operation modes (all EN54-approved: A1R, A2R, A2S, CR, CS) selectable via control panel defining specific sensitivity levels and delays
- No disturbance through wind or air pressure fluctuation
- 2 Alarm-LEDs guarantee 360°-LED visibility
- 4 Bytes of non-volatile memory (EEPROM) for user data e.g. date of last revision
- Alarm flag for fast alarm reporting
- Connector for remote indicator
- Timeless elegant design
- Remote test feature

Technical specifications

Operating voltage	17 – 28 V
Quiescent current	400 µA
Operating temperature	-40°C to +80°C*
Relative humidity	up to max. 95%*
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	100 x 42 mm
Dimensions (Ø x H)	100 x 50 mm (with base)
Weight	105 g (160 g with base)
Housing material	PC (V-0 / UL 94)
Certifications	
VdS-No.	G 299039
EC-certificate	0832-CPD-0022

* No condensation or icing

Order No.	Unit price	Description
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B02708-00

125,00

Discovery CO Detector

Picture incl. base

- Enhanced detection capability
- Ideal for smouldering fires
- Less susceptible to false alarms caused by steam than smoke detectors
- Optimized installation and startup by easy addressing through patented XPERT card. The position of the XPERT card within the detector base prevents from false addressing after detector replacement or service.
- 5 different built-in operation modes selectable via control panel defining specific sensitivity levels and delays
- No disturbance through wind
- 2 Alarm-LEDs guarantee 360°-LED visibility
- 4 Bytes of non-volatile memory (EEPROM) for user data e.g.date of last revision
- Alarm flag for fast alarm reporting
- Connector for remote indicator
- Timeless elegant design
- Remote test feature

Technical specifications

Operating voltage	17 – 28 V
Quiescent current	300 µA
Operating temp. continuous	0°C to +50°C
Operating temp. transient	-20°C to +55°C*
Rel. humidity continuous	15% to 90%
Rel. humidity transient	0% to 99%
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	100 x 42 mm
Dimensions (Ø x H)	100 x 50 mm (with base)
Weight	105 g (160 g with base)
Housing material	PC (V-0 / UL 94)

* No condensation or icing

Order No.	Unit price	Description
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B02710-00

138,00

Discovery Multisensor (CO/Heat)

- Multisensor consisting of a CO detector and a heat detector
- Responds to smouldering and flaming fires
- Less susceptible to false alarms caused by steam and dust
- Optimized installation and startup by easy addressing through patented XPERT card. The position of the XPERT card within the detector base prevents from false addressing after detector replacement or service.
- 5 different built-in operation modes selectable via control panel defining specific sensitivity levels and delays
- Smoke-only and CO-only modes available
- No disturbance through wind
- 2 Alarm-LEDs guarantee 360°-LED visibility
- 4 Bytes of non-volatile memory (EEPROM) for user data e.g.date of last revision
- Alarm flag for fast alarm reporting
- Connector for remote indicator
- Timeless elegant design
- Remote test feature

Technical specifications

Operating voltage	17 – 28 V
Quiescent current	400 µA
Operating temp. continuous	0°C to +50°C
Operating temp. transient	-20°C to +55°C*
Rel. humidity continuous	15% to 90%
Rel. humidity transient	0% to 99%
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	100 x 54 mm
Dimensions (Ø x H)	100 x 60 mm (with base)
Weight	105 g (160 g with base)
Housing material	PC (V-0 / UL 94)

Certifications

VdS-No.	G 215018
EC-certificate	0832-CPD-1761

* No condensation or icing

Order No.	Unit price	Description
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B02600-00

56,00

XP95 Optical smoke detector

- Optical smoke detector (XP95 series) using the light scatter principle
- Optimized installation and startup by easy addressing through patented XPERT card. The position of the XPERT card within the detector base prevents from false addressing after detector replacement or service.
- Drift compensation via control panel
- Timeless elegant design
- 5 different alarm thresholds can be selected via the control panel.
- No disturbance through wind or air pressure fluctuation.
- Including a red alarm LED

Technical specifications

Operating voltage	17 – 28 V
Quiescent current	340 µA
Operating temperature	-20°C to +60°C
Rel. humidity	max. 95%*
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	100 x 42 mm
Dimensions (Ø x H)	100 x 50 mm (with base)
Weight	105 g (157 g with base)
Housing material	PC (V-0 / UL 94)

Certifications

VdS-No.	G 294028
EC-certificate	0832-CPD-0164

* no condensation or icing

B02600-01

91,00

XP95 Optical smoke detector black

- like B02600-00 but with black housing

Order No.	Unit price	Description
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B02606-00

57,50

XP95 Heat detector (A2S)

- Heat detector of XP95 family.
- Optimized installation and startup by easy addressing through patented XPERT card. The position of the XPERT card within the detector base prevents from false addressing after detector replacement or service.
- Drift compensation via control panel
- Timeless elegant design
- 5 different alarm thresholds can be selected via the control panel.
- No disturbance through air pressure fluctuation.
- Including a red alarm LED

Technical specifications

Operating voltage	17 – 28 V
Quiescent current	250 µA
Operating temperature	-20°C to +70°C
Rel. humidity	max. 95%*
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	100 x 42 mm
Dimensions (Ø x H)	100 x 50 mm (with base)
Weight	105 g (157 g with base)
Housing material	PC (V-0 / UL 94)

Certifications

VdS-No.	G 294029
EC-certificate	0832-CPD-0161

* no condensation or icing

Bases for analogue addressable Detectors

2

Order No.	Unit price	Description
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B02950-00

5,50

SOTERIA XPERT8 Standard Base



- XPERT8-Addressing
- Compatible with SOTERIA-, XP95- and Discovery detectors
- Isolated wiper - maintains loop connectivity during temporary removal of devices
- 'E-Z Fit' allows for simple mounting of the detector base after wiring

Technical specifications

Colour	white (similar RAL 9003)
Dimensions (Ø x T)	100 x 20mm
Weight	63g
Housing material	PC (V-0 / UL 94)
Certifications	
VdS-No.	G 216027
VdS-system approval	applied
EC-certificate	0832-CPR-F0755

B02750-00

5,30

XP95 / Discovery Intelligent Mounting base, white



- XPERT-addressing
- One way fit of detector
- Locking feature to prevent unauthorised removal
- Stainless steel contacts

Technical specifications

Operating voltage	17 - 28 V
Operating temperature	-40°C to +70°C
Relative humidity	max. 95%*
Colour	white (similar RAL 9003)
Dimensions (Ø x T)	100 x 16 mm
Weight	55 g
Housing material	PC (V-0 / UL 94)
Certifications	
VdS-No.	G 299037
EC-certificate	0832-CPR-F1031

B02750-01

16,40

XP95 / Discovery Intelligent Mounting base, black



- XPERT-addressing
- One way fit of detector
- Locking feature to prevent unauthorised removal
- Stainless steel contacts

Technical specifications

Supply voltage	17 - 28 V
Operating temperature	-40°C to +70°C
Rel. humidity	max. 95%
Colour	black
Dimensions (Ø x H)	100 x 16mm
Weight	55g
Housing material	PC (V-0 / UL 94)

Order No.	Unit price	Description
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B02752-00

10,60

XP95 / Discovery Isolating base

- XPERT-addressing
- One way fit of detector
- Locking feature to prevent unauthorised removal
- Stainless steel contacts
- High brightness LED
- Senses and detects short-circuit faults on XP95 / Discovery loops
- Up to 20 detectors or their equivalent load may be installed between isolators
- Minimises disruption from short-circuits
- Integrated isolator

Technical specifications	
Operating voltage	17 – 28 V
Quiescent current	23-43 μ A
Operating temperature	-20°C to +60°C
Relative humidity	max. 95%*
Colour	white (similar RAL 9003)
Dimensions (\varnothing x T)	100 x 24 mm
Weight	100 g
Housing material	PC (V-0 / UL 94)
Certifications	
VdS-No.	G 210033
EC-certificate	0832-CPD-1011

*No condensation or icing

B02756-00

31,40

XP95 / Discovery Low Power Relay Base

- XPERT-addressing
- One way fit of detector
- Locking feature to prevent unauthorised removal
- Stainless steel contacts
- Provides a set of voltage-free contacts controlled by the remote output of a detector
- Draws negligible current
- Capable of switching up to 30V at 1A

Technical specifications	
Operating voltage	17 – 28 V
Quiescent current	< 1 μ A
Contact closed	0,04 mA
Operating temperature	-20°C to +70°C
Relative humidity	max. 95%*
Colour	white (similar RAL 9003)
Dimensions (\varnothing x T)	100 x 24 mm
Weight	100 g
Housing material	PC (V-0 / UL 94)
Certifications	
EC-certificate	0832-CPD-0845

*No condensation or icing

Order No.	Unit price	Description
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B02760-00

31,10

XP95 / Discovery Isolator

- Detects wiring short-circuits
- Minimises disruption from short-circuits
- Automatic de-isolation on the short-circuit removal
- Up to 20 detectors or their equivalent load may be installed between isolators

Technical specifications

Operating voltage	17 – 28 V
Quiescent current	23 – 45 µA
Operating temperature	-20°C to +60°C
Relative humidity	max. 95%*
Colour	white (similar RAL 9003)
Dimensions (Ø x T)	100 x 23 mm
Weight	64 g
Housing material	PC (V-0 / UL 94)

Certifications

VdS-No.	G 200083
EC-certificate	0832-CPD-0843

*No condensation or icing

B02762-00

5,40

XP95 / Discovery Base for Isolator B02760-00

- Will only accept isolator B02760-00

Certifications

VdS-No.	G 200083
EC-certificate	0832-CPD-0843

Manual Call Points "type B" (double action), addressable

Order No.	Unit price	Description
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B02620-00

122,00

XP95 Manual call point, red, metal, with symbol „Burning house“ and isolator, "type B" acc. to EN54-11



- Addressable Manual call point
- Integrated short cut isolator
- Robust metal housing with lateral opening mechanism
- Fully compatible with XP95 and Discovery
- Protection class: IP 42

Technical specifications

Operating voltage	17 – 28 V
Quiescent current	0,2 mA
Alarm current	2 mA
Operating temperature	-10°C to +50°C
Colour	red (RAL 3000)
Dimensions (HxWxD)	125 x 125 x 39 mm
Weight	500 g
Housing material	Steel, powder coating

Certifications

VdS-No.	G 297059
EC-certificate	0786-CPD-20455

B02620-01

122,00

XP95 Manual call point, blue, metal, with symbol „Hausalarm“ and isolator, acc. to EN54-11



- like before but with blue housing and symbol „Hausalarm“

Technical specifications

Operating voltage	17 – 28 V
Quiescent current	0,2 mA
Alarm current	2 mA
Operating temperature	-10°C to +50°C
Colour	blue
Dimensions (HxWxD)	125x125x39mm
Weight	500 g
Housing material	Steel, powder coating

Certifications

VdS-No.	G 297059
EC-certificate	0786-CPD-20455

Order No.	Unit price	Description
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B02621-00

84,80

XP95 Manual call point, red, ABS, with symbol „Burning house“ and isolator, acc. to EN54-11



- Addressable Manual call point
- Integrated short cut isolator
- Fully compatible with XP95 and Discovery
- Protection class: IP 42

Technical specifications

Operating voltage	17 – 28 V
Quiescent current	0,2 mA
Alarm current	2 mA
Operating temperature	-10°C to +50°C
Colour	red (RAL 3000)
Dimensions (HxWxD)	125 x 125 x 36 mm
Weight	200 g
Housing material	ABS

Certifications

VdS-No.	G 297059
EC-certificate	0786-CPD-20455

B02621-01

84,80

XP95 Manual call point, blue, ABS, with symbol „Hausalarm“ and isolator, acc. to EN54-11



- like before but with blue housing and symbol „Hausalarm“

Technical specifications

Operating voltage	17 – 28 V
Quiescent current	0,2 mA
Alarm current	2 mA
Operating temperature	-10°C to +50°C
Colour	blue
Dimensions (HxWxD)	125 x 125 x 36 mm
Weight	200 g
Housing material	ABS

Certifications

VdS-No.	G 297059
EC-certificate	0786-CPD-20455

Manual Call Points "type A" (single action), addressable

Order No.	Unit price	Description
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B02925-00

60,00

Manual Call Point „Type A“, red, PC, with isolator and symbol „Burning House“ acc. to EN54-11



- Supports XP95, Discovery, CoreProtocol
- Resettable operating element
- Easy access, front reset mechanism
- E-Z fit connector system for installation
- 170° viewable LED
- Continuity link for cable insulation testing
- Suitable for semi flush or surface mounting
- Protection class: IP44

Technical specifications

Operating voltage	17 – 35 V
Quiescent current	100 µA
Alarm current	4 mA
Operating temperature	-40°C to +70°C
Relative humidity	max. 95%*
Colour	red
Dimensions (HxWxD)	90 x 90 x 63 mm
Weight	180 g
Housing material	PC

Certifications

VdS-No.	G 216017
VdS-system approval	applied
EC-certificate	0832-CPR-F1062

*Variations of condensation or icing possible

B02727-00

192,00

Discovery Manual Call Point, red, PC, with isolator and symbol „Burning house“ acc. to EN54-11, waterproof



- Front facing addressing without the need to detach the backbox
- A unique, ergonomically designed key for resetting and front cover removal
- Flashing-LED option
- 180° viewable LED
- Protection class: IP67

Technical specifications

Operating voltage	17 – 28 V
Quiescent current	100 µA
Alarm current	4 mA
Operating temperature	-30°C to +70°C
Relative humidity	max. 95%*
Colour	rot
Dimensions (LxWxD)	110 x 110 x 74 mm
Weight	180 g
Housing material	PC



Certifications

EC-certificate	0359-CPD-0186
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*No condensation or icing

Accessories for Manual Call Points

2

Order No.	Unit price	Description				
B02348-00	23,50	Protective housing shield, red, aluminum, for "type B" MCP <ul style="list-style-type: none"> protects against weather protects against mechanical damage 				
						
<table border="1"> <thead> <tr> <th colspan="2">Technical specifications</th> </tr> </thead> <tbody> <tr> <td>Dimensions (WxHxD)</td> <td>158 x 150 x 36/54 mm</td> </tr> </tbody> </table>			Technical specifications		Dimensions (WxHxD)	158 x 150 x 36/54 mm
Technical specifications						
Dimensions (WxHxD)	158 x 150 x 36/54 mm					
B12202-00	1,90	Spare glass for „type B“ version MCP acc. to DIN EN 54, Teil 11				
B12205-00	2,10	Spare key for "type B" version MCP, synthetic				
B02623-02	63,50	Seal set for MCP B02620-00 und B02620-01 <ul style="list-style-type: none"> To increase protection class from IP42 to IP54 including rubber seal and rain cover (stainless steel) 				
B04574-00	12,00	Single Transparent Hinged Cover for MCP B02925-xx for on site mounting (1 piece). <ul style="list-style-type: none"> Protects from accidental activation 				
						

Interface overview

Aufputzmodule

Order-No.	Loop addresses	Monitored inputs	Monitored outputs (for alarm devices)	Relay outputs (n/c, n/o)	Max. current per output	Monitoring of conv. detectors	Integrated isolator
B02940-00	1	1	-	1	1A	-	Yes
B02942-00	2	2	-	2	1A	-	Yes
B02944-00	1	2	-	1	5A	-	Yes
B02947-00	1	1	-	-	-	-	Yes
B02949-00	2	2	-	-	-	-	Yes
B02842-00	1	3	-	3	1A	-	Yes
B02846-00	1	1*	1	-	1A	-	Yes
B02852-00	1	-	-	-	-	max. 20	Yes

* for external power supply

B02940-00	Intelligent Input/Output Unit	B02949-00	Intelligent Dual Zone Monitoring Unit
B02942-00	Intelligent Twin Input/Output Unit	B02842-00	3-Channel Input/Output Unit
B02944-00	Intelligent 250V Input/Output Unit	B02846-00	Sounder Control Unit
B02947-00	Intelligent Monitoring Unit	B02852-00	Zone Monitor Unit

DIN-Rail-Module

Order-No.	Loop addresses	Monitored inputs	Monitored outputs (for alarm devices)	Relay outputs (n/c, n/o)	Max. current per output	Monitoring of conv. detectors	Interrupt function	Integrated isolator
B02960-00	1	1	-	1	1A			Yes
B02967-00	1	1	-	-	-			Yes
B02864-00	1	1	-	1	8A			-
B02866-00	1	-	-	-	-			Yes
B02868-00	1	1*	1	-	5A			-
B02871-00	1	-	-	-	-	max. 20		Yes
B02874-00	1	1	-	-	-		Yes	Yes

* for external power supply

B02960-00	Intelligent Input/Output Unit	B02868-00	Sounder Control Unit
B02967-00	Intelligent Switch Monitor Unit	B02871-00	Zone Monitor Unit
B02864-00	250V Input/Output Unit	B02874-00	Mini Switch Monitor
B02866-00	Dual Isolator Unit		

Order No.	Unit price	Description
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B02940-00

91,00

Intelligent Input/Output Unit with short-circuit isolator, IP52 enclosure, 1 monitored input, 1 relay (1A @ 30V)



- Supports XP95, Discovery and CoreProtocol
 - For surface mounting
 - Address range 1 - 254**
 - Nine pre-configured operation modes available**
 - Failsafe-mode acc. to BS 7273-4 standard**
 - Earth fault monitoring**
- **Attention: for **-marked functions, use of CoreProtocol is mandatory (development in process)**

Technical specifications

Operating voltage	17 – 35 V
Quiescent current	0,5 mA
Operating temperature	-40°C to +70°C
Relative humidity	max. 95%*
Colour	white
Dimensions (HxWxD)	60 x 150 x 90 mm
Weight	244 g

Certifications

VdS-No.	G 217056
VdS-system approval	applied for Vds S Approved
EC-certificate	0832-CPR-F1316

* no condensation or icing

B02942-00

102,00

Intelligent Twin Input/Output Unit with short-circuit isolator, IP52 enclosure, 2 monitored inputs, 2 relays (1A @ 30V)



- Consists of 2 intelligent single Input/Output units in one housing. The 2 interface units are electrically independent. Each interface unit is equipped with its own addressing DIL switch.
 - Address range 1 - 254**
 - For surface mounting
 - Nine pre-configured operation modes available**
 - Failsafe-mode acc. to BS 7273-4 standard**
 - Earth fault monitoring**
- **Attention: for **-marked functions, use of CoreProtocol is mandatory (development in process)**

Technical specifications

Operating voltage	17 – 35 V
Quiescent current	0,5 / 1,0 mA
Operating temperature	-40°C to +70°C
Relative humidity	max. 95%*
Colour	white
Dimensions (HxWxD)	60 x 150 x 90 mm
Weight	281 g

Certifications

VdS-No.	G 217058
VdS-system approval	applied for
EC-certificate	0832-CPR-F1319

* no condensation or icing

Order No.	Unit price	Description
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B02944-00

110,00

Intelligent 250V Input/Output Unit with short-circuit isolator, IP52 enclosure, 2 monitored inputs, 1 relay (5 A @ 250 V)



- Supports XP95, Discovery and CoreProtocol
 - For surface mounting
 - Address range 1 - 254**
 - Nine pre-configured operation modes available**
 - Failsafe-mode acc. to BS 7273-4 standard**
 - Earth fault monitoring**
- **Attention: for **-marked functions, use of CoreProtocol is mandatory (development in process)**

Technical specifications

Operating voltage	17 – 35V
Quiescent current	0,7 mA
Operating temperature	-40°C to +70°C
Relative humidity	max. 95%*
Colour	white
Dimensions (HxWxD)	60 x 150 x 90 mm
Weight	301 g

Certifications

VdS-No.	G 217057
VdS-system approval	applied for
EC-certificate	0832-CPR-F1318

* no condensation or icing

B02947-00

80,00

Intelligent Switch Monitor Unit with short-circuit isolator, IP52 enclosure, 1 monitored input



- Supports XP95, Discovery and CoreProtocol
 - For surface mounting
 - Address range 1 - 254**
 - Five pre-configured operation modes available**
 - Priority mode for fast response**
 - Configurable input styles**
 - Earth fault monitoring**
- **Attention: for **-marked functions, use of CoreProtocol is mandatory (development in process)**

Technical specifications

Operating voltage	17 – 35 V
Quiescent current	0,5 mA
Operating temperature	-40°C to +70°C
Relative humidity	max. 95%*
Colour	white
Dimensions (HxWxD)	60 x 150 x 90 mm
Weight	239 g

Certifications

VdS-No.	G 217055
VdS-system approval	applied for VDS S Approved
EC-certificate	0832-CPR-F1316

* no condensation or icing

Order No.	Unit price	Description
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B02949-00

102,00

Intelligent Twin Switch Monitor Unit with short-circuit isolator, IP52 enclosure, 2 monitored inputs



- The Intelligent Twin Switch Monitor provides the function of two Switch Monitor units within one enclosure. The two units are electrically independent of each other. There is a DIL switch on each unit to set the address.
 - Supports XP95, Discovery and CoreProtocol
 - For surface mounting
 - Address range 1 - 254**
 - Five pre-configured operation modes available**
 - Priority mode for fast response**
 - Configurable input styles**
 - Earth fault monitoring**
- **Attention: for **-marked functions, use of CoreProtocol is mandatory (development in process)**

Technical specifications

Operating voltage	17 – 35 V
Quiescent current	0,5 mA / 1,0 mA
Operating temperature	-40°C to +70°C
Relative humidity	max. 95%*
Colour	white
Dimensions (HxWxD)	60 x 150 x 90 mm
Weight	273 g

Certifications

VdS-No.	G 217062
VdS-system approval	applied for VDS S Approved
EC-certificate	0832-CPR-F1319

* no condensation or icing

B02842-00

209,00

XP95 / Discovery 3-Channel Input/Output Unit with Isolator IP54-housing for surface mounting



- Provides three voltage-free, single pole, changeover relay outputs
- Supervises one or more normally open switches on each of the three inputs
- Loop-powered
- Capable of switching up to 30V at 1A on each of the three outputs
- Ten LEDs (6x Red and 4x Yellow) are fitted to PCB. All (except the isolator LED) can be disabled to conserve loop current.
- Integrated isolator
- Protection class: IP54

Technical specifications

Operating voltage	17 – 28 V
Quiescent current	3,0 mA
Operating temperature	-20°C to +70°C
Relative humidity	max. 95%*
Colour	white
Dimensions (LxWxD)	250 x 175 x 75 mm
Weight	621 g

Certifications

VdS-No.	G 202052
VdS-system approval	applied for
EC-certificate	2531-CPR-CSP11161

*No condensation or icing

Order No.	Unit price	Description
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B02846-00

119,00

XP95 / Discovery Sounder Control Unit with Isolator and IP54-housing for surface mounting

- The Sounder Control Unit is used to control the operation of a zone of conventional sounders and report their status to the control panel.
- Allows sounders to be operated continuously or be pulsed; 1 second on, 1 second off
- May be synchronised with loop sounders.
- Three visible LEDs (1x red for active sounders, 1x yellow for fault, 1x yellow for isolator).
- Requires a local power supply of 9-32 V to power the external load which may be up to 1,0A.
- Sounder wiring and external power supply are monitored.
- Integrated isolator
- Protection class: IP54

Technical specifications	
Operating voltage	17 – 28 V
Quiescent current	1,95 mA
Max. externe Last	1,0 A
Operating temperature	-20°C to +70°C
Relative humidity	max. 95%*
Colour	white
Dimensions (LxWxD)	150 x 90 x 48 mm
Weight	240 g
Certifications	
VdS-No.	G 201095
EC-certificate	0832-CPD-0871

*No condensation or icing

B02852-00

120,00

XP95 / Discovery Zone Monitor Unit with Isolator and IP54-housing for surface mounting

- The Zone Monitor powers and controls the operation of a zone of up to 20 conventional detectors
- Two visible LEDs (1x red as alarm indicator, 1x yellow for isolator function)
- Integrated isolator
- Protection class: IP54

Technical specifications	
Operating voltage	17 – 28 V
Quiescent current	4 mA (w/o Detector)
Operating temperature	-20°C to +70°C
Relative humidity	max. 95%*
Colour	white
Dimensions (LxWxD)	150 x 90 x 48 mm
Weight	230 g
Certifications	
VdS-No.	G 201094
EC-certificate	0832-CPD-0868

*No condensation or icing

Order No.	Unit price	Description
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B02960-00

106,00

Intelligent DIN-Rail Input/Output Unit with short-circuit isolator, 1 monitored input, 1 relay (1 A @ 30 V)


- Supports XP95, Discovery and CoreProtocol
 - Address range 1 - 254**
 - Nine pre-configured operation modes available**
 - Failsafe-mode acc. to BS 7273-4 standard**
 - Earth fault monitoring**
- **Attention: for **-marked functions, use of CoreProtocol is mandatory (development in process)**

Technical specifications	
Operating voltage	17 - 35 V DC
Quiescent current	0,5 mA
Maximum current (LEDs on)	3,5 mA
Operating temperature	-40°C to +70°C
Relative humidity	max. 95%*
Colour	white
Dimensions (HxWxD)	33 x 102 x 33 mm
Weight	49 g
Certifications	
VdS-No.	G 217060
VdS-system approval	applied for
EC-certificate	CE 0832-CPR-F1316

* no condensation or icing

B02967-00

106,00

Intelligent DIN-Rail Switch Monitor Unit with short-circuit isolator, 1 monitored input


- Supports XP95, Discovery and CoreProtocol
 - Address range 1 - 254**
 - Five pre-configured operation modes available**
 - Priority mode for fast response**
 - Configurable input styles**
 - Earth fault monitoring**
- **Attention: for **-marked functions, use of CoreProtocol is mandatory (development in process)**

Technical specifications	
Operating voltage	17 - 35 V DC
Quiescent current	0,5 mA
Maximum current (LEDs on)	2 mA
Operating temperature	-40°C to +70°C
Relative humidity	max. 95%*
Colour	white
Dimensions (HxWxD)	33 x 102 x 33 mm
Weight	46 g
Certifications	
VdS-No.	G 217059
VdS-system approval	applied for
EC-certificate	0832-CPR-F1316

* no condensation or icing

Order No.	Unit price	Description
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B02864-00

168,00

XP95 / Discovery DIN Rail Input/Output Unit

- The DIN-Rail Dual Isolator provides two independent isolators which sense and isolate short circuits on Discovery and XP95 loops and spurs.
- Loop-powered
- Polarity sensitive
- Up to 20 detectors can be installed between isolators
- Allows fully isolated spurs

Technical specifications

Operating voltage	max. 30 V DC
Quiescent current	1,5 mA at 28 V
Rated load at 55°C ambient	8 A @ 250 V AC (resistive)
Operating temperature	-20°C to +65°C
Relative humidity	max. 95%*
Colour	green
Dimensions (LxWxD)	110 x 107 x 20 mm
Weight	95 g

Certifications

EC-certificate	0832-CPD-0853
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*No condensation or icing

B02866-00

114,00

XP95 / Discovery DIN Rail Dual Isolator

- The DIN-Rail Dual Isolator provides two independent isolators which sense and isolate short circuits on Discovery and XP95 loops and spurs.
- Loop-powered
- Polarity sensitive
- Up to 20 detectors can be installed between isolators
- Allows fully isolated spurs

Technical specifications

Operating voltage	max. 30 V DC
Quiescent current	47µA at 28 V
Maximum current	4 mA (Isolator mode)
Operating temperature	-20°C to +60°C
Relative humidity	max. 95%*
Colour	green
Dimensions (LxWxD)	110 x 107 x 20 mm
Weight	90 g

Certifications

EC-certificate	0832-CPD-0844
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*No condensation or icing

Order No.	Unit price	Description
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B02868-00

125,00

XP95 / Discovery DIN Rail Sounder Control Unit

- The DIN-Rail Sounder Controller (5 Amperes) is used to control the operation of a zone of externally powered sounders (12 – 35V DC) and report their status to the control panel.
- Allows sounders to be operated continuously or be pulsed, 1 second on, 1 second off
- May be synchronised with loop sounders
- An opto-coupled input is provided to monitor the state of the external power supply
- Features group addressing
- Will accept a load of up to 5A
- Protection class: IP20

Technical specifications

Operating voltage	17 – 28 V
Quiescent current	1,9 mA
Operating temperature	-20°C to +70°C
Relative humidity	max. 95%*
Colour	green
Dimensions (LxWxD)	110 x 107 x 20 mm
Weight	95 g

Certifications

EC-certificate	0832-CPD-0852
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*No condensation or icing

B02871-00

106,00

XP95 / Discovery DIN Rail Zone Monitor Unit with Isolator

- The DIN-Rail Zone Monitor with Isolator controls the operation of a zone of up to 20 Apollo Series 65 or Orbis fire detectors from a Discovery or XP95 loop.
- Two visible LEDs (1x red for alarm, 1x yellow for isolator)
- Integrated isolator
- Protection class: IP20

Technical specifications

Operating voltage	17 – 28 V
Quiescent current	4 mA (w/o Detector)
Operating temperature	-20°C to +70°C
Relative humidity	max. 95%*
Colour	green
Dimensions (LxWxD)	110 x 107 x 20 mm
Weight	95 g

Certifications

EC-certificate	0832-CPD-0865
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*No condensation or icing

Order No.	Unit price	Description
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B02874-00

68,00

XP95 / Discovery Mini Switch Monitor with Isolator

- The Mini Switch Monitor is an interface within an entirely new housing. This allows the unit to be fitted onto a standard 35mm DIN-Rail or mounted within an enclosure (e.g. MCP).
- It is designed to monitor the state of one or more single pole, voltage-free contacts connected on a single pair of cables and to report the status to the control panel.
- Three LEDs (1x red for alarm, 1x green for polling, 1x yellow for fault)
- Integrated isolator

Technical specifications	
Operating voltage	17 – 28 V
Quiescent current	0,2 mA
Operating temperature	-20°C to +70°C
Relative humidity	max. 95%*
Colour	white
Dimensions (LxWxD)	39 x 39 x 20 mm
Weight	30 g
Certifications	
VdS-No.	G 210034
EC-certificate	0832-CPD-1072

*No condensation or icing

B07550-00

110,00

Housing for loop modules and galvanic isolators, IP66, incl. DIN rail

- Ideal for the above modules as well as for galvanic isolators (chapter 5)
- Space for 6 isolators / modules
- High protection class IP 66
- Incl. DIN rail

suitable for modules:

- B02858-00
- B02860-00
- B02864-00
- B02868-00
- B02870-00
- B02871-00
- B02874-00

Technical specifications	
IP rating	IP 66
Dimensions (WxHxD)	180 x 180 x 165 mm



3 Conventional Detectors

Automatic conventional Detectors, Type: Orbis	88
Bases for automatic conventional Detectors, Type: Orbis	94
Automatic conventional Detectors, Type: S65.....	96
Bases for automatic conventional Detectors, Type: S65.....	99
Manual Call Points "type A" (single action).....	100

Automatic conventional Detectors, Type: Orbis

Order No.	Unit price	Description
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B03540-00

30,50

Orbis Optical Smoke Detector



Photo incl. base

- The Orbis Optical Smoke Detector operates on the well established light scatter principle. The sensing technology used is radically different from previous optical detectors and significantly reduces false alarms.
- Responds well to slow-burning, smouldering fires
- Good performance in both black and white smoke
- Transient rejection algorithms reduce false alarms
- Automatic drift compensation with DirtAlert, a yellow flashing LED, to easily identify dirty detectors
- Red flashing LED at StartUp confirms that the device is operating. SensAlert, yellow flashing LED, indicates faulty operation
- FasTest takes just 4 seconds to test and confirm detectors are functioning correctly.
- DustDefy system prevents dust ingress while maintaining airflow.

Technical specifications	
Operating voltage	8,5 - 33 V DC
Quiescent current	95 µA
Alarm current	40 mA at 24V
Operating temperature	-40°C to +70°C*
Rel. Humidity	max. 98 %*
Housing	Polycarbonat
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	97 x 31mm
Dimensions (Ø x H)	100 x 46 mm (with base)
Weight	75 g (135 g with base)
Certifications	
VdS-No..	G 204039
EC-certificate	0832-CPR-F1350

*No condensation or icing

Order No.	Unit price	Description
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B03542-00

38,50

Orbis Multisensor (Smoke/Heat)



Photo incl. base

- The Orbis Multisensor Detector benefits from the same false alarm reduction technology as the optical detector, enhanced by the addition of a thermal sensing element.
- Responds well to fast-burning, flaming fires
- Transient rejection algorithms reduce false alarms
- Automatic drift compensation with DirtAlert, a yellow flashing LED, to easily identify dirty detectors
- Red flashing LED at StartUp confirms that the device is operating. SensAlert, yellow flashing LED, indicates faulty operation
- FasTest takes just 4 seconds to test and confirm detectors are functioning correctly
- DustDefy system prevents dust ingress while maintaining airflow

Technical specifications	
Operating voltage	8,5 - 33 V DC
Quiescent current	95 µA
Alarm current	40 mA at 24V
Operating temperature	-40°C to +70°C*
Rel. Humidity	max. 98 %*
Housing	Polycarbonat
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	97 x 42 mm
Dimensions (Ø x H)	100 x 57 mm (with base)
Weight	80 g (140 g with base)
Certifications	
VdS-No.	G 204040
EC-certificate	0832-CPD-0036

*No condensation or icing

Order No.	Unit price	Description
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B03544-00

22,20

Orbis Heat Detector A1R (57°C)

Photo incl. base

- The Orbis Heat Detector monitors the temperature by using a single thermistor which provides a voltage output proportional to the external air temperature.
- Can be used for applications where smoke detectors are unsuitable
- Ideal in environments that are dirty or smoky under normal conditions
- Red flashing LED at StartUp confirms that the device is operating. SensAlert, yellow flashing LED, indicates faulty operation
- FasTest takes just four seconds to test and confirm detectors are functioning correctly.

Technical specifications

Operating voltage	8,5 - 33 V DC
Quiescent current	95 µA
Alarm current	40 mA at 24V
Operating temperature	-40°C to +70°C*
Rel. Humidity	max. 98 %*
Housing	Polycarbonat
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	97 x 36 mm
Dimensions (Ø x H)	100 x 51 mm (with base)
Weight	70 g (130 g with base)

Certifications

VdS-No..	G 204033
EC-certificate	0832-CPD-0029

*No condensation or icing

B03546-00

25,90

Orbis Heat Detector A1S (57°C)

Photo incl. base

- The Orbis Heat Detector monitors the temperature by using a single thermistor which provides a voltage output proportional to the external air temperature.
- Can be used for applications where smoke detectors are unsuitable
- Ideal in environments that are dirty or smoky under normal conditions
- Red flashing LED at StartUp confirms that the device is operating. SensAlert, yellow flashing LED, indicates faulty operation
- FasTest takes just four seconds to test and confirm detectors are functioning correctly.

Technical specifications

Operating voltage	8,5 - 33 V DC
Quiescent current	95 µA
Alarm current	40 mA at 24V
Operating temperature	-40°C to +70°C*
Rel. Humidity	max. 98 %*
Housing	Polycarbonat
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	97 x 36 mm
Dimensions (Ø x H)	100 x 51 mm (with base)
Weight	70 g (130 g with base)

Certifications

EC-certificate	0832-CPD-0450
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*No condensation or icing

Order No.	Unit price	Description
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B03548-00

25,90

Orbis Heat Detector A2S (71°C)



Photo incl. base

- The Orbis Heat Detector monitors the temperature by using a single thermistor which provides a voltage output proportional to the external air temperature.
- Can be used for applications where smoke detectors are unsuitable
- Ideal in environments that are dirty or smoky under normal conditions
- Red flashing LED at StartUp confirms that the device is operating. SensAlert, yellow flashing LED, indicates faulty operation
- FasTest takes just four seconds to test and confirm detectors are functioning correctly.

Technical specifications	
Operating voltage	8,5 - 33 V DC
Quiescent current	95 µA
Alarm current	40 mA at 24V
Operating temperature	-40°C to +70°C*
Rel. Humidity	max. 98 %*
Housing	Polycarbonat
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	97 x 36 mm
Dimensions (Ø x H)	100 x 51 mm (with base)
Weight	70 g (130 g with base)
Certifications	
EC-certificate	0832-CPD-0030

*No condensation or icing

B03550-00

25,90

Orbis Heat Detector BR (73°C)



Photo incl. base

- The Orbis Heat Detector monitors the temperature by using a single thermistor which provides a voltage output proportional to the external air temperature.
- Can be used for applications where smoke detectors are unsuitable
- Ideal in environments that are dirty or smoky under normal conditions
- Red flashing LED at StartUp confirms that the device is operating. SensAlert, yellow flashing LED, indicates faulty operation
- FasTest takes just four seconds to test and confirm detectors are functioning correctly.

Technical specifications	
Operating voltage	8,5 - 33 V DC
Quiescent current	95 µA
Alarm current	40 mA at 24V
Operating temperature	-40°C to +70°C*
Rel. Humidity	max. 98 %*
Housing	Polycarbonat
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	97 x 36 mm
Dimensions (Ø x H)	100 x 51 mm (with base)
Weight	70 g (130 g with base)
Certifications	
EC-certificate	0832-CPD-0031

*No condensation or icing

Order No.	Unit price	Description
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B03552-00

25,90

Orbis Heat Detector BS (73°C)

Photo incl. base

- The Orbis Heat Detector monitors the temperature by using a single thermistor which provides a voltage output proportional to the external air temperature.
- Can be used for applications where smoke detectors are unsuitable
- Ideal in environments that are dirty or smoky under normal conditions
- Red flashing LED at StartUp confirms that the device is operating. SensAlert, yellow flashing LED, indicates faulty operation
- FasTest takes just four seconds to test and confirm detectors are functioning correctly.

Technical specifications

Operating voltage	8,5 - 33 V DC
Quiescent current	95 µA
Alarm current	40 mA at 24V
Operating temperature	-40°C to +70°C*
Rel. Humidity	max. 98 %*
Housing	Polycarbonat
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	97 x 36 mm
Dimensions (Ø x H)	100 x 51 mm (with base)
Weight	70 g (130 g with base)

Certifications

EC-certificate	0832-CPD-0032
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*No condensation or icing

B03554-00

25,90

Orbis Heat Detector CR (90°C)

Photo incl. base

- The Orbis Heat Detector monitors the temperature by using a single thermistor which provides a voltage output proportional to the external air temperature.
- Can be used for applications where smoke detectors are unsuitable
- Ideal in environments that are dirty or smoky under normal conditions
- Red flashing LED at StartUp confirms that the device is operating. SensAlert, yellow flashing LED, indicates faulty operation
- FasTest takes just four seconds to test and confirm detectors are functioning correctly.

Technical specifications

Operating voltage	8,5 - 33 V DC
Quiescent current	95 µA
Alarm current	40 mA at 24V
Operating temperature	-40°C to +70°C*
Rel. Humidity	max. 98 %*
Housing	Polycarbonat
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	97 x 36 mm
Dimensions (Ø x H)	100 x 51 mm with base
Weight	70 g (130 g with base)

Certifications

EC-certificate	0832-CPD-0033
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*No condensation or icing

Order No.	Unit price	Description
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B03556-00

25,90

Orbis Heat Detector CS (90°C)

Photo incl. base

- The Orbis Heat Detector monitors the temperature by using a single thermistor which provides a voltage output proportional to the external air temperature.
- Can be used for applications where smoke detectors are unsuitable
- Ideal in environments that are dirty or smoky under normal conditions
- Red flashing LED at StartUp confirms that the device is operating. SensAlert, yellow flashing LED, indicates faulty operation
- FasTest takes just four seconds to test and confirm detectors are functioning correctly.

Technical specifications

Operating voltage	8,5 - 33 V DC
Quiescent current	95 µA
Alarm current	40 mA at 24V
Operating temperature	-40°C to +70°C*
Rel. Humidity	max. 98 %*
Housing	Polycarbonat
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	97 x 36 mm
Dimensions (Ø x H)	100 x 51 mm (with base)
Weight	70 g (130 g with base)
Certifications	
EC-certificate	0832-CPD-0034

*No condensation or icing

Bases for automatic conventional Detectors, Type: Orbis

Order No.	Unit price	Description
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B03558-00

4,80

Orbis TimeSaver-Base



- The Timesaver Base is a design that provides installers with an open working area with fixing holes shaped to allow a fast mounting procedure.
- Grouped terminals to make wiring easy
- Two fixing centres
- LED alignment mark
- Cable stripping guide
- Detector locking mechanism
- Continuity link for voltage testing of zone wiring prior to commissioning

Technical specifications

Operating voltage	8,5 - 33 V DC
Operating temperature	-40°C to +70°C*
Rel. Humidity	max. 98 %*
Housing	Polycarbonat
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	100 x 15 mm (mounted)
Weight	60 g

Certifications

VdS-No..	G 204039
EC-certificate	0932-CPD-0035

*No condensation or icing

B03560-00

21,50

Orbis TimeSaver Relay Base



- The TimeSaver Relay Base incorporates a single-pole, voltage-free, changeover contact for switching external equipment. When the detector changes to the alarm state, the relay is energised, causing the contact to change state. The contact will remain in this condition until the detector is reset.
- Grouped terminals to make wiring easy
- Two fixing centres
- LED alignment mark
- Cable stripping guide
- Detector locking mechanism
- Continuity link for voltage testing of zone wiring prior to commissioning
- Capable of switching up to 30V at 1A

Technical specifications

Operating voltage	8,5 - 33 V DC
Operating temperature	-40°C to +70°C*
Rel. Humidity	max. 98 %*
Housing	Polycarbonat
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	100 x 15 mm (mounted)
Weight	60 g

Certifications

VdS-No..	G 204039
EC-certificate	0932-CPD-0035

*No condensation or icing

Order No.	Unit price	Description
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B04500-00

13,60

Base adapter S65 base » Orbis detector

- Enables use of existing S65 bases with orbis detectors.



Automatic conventional Detectors, Type: S65

Order No.	Unit price	Description
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B03570-00

28,00

S65 Optical Smoke Detector



Photo incl. base

- The Series 65 Optical Smoke Detector incorporates a pulsing LED located within the housing of the detector. The external detector moulding has an indicator LED which is clear in quiescent state but produces a red light in alarm.
- Responds well to slow-burning, smouldering fires
- Well suited for bedrooms and escape routes
- Unaffected by wind or atmospheric pressure
- Protection class: IP23D

Technical specifications	
Operating voltage	9 - 33 V DC
Quiescent current	50 µA
Alarm current	52 mA at 24V
Operating temperature	-20°C to +60°C*
Rel. Humidity	max. 95 %*
Housing	Polycarbonat
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	100 x 42 mm
Dimensions (Ø x H)	100 x 50 mm (with base)
Weight	99 g (150 g with base)
Certifications	
VdS-No..	G 200017
EC-certificate	0832-CPR-F1026

*No condensation or icing

B03576-00

23,70

S65 Heat Detector (A1R)



Photo incl. base

- Maximum temperature heat detector with additional rate-of-rise threshold.
- Static Alarm Threshold: 54–65°C
- Can be used for applications where smoke detectors are unsuitable
- Ideal for environments that are dirty or smoky under natural conditions
- Wide operating voltage
- Protection class: IP23D

Technical specifications	
Operating voltage	9 - 33 V DC
Quiescent current	45 µA
Alarm current	52 mA at 24V
Operating temperature	-20°C to +90°C*
Rel. Humidity	max. 95 %*
Housing	Polycarbonat
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	100 x 42 mm
Dimensions (Ø x H)	100 x 50 mm (with base)
Weight	80 g (131 g with base)
Certifications	
VdS-No..	G 200059
EC-certificate	0832-CPR-F1445

*No condensation or icing

Order No.	Unit price	Description
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B03578-00 **23,90**

S65 Heat Detector (BR)



Photo incl. base

- Maximum temperature heat detector with additional rate-of-rise threshold.
- Static Alarm Threshold: 69–85°C
- Can be used for applications where smoke detectors are unsuitable
- Ideal for environments that are dirty or smoky under natural conditions
- Wide operating voltage

Technical specifications	
Operating voltage	9 - 33 V DC
Quiescent current	45 µA
Alarm current	52 mA at 24V
Operating temperature	-20°C to +90°C*
Rel. Humidity	max. 95 %*
Housing	Polycarbonat
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	100 x 42 mm
Dimensions (Ø x H)	100 x 50 mm (with base)
Weight	80 g (131 g with base)
Certifications	
VdS-No..	G 200060
EC-certificate	0832-CPR-F1449

*No condensation or icing

B03580-00 **28,50**

S65 Heat Detector (CR)



Photo incl. base

- Maximum temperature heat detector with additional rate-of-rise threshold
- Static Alarm Threshold: 84–100°C
- Can be used for applications where smoke detectors are unsuitable
- Ideal for environments that are dirty or smoky under natural conditions
- Wide operating voltage

Technical specifications	
Operating voltage	9 - 33 V DC
Quiescent current	45 µA
Alarm current	52 mA at 24V
Operating temperature	-20°C to +90°C*
Rel. Humidity	max. 95 %*
Housing	Polycarbonat
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	100 x 42 mm
Dimensions (Ø x H)	100 x 50 mm (with base)
Weight	80 g (131 g with base)
Certifications	
VdS-No..	G 200061
EC-certificate	0832-CPR-F1712

*No condensation or icing

Order No.	Unit price	Description
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B03582-00

23,90

S65 Heat Detector (CS)

Photo incl. base

- Maximum temperature heat detector
- Static Alarm Threshold: 84–100°C
- Can be used for applications where smoke detectors are unsuitable
- Ideal for environments that are dirty or smoky under natural conditions
- Wide operating voltage

Technical specifications

Operating voltage	9 - 33 V DC
Quiescent current	45 µA
Alarm current	52 mA at 24V
Operating temperature	-20°C to +90°C*
Rel. Humidity	max. 95 %*
Housing	Polycarbonat
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	100 x 42 mm
Dimensions (Ø x H)	100 x 50 mm (with base)
Weight	80 g (131 g with base)
Certifications	
VdS-No..	G 200062
EC-certificate	0832-CPR-F1720

*No condensation or icing

Bases for automatic conventional Detectors, Type: S65

Order No.	Unit price	Description
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B03584-00

5,00

S65 Standard Base



- The Series 65 Standard Base has been designed to enable detectors to be fitted without the need of force - particularly useful when fitting to suspended ceilings. All Series 65 bases have a 'one way only' fit. Detectors can be locked into place by a grub screw using a 1.5mm hexagonal screwdriver.
- Detector locking mechanism
- One way fit
- Easy to wire
- Contains an earth connector
- Contains no electrical parts
- Terminal for remote indicator

Technical specifications	
Housing	Polycarbonat
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	100 x 8 mm (mounted)
Weight	51 g
Certifications	
VdS-No..	G 200017
EC-certificate	0832-CPD-0021

B03586-00

23,20

S65 Relay Base



- The Series 65 Standard Relay Base provides one set of volt-free changeover (form C) contacts that change state when the detector signals an alarm.
- Detector locking mechanism
- One way fit
- Easy to wire
- Contains an earth connector

Technical specifications	
Housing	Polycarbonat
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	100 x 16 mm (mounted)
Weight	75 g
Certifications	
VdS-No..	G 200017
EC-certificate	0832-CPD-0846

B04500-00

13,60

Base adapter S65 base

- Enables use of existing S65 bases with orbis detectors.

Manual Call Points "type A" (single action)

Order No.	Unit price	Description
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B03598-00

22,40

Manual Call Point, red ABS, type "A", single action, conventional



- Apollo's Conventional Manual Call Points comply with EN54-11 and are available in both indoor and outdoor variants. Apollo also offers a yellow variant suitable for alternative applications.
- ‚Plug and play‘ terminal connections for fast wiring
- Resettable element

Technical specifications

Operating voltage	max. 30V DC
Alarm resistor	470 Ohm
Humidity	0-93% (+/- 3%)*
Operating temperature	-10°C to +55 °C
IP rating	IP 24D
Dimensions	93 x 89 x 60 mm
Colour	red
Weight	180 g

*No condensation or icing

B03599-00

153,20

Manual Call Point, red ABS, type "A", single action, conventional, IP67



- Apollo's Conventional Manual Call Points comply with EN54-11 and are available in both indoor and outdoor variants. Apollo also offers a yellow variant suitable for alternative applications.
- ‚Plug and play‘ terminal connections for fast wiring
- Resettable element

Technical specifications

Operating voltage	max. 30V DC
Alarm resistor	470 Ohm
Humidity	0-93% (+/- 3%)*
Operating temperature	-25°C to +70 °C
IP rating	IP 67
Dimensions	93 x 98 x 71 mm
Colour	red
Weight	350 g






*No condensation or icing

4 **Detector Testing Equipment and Accessories**

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Testing Equipment for point detectors

Order No.	Unit price	Description
B04010-00	1.780,00	<p>Professional Kit "Solo811" for smoke detector testing up to 6 m reach heights</p> <ul style="list-style-type: none"> incl. smoke detector tester Solo 330 incl. telescopic pole 1,26 to 4,5 m incl. universal Removal Tool Solo 200 for nearly all detector types of the market incl. carrying and protecting bag Solo 610 material of telescopic pole : isolating and robust red fibreglass material of the bag : robust black nylon
B04015-00	3.820,00	<p>Testifire Kit 6001-101 (battery powered), up to 6 m reach height</p> <ul style="list-style-type: none"> Smoke and Heat stimuli are created in a single test unit - without using pressurised cans of gas or other hazardous goods incl. charger and 2 batteries incl. telescopic pole 1,26 to 4,5 m incl. universal Removal Tool Solo 200 for nearly all detector types of the market incl. carrying and protecting bag Solo 610 material of telescopic pole : isolating and robust red fibreglass
B04017-00	4.290,00	<p>Testifire Kit 9001-101 (battery powered), up to 9 m reach height</p> <ul style="list-style-type: none"> Smoke and Heat stimuli are created in a single test unit - without using pressurised cans of gas or other hazardous goods incl. charger and 2 batteries incl. telescopic pole 1,26 to 4,5 m incl. 3 x telescopic pole 1,13m incl. universal Removal Tool Solo 200 for nearly all detector types of the market incl. carrying and protecting bag Solo 610 material of telescopic pole : isolating and robust red fibreglass
B04025-00	3.140	<p>Super Kit "Solo 822" for smoke and heat detector testing (battery powered) up to 6 m reach height</p> <ul style="list-style-type: none"> incl. smoke detector tester Solo 330 incl. heat detector tester Solo 461 (battery powered) incl. charger and 2 batteries incl. telescopic pole 1,26 to 4,5 m incl. universal Removal Tool Solo 200 for nearly all detector types of the market incl. carrying and protecting bag Solo 610 material of telescopic pole : isolating and robust red fibreglass

Order No.	Unit price	Description
B04027-00	3.600,00	<p>Super Kit "Solo 823" for smoke and heat detector testing (battery powered) up to 9,3 m reach height</p>  <ul style="list-style-type: none"> ▪ incl. smoke detector tester Solo 330 ▪ incl. heat detector tester Solo 461 (battery powered) ▪ incl. charger and 1 battery ▪ incl. telescopic pole 1,26 to 4,5 m ▪ incl. 3 pcs. extension pole B04045-00 ▪ incl. universal Removal Tool Solo 200 for nearly all detector types of the market ▪ incl. carrying and protecting bag Solo 610 ▪ material of telescopic pole : isolating and robust red fibreglass
B04040-00	768,00	<p>Telescopic pole "Solo100", 1,26 to 4,5 m</p>  <ul style="list-style-type: none"> ▪ Suitable as core element for all smoke and heat detector tester (interchangeable) ▪ Reach height up to 6 m ▪ Consisting of 4 telescopic elements ▪ Material : isolating and robust red fibreglass ▪ "Totalock" system ensures fast und safe locking of the 4 elements and never twist ▪ Subjected to rigorous conductivity testing to ensure the integrity of the insulating materials
B04043-00	349,00	<p>Telescopic pole "Solo108", 1,27 to 2,5 m</p>  <ul style="list-style-type: none"> ▪ Suitable as core element for all smoke and heat detector tester (interchangeable) ▪ Reach height up to 4,20 m ▪ Material : isolating and robust red fibreglass ▪ "Totalock" system ensures fast und safe locking of the 4 elements and never twist ▪ Subjected to rigorous conductivity testing to ensure the integrity of the insulating materials
B04045-00	172,00	<p>Extension pole "Solo101", 1,13 m</p>  <ul style="list-style-type: none"> ▪ Suitable as core element for all smoke and heat detector tester (interchangeable) ▪ Reach height up to 2,8 m ▪ Possible to use as extension pole for "Solo100" (max. 3 pcs.) ▪ Material : isolating and robust red fibreglass
B04050-00	420,00	<p>Universal Removal Tool "Solo 200"</p>  <ul style="list-style-type: none"> ▪ Universal Removal Tool for nearly all detector types of the market ▪ To be positioned on the top of the poles ▪ Colour coded grips twist into place to create different size combinations ▪ Universal joint that ensuring that the tool remains parallel with the ceiling while in use, even on detectors that cannot be accessed directly

Order No.	Unit price	Description
B04055-00	2.380,00	<p>Testifire 1001-101 Multi-Stimulus Smoke/Heat head unit incl. 2 batteries + charger</p>  <ul style="list-style-type: none"> Smoke and Heat stimuli are created in a single test unit - without using pressurised cans of gas or other hazardous goods Stimuli (Smoke, Heat) are generated at the time of test using safe and patented processes fuelled by replaceable capsules Fits 100% to Solo telescopic poles Incl. Testifire 1000-001 Head Unit, one capsule, 2 rechargeable batteries and battery charger <p>Attention: past warranty of 2 years the manufacturer does not replace or repair any more Testifire devices</p>
B04056-00	1.850,00	<p>Testifire 1000-001 Multi-Stimulus - Smoke / Heat head unit</p>  <ul style="list-style-type: none"> Smoke and Heat stimuli are created in a single test unit - without using pressurised cans of gas or other hazardous goods Stimuli (Smoke, Heat) are generated at the time of test using safe and patented processes fuelled by replaceable capsules Fits 100% to Solo telescopic poles <p>Attention: past warranty of 2 years the manufacturer does not replace or repair any more Testifire devices</p>
B04057-00	2.380,00	<p>Testifire 2000-001, Multi-Stimulus - Smoke / Heat / CO head unit</p>  <ul style="list-style-type: none"> Testing of optical / thermal sensors (heat max, heat diff or combination) and also CO detectors with only one device Will be snapped on top of the the telescopic bar or the extension rod and snaps in automatically Includes combined head unit to test smoke / heat / CO detectors <p>Attention: past warranty of 2 years the manufacturer does not replace or repair any more Testifire devices</p>
B04058-00	2.890,00	<p>Testifire 2001-101, Multi-Stimulus Smoke/Heat/CO head unit incl. batteries + charger</p>  <ul style="list-style-type: none"> Allows testing of optical / heat sensors (heat-max, heat-diff. or combination) and CO detectors with the same device Simple attach onto the telescopic pole or the extension pole and it locks automatically Includes combined smoke / heat / CO-probe, a smoke capsule, a CO test capsule as well as 2 rechargeable batteries, incl. battery charger <p>Attention: past warranty of 2 years the manufacturer does not replace or repair any more Testifire devices</p>
B04059-00	228,00	<p>Infrared remote control fpr all Testifire testing devices</p> <ul style="list-style-type: none"> To start test procedure

Order No.	Unit price	Description
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B04060-00

354,00

Smoke Detector Tester "Solo 330"



- For functional testing of nearly all smoke detector types of the market
- To be positioned on the top of the poles
- Dispenser conserves aerosol
- Accurate dispersion of aerosol particles
- Touch sensitive transparent cap

B04062-00

29,90

A5 - Aerosol for smoke detector testing



- Can with 250 ml
- Non-flammable formulation
- Fast activation and clearing times
- For head unit "Solo 330"

B04063-00

90,60

Smoke Capsule for Testifire, spare part

B04064-00

38,80

Aerosol for CO detector testing



- Can with 250 ml
- Non-flammable formulation
- Fast activation and clearing times
- For head unit "Solo 330"

B04067-00

118,00

CO Capsule for Testifire, spare part

B04069-00

34,50

A10 - Aerosol for smoke detector testing



- Can with 150 ml
- Non-flammable formulation
- Fast activation and clearing times
- For head unit "Solo 330"

Order No.	Unit price	Description
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B04061-00

1.340,00

Smoke Detector Tester Solo365

- Test device for almost all smoke detectors on the market
- Latest technology without aerosol (test gas)
- More efficient than testing with test gas
- Auto-start function with proximity reader
- Will be snapped on top of the the telescopic bar or the extension rod and snaps in automatically
- Internal rechargeable battery (charging via USB)
- Incl. 1x smoke capsule B04061-20

B04061-20

46,80

Smoke Capsule for smoke detector tester Solo365, spare part

- Replacement capsule

B04061-30

198,00

Solo372 = RAS-Adapter für Solo 365





- Solo372 RAS Adapter
- zum Prüfen von RAS-Systemen
- umschließt die Ansaugöffnung und bringt Prüfgas in das Rohrsystem
- Nur in Verbindung mit Prüfkopf Solo365

B04084-65





198,00

Replacement battery Solo370 for smoke detector test head Solo365





- 1 Battery

Order No.	Unit price	Description
B04080-00	1.380,00	<p>Heat Detector Tester Kit "Solo 461" (battery powered) incl. batteries and charger</p>  <ul style="list-style-type: none"> ▪ For functional testing of nearly all heat detector types of the market ▪ Incl. new tester "Solo460" with integrated sensor to activate the testing automatically ▪ Incl. 2 batteries B04084-00 and charger B04086-00 ▪ To be positioned on the top of the poles ▪ Max. testing temperature 90°C
B04082-00	870,00	<p>Heat Detector test head unit "Solo 460" (battery powered)</p>  <ul style="list-style-type: none"> ▪ For functional testing of nearly all heat detector types of the market ▪ Integrated sensor to activate the testing automatically ▪ To be positioned on the top of the poles ▪ Max. testing temperature 90°C
B04084-00	224,50	<p>Replacement battery SOLO 770-001 for Solo 460, Testifire and Scorpion Control Unit</p> 
B04086-00	248,00	<p>Fast Recovery Charger Solo 727 for battery B04084-00</p>
B04090-00	262,00	<p>Protective, carrying bag "Solo610", robust black nylon</p>  <ul style="list-style-type: none"> ▪ Two parts, one for the tester, removal tool and for the aerosols and one for the telescopic poles

Testing Equipment for Aspirating Smoke Detectors

Order No.	Unit price	Description
B04130-00	482,00	<p>Scorpion head unit 2001, remote smoke detector test system for aspirating smoke detectors (ASD)</p>  <ul style="list-style-type: none"> ▪ Unique test system for ASD ▪ To install at end of ASD pipe ▪ Uses harmless and consistent aerosol for testing which will be applied controlled ▪ More than 240 testing procedures per each device (life-time testing w/o the need to replace the aerosol) ▪ Maintenance-free and thus cost-effective
B04133-00	482,00	<p>Scorpion heat unit 1001, for automatic remote testing of point smoke detectors</p>  <ul style="list-style-type: none"> ▪ Unique automatic test system for point smoke detectors ▪ Ideal of testing smoke detectors if access for testing or maintenance purposes is difficult or costly ▪ For direct mounting at detector head ▪ Discharge harmless, consistent aerosol, which will be fed controlled ▪ Maintenance-free and cost-effective
B04140-00	890,00	<p>Scorpion control-unit to control up to 8 Scorpion head-units (B04130-00 = 2001 and B04133-00 = 1001)</p>  <ul style="list-style-type: none"> ▪ To control all connected head-units ▪ Max. of 8 head-units per each control unit ▪ Max. of 100m distance between Scorpion control- and head-unit ▪ <u>Battery B04084-00 and battery cable B04145-00 are required</u>
B04145-00	84,00	<p>Battery cable for Scorpion control-unit B04140-00</p>  <ul style="list-style-type: none"> ▪ to be used with battery B04084-00

Accessories for Testing Equipment

Order No.	Unit price	Description
B04068-00	23,50	Aerosol for smoke detector testing <ul style="list-style-type: none"> ▪ Can with 250 ml ▪ Non-flammable formulation ▪ Fast activation and clearing times ▪ For head unit "Solo 330"
		
B05112-00	61,90	Smoke Cartridges AX-60, white <ul style="list-style-type: none"> ▪ Generates white smoke for testing of aspirating smoke systems ▪ 5 cartridges in one box ▪ smoke volume per cartridge : 55m³ ▪ Burning time: 180-240 sec.
		
B05113-00	66,20	Smoke Pen with 6 wicks <ul style="list-style-type: none"> ▪ For testing of aspirating smoke systems ▪ Content: 1Pen, 6 wicks ▪ Smoke Colour: white ▪ Weight: 34g/pen ▪ Size: 150 x Ø 13 mm ▪ Burning time: 30 min/wick.
		
B05113-01	54,50	Smoke Pen Refill <ul style="list-style-type: none"> ▪ Spare part for Smoke Pen B05113-00 ▪ Content : 6 refills
		

Remote Indicators

Order No.	Unit price	Description
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B04101-00

57,00

Addressable remote indicator, VdS approved according to CEA084 standard, round attractive looking housing



- 360° view on the transparent lens cover
- 9 pcs. red high-efficiency LEDs integrated
- Low current (supplied by loop)
- Activation individually programmable by the "Solution F1/F2" software
- Use in any ESP mounting base (please order ESP base separately, see chapter 2)

Technical specifications

Operating voltage	17 – 41V DC
Quiescent current	280 µA
Alarm current	5 mA
Operating temperature	-10°C to +50°C
Humidity	max. 95% (40°C)
IP rating	IP 43
Dimensions	100 x 46 mm (DxH)
Certifications	
VdS-No.	G 206053

B04105-00

19,50

Conventional remote indicator "Prism", attractive looking white housing with red lens



- Red lens cover, shape of a prism
- 2 integrated, bright LEDs
- Low current
- When using "Solution F1/F2" panels the indicators are individual programmable
- **Pay attention : not to be used with base sounder B07151-00 and base sounder / beacon B07154-00**

Technical specifications

Operating voltage	5 – 30 VDC
Alarm current	10 mA
Dimensions (WxLxH)	85 x 85 x 35

Order No.	Unit price	Description
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B04111-00

35,00

Conventional remote indicator "Prism", attractive looking white housing with red lens, VdS approved



- VdS-approved
- in a white, surface-mounted housing
- a prism directs the light outside
- low power consumption
- for direct connection to detector base
- can be released by up to 3 different detectors

(Attention: cannot be used with base B07151-00 and B07154-00)

Technical specifications	
Operating voltage	7 - 35V DC
Current consumption Alarm	4 mA
Dimensions (DxWxH)	85 x 85 x 40 mm
Certifications	
VdS-No.	G 208160
CE	0786-CPD-21064

B04115-00

22,00

Conventional remote indicator, flush mounting



- Especially for mounting in floors or ceilings
- Transparent lens cover in round housing
- Integrated, bright red LED
- Low current
- To be connected to an individual detector

Technical specifications	
Operating voltage	only through remote alarm output of detector
Quiescent current	0 µA
Current consumption Alarm	4 mA
Dimensions (DxWxH)	22 x 60 mm

Order No.	Unit price	Description
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B04200-00

33,70

Mounting console for detectors in cable floors or ceilings



- adjustable in height and gradient
- Adjustable height from 260 - 490 mm
- Adjustable gradient of the head 0 - 115 °
- Head can be fixed by a screw
- For a lot of application, universal use
- Robust steel, galvanized

B04205-00

14,80

Adjustable console for slanting roofs



- Metal version, adjustable gradient
- The detector can always be mounted horizontal
- Adjustable gradient 0 - 180°, plate with the detector can be fixed by a screw
- Robust steel, galvanized

B04210-00

14,80

Distance console



- 80 mm distance to the roof
- Ensures in big heights a minimum distance of 100 mm between detector head and roof
- Robust steel, galvanized

B04215-00

22,80

Ball stopper for detectors and beacons/sounders



- protection for detectors / sounders / flashes against balls or vandalism
- For nearly all detectors / sounders / flashes on the market
- Metal version, white coated
- Protected device cannot be stolen

Technical specifications	
Dimensions (DxH)	118 x 150 mm

Order No.	Unit price	Description
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B04220-00 **30,70**

Protection hood for manual call point (EN54-11, type B)



- For almost all manual call points on the market
- Protection against inadvertent activation or vandalism etc.
- Metal, white

Technical specifications

Colour	white RAL 9010
Dimensions (WxHxD)	ca. 150 x 150 x 45 mm

B04300-00 **8,90**

Universal wet base, suitable for nearly all detector mounting bases of the market



- Robust ABS version, white
- Waterproof and against dust
- Optional cable glands B04301-00 can be fitted from the side

B04301-00 **73,60**

Cable glands for wet base B04300-00



- Bag with 100 pcs.

B04315-00 **4,80**

Base mounting adapter



- Suitable for B0275x-00 and B02950-00 addressable mounting bases
- The adapter ensures a distance of 16 mm between detector and ceiling
- Cable inlet from the side for surface mounted cables

Technical specifications

Dimensions (Ø x H)	100 x 16 mm
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Order No.	Unit price	Description
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B04320-00

32,00

Mounting clip for detector label

- To stick on the detector mounting base
- Suitable for conventional CDX and analogue addressable mounting bases
- Pack of 25 pcs.

B04330-00

23,80

Detector Heating 2,7W, for mounting base

- Additional base incl. heating resistor
- Compatible to nearly all detector bases
- Separate power supply 24-27 VDC required
- Terminal for 2 wire cabling
- Delivery incl. Wet base

Technical specifications

Operating voltage	24 - 27 V DC
Current consumption	100 mA
Colour	white RAL 9010
Weight	200 g
Dimensions	145 x 110 x 40 mm

B04507-00

22,00

Ceiling Tile Mounting Box for Detector Bases

- The Ceiling Tile Mounting Box has been designed to make the installation of detectors and sounders quick and easy prior to the fitting of a false ceiling. Detector and sounder bases can be fitted, wired and, if necessary, tested and commissioned before the installation of a false ceiling.
- No need for separate backbox
- Can be used with tiles up to 25mm thick
- Quick and easy installation

Technical specifications

Max. ceiling thickness	25 mm
Diameter opening	127 mm
Diameter cover ring	151 mm
Weight	ca. 152 g

B04507-01

20,80

Ceiling Tile Mounting Box for Sounder or Beacon Bases

- The Ceiling Tile Mounting Box has been designed to make the installation of detectors and sounders quick and easy prior to the fitting of a false ceiling. Detector and sounder bases can be fitted, wired and, if necessary, tested and commissioned before the installation of a false ceiling.
- No need for separate backbox
- Can be used with tiles up to 25mm thick
- Quick and easy installation

Technical specifications

Max. ceiling thickness	25 mm
Diameter opening	127 mm
Diameter cover ring	151 mm
Weight	ca. 144 g

Order No.	Unit price	Description
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B04504-00

4,30

Conduit Box for XP95 / Discovery Detector-Base



- The Conduit Box is a versatile accessory for surface mounting Apollo bases. The box has knockouts to accept PG16 or M20 cable glands, conduit or mini trunking. Self-tapping screws are included to fit the detector base to the conduit box.
- Easy to install
- Aesthetically pleasing
- Colour matched to detector and base

Technical specifications	
Dimensions (Ø x H)	100 x 30 mm

B04524-00

3,20

Backplate (Soteria, Discovery, XP95, Orbis, S65)



- The Backplate provides a high degree of protection against the ingress of water or dust into the back of the detector mounted directly onto a mounting box.
- Protects against dust and dirt ingress
- Improved performance
- Fits Discovery, XP95, Orbis, Series 65 and AlarmSense bases
- External diameter: 112mm

B04530-00

1.360,00

Apollo Test Set



The Apollo Test Set is a portable test unit featuring a touch screen display capable of providing several functions in interrogating and controlling all devices connected to the unit, either individual devices or complete circuits of analogue addressable devices in the Apollo ranges. The device offers fault finding capabilities which allows for time spent on site to be cut down during the commissioning stage of the system installation.

- Loop connection ports for individual addressing or fault finding
- Enables loop integrity and diagnostics testing during commissioning and maintenance
- View device information and control functionality modes
- Internal battery for portability. Can be charged with supplied mains charger.
- Works with XP95, Discovery and CoreProtocol ranges.

Order No.	Unit price	Description
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B04531-00

1,20

XPERT8-Card blank, 1 piece

- Fits only SOTERIA base B02950-00



B04530-00

13,30

XPERT7-Cards blank, bag with 10 pcs.



B04530-01

86,00

XPERT7-Cards blank, bag with 100 pcs.



B04530-02

164,00

XPERT7-Cards, bag with 126 pcs.

- pre-addressed from 1-126 -



5 Special Application Detectors

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Aspirating Smoke Detectors „Stratos - ModuLaser“

Order No.	Unit price	Description
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B05035-00

1.350,00

STRATOS Modulaser detector module, based on laser technology



- Intelligent smoke detector to set up a highly sensitive aspirating smoke detection system for early fire detection.
- The adjustable sensitivity scale ranges from „hypersensitive“ to „low sensitivity“
- Sensitivity range particles (0.0003 - 10 microns)
- This product uses a modern artificial intelligence system known as ClassiFire-3D® to automatically adjust the sensitivity
- Networking up to 4/8/127 Stratos components
- external power supply 24 VDC

Technical specifications

Data-Bus RS485	Length max. 1.200 m
Current consumption	260mA rotational speed 1; 940mA rotational speed 16 (at 24V DC)
pipe (max. 3 T-Pieces)	1, 100m - 250m
drillings	50 Class C, 40 Class B, 20 Class A
Alarm relay/threshold	4 (Info, pre alarm, Fire 1, Fire 2)
Data memory	20000 each module
Measurement memory	1 Month to 5 years / module
Programmable via	USB Type B
Operating temperature	-10°C ro +60°C
Humidity	0 – 95% not condensing
Housing	light-grey, IP 40
Dimensions HxBxT	300 x 110,5 x 133,5 mm
Weight	1,57kg

Certifications

VdS-No.	G 219077
EC-Certificate	0832-CPR-F2416 (EN54-20)

B05036-00

1.486,00

STRATOS Modulaser Minimum Display Module



- The minimum display module can manage a group of 4 detector modules side by side.
- Networking of up to 8 Stratos components, detector modules decentralised and connected via RS485 bus (1.2km)
- The minimum display module has USB connections type A and B
- Slot for Interface Card (APIC)
- external power supply 24 VDC

Technical specifications

Data-Bus RS485	Length max. 1.200 m
Current consumption	204mA (24V DC)
Alarm relay/threshold	4 (Info, pre alarm, Fire 1, Fire 2)
Data memory	20000 each module
Measurement memory	1 Month to 5 years / module
Programmable via	USB Type B
Operating temperature	-10°C to +60°C
Humidity	0 – 95% not condensing
Housing	light-grey, IP 40
Dimensions HxBxT	300 x 110,5 x 133,5 mm
Weight	1,18kg

Certifications

VdS-No.	G 219077
EC-Certificate	0832-CPR-F2416 (EN54-20)

Order No.	Unit price	Description
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B05037-00

1.678,00

STRATOS Modulaser Display Module

- The minimum display module can manage a group of 4 detector modules side by side.
- Networking of up to 8 Stratos components, detector modules decentralised and connected via RS485 bus (1.2km)
- The minimum display module has USB connections type A and B
- The display module has controls
- Slot for Interface Card (APIC)
- external power supply 24 VDC

Technical specifications

Data-Bus RS485	Length max. 1.200 m
Current consumption	232mA (24V DC)
Alarm relay/threshold	4 (Info, pre alarm, Fire 1, Fire 2)
Data memory	20000 each module
Measurement memory	1 Month to 5 years / module
Programmable via	USB Type B
Operating temperature	-10°C to +60°C
Humidity	0 – 95% not condensing
Housing	light-grey, IP 40
Dimensions HxBxT	300 x 110,5 x 133,5 mm
Weight	1,18kg

Certifications

VdS-No.	G 219077
EC-Certificate	0832-CPR-F2416 (EN54-20)

B05038-00

2.848,00

STRATOS Modulaser Command Display Module

- The Command Display Module can manage up to 127 participants in a SenseNET network.
- The Command Display Module has Type A + B USB ports
- The Command Display Module has controls
- Slot for Interface Card (APIC)
- external power supply 24 VDC

Technical specifications

Power supply	24V DC
Current consumption	232mA
Alarm-relay/threshold	4 (Info, pre alarm, Fire 1, Fire 2)
Data memory	20000 each module
Measurement memory	1 Month to 5 years / module
Programmable via	USB Type B
Operating temperature	-10°C to +60°C
Humidity	0 – 95% not condensing
Housing	light-grey, IP 40
Dimensions HxBxT	300 x 110,5 x 133,5 mm
Weight	1,18kg

Certifications

VdS-No.	G 219077
EC-Certificate	0832-CPR-F2416 (EN54-20)

Aspirating Smoke Detectors „Stratos“

Order No.	Unit price	Description
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B05025-00

1.378,00

STRATOS „Micra 10“ Aspirating Smoke Detector, laser based detection system, incl. surface mounted enclosure**ATTENTION !**

Adaptor B05140-25
necessary for 3/4" pipe

- Laser based aspirating smoke detector with wide response sensibility
- Classifire Perceptive Artificial Intelligence ensures that the detector operates at optimum sensitivity for the protected environment without the need for complex setups. The product will configure itself to provide high sensitivity in a small computer room or reduced sensitivity in a smoke area.
- Patented software "LDD 3D" prevents false alarms caused by dust or dirt
- Relay contacts 1x alarm, 1x fault
- Optional relay card available for more output relays

Technical specifications

Operating voltage	21,6 – 26,4 V DC
Current consumption	250 mA
Sensitivity	0,03% – 25% obs/m
Sensitivity resolution	max. 0,0015% obs/m
Max. pipe length	1 x 50m
Pipe diameter	3/4" BS
Amount of drillings	10 (C), 4 (B), 2 (A)
IP rating	IP50
Operating temperature	-10°C to +60°C
Humidity	0 – 90% not condensing
Dimensions (WxHxD)	140 x 220 x 85 mm
Weight	1,7 kg

Certifications

VdS-No.	applied
EC-Certificate	0370-CPR-2301

B05050-00

3.580,00

STRATOS HSSD2 Laser detector, steel enclosure, 4 pipes, 1 zone**ATTENTION !**

Adaptor B05140-25
necessary for 3/4" pipe

- Intelligent Aspirating Smoke Detector for high sensitive smoke detection
- Unique Laser based detection system
- Controlled by software algorithms to achieve the highest signal to dust ratio in the market
- Laser Dust Discrimination technology
- Network with up to 127 nodes possible
- External PSU 24VDC needed

Technical specifications

Operating voltage	21,6 - 26,4 V DC
Current consumption	280 -750 mA
Sensitivity	0,03% – 25% obs/m
Sensitivity resolution	0,0015% obs/m
Data-Bus RS485	Length max. 1.200 m
Inflow pipes max.	4 pcs
Max. pipe length total	200m (max. L. 100m one pipe)
Pipe diameter	3/4" BS
Amount of drillings	100(C), 60 (B), 20 (A)
Operating temperature	-10°C to +60°C
Humidity	0 – 90% not condensing
Housing, IP rating	Steel grey, IP50
Dimensions (WxHxD)	427 x 372 x 95 mm
Weight	5,2 kg

Certifications

VdS-No.	G 203024
EC-Certificate	0832-CPD-1076

Order No.	Unit price	Description
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B05065-00 **3.298,00** **STRATOS HSSD2 Laser detector w/o LC module, steel enclosure, 4 pipes, 1 zone**



- As part no. B05050-00 but cost effective steel housing w/o LC module on front panel
- External PSU 24VDC needed

Certifications	
VdS-No.	G 203024
EC-Certificate	0832-CPD-1078

ATTENTION !

Adaptor B05140-25
necessary for ¾" pipe

B05060-00 **3.024,00** **STRATOS HSSD2 Control Unit, steel enclosure**



- Control Unit for the Stratos RS485 network
- all Stratos components in the network can be indicated and operated
- Controlled by software algorithms to achieve the highest network performance
- Network with up to 127 nodes possible
- External PSU 24VDC needed

Technical specifications	
Operating voltage	21.6 – 26.4 V DC
Current consumption	250 mA
Data-Bus RS485	Length max. 1.200 m
max. amount of detectors	127
Relay	2 x Alarm, 1 x Pre alarm, 1 x Fault
Interfaces RS232	1x internal / 1x external
Interfaces RS485	2x
Interfaces APIC	2x addressable (loop in + out)
Operating temperature	-10°C to +60°C
Humidity	0 – 95% not condensing
Housing, IP rating	steel light-grey, IP50
Dimensions (WxHxD)	427 x 372 x 95 mm
Weight	5,2 kg
Certifications	
VdS-No.	G 203024
EC-Certificate	0832-CPD-1077

Order No.	Unit price	Description
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B05070-00

1.860,00

STRATOS Micra 25, Laser Aspirating Detector, incl. mounting base

- Sub miniature very high sensitive aspirating detector with sensitive scale from 'hypersensitive' to 'low sensitive'
- This product employs an updated Artificial Intelligence known as ClassiFire-3D to allow it to automatically adjust sensitivity with no external input.
- The system also incorporates Laser Dust Discrimination (LDD™), making this product suitable for a wide range of environments, including most dusty or dirty areas.
- This detector contains; OK, Fault, Fire indicator lamps and provision for interconnection to fire alarm system via relay screw contacts or via separate dedicated APIC™ devices for NSC Fire Alarm Panels

Technical specifications

Operating voltage	21,6 – 26,4 V DC
Current consumption	250 mA
Sensitivity	0,03% – 25% obs/m
Sensitivity resolution	0,0015% obs/m
Inflow pipes max.	1 Pcs
Max pipe Length	50m
Pipe diameter	¾" BS
Amount of drillings	10(A), 10(B), 10(C)
IP rating	IP50
Operating temperature	-10°C to +60°C
Humidity	0 – 90% not condensing
Dimensions (WxHxD)	140 x 220 x 85 mm
Weight	1,7 kg

Certifications

VdS-No.	G 207078
EC-Certificate	0832-CPR-F1183

ATTENTION !

Adaptor B05140-25 necessary for ¾" pipe

5

B05080-00

2.500,00

STRATOS Micra 100, Laser Aspirating Detector, incl. mounting base

- Enhanced version of the Micra25 detector
- Two sampling pipes inlets
- Allowed pipe length : 2 x 50m

Technical specifications

Current consumption	400 mA
Inflow pipes max.	2 Pcs
Max pipe length	2 x 50m
Max pipe length	50m
Amount of drillings	20(A), 20(B), 20(C)
Dimensions (WxHxD)	300 x 220 x 85 mm
Weight	3,8 kg

Certifications

VdS-No.	G 209217
EC-Certificate	0832-CPR-F1184

ATTENTION !

Adaptor B05140-25 necessary for ¾" pipe

Technical data like B05070-00

Stratos accessories

Order No.	Unit price	Description
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B05100-00

474,00

SenseNET Remote Display Unit for 19" card frame mounting



- The SenseNet Remote Display Unit is a device of the RS485 network and illustrates the conditions of the Stratos alarm units on the integrated display.
- **Use only with B05103-00 !**

Technical specifications

Current consumption	40 mA
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B05103-00

208,00

Enclosure for keeping 1 SenseNet remote display, surface mounted housing



B05101-00

294,00

Hochiki-ESP Interface Card



- Use in Stratos HSSD 2, Stratos Micra 25 and Micra 100 - Stratos detectors will become an addressable device of the ESP loop
- Stratos detectors will be identifies as optical smoke detector
- Supplies 3 analogue values to the FCP : quiescent condition = 0,0%/m, pre-alarm = 2,7%/m and alarm = 4,5%/m
- Incl. Reset function

Technical specifications

Operating voltage	17 – 31V DC
Current consumption	90 µA max
Operating temperature	-10°C to +50°C
Humidity	rel. max. 95%
Dimensions (WxHxD)	100 x 75 x 25mm

B05101-01

294,00

Apollo XP95 interface card



- Use in Stratos HSSD 2, Stratos Micra 25 and Micra 100 - Stratos detectors will come an addressable device of the XP95 loop
- Stratos detectors will be identifies as optical smoke detector XP95
- Supplies 3 analogue values to the FCP : quiescent condition = 0,0%/m, pre-alarm = 2,7%/m and alarm = 4,5%/m
- Incl. Reset functionality

Technical data like B05101-00

Order No.	Unit price	Description
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B05104-00 210,00 Relay Card for Micra 10/25/100 with 5 relays



- For use in Stratos Micra detectors to transmit alarm and fault signals
- Four dry relay contacts, one dry fault contact
- 3 remote control inputs for reset, disabling and day/night mode

Technical specifications	
Relays	230 V AC / 1 A

5

B05110-01 58,00 Dust trap



- Spare part for Stratos HSSD2

B05110-02 44,00 Dust trap



- Spare part for Stratos Micra 10, Micra 25 and Micra 100

B05120-00 1.568,00 Stratos Air Heater Box



- To be used for pipe system below -10°Celsius
- To be installed in pipe system so that the air gets heated before entering the detector
- Operating voltage 230V AC

Order No.	Unit price	Description
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B05203-00

1.698,00

Aspirating Smoke Detector "ILS 1", Laser detector, 1 pipe with length max 100m



- Professional Aspirating Smoke Detector with Laser Detector inside
- The system allows sensitivity from 0,06% to 6% obscuration / m
- The pipe run can have up to 100 m
- Adjustable alarm thresholds
- 3 relays incorporated indicating pre alarm, alarm and fault condition
- The system provides air flow monitoring of the pipe
- Delivery incl. dust trap

Technical specifications

Operating voltage	18-30 V DC
Quiescent current	300 mA
Sensitivity	0,06% - 6 % per m
IP rating	IP 65
Operating temperature	-10°C to +50°C
Humidity	10 - 95 %
Pipe Installation	PVC-pipes
Pipe length	max. 100 m
Max. holes	18 (EN54-20, Class C)
Dimensions	259 x 184 x 166 mm

Certifications

VdS-No.	G 206066
CE certificate	CE 0786-CPD-20674

B05204-00

2.390,00

Aspirating Smoke Detector "ILS 2", Laser detector, 2 pipes with length max. 100m each



- Professional Aspirating Smoke Detector with Laser Detector inside
- The system allows sensitivity from 0,06% to 6% obscuration / m
- The pipe run can have up to 100 m
- Adjustable alarm thresholds
- 3 relays incorporated indicating pre alarm, alarm and fault condition
- The system provides air flow monitoring of the pipe
- Delivery incl. dust trap

Technical specifications wie ILS1 - außer Rohrlänge - max. 100 m je Rohr
 Technical Data as ILS 1, except 2 pipes, each 100 m length.

B05222-00

80,00

Coarse filter set with replacement filters for aspirating smoke detector ILS1 / ILS2 and FT series



Unit = 10 Pcs.

B05222-01

80,00

Fine filter set with replacement filters for aspirating smoke detector ILS1 / ILS2 and FT series



Unit = 10 Pcs.

Aspirating Smoke Detectors „FAAST“

Order No.	Unit price	Description
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B05481-00

1.898,00

Aspirating Smoke Detector FAAST LT-200 - 1 Channel / 1 Sensor

- ASD with 1 Detection Channel (1 smoke chamber / 1 sensor)
- Newly developed IR LED Sensor especially for ASD devices
- Adjustable fan speed in 10 steps
- 9 adjustable sensitivity levels
- Pre-Alarm functionality
- High sensitive detection algorithms to reduce false alarms
- Replaceable filter unit
- PipelQ Software for configuration and pipe layout
- Unique air stream sensor indicates status of air stream
- Improved mounting and assembling by adjusted pipe inlets and outlets
- New push buttons on control panel to improve start-up
- Dry contacts to interface Fire Alarm Panel or loop module

Technical specifications

Operating voltage	18,5 - 31,5 VDC
Current consumption	ca. 182 mA (24V DC)
Monitored area	1600 qm
Noise level	from 26 dB (A)
IP rating	IP 65
Operating temperature	-10°C to +55°C
Pipe system	max 1x100m or 2x80m ; Holes : class A: 3; B: 6; C: 18
Housing	ABS (black/grey)
Dimensions (HxWxD)	356 x 403 x 135 mm

Certifications

VdS-No.	G 214079
EC-Certificate	0832-CPR-F1050

B05483-00

2.220,00

Aspirating Smoke Detector FAAST LT-200 - 1 Channel / 2 Sensors

- ASD with 1 Detection Channel as above but 2 laser sensors
- Pipe system as B05481-00
- **Possibility of 2-Detector-Dependency**
- Technical data like B05481-00

Certifications

VdS-No.	G 214079
EC-Certificate	0832-CPR-F1051

B05485-00


2.450,00

Aspirating Smoke Detector FAAST LT-200 - 2 Channels / 2 Sensors

- ASD with 2 separate detection channels. This allows a max. connectivity of 4 pipes (2 intakes per channel)
- Incorporates 2 smoke chambers with 1 sensor each
- Pipesystem : **per channel max. 1x100m or 2x80m**
- Technical data like B05481-00







Certifications






VdS-No.	G 214079
EC-Certificate	0832-CPR-F1052

Order No.	Unit price	Description
B05487-00	158,00	Replacement filter, pre-filter (external) for aspirating smoke detector FFAST LT, PU to 1 pcs.  <ul style="list-style-type: none">▪ approved for FFAST detectors
B05488-33	125,00	Replacement filter (internal) for aspirating smoke detector FFAST LT, PU to 6 pcs. 

ABS pipes and fittings, d=25mm

Order No.	Unit price	Description								
B05130-25	8,50	Sampling pipe, d=25mm, 3 m pole <ul style="list-style-type: none"> ▪ Very easy to handle and flexible material ▪ robust and reliable ▪ resistant against chemicals ▪ very low coefficient of thermal expansion; this is important for environments with changing environment temperatures <table border="1"> <thead> <tr> <th colspan="2">Technical specifications</th> </tr> </thead> <tbody> <tr> <td>Material</td> <td>ABS, red</td> </tr> <tr> <td>Operating temperature</td> <td>-40°C to +60°C</td> </tr> <tr> <td>Tensile strength (at 23°C)</td> <td>>37 N/mm²</td> </tr> </tbody> </table>	Technical specifications		Material	ABS, red	Operating temperature	-40°C to +60°C	Tensile strength (at 23°C)	>37 N/mm ²
Technical specifications										
Material	ABS, red									
Operating temperature	-40°C to +60°C									
Tensile strength (at 23°C)	>37 N/mm ²									
B05131-25	20,00	45° Angle, d=25mm <ul style="list-style-type: none"> ▪ Material: ABS, red <p>Note! Packing unit = 10 pcs.</p>								
B05132-25	65,00	90° Arc, d=25mm <ul style="list-style-type: none"> ▪ Material: ABS, red <p>Note! Packing unit = 10 pcs.</p>								
B05133-25	13,00	Socket, d=25mm <ul style="list-style-type: none"> ▪ Material: ABS, red <p>Note! Packing unit = 10 pcs.</p>								
B05134-25	24,00	T piece, d=25mm <ul style="list-style-type: none"> ▪ Material: ABS, red <p>Note! Packing unit = 10 pcs.</p>								
B05137-25	54,00	Union with O-Seal, d=25mm <ul style="list-style-type: none"> ▪ Material: ABS, red ▪ caulking by O-seal <p>Note! Packing unit = 10 pcs.</p>								

Order No.	Unit price	Description
B05138-25	15,00	End cap, d=25mm <ul style="list-style-type: none"> Material: ABS, red <p>Note! Packing unit = 10 pcs.</p>
		
B05140-25	5,50	3/4" x 25 mm Adaptor <ul style="list-style-type: none"> Material: ABS, red Pipe is 3/4" and socket reduces to 25mm <p>Note! Packing unit = 1 pcs.</p>
		
B05153-25	24,80	Flush Sampling Capillary Kit <ul style="list-style-type: none"> Completely assembled sampling kit with 2m capillary tube red coupling to fit in pipe system flush mounted sampling capillary
		
B05160-25	112,00	Check valve ABS <ul style="list-style-type: none"> for cleaning of the pipe system by compressed air, d=25 mm
		
B05162-25	15,80	Coupling to fit in ABS pipe system with additional coupling for sampling capillary <ul style="list-style-type: none"> Material: ABS, grey Fits perfectly e.g. in T-piece B05134-00
		
B05163-00	8,50	Sampling Capillary, flush mounted, flat <ul style="list-style-type: none"> For discrete mounting of the pipe in ceilings With flange for screwing
		

Order No.	Unit price	Description
B05165-25	126,00	Pipe/Capillary coupling <ul style="list-style-type: none"> d = 25mm with 10mm capillary connection Material: ABS, red <p>Note! Packing unit = 10 pcs.</p>
		
B05169-00	2,80	Flexible Capillary tube, red <ul style="list-style-type: none"> Material: nylon, d=10 mm price per m
		
B05169-01	2,80	Flexible Capillary tube, white <ul style="list-style-type: none"> Material: nylon, d=10 mm price per m
		
B05170-00	175,00	Nylon hose, natural, d = 25mm <ul style="list-style-type: none"> Material : PVC Hose with fabric insert Diameter inside 19mm, outside 25mm If a flexible but strong tube is needed Connection to pipe per coupling B05133-25 <p>Note! Packing unit = 25m</p>
		
B05271-00	230,00	Inline air filter (grey) for intake pipe d=25mm and d=3/4" <ul style="list-style-type: none"> For use in rooms with a high dustiness Increases the lifespan of RAS detectors and reduces maintenance Filter elements can be replaced easily
		

Order No.	Unit price	Description
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B05175-25 **110,00** **Condensate separator for ABS-pipe, d=25mm, with boltings and rotary closure**



- For use in rooms with high humidity
- Visible collector pipe indicates the fluid level
- Boltings for easy emptying of the filling pipe

B05176-25 **84,80** **Filter box for ABS pipe, d=25mm**



- for applications in areas with high dust content
- ABS housing
- Colour : red/grey
- incl. In-built filter
- incl. 2 pcs. unions

B05114-00 **19,00** **Replacement filter for ABS air filter B05176-25 and PVC air filter B05270-00**

B05178-00 **196,00** **3 Way Ball Valve ABS, d=25mm**



- for the connection of compressed air, in order to clean the pipe system
- for 3/4" pipe please order adapter B05140-25 separately






B05179-00 **298,00** **Silencer for the aspirating smoke detector repatriation**



- Connect at the air repatriation of the ASD
- Reduces the operating noise of the ASD up to 10dB

Technical specifications

Temperature range	-30°C to +60°C
Material	ABS
Housing color	RAL 7035
Dimensions (WxHxL)	130 x 95 x 193 mm

Order No.	Unit price	Description
B05180-25	100,00	Pipe fixing 25-27mm <ul style="list-style-type: none"> Material: ABS, red <p>Note! Packing unit = 100 pcs.</p>
		
B05181-25	14,40	Pipe fixing with adjustable height, 25-27mm <ul style="list-style-type: none"> Incl. M8 x 60 mm bolt thread
		
B05185-00	13,60	ABS Cement <ul style="list-style-type: none"> 250 ml tin
		
B05185-02	27,90	ABS special glue DURAPIPE <ul style="list-style-type: none"> Can of 500 ml
		
B05185-01	31,20	Cleaner for ABS materials <ul style="list-style-type: none"> Can of 500 ml
		

Order No.	Unit price	Description
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B05186-00 22,00

Warning sticker, 100 pcs.

- For marking of the holes of the pipe system
- diameter 23mm
- prepared 4mm hole









B05190-00 90,00



Pipe cutter for ABS pipes

- High quality cutting tool with ratchet







PVC pipes and fittings, d=25mm

Order No.	Unit price	Description
B05225-00	9,20	PVC pipe 25/1,5 mm <ul style="list-style-type: none"> 5 m pole, grey
		
B05230-00	12,80	PVC End cap <ul style="list-style-type: none"> grey, d=25mm <p>Note! Packing unit = 10 pcs.</p>
		
B05232-00	13,60	PVC angle 90° <ul style="list-style-type: none"> grey, d=25mm <p>Note! Packing unit = 10 pcs.</p>
		
B05235-00	72,00	PVC Union with O-seal <ul style="list-style-type: none"> grey, d=25mm <p>Note! Packing unit = 10 pcs.</p>
		
B05237-00	34,00	PVC arc, 90° <ul style="list-style-type: none"> grey, d=25mm <p>Note! Packing unit = 5 pcs.</p>
		
B05240-00	11,80	PVC socket <ul style="list-style-type: none"> grey, d=25mm <p>Note! Packing unit = 10 pcs.</p>
		

Order No.	Unit price	Description
B05242-00	25,60	PVC angle 45° <ul style="list-style-type: none"> ▪ grey, d=25mm Note! Packing unit = 10 pcs.
		
B05245-00	17,60	PVC T piece <ul style="list-style-type: none"> ▪ grey, d=25mm Note! Packing unit = 10 pcs.
		
B05249-00	76,00	Pipe fixing, PVC <ul style="list-style-type: none"> ▪ for pipe d=25mm Note! Packing unit = 100 pcs.
		
B05253-00	24,80	Capillary suction set consisting of a flat screw suction flange, 2m red capillary hose and spigot-and-socket joint for 25mm pipe system <ul style="list-style-type: none"> ▪ Complete set for easy installation, already done mounted ▪ Allows concealed mounting of the intake pipe
		
B05262-00	114,00	Check valve PVC-Uv <ul style="list-style-type: none"> ▪ for cleaning of the pipe system, separate hose connection for compressed air ▪ d=25 mm
		
B05262-01	93,60	Check valve PVC-U <ul style="list-style-type: none"> ▪ for cleaning of the pipe system by compressed air ▪ d=25 mm
		

Order No.	Unit price	Description
B05270-00	83,60	Filter box for PVC pipe, d=25mm <ul style="list-style-type: none"> for applications in areas with high dust content Polycarbonate housing Colour : light grey RAL 7035 incl. In-built filter incl. 2 pcs. unions
		
B05114-00	19,00	Replacement filter <ul style="list-style-type: none"> for ABS air filter B05176-25 and PVC air filter B05270-00
		
B05278-00	116,00	3-Way Ball Valve for PVC pipe, d=25 mm <ul style="list-style-type: none"> for connecting compressed air to clean the pipe system
		
B05280-00	39,80	Tangit glue for PVC pipes <ul style="list-style-type: none"> 1 kg
		

Order No.	Unit price	Description
B05281-00	14,60	Tangit glue for PVC pipes <ul style="list-style-type: none"> ▪ 245 ml
		
B05281-50	26,80	Tangit glue for PVC pipes <ul style="list-style-type: none"> ▪ 485 ml
		
B05285-00	31,20	Cleaner for PVC materials <ul style="list-style-type: none"> ▪ 1000 ml
		
B05288-00	264,00	Water & Dust Trap for PVC pipes <ul style="list-style-type: none"> ▪ Water and Dust trap for PVC pipe, d= 25 mm ▪ Input and output diameter = 25 mm ▪ Water and dust trap w/o filter, for air cleaning of dust particles ▪ ideally to prepurifying of water drops, sand-deaf, coal dust, paper types of dust as well as insects, oils, etc. ▪ Dimensions H = 300 mm , D = 135 mm
		

Duct Detector

Order No.	Unit price	Description
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B06040-00

149,40

Intelligent Duct Smoke Detector, addressable



- The Intelligent Duct Smoke Detector provides early detection of smoke in the air moving through heating and ventilation (HVAC) ducts in commercial and industrial premises. Its purpose is to prevent the re-circulation of smoke from an area on fire to areas unaffected by the fire when used with a XP95 or Discovery detector.
- Operates in air speeds of 0.5m/s to 20m/s
- Transparent cover to view detector head LED
- Integral smoke test port
- Detector base included
- Please order smoke detector head separately

Technical specifications

Operating voltage	17 - 28 V
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B06040-01

18,80

Extension tube (300-750mm)

- for DUCT detector B06040-00

B06040-02

35,20

Extension tube (750-1500mm)

- for DUCT detector B06040-00

B06040-03

54,90

Extension tube (1500-3000mm)

- for DUCT detector B06040-00

IS Detectors analogue addressable (XP95)

Order No.	Unit price	Description
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B06400-00

325,00

XP95 IS Optical Smoke Detector



- XP95 IS optical smoke detector using the light scatter principle
- Optimized installation and startup by easy addressing through patented XPERT card. The position of the XPERT card within the detector base prevents from false addressing after detector replacement or service.
- The totally electronic- free detector base minimizes service and modification work.
- Drift compensation via control panel
- Timeless elegant design
- 5 different alarm thresholds can be selected via the control panel.
- No disturbance through wind or air pressure fluctuation
- Including a red alarm LED

Technical specifications

Operating voltage	14 - 22 V DC
Quiescent current	340 µA
Operating temperature	-20°C to +60°C*
Rel. Humidity	max. 95%
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	100 x 42mm (x 50mm incl. base)
Weight	105g (157g incl. base)
Housing material	PC (V-0 / UL 94)

Certifications

EC-certificate	0832-CPD-0313
ATEX-Zertifikat	Bas02ATEX1289

*No condensation or icing

B06402-00

325,00

XP95 IS Heat Detector (A2S)



- Optimized installation and startup by easy addressing through patented XPERT card. The position of the XPERT card within the detector base prevents from false addressing after detector replacement or service.
- The totally electronic- free detector base minimizes service and modification work.
- Timeless elegant design
- 5 different alarm thresholds can be selected via the control panel.
- No disturbance through air pressure fluctuation
- Including a red alarm LED

Technical specifications

Operating voltage	14 - 22 V DC
Quiescent current	300 µA
Operating temperature	-20°C to +60°C*
Rel. Humidity	max. 95%
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	100x 42mm (x 50mm incl. base)
Weight	105g (157g incl. base)
Housing material	PC (V-0 / UL 94)

Certifications

EC-certificate	0832-CPD-0311
ATEX-Zertifikat	Bas02ATEX1289

*No condensation

Order No.	Unit price	Description
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B06404-00

325,00

XP95 IS Ionisation Smoke Detector

- The XP95 IS Ionisation Smoke Detector uses a low-activity radioactive foil to detect fires by irradiating the air in the smoke chambers and causing a current flow. If smoke enters the chamber, the current flow is reduced leading to an alarm.
- Responds well to fast-burning, flaming fires
- Designed to operate in a variety of environments
- Minimal effects from temperature, humidity, atmospheric pressure
- The totally electronic- free detector base minimizes service and modification work.
- 5 different sensitivity levels can be chosen via the control panel.

Technical specifications

Operating voltage	14 - 22 V DC
Quiescent current	300 µA
Operating temperature	-20°C to +60°C*
Rel. Humidity	max. 95%
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	100 x 42mm (x 50mm incl. base)
Weight	105g (157g incl. base)
Housing material	PC (V-0 / UL 94)

Certifications

EC-certificate	0832-CPD-0312
ATEX-Zertifikat	Bas02ATEX1289

*No condensation or icing

B06406-00

14,50

XP95 IS Mounting Base

- XPERT addressing
- The XP95 IS Mounting Base has been designed to accept only IS products. This ensures that standard detectors cannot inadvertently be fitted into an Intrinsically Safe system. XPERT cards are supplied with all bases.
- One way fit

Technical specifications

Operating voltage	14 - 22 V DC
Operating temperature	-40°C to +70°C
Rel. Humidity	max. 95%
Colour	white (similar RAL 9003)
Dimensions (Ø x T)	100 x 16mm
Weight	53g
Housing material	PC (V-0 / UL 94)

Certifications

EC-certificate	0832-CPD-0313
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Order No.	Unit price	Description
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B06409-00

339,00

XP95 IS Manual Call Point "type A" (single action), red

- The XP95 IS Manual Call Point is based on the standard waterproof model. It features an 'interrupt' facility to provide a fast response to an alarm.
- Reports an alarm in under 0.2 seconds
- Waterproof
- IP67 rated

Technical specifications

Operating voltage	14 - 22 V DC
Quiescent current	230 µA
Alarm current	1,2 mA
Operating temperature	-20°C to +60°C (T4)
Rel. Humidity	max. 95%
Colour	red
Dimensions (LxWxD)	110 x 110 x 74mm
Weight	330g
Housing material	PC

Certifications

EC-certificate	0359-CPR-00188
ATEX-Zertifikat	BAS02ATEX1290

*No condensation

B06410-00

598,00

XP95 IS Galvanic Barrier

- The Galvanic barrier is available in the XP95 IS range and the Orbis IS range. It can be installed in safe areas and ensures system integrity.
- Suitable for DIN Rail mounting

Technical specifications

Operating temperature	-20°C to +60°C
Colour	green
Dimensions (LxWxD)	20 x 107 x 115 mm
Weight	100g

Certifications

ATEX-Zertifikat	BAS00ATEX7087
Declaration of conformity	PF08CERT1263

Order No.	Unit price	Description
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B06412-00

220,00

XP95 IS Protocol Translator 1-channel

- The Protocol Translator is installed in the safe area ensuring integrity of communication between control equipment and field devices and safety within the limits of BASEEFA approvals.
- Suitable for DIN Rail mounting

Technical specifications

Operating voltage	19 - 28 V
Quiescent current	300 μ A
Alarm current	1,2 mA
Operating temperature	-20°C to +60°C
Rel. Humidity	10 - 95%*
Colour	green
Dimensions (LxWxD)	93 x 110 x 20mm
Weight	100g
Housing material	Makrolon 6485

Certifications

EC-certificate	0832-CPD-0858
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*No condensation

B06414-00

260,00

XP95 IS Protocol Translator 2-channel

- The Protocol Translator is installed in the safe area ensuring integrity of communication between control equipment and field devices and safety within the limits of BASEEFA approvals..
- Suitable for DIN Rail mounting

Technical specifications

Operating voltage	19 - 28 V
Quiescent current	300 μ A
Operating temperature	-20°C to +60°C
Rel. Humidity	10 - 95%*
Colour	green
Dimensions (LxWxD)	93 x 110 x 20mm
Weight	100g
Housing material	Makrolon 6485

Certifications

EC-certificate	0832-CPD-0859
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*No condensation

IS Detectors Conventional (Orbis)

Order No.	Unit price	Description
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B06300-00

144,80

Orbis IS Optical Smoke Detector



- The Orbis IS Optical Smoke Detector operates on the well established light scatter principle. The sensing technology used is radically different from previous optical detectors and significantly reduces false alarms.
- Responds well to slow-burning, smouldering fires
- Good performance in both black and white smoke
- Transient rejection algorithms reduce false alarms
- Automatic drift compensation with DirtAlert, a yellow flashing LED, to easily identify dirty detectors
- Red flashing LED at StartUp confirms that the device is operating.
- SensAlert, yellow flashing LED, indicates faulty operation
- FasTest takes just 4 seconds to test and confirm detectors are functioning correctly
- DustDefy system prevents dust ingress while maintaining airflow.

Technical specifications	
Operating voltage	14 - 28 V DC
Quiescent current	85 µA
Operating temperature	-40°C to +70°C*
Rel. Humidity	max. 98%*
Housing	Polycarbonat
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	100 x 42mm (100 x 50mm with base)
Weight	75g (135g with base)
Housing material	PC (V-0 / UL 94)
Certifications	
VdS-No.	G 207027
EC-certificate	0832-CPD-0476
ATEX-Zertifikat	Baseefa06ATEX0007X

*No condensation or icing

Order No.	Unit price	Description
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B06302-00

176,20

Orbis IS Multisensor (Optical/Heat)

- The Orbis IS Multisensor Detector benefits from the same false alarm reduction technology as the optical detector, enhanced by the addition of a thermal sensing element.
- Responds well to fast-burning, flaming fires
- Transient rejection algorithms reduce false alarms
- Automatic drift compensation with DirtAlert, a yellow flashing LED, to easily identify dirty detectors
- Red flashing LED at StartUp confirms that the device is operating.
- SensAlert, yellow flashing LED, indicates faulty operation
- FasTest takes just 4 seconds to test and confirm detectors are functioning correctly
- DustDefy system prevents dust ingress while maintaining airflow

Technical specifications

Operating voltage	14 - 28 V DC
Quiescent current	85 µA
Operating temperature	-40°C to +70°C*
Rel. Humidity	max. 98%
Housing	Polycarbonat
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	100 x 50mm (100 x 60mm with base)
Weight	80g (140g with base)

Certifications

VdS-No.	G 207028
EC-certificate	0832-CPD-0468
ATEX-Zertifikat	Baseefa06ATEX0007X

*No condensation or icing

Order No.	Unit price	Description
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B06304-00

115,00

Orbis IS Heat Detector A1R (57°C)

- The Orbis IS Heat Detector monitors the temperature by using a single thermistor which provides a voltage output proportional to the external air temperature.
- Can be used for applications where smoke detectors are unsuitable
- Ideal in environments that are dirty or smoky under normal conditions
- Red flashing LED at StartUp confirms that the device is operating. SensAlert, yellow flashing LED, indicates faulty operation
- FasTest takes just four seconds to test and confirm detectors are functioning correctly.

Technical specifications

Operating voltage	14 - 28 V DC
Quiescent current	80 µA
Operating temperature	-40°C to +70°C*
Rel. Humidity	max. 98%
Housing	Polycarbonat
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	100 x 42(50)mm (base)
Weight	70g (130g with base)

Certifications

VdS-No.	G 207020
EC-certificate	0832-CPD-0469
ATEX-Zertifikat	Baseefa06ATEX0007X

*No condensation or icing

B06306-00

115,00

Orbis IS Heat Detector A1S (57°C)

- Like before but A1S version

Certifications

EC-certificate	0832-CPD-0475
ATEX-Zertifikat	Baseefa06ATEX0007X

*No condensation or icing

B06308-00

115,00

Orbis IS Heat Detector A2S (61°C)

- Like before but A2S version

Certifications

EC-certificate	0832-CPD-0470
ATEX-Zertifikat	Baseefa06ATEX0007X

*No condensation or icing

Order No.	Unit price	Description								
B06310-00	115,00	Orbis IS Heat Detector BR (75°C) <ul style="list-style-type: none"> Like before but BR version <table border="1"> <thead> <tr> <th colspan="2">Certifications</th> </tr> </thead> <tbody> <tr> <td>EC-certificate</td> <td>0832-CPD-0471</td> </tr> <tr> <td>ATEX-Zertifikat</td> <td>Baseefa06ATEX0007X</td> </tr> </tbody> </table> <p>*No condensation or icing</p>	Certifications		EC-certificate	0832-CPD-0471	ATEX-Zertifikat	Baseefa06ATEX0007X		
Certifications										
EC-certificate	0832-CPD-0471									
ATEX-Zertifikat	Baseefa06ATEX0007X									
B06312-00	115,00	Orbis IS Heat Detector BS (75°C) <ul style="list-style-type: none"> Like before but BS version <table border="1"> <thead> <tr> <th colspan="2">Certifications</th> </tr> </thead> <tbody> <tr> <td>EC-certificate</td> <td>0832-CPD-0472</td> </tr> <tr> <td>ATEX-Zertifikat</td> <td>Baseefa06ATEX0007X</td> </tr> </tbody> </table> <p>*No condensation or icing</p>	Certifications		EC-certificate	0832-CPD-0472	ATEX-Zertifikat	Baseefa06ATEX0007X		
Certifications										
EC-certificate	0832-CPD-0472									
ATEX-Zertifikat	Baseefa06ATEX0007X									
B06314-00	115,00	Orbis IS Heat Detector CR (90°C) <ul style="list-style-type: none"> Like before but CR version <table border="1"> <thead> <tr> <th colspan="2">Certifications</th> </tr> </thead> <tbody> <tr> <td>EC-certificate</td> <td>0832-CPD-0473</td> </tr> <tr> <td>ATEX-Zertifikat</td> <td>Baseefa06ATEX0007X</td> </tr> </tbody> </table> <p>*No condensation or icing</p>	Certifications		EC-certificate	0832-CPD-0473	ATEX-Zertifikat	Baseefa06ATEX0007X		
Certifications										
EC-certificate	0832-CPD-0473									
ATEX-Zertifikat	Baseefa06ATEX0007X									
B06316-00	115,00	Orbis IS Heat Detector CS (90°C) <ul style="list-style-type: none"> Like before but CS version <table border="1"> <thead> <tr> <th colspan="2">Certifications</th> </tr> </thead> <tbody> <tr> <td>VdS-No.</td> <td>G 207025</td> </tr> <tr> <td>EC-certificate</td> <td>0832-CPD-0474</td> </tr> <tr> <td>ATEX-Zertifikat</td> <td>Baseefa06ATEX0007X</td> </tr> </tbody> </table> <p>*No condensation or icing</p>	Certifications		VdS-No.	G 207025	EC-certificate	0832-CPD-0474	ATEX-Zertifikat	Baseefa06ATEX0007X
Certifications										
VdS-No.	G 207025									
EC-certificate	0832-CPD-0474									
ATEX-Zertifikat	Baseefa06ATEX0007X									

Order No.	Unit price	Description
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B06318-00

14,20

Orbis IS TimeSaver Base

- The Timesaver Base is a design that provides installers with an open working area with fixing holes shaped to allow a fast mounting procedure.
- Grouped terminals to make wiring easy
- Two fixing centres
- LED alignment mark
- Cable stripping guide
- Detector locking mechanism

Technical specifications

Operating voltage	14 - 28 V DC
Operating temperature	-40°C to +70°C*
Rel. Humidity	max. 98%
Housing	Polycarbonat
Colour	white (similar RAL 9003)
Dimensions (Ø x H)	100 x 15mm montiert
Weight	60g

Certifications

VdS-No.	G 207025
EC-certificate	0832-CPD-0474
ATEX-certificate	Baseefa06ATEX0007X

*No condensation or icing

B06320-00

476,00

Orbis IS Galvanic Barrier

- For DIN-Rail mounting

Technical specifications

Operating temperature	-20°C to +60°C*
Colour	green

Certifications

certificate	BAS98 ATEX 7343
ATEX-certificate	PF08CERT1263

Order No.	Unit price	Description
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B05340-00

320,00

Galvanic Isolator for IS Detectors, 2 channel

- Suitable for 2 zones of the above listed Orbis IS detector range
- No earth connection necessary
- To be mounted on DIN rail
- Ideal mounting in housing B07550-00

Technical specifications

Operating voltage	max. 28V DC
Quiescent current	< 400µA
Übertragungsstrom	1 - 40 mA
ATEX Classification	Ex II GD EEx ia IIC
Operating temperature	-20°C to +60°C
IP rating	IP 20
Weight	100 g

Certifications

BASEEFA	Baseefa09ATEX0027
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B06324-00

35,50

IS Manual Call Point, red ABS, type "A", single action, conventional

- 'Plug and play' terminal connections for fast wiring
- Resettable element

Technical specifications

Operating voltage	max. 30V DC
Alarm resistor	470 Ohm
Humidity	0-93% (+/- 3%)*
Operating temperature	-10°C to +55°C
IP rating	IP 24D
Dimensions (WxHxD)	93 x 89 x 60 mm
Colour	red
Weight	180 g

Certifications

EC-certificate	SIRA 04ATEX2350X
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*No condensation

B06324-01

202,00

IS Manual Call Point, red ABS, type "A", single action, conventional, IP67

- 'Plug and play' terminal connections for fast wiring
- Resettable element

Technical specifications

Operating voltage	max. 30V DC
Alarm resistor	470 Ohm
Humidity	0-93% (+/- 3%)*
Operating temperature	-25°C to + 70°C
IP rating	IP 67
Dimensions (WxHxD)	93 x 89 x 71 mm
Colour	red
Weight	350 g

Certifications

EC-certificate	SIRA 06ATEX2131X
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*No condensation

Flame Detectors addressable

Order No.	Unit price	Description
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B06470-00

2.758,00

IR² Flame Detector, addressable



- The Intelligent IR² Flame Detector is designed for use in areas where flaming fires may be expected. The detector has two sensors which respond to different IR wavelengths to discriminate between flames and spurious sources of radiation
- Sensitive to flickering IR radiation. Responds to flickering flames, including those invisible to the naked eye
- Detects through films of oil, dust, water and ice
- Compatible with Discovery/XP95 protocol
- Remote optical self-test function
- 90° field of view
- Up to 40m coverage
- Protection class: IP65

Technical specifications

Operating voltage	17 - 28 V DC
Quiescent current	2,2 mA
Operating temperature	-10°C to +55°C
Rel. Humidity	max. 95%*
Colour	blue
Dimensions (LxWxD)	142 x 108 x 82mm
Housing material	Die-Cast Zinc Alloy
Weight	1kg

Certifications

EC-certificate	0832-CPR-F0595
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*No condensation

B06472-00

2.798,00

IR³ Flame Detector, addressable



- The Intelligent Triple IR Flame Detector (IR³) is designed to protect areas where open flaming fires may be expected. It is sensitive to low frequency, flickering infrared radiation emitted by flames during combustion.
- Loop-powered
- Sensitive to flickering IR radiation
- Detects through films of oil, dust, water and ice
- Responds to flickering flames, including those invisible to the naked eye
- False alarms due to lighting or flickering sunlight are minimised
- Compatible with Discovery and XP95 protocols
- Remote optical self-test function
- 90° field of view
- Up to 40m coverage
- Protection class: IP65

Technical specifications

Operating voltage	14 - 28 V DC
Quiescent current	2,2 mA
Operating temperature	-10°C to +55°C
Rel. Humidity	max. 95%*
Colour	blue
Dimensions (LxWxD)	142 x 108 x 82mm
Housing material	Die-Cast Zinc Alloy
Weight	2kg

Certifications

EC-certificate	0832-CPR-F0596
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*No condensation

Order No.	Unit price	Description
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B06474-00

3.930,00

IR² Flame Detector, flameproof, addressable

- The intelligent flameproof IR² flame detector is designed for hazardous areas in indoor applications. The detector has two sensors which respond to different IR wavelengths.
- Sensitive to flickering IR radiation. Responds to flickering flames including those invisible to the naked eye.
- Meets the requirements of ATEX directive 94/9/EC
- Detects through films of oil, dust, water and ice
- Compatible with XP95/Discovery protocol
- Remote optical self-test function
- 90° field of view
- Up to 40 m coverage
- Protection class: IP66

Technical specifications

Operating voltage	14 - 28 V DC
Quiescent current	max. 8 mA
Operating temperature	-10°C to +55°C
Rel. Humidity	max. 95%*
Colour	rot
Dimensions (LxWxD)	150 x 146 x 110mm
Housing material	Aluminium
Weight	2,5kg

Certifications

EC-certificate	0832-CPR-F0592
BASEEFA	Baseefa08ATEX0270

*No condensation

B06476-00

3.546,00

IR³ Flame Detector, flameproof, addressable

- The intelligent flameproof IR³ flame detector is designed for hazardous areas in indoor and outdoor applications.
- Sensitive to flickering low frequency IR radiation.
- Meets the requirements of ATEX directive 94/9/EC
- Loop powered
- Detects through films of oil, dust, water and ice
- Compatible with XP95/Discovery protocol
- Remote optical self-test function
- 90° field of view
- Up to 40 m coverage
- Protection class: IP66

Technical specifications

Operating voltage	14 - 28 V DC
Quiescent current	max. 8 mA
Operating temperature	-10°C to +55°C
Rel. Humidity	max. 95%*
Colour	rot
Dimensions (LxWxD)	150 x 146 x 110mm
Housing material	Aluminium
Weight	2,5kg

Certifications

EC-certificate	0832-CPR-F0593
BASEEFA	Baseefa08ATEX0270

*No condensation

Order No.	Unit price	Description
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B06478-00

840,00

UV Flame Detector, addressable, for Standard Base mounting

- The intelligent base mounted UV flame detector is designed to protect enclosed indoor areas where open fires may be expected.
- The detector has a fast acting response to flames up to 25m away and its single UV sensor with a narrow spectral response can discriminate between flames and most spurious sources of radiation.
- Responds to stationary flames with no flicker
- Sensitive to UV radiation emitted by flames during combustion
- Compact flame detector which fits into Discovery or XP95 bases
- Loop-powered
- Protection class: IP66

Technical specifications

Operating voltage	17-28 V DC
Quiescent current	2,3 mA
Operating temperature	-40°C to +85°C
Rel. Humidity	max. 95%*
Colour	white
Dimensions (Ø x H)	100 x 40(48)mm (with base)
Housing material	Polycarbonat
Weight	150g

Certifications

EC-certificate	0832-CPD-1315
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*No condensation

B06480-00

1.340,00

UV/IR² Flame Detector, addressable, for Standard Base mounting

- The Intelligent Base Mounted UV IR² Flame Detector is designed to protect open indoor areas such as aircraft houses, generator rooms and paint works where open flaming fires may be expected. The detector has a UV and dual IR sensors responding to different wavelengths in order to discriminate between flames and spurious sources of radiation.
- Responds to stationary flames with no flicker
- Sensitive to UV and low-frequency flickering IR radiation emitted by flames during combustion
- Compact flame detector which fits into Discovery or XP95 bases
- False alarms due to electrical discharges from lightning or arc welding and flickering sunlight are minimized
- Loop-powered
- Protection class: IP66

Technical specifications

Operating voltage	17-28 V DC
Quiescent current	2,8 mA
Operating temperature	-40°C to +70°C
Rel. Humidity	max. 95%*
Colour	white
Dimensions (Ø x H)	100 x 40(48)mm (with base)
Housing material	Polycarbonat
Weight	150g

Certifications

EC-certificate	0832-CPD-1316
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*No condensation

Order No.	Unit price	Description
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B06482-00

1.340,00

IR³ Flame Detector, addressable, for Standard Base mounting



- The Intelligent Base Mounted IR3 Flame Detector is designed to protect all indoor areas, even in dirty or smoky conditions where open flaming fires may be expected. The detector has three IR sensors that respond to different IR wavelengths in order to discriminate between flames and spurious sources of radiation.
- Responds to stationary flames with no flicker
- Sensitive to low-frequency flickering IR radiation emitted by flames during combustion
- Compact flame detector which fits into Discovery or XP95 bases
- Loop-powered
- False alarms due to factors such as flickering sunlight are avoided by a combination of filters and signal processing techniques
- Protection class: IP66

Technical specifications

Operating voltage	17-28 V DC
Quiescent current	2,5 mA
Operating temperature	-40°C to +85°C
Rel. Humidity	max. 95%*
Colour	white
Dimensions (Ø x H)	100 x 40(48)mm (with base)
Housing material	Polycarbonat
Weight	150g

Certifications

Apollo-DoP	CD0006/Flame/V1
EC-certificate	0832-CPD-1317

*No condensation

B06484-00

295,00

Bracket for Base Mounted Flame Detectors



Illustration with base

- Please order detector base separately!

Order No.	Unit price	Description
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B05440-00

2.960,00

Industrial IR³ flame detector IFD-E (3 channel), with false alarms reduction


- designed for use where open flaming fires may be expected
- The detector discriminates between flames and other light sources by responding only to particular optical wavelengths and flame flicker frequencies
- Ideal for the detection of flames from the burning of Aviation Fuels (kerosene), Butane, Grain & Feeds, Hydrogen, Paper, Natural Gas, Petrol etc.
- Selectable response speed
- Approved according to EN54, part 10

Technical specifications

Operating voltage	14 - 30V DC
Alarm current	9 - 28 mA
Range	40m (0° angle)
Operating temperature	-10°C to +55°C
Humidity	max. 95% - (at 40°C)
IP rating	IP 65
Housing	blue, Die-Cast Zinc Alloy
Dimensions (WxHxD)	108 x 142 x 82 mm
Weight	2 kg

Certifications

VdS-No.	G 212189
EC-Certificate	0832-CPD-0595

B05445-00

3.350,00

Industrial Intrinsically Safe IR³ flame detector IFD-E(I.S.), 3 channels, with false alarms reduction


- As above but Intrinsically Safe (using a safety barrier e.g. B05446-00)
- Certified to Ex II1G Eex ia IIC T4

Technical specifications

Operating voltage	14 - 30V DC
Alarm current	9 - 28 mA
Range	40m (0°angle)
Operating temperature	-10°C to +55°C
Humidity	max. 95% - (at 40°C)
IP rating	IP 65
Housing	blue, Die-Cast Zinc Alloy
Dimensions (WxHxD)	108 x 142 x 82 mm
Weight	2 kg

Certifications

VdS-No.	G 212189
EC-Certificate	0832-CPD-0597
ATEX-Certificate	BAS02ATEX1001

Order No.	Unit price	Description
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B05448-00

3.020,00

Conventional, UV/IR² flame detector IFD-E with false alarm reduction



- Developed to monitor open areas, indoor and outdoor
- Highest immunity to false alarms due to UV AND IR evaluation
- Rugged aluminum die casting housing
- Adjustable speed of response
- Approved to EN54, part 10

Technical specifications

Operating voltage	14 - 30V DC
Alarm current	9 - 28 mA
Range	40m (0° angle)
Operating temperature	-10°C to +55°C
Humidity	max. 95% (40°C)
IP rating	IP 65
Housing	blue, Die-Cast Zinc Alloy
Dimensions (WxHxD)	108 x 142 x 82 mm
Weight	2 kg

Certifications

VdS-No.	G 212190
EC-Certificate	0832-CPD-0970

B05450-00

3.400,00

Industrial IR³ flame detector IFD-E(Exd) in flame proof housing, 3 channels, with false alarms reduction



- Developed to monitor open areas, indoor and outdoor
- Differentiation between fire and other light source through 3 different IR channels
- Optimal at hazardous areas
- Certified to Ex II2 G D
- Adjustable response time

Technical specifications

Operating voltage	14 - 30V DC
Alarm current	3 - 28 mA
Alarm Relay	max 1A / 50VDC
Range	25m
Operating temperature	-10°C to +55°C
Humidity	max. 95% (40°C)
IP rating	IP 66
Housing	red, Die-Cast Aluminium
Dimensions (WxHxD)	150 x 146 x 137 mm
Weight	2,5 kg

Certifications

VdS no.	G 212189
EC-Certificate	0832-CPD-0599

B05452-00

3.960,00

Conventional UV / IR² flame detector (EExd), ATEX, pressure-encapsulated, with false alarm suppression, for I.S. applications

- Like B05450-00, however, combined UV / IR² portion

VdS no. G 212190, CE 0832-CPD-0971

Order No.	Unit price	Description
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B05455-00

202,00

Adjustable Mounting Bracket

- for Flame detectors IFD-E, IFD-E(I.S.) und IFD-E(Exd)
- mounting at the wall or the ceiling



B05340-00

336,00

Galvanic Isolator for I.S. detectors, 2 channel

- Suitable for 2 zones of the above CDX I.S. detector range
- No earth connection necessary
- To be mounted on DIN rail
- Ideal mounting in housing B07550-00

**Technical specifications**

Operating voltage I.S.	max. 28V DC
Quiescent current	< 400µA
Transmission current	1 - 40 mA
ATEX Classification	Ex II GD EEx ia IIC
Classification	Zone 0
Operating temperature	-20°C to +60°C
Weight	100 g

Certifications

BASEEFA approval	BAS 01 ATEX 7160
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B05456-00

3.300,00

Mobile, universal test device for flame detectors

- Simulates fire (generates no real flame)
- Portable (Incl. battery and charger)
- Compatible with almost all types (UV, UV/IR, UV/IR², IR, IR², IR³)
- Output selectable: constant, flickering, pulse
- Incl. transport case



B05457-00

294,00

Weather protection hood (stainless steel) for not pressure-capsulated IR-flame detectors**Technical specifications**

Material	Stainless Steel V2A
Dimensions (LxBxH)	131x122x156 mm



Linear optical Smoke Detectors, Type OSID

Order No.	Unit price	Description
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B05550-00

830,00

Open Area Smoke Detector OSI-90 (Beam), 2 wave lengths, 90°Receiver



- Dual wavelength LED-based smoke detection (IR and UV)
 - Dust and intrusive solid object rejection
 - High false alarm immunity
 - Max. 7 Emitter can be combined with 1 Receiver
 - Automatic aligning in a few minutes
 - Easy alignment with large adjustment and viewing angles
 - Status LEDs for Fire, Trouble and Power
 - 1 Alarm and 1 fault relay
 - Three selectable alarm thresholds
 - Simple DIP switch configuration
- **Please use Laser Alignment Tool B05560-00 for installation**

Technical specifications

Range	6-34 m (standard emitter) 12-68 m (high-Power emitter)
Field of view	80° x 48°
Operating voltage	20 - 30 V DC
Quiescent current	8-10 mA (24 V DC)
Start-up current	31 mA (24 V DC)
Relay outputs	each 2A / 30V DC
Operating temperature	-10°C to +55°C
Humidity	0 to 95 % RH
Weight	610 g
IP rating	IP 44
Dimensions (HxBxT)	198 x 130 x 96 mm
Certifications	
VdS-No.	G 211072
EC-Certificate	0333-CPD-075387

B05552-00

810,00


Open Area Smoke Detector OSI-10 (Beam), 2 wave lengths, 10°Receiver




- as B05550-00 but field of view is thinner: 10° => Increase of distance
- narrow field of view allows only 1 emitter


Technical specifications




Range	30-150 m (standard emitter)
Field of view	7° x 4°
Certifications	
VdS-No.	G 211072
EC-Certificate	0333-CPD-075387

Order No.	Unit price	Description
B05555-00	390,00	Standard Emitter – Battery Version -
		<ul style="list-style-type: none"> ▪ A maximum of 7 transmitters can be combined with 1 receiver (OSI-90) ▪ A maximum of 1 transmitter can be combined with 1 receiver (OSI-10) ▪ Range 6-34m (OSI-90), 30-150m (OSI-10) ▪ Easiest installation ▪ Built-in battery lasts 5 years
Technical specifications		
Operating temperature	-10°C to +55°C	
Humidity	0 to 95 % RH	
Weight	585 g	
IP rating	IP 44	
Dimensions (HxBxT)	198 x 130 x 96 mm	
Certifications		
VdS-No.	G 211072	
EC-Certificate	0333–CPD-075387	

B05555-20	84,00	Spare part Alkali battery for Emitter B05555-00
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B05556-00	390,00	Standard Emitter - 24V DC Version -
		<ul style="list-style-type: none"> ▪ A maximum of 7 transmitters can be combined with 1 receiver (OSI-90) ▪ A maximum of 1 transmitter can be combined with 1 receiver (OSI-10) ▪ Range 6-34m (OSI-90), 30-150m (OSI-10) ▪ Easiest installation
Technical specifications		
Quiescent current	350µA (24VDC)	
Operating temperature	-10°C to +55°C	
Humidity	0 to 95 % RH	
Weight	535 g	
IP rating	IP 44	
Dimensions (HxBxT)	198 x 130 x 96 mm	
Certifications		
VdS-No.	G 211072	
EC-Certificate	0333–CPD-075387	

B05557-00	390,00	High Power Emitter - 24V DC Version -
		<ul style="list-style-type: none"> ▪ A maximum of 7 transmitters can be combined with 1 receiver (OSI-90) ▪ Range 12-68m ▪ Easiest installation
Technical specifications		
Quiescent current	800µA (24VDC)	
Operating temperature	-10°C to +55°C	
Humidity	0 to 95 % RH	
Weight	535 g	
IP rating	IP 44	
Dimensions (HxBxT)	198 x 130 x 96 mm	
Certifications		
VdS-No.	G 211072	
EC-Certificate	0333–CPD-075387	

Order No.	Unit price	Description										
B05560-00	360,00	Laser Alignment Tool Including: <ul style="list-style-type: none"> ▪ Laser alignment tool ▪ test filter ▪ PC cable ▪ cleaning cloth and manual 										
												
B05561-00	318,00	Protection Housing for OSID receiver <ul style="list-style-type: none"> ▪ Provides protection against moisture and dust ▪ Prepared for mounting the receiver ▪ Transparent windows to view alarm and fault LEDs ▪ Incl. cable entries <table border="1"> <thead> <tr> <th colspan="2">Technical specifications</th> </tr> </thead> <tbody> <tr> <td>Material</td> <td>ABS</td> </tr> <tr> <td>Operating temperature</td> <td>-25°C to +60°C</td> </tr> <tr> <td>IP rating</td> <td>IP66</td> </tr> <tr> <td>Dimensions</td> <td>241 x 197 x 124 mm</td> </tr> </tbody> </table>	Technical specifications		Material	ABS	Operating temperature	-25°C to +60°C	IP rating	IP66	Dimensions	241 x 197 x 124 mm
Technical specifications												
Material	ABS											
Operating temperature	-25°C to +60°C											
IP rating	IP66											
Dimensions	241 x 197 x 124 mm											
												
B05561-20	252,00	Protection Housing for OSID emitter <ul style="list-style-type: none"> ▪ Provides protection against moisture and dust ▪ Prepared for mounting the emitter ▪ Incl. cable entries <table border="1"> <thead> <tr> <th colspan="2">Technical specifications</th> </tr> </thead> <tbody> <tr> <td>Material</td> <td>ABS</td> </tr> <tr> <td>Operating temperature</td> <td>-25°C to +60°C</td> </tr> <tr> <td>IP rating</td> <td>IP66</td> </tr> <tr> <td>Dimensions</td> <td>241 x 197 x 124 mm</td> </tr> </tbody> </table>	Technical specifications		Material	ABS	Operating temperature	-25°C to +60°C	IP rating	IP66	Dimensions	241 x 197 x 124 mm
Technical specifications												
Material	ABS											
Operating temperature	-25°C to +60°C											
IP rating	IP66											
Dimensions	241 x 197 x 124 mm											
												
B05564-00	850,00	Anti-condensation film ACF for OSID-protection housing <ul style="list-style-type: none"> ▪ Packing unit 10 pcs. 										
B05565-00	78,00	FTDI-Cable 1,5 m										

Linear optical Smoke Detectors, FIRERAY

Order No.	Unit price	Description
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B06458-00

995,00

FIRERAY 5000 auto-aligning Beam Detector with Remote Control Unit, distance from 8m to 50m, addressable



- The high performance Auto-Aligning Beam Detector comprises ground level controller, detector head with auto-aligning feature, integral laser for rapid initial alignment and single prism. Up to 2 additional detector heads can be added to the controller.
- Power supply via loop
- Compatible with XP95, Discovery, CoreProtocol
- Automatically compensates for building movement and contamination
- IP54 rated
- Distance max 50m (basic version with single prism). Extendable to 100m using extension kit B05579-00
- Up to 2 detectors can be connected to one controller.
- Maximum angle tolerance for prism installation: +/- 5°
- Maximum auto-aligning of detector (e.g. to compensate for building movements): +/- 3,5°
- Protection class: IP54

Technical specifications

Range	8 - 50 m
Operating voltage	17 - 35 V DC
Quiescent/alarm current	7,5 mA (24 V DC)
Alignment mode current	36 mA (24 V DC)
Operating temperature	-10 °C to +55 °C
Humidity	max. 93 %*
Dimensions Controller	202 x 230 x 87 mm
Dimensions Detector	134 x 131 x 134 mm

Certifications

VdS-No.	G 217042
EC-certificate	0832-CPR-F1120

*No condensation

B06458-01

795,00

Additional Detector with single prism reflector for B06458-00, max distance 50m



- Please note: Ground level controller quiescent current with two Detectors: 10mA

Certifications

VdS-No.	G 217042
EC-certificate	0832-CPR-F1120

Order No.	Unit price	Description
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B05570-00

812,00

FIRERAY 5000 auto-aligning Beam Detector with Remote Control Unit, distance from 8m to 50m


- The high performance Auto-Aligning Beam Detector comprises ground level controller, detector head with auto-aligning feature, integral laser for rapid initial alignment and single prism. Up to 2 additional detector heads can be added to the controller.
- Automatically compensates for building movement and contamination
- Distance max 50m (basic version with single prism)
- Up to 2 detectors can be connected to one controller.
- Maximum angle tolerance for prism installation: +/- 5°
- Maximum auto-aligning of detector (e.g. to compensate for building movements): +/- 3,5°

Technical specifications

Range	8 - 50m
Operating voltage	14-36 V DC
Quiescent current	6 mA (at 24 V DC)
Alarm current	100 mA (at 24 V DC)
Operating temperature	-10 °C to +55 °C
IP rate	IP 54
Humidity	max. 93 %*
Dimensions Controller	202 x 230 x 87mm (WxHxD)
Dimensions Detector	134 x 131 x 134 mm (WxHxD)

Certifications

VdS-No.	G 208017
EC-Certificate	0832-CPD-0565

Variations in condensation*

B05571-00

988,00

FIRERAY 5000 auto-aligning Beam Detector with Remote Control Unit, distance from 8m to 100m


- The high performance Auto-Aligning Beam Detector comprises ground level controller, detector head with auto-aligning feature, integral laser for rapid initial alignment and four prisms. Up to 2 additional detector heads can be added to the controller.
- Automatically compensates for building movement and contamination
- Distance max 100m (extended version – 4 prisms)
- Up to 2 detectors can be connected to one controller.
- Maximum angle tolerance for prism installation: +/- 5°
- Maximum auto-aligning of detector (e.g. to compensate for building movements): +/- 3,5°

Technical specifications

Range	8 - 100m
Operating voltage	14-36 V DC
Quiescent current	6 mA (at 24 V DC)
Alarm current	100 mA (at 24 V DC)
Operating temperature	-10 °C to +55 °C
IP rate	IP 54
Humidity	max. 93 %*
Dimensions Controller	202 x 230 x 87mm (WxHxD)
Dimensions Detector	134 x 131 x 134 mm (WxHxD)

Certifications

VdS-No.	G 208017
EC-Certificate	0832-CPD-0565

Variations in condensation*

Order No.	Unit price	Description
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B05575-00 620,00 Additional Detector with single prism reflector for B05570-00, max distance 50m



- Please note: Ground level controller quiescent current with two detectors: 8,5 mA

Certifications	
VdS-No.	G 208017
EC-Certificate	0832-CPD-0565

B05576-00 804,00 Additional Detector with four prism reflectors for B05571-00, max distance 100m



- Please note: Ground level controller quiescent current with two detectors: 8,5 mA

Certifications	
VdS-No.	G 208017
EC-Certificate	0832-CPD-0565

B05578-00 198,00 Universal Bracket for flexible positioning of the detector head resp. of the prisms plates



- Suitable for FIRERAY 5000 Systems and F50/100R

B05578-01 104,00 Prism Plate for 1 Fireray prism reflector for use with universal mount B05578-00

B05578-02 116,00 Priam Plate for 4 Fireray prism reflector for use with universal mount B05578-00

Order No.	Unit price	Description
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B05578-30

370,00

Heater Bracket for Fireray 5000 (B05570-00 bis B05576-00)

- For use of Fireray 5000 in humid or cold environments

**Technical specifications**

Operating voltage	24V AC / DC
Power consumption	20 W
Start-up/Standby current	3A / 0,8A
Operating temperature	-10 °C to +45 °C
Weight	320 g

5

B05578-18

67,80

FireRay Detector Cage

- For the FIRERAY 3000 and 5000
- Protects the detector from vandalism or e.g. against ball-throwing

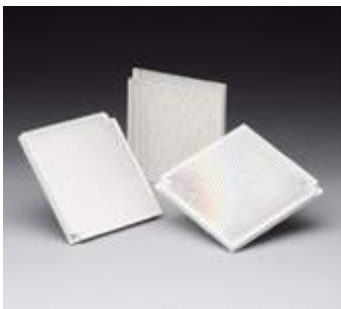


B05579-00

188,00

Long Range Kit for B05570-00, max distance 100m

- Comprises three additional reflective prisms



Order No.	Unit price	Description
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B05580-00

680,00

FIRERAY 50R, Beam Detector with reflector, distance from 5m to 50m

- Consisting of detector head, 1 reflector and test filter.
- Microprocessor controlled
- Range: 5 to 50 Meter
- Unique and new matching process
- Selectable Alarm level
- Less power consumption
- Memorized Alarm or automatic Reset
- Automatic compensation of pollution

Technical specifications

Range	5 - 50 m
Operating voltage	10,2 - 30 V DC
Quiescent current	max. 4 mA (24 V DC)
Alarm current	max. 15 mA (24 V DC)
Operating temperature	-20 °C to +55 °C
Operating temperature (EN54)	-10 °C to +55 °C
Humidity	max. 90 %*
Dimensions (WxHxD)	126 x 210 x 120mm
Weight	670g

Certifications

VdS-No.	G 203070
EC-Certificate	0786-CPD-20045

Variations in condensation*

B05581-00

899,00

FIRERAY 100R, Beam Detector with reflector, distance from 50m to 100m

- Consisting of detector head, 4 reflector and test filter.
- Microprocessor controlled
- Range: 50 to 100 Meter
- Unique and new matching process
- Selectable Alarm level
- Less power consumption
- Memorized ALARM or automatic RESET
- Automatic compensation of pollution

Technical specifications

Range	50 - 100 m
Operating voltage	10,2-30 V DC
Quiescent current	max. 4 mA (24 V DC)
Alarm current	max. 15 mA (24 V DC)
Operating temperature	-20 °C to +55 °C
Operating temperature (EN54)	-10 °C to +55 °C
Humidity	max. 90 %*
Dimensions (WxHxD)	126 x 210 x 120 mm
Weight	G 203070

Certifications

VdS-No.	G 203070
EC-Certificate	0786-CPD-20045

Variations in condensation*

Order No.	Unit price	Description
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B05582-00

670,00

Fireray One, Beam Detector with reflector, distance up to 50m

- Self-alignment via button press within one minute !!
- Easy and effortless one-man installation
- Unique new balancing procedure for building movements
- Compensation of strong sunlight and artificial light
- Selectable ALARM thresholds
- Automatic compensation of contamination
- Very low power consumption
- Alarm and fault relay to interface the FCP
- consisting of detector head and reflector

Technical specifications

Range	5 - 50m
	5 - 120m with „Long Range Kit“
Operating voltage	14 - 36V DC
Quiescent current	4 mA (24VDC)
Schnellausrichtung	33 mA (24V DC)
Durchgang für Lichtstrahl	1 m
Arbeitstemperatur	-20°C to +55°C
Humidity	0 to 93 % RH
Dimensions (WxHxD)	130x181x134 mm
Weight	0,7 kg plus reflector 0,1 kg

Certifications

VdS-No.	applied for VdS no. G218070
EC-Certificate	0832-CPR-F2237

B05587-00

182,00

Fireray One, „Long Range Kit“ - range extension, distance 120m

- consisting of 3 additional reflectors for B05582-00

B05588-18

82,50

Protective basket for the FIRERAY One

- Protection against e.g. vandalism or ball throw



Order No.	Unit price	Description
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B05590-00 1.079,00

FIRERAY 3000 System; End-to-End Infrared Optical Beam Smoke Detector



- Infrared End-to-End optical beam smoke detector (OBSD)
- Allows for 2 detectors per System Controller
- Range 5 to 120 meters, configurable per set of detectors
- Integral laser alignment in receiver
- 2-wire Interface between controller and receiver
- Separate fire and fault relays per detector
- Low level controller with LCD display
- Programmable sensitivity and Fire/Fault delay
- Automatic Gain Control (AGC) for drift compensation
- First fix concept for transmitter, receiver and controller
- Multiple cable gland knockouts for ease of wiring
- Transmitter can be powered from controller
- Protection class: IP54

Technical specifications	
Range	max 120m
Operating voltage	12 - 36 V DC
Current consumption Controller	14 mA
Quiescent current emitter	8 mA
Operating temperature	-20 °C to +55 °C
Operating temperature (EN54)	-10 °C to +55 °C
Humidity	max. 93 %*
Dimensions Controller	203 x 124 x 72mm (WxHxD)
Dimensions Detektor	78 x 77 x 161 mm (WxHxD)
Certifications	
VdS-No.	G 212034
EC-Certificate	0786-CPD-21162

Variations in condensation*

B05591-00 896,00

FIRERAY 3000 single Detector



- An extension for the FIRERAY 3000 system.
- This detector is a single beamer track and is able to link-up at an already present remote controller. (Distance max. 120m)
- Laser-adjustment at receiver
- Easifit quick mounting system
- Auto-Optimise, compensation of building movements and pollution
- One or two detectors operating per each controller
- Programmable sensibility and programmable Alarm-thresholds
- Two wire interfaces between system controller unit and receiver
- One relay for Alarm and one for fault events

Technical specifications	
Range	max 120m
Operating voltage	12 - 36 V DC
Quiescent current	8 mA
IP rating	IP 54
Operating temperature	-10°C to +55°C
Humidity	max. 93 %
Certifications	
VdS-No.	G 212034
EC-Certificate	0786-CPD-21162

Order No.	Unit price	Description
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B05592-00	166,00	Adjustment Bracket for FIRERAY 3000, FIRERAY 5000 and FIRERAY 50R / 100R
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- 360° rotation plus 180° degree adjustment

B05578-18	67,60	FireRay Detector Cage
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- For the FIRERAY 3000 and 5000
- Protects the detector from vandalism or e.g. against ball-throwing

B05598-30	372,00	Heater Bracket for Fireray 3000 (B05590-00, B05591-00)
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- For use of Fireray 5000 in humid or cold environments

Technical specifications	
Operating voltage	24V AC / DC
Power consumption	20 W
Start-up/Stand-by current	3A / 0,8A
Operating temperature	-10°C to +45°C
Weight	320 g

Linear Heat Detector ProReact EN, conventional

Order No.	Unit price	Description
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B05770-00

1.084,00

Linearer Wärmemelder ProReact EN (konventionell)



- a.P.-Gehäuse mit LCD-Anzeige
- separate Voralarm- und Alarmausgänge
- Überwachung des Sensorkabels auf Drahtbruch und Kurzschluss
- Mittels Ein- / Ausgabemodul kann das ProReact EN problemlos in einen Ringbus integriert werden.
- Der Abschluss des Sensorkabels geschieht mittels Abschlusselement (im Lieferumfang) enthalten
- Die Umgebungstemperaturkompensation behält die Genauigkeit der Alarmtemperatur bei.
- Das System kann auch nach einer Überhitzung oder einem Brand zurückgesetzt werden, wenn die Komponenten keinen Temperaturen ausgesetzt sind, die über der maximal wiederherstellbaren Temperatur liegen.

Technische Daten

Betriebsspannung	20VDC – 30VDC
Max. Stromverbrauch	2W
Stromaufnahme	31mA - 85mA
Länge Sensorkabel	max. 500m
Arbeitstemperatur	-20°C bis +50°C
Rel. Luftfeuchtigkeit	0% bis 95% (-20°- +30°C)
Relay-Ausgang	Alarm & Voralarm 2A @ 30Vdc
Störungs-Ausgang	Öffnerkontakt sowie Opto-isolated Ausgang
Abmessungen	182 x 180 x 90 mm (BxHxT)
Gewicht	860g
Schutzrate	IP65 (IK08)
Gehäuse	Polycarbonat
Fernreset	5-28VDC für mindestens 3 s
Zertifizierungen	
VdS-Nr.	G220006

B05781-00

628,00

Sensorkabel (rot) für ProReact, Basiskabel, 100m Rolle, staub- und wasserbeständig



- vollisoliert, vieradrig verdreht mit Folienschirm und Abschirmdraht
- 1 kV Isolationsprüfung
- PVC-Außenbeschichtung (rot)

Technische Daten

Durchmesser	4,83 mm +/- 0,2 mm
min. Biegeradius	60 mm
min. Sensorkabellänge	50m (Klasse A11/A21), 30m alle übrigen Alarminstellungen

B05781-25

1.568,00

Sensorkabel (rot) für ProReact, Basiskabel, 250m Rolle, staub- und wasserbeständig



- vollisoliert, vieradrig verdreht mit Folienschirm und Abschirmdraht
- 1 kV Isolationsprüfung
- PVC-Außenbeschichtung (rot)

Technische Daten

Durchmesser	4,83 mm +/- 0,2 mm
min. Biegeradius	60 mm
min. Sensorkabellänge	50m (Klasse A11/A21), 30m alle übrigen Alarminstellungen

Order No.	Unit price	Description
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B05781-50

3.130,00

Sensorkabel (rot) für ProReact, Basiskabel, 500m Rolle, staub- und wasserbeständig


- vollisoliert, vieradrig verdrillt mit Folienschirm und Abschirmdraht
- 1 kV Isolationsprüfung
- PVC-Außenbeschichtung (rot)

Technische Daten

Durchmesser	4,83 mm +/- 0,2 mm
min. Biegeradius	60 mm
min. Sensorkabellänge	50m (Klasse A11/A21), 30m alle übrigen Alarmeinstellungen

B05782-00

152,00

Verbindungsbox für ProReact Sensorkabel

5

B05785-00

145,00

Montagewinkel zur Deckenmontage für Sensorkabel ProReact, L-Form


- zur Einhaltung des erforderlichen Deckenabstandes gemäß Norm
- Abmessungen 50mm x 20mm
- verzinktes Stahlblech
- incl. Montageschutzhülle aus Silikon
- **Pack mit 100 Stück**

B05786-00

38,00

Hochtemperatur-Montageschutzhülle für Sensorkabel ProReact, Silikon


- zum Schutz des Sensorkabels vor mechanischer Beschädigung
- Vermeidung von Temperaturübertragung durch Montagewinkel
- Abmessungen 25mm x 6mm
- Temperaturbeständig bis 180°C
- **Pack mit 100 Stück**

B05787-00

19,00

Kabelbinder zur Befestigung des Sensorkabel ProReact


- Temperaturbeständig bis 110°C
- **Pack mit 100 Stück**

Linear Heat Detector Alarmline II, conventional

Order No.	Unit price	Description
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B05605-00

1.900,00

Linear Heat detector Alarmline II



- Combined evaluation set to EN54 standard classes A1, A2, B or C
- Programmable per laptop
- LEDs for alarm and fault condition
- Linear, consistent heat evaluation over the entire cable length
- Sensor cable connectable with a max of 500 m length
- Four wire core which detects temperature
- changes through continuous monitoring

Technical specifications

Operating voltage	20-28 V DC
Quiescent current	max. 70 mA (24V)
Alarm current	max. 80 mA (24V)
Fault current	max. 70 mA (24V)
Relay output	Pre alarm/alarm (2A, 30V)
Fault outputs	phototransistor (20mA, 50V)
Residual stress	20-28VDC (5 s)
Operating temperature	0°C to +50°C
Humidity	max. 95 %
Housing	ABS, RAL 7035
IP rating	IP 65
Dimensions (HxWxD)	180 x182 x 90 mm
Weight	804 g

Certifications

VdS & EN54-22 requested

B05606-00





2.330,00

Linear Heat detector Alarmline II





Technically identical to B05605-00 but:


- Displays on the device by LEDs and LC-Display
- Programmable per laptop and manual at the device

Order No.	Unit price	Description
B05625-00	10,60	Heat sensor cable (red), standard cable for Alarmline II <ul style="list-style-type: none"> ▪ Dust and water resistant ▪ Price per m
		
B05626-00	13,70	Heat sensor cable (black), with nylon surface for Alarmline II <ul style="list-style-type: none"> ▪ Resistant against acids ▪ Price per m
		
B05627-00	16,50	Heat sensor cable (polypropylene), for Alarmline II <ul style="list-style-type: none"> ▪ Base- and solvent resistant ▪ Price per m
		
B05628-00	33,40	Heat sensor cable (black) for Alarmline II <ul style="list-style-type: none"> ▪ Base- and solvent resistant ▪ Mechanically strong ▪ Price per m
		
End cap to close the sensor cable, inclusive at Alarmline II		
B05638-15	100,00	fastening base for sensor cable <ul style="list-style-type: none"> ▪ Packing Unit = 200 pcs.
B05638-16	40,00	Dowel clamp for fastening base <ul style="list-style-type: none"> ▪ Packing Unit = 200 pcs.

Addressable Linear Heat Cable "Listec"

Order No.	Unit price	Description																										
B05650-00	3.098,00	Control Unit SCU800/03 for heat sensor cable SEC15 <ul style="list-style-type: none"> Heat detector with rate of rise features as well as static features 2 x 250 m sensor cable connectable, for each cable max. 99 sensors Connectable either by relay contacts or via protocol of "Solution F1" panel Any heat sensor inside the cable is evaluated and indicated on the FCP when using software item B01361-00 Alarm thresholds programmable Cyclic polling (10s rhythm) of the sensors contained in the sensor cable 2 relay contacts for alarm (alarm 1+2), one relay contact for fault Temperature values of each heat sensors can be transmitted to the F1 panel (option) Aluminium housing 																										
																												
<table border="1"> <thead> <tr> <th colspan="2">Technical specifications</th> </tr> </thead> <tbody> <tr> <td>Operating voltage</td> <td>21-29V DC</td> </tr> <tr> <td>Quiescent current</td> <td>75 mA</td> </tr> <tr> <td>Accuracy of measurement</td> <td>0,1 °C</td> </tr> <tr> <td>Operating temperature</td> <td>-10°C to +60°C</td> </tr> <tr> <td>Humidity</td> <td>max. 95 %</td> </tr> <tr> <td>Interfaces</td> <td>RS232/RS485</td> </tr> <tr> <td>Relay outputs</td> <td>2x Alarm, 1x Fault</td> </tr> <tr> <td>Contact rating</td> <td>1A/24V DC</td> </tr> <tr> <td>Housing</td> <td>Aluminium</td> </tr> <tr> <td>Dimensions (HxWxD)</td> <td>260x150x90</td> </tr> <tr> <th colspan="2">Certifications</th> </tr> <tr> <td>VdS-No.</td> <td>G 205143</td> </tr> </tbody> </table>			Technical specifications		Operating voltage	21-29V DC	Quiescent current	75 mA	Accuracy of measurement	0,1 °C	Operating temperature	-10°C to +60°C	Humidity	max. 95 %	Interfaces	RS232/RS485	Relay outputs	2x Alarm, 1x Fault	Contact rating	1A/24V DC	Housing	Aluminium	Dimensions (HxWxD)	260x150x90	Certifications		VdS-No.	G 205143
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Certifications																												
VdS-No.	G 205143																											

B05653-00	2.350,00	Remote Display RDU 316 for the control unit SCU800/03 <ul style="list-style-type: none"> Displays alarm and other status events Connection via RS485 an SCU800/03 Can be combined with up to 31pcs SCU800/03 1.000m max. cable length to SCU800/03 												
														
<table border="1"> <thead> <tr> <th colspan="2">Technical specifications</th> </tr> </thead> <tbody> <tr> <td>Operating voltage</td> <td>10-30 VDC</td> </tr> <tr> <td>Current consumption</td> <td>42 mA</td> </tr> <tr> <td>IP rating</td> <td>IP 65</td> </tr> <tr> <td>Cable length to SCU800/03</td> <td>max. 1.000m</td> </tr> <tr> <td>Dimensions (WxHxD)</td> <td>114 x 144 x 60 mm</td> </tr> </tbody> </table>			Technical specifications		Operating voltage	10-30 VDC	Current consumption	42 mA	IP rating	IP 65	Cable length to SCU800/03	max. 1.000m	Dimensions (WxHxD)	114 x 144 x 60 mm
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Operating voltage	10-30 VDC													
Current consumption	42 mA													
IP rating	IP 65													
Cable length to SCU800/03	max. 1.000m													
Dimensions (WxHxD)	114 x 144 x 60 mm													

B05654-00	506,00	Connection Box CBO5-SEC for connecting 1 or 2 pcs. of heat cable SEC15 <ul style="list-style-type: none"> Has to be used in case the SEC15 cable cannot be connected to the SCU800 directly Incl. terminal module UCM 										
												
<table border="1"> <thead> <tr> <th colspan="2">Technical specifications</th> </tr> </thead> <tbody> <tr> <td>IP rating</td> <td>IP 66</td> </tr> <tr> <td>Operating temperature</td> <td>-35°C to +75°C</td> </tr> <tr> <td>Dimensions (LxBxH)</td> <td>130 x 130 x 75 mm</td> </tr> <tr> <td>D. with fittings</td> <td>195 x 185 x 75 mm</td> </tr> </tbody> </table>			Technical specifications		IP rating	IP 66	Operating temperature	-35°C to +75°C	Dimensions (LxBxH)	130 x 130 x 75 mm	D. with fittings	195 x 185 x 75 mm
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Operating temperature	-35°C to +75°C											
Dimensions (LxBxH)	130 x 130 x 75 mm											
D. with fittings	195 x 185 x 75 mm											

Order No.	Unit price	Description
B05655-00	39,80	Heat Cable SEC15-05, price per m <ul style="list-style-type: none"> ▪ Inside the cable are temperature sensors, which announce in the case of fire to the evaluation unit ▪ Distance of sensors : 5m ▪ Cyclic polling (10s rhythm) of the sensors ▪ The cable can be used in environments of -40°C to +85°C (short term : up to +200°C)
		
B05655-01	41,80	Heat Cable SEC15-04, price per m <ul style="list-style-type: none"> ▪ Inside the cable are temperature sensors, which announce in the case of fire to the evaluation unit ▪ Distance of sensors : 4m ▪ Cyclic polling (10s rhythm) of the sensors ▪ The cable can be used in environments of -40°C to +85°C (short term : up to +200°C)
		
B05655-03	45,00	Heat Cable SEC15-03, price per m <ul style="list-style-type: none"> ▪ Inside the cable are temperature sensors, which announce in the case of fire to the evaluation unit ▪ Distance of sensors : 3m ▪ Cyclic polling (10s rhythm) of the sensors ▪ The cable can be used in environments of -40°C to +85°C (short term : up to +200°C)
		
B05658-00	7,20	End cap for termination of SEC15 cable

Order No.	Unit price	Description
B05660-01	114,00	Cable clamp CLIC 15 <ul style="list-style-type: none"> ▪ For sensor cable SEC15 ▪ Packing unit 100 pcs. ▪ Please have commercially available dowels and screws ready
B05663-00	79,80	Connection cable VK232-S8-PC03 for PC and evaluation unit SCU800 2.0, length 3m
B05663-20	10,60	Connection cable CC 15 per m <ul style="list-style-type: none"> ▪ Connecting cable 1x2x0,8, JE-H (ST) H E30, screened ▪ for one sensor cable SEC15 ▪ color red
B05665-00	260,00	Pre-assembly SECcon15 / 1 <ul style="list-style-type: none"> ▪ Pre-assembly of sensor cable SEC-15 ▪ with plug, 3-pin, and end cap
B05665-02	408,00	Pre-assembly SECcon15 / 2 <ul style="list-style-type: none"> ▪ Pre-assembly of sensor cable SEC-15 ▪ with plug, 3-pin, and end cap
B05666-00	3.930,00	Special crimping tool for assembling the SEC-15
B05666-99	98,00	Rental fee for crimping tool for assembling the sensor cable SEC15 <ul style="list-style-type: none"> ▪ Price per started week
B05667-00	36,80	Coupling with socket (3-pin) SECcon 15-C/f <ul style="list-style-type: none"> ▪ For connecting a connection cable CC 15 with pre-assembled cable SECcon 15-1 or SECcon 15-2
B05667-02	36,00	Coupling with socket (3-pin) SECcon 15-C/m <ul style="list-style-type: none"> ▪ For connecting a connection cable CC 15 with pre-assembled cable SECcon 15-1 or SECcon 15-2

Order No.	Unit price	Description
B05669-00	450,00	PC-Software to maintenance the Control Unit SCU800
B05670-00	298,00	License for extension for commissioning function
B05670-20	438,00	Necessary hardware for license B05670-00
B01361-00	720,00	„LIST“ protocol / interface for Fire Control Panel „Solution F1“ <ul style="list-style-type: none">▪ Serial interface / protocol to connect the linear heat cable system „Listec“ to the FCP „Solution F1-6“ and „Solution F1-18“ (see chapter 5)▪ All information incl. address and temperature of the addressable heat elements are passed to the F1 panels▪ Software for using the RS232 or RS485 interface of the „Solution F1“▪ Activation by special access code

Wireless System XPANDER, addressable

Order No.	Unit price	Description
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B06507-00

558,00

XPander Loop Interface



- The XPander Loop Interface Unit can monitor up to 31 XPander devices and report each device's status to an intelligent control panel.
- Translates radio signals from XPander detectors to the control panel
- Built in loop isolator
- Loop-powered.
- Maximum 5 Loop Interfaces per site

Technical specifications

Operating voltage	24 V DC
Quiescent current	15mA
Operating temperature	-10°C to +55°C
Rel. Humidity	max. 95%*
Colour	white
Dimensions (WxHxD)	130 x 185 x 45 mm
Weight	1100g
Housing material	ABS

Certifications

EC-certificate	0359-CPR-00223 (EN54-17/18/25)
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*No condensation or icing

B06500-00

282,00

XPander Optical Smoke Detector with Mounting Base



- The XPander Optical Smoke Detector works on the light scatter principle and is ideal for applications where slow-burning or smouldering fires are likely.
- Wireless
- Performs well in black and white smoke
- Bi-directional radio communications
- XPERT card addressing system
- Five year battery life using standard AA alkaline batteries (depending on use and environment)
- Protection class: IP 23D

Technical specifications

Operating voltage	3 V DC
Operating temperature	-10°C to +50°C
Rel. Humidity	max. 95%*
Colour	white
Dimensions (Ø x H)	105 x 75mm
Weight	500g (incl. base)
Housing material	Polycarbonat

Certifications

EC-certificate	0359-CPD-0012 (Detector)
EC-certificate	0359-CPD-0037 (Base)

*No condensation or icing

Order No.	Unit price	Description
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B06501-00

262,00

XPander Heat Detector A1R with Mounting Base

- The A1R Rate-of-Rise Detector has a fixed upper limit, but in addition, measures the rate of increase in temperature.
- Wireless
- Can be used in applications where smoke detectors are unsuitable
- Ideal for environments that are dirty or smoky under natural conditions
- CS detectors are ideal for use in the environments with rapid temperature fluctuations such as boiler rooms
- Bi-directional (monitored) radio platform
- Five year battery life using standard AA alkaline batteries (depending on use and environment)

Technical specifications

Operating voltage	3 V DC
Operating temperature	-10°C to +50°C
Rel. Humidity	max. 95%*
Colour	white
Dimensions (Ø x H)	105 x 80mm
Weight	400g (incl. base)
Housing material	Polycarbonat

Certifications

EC-certificate	0359-CPD-0010 (Detector)
EC-certificate	0359-CPD-0037 (Base)

*No condensation

B06502-00

368,00

XPander Multisensor (Optical/Heat) with Mounting Base

- The XPander Multisensor Detector contains an optical smoke sensor and a thermistor temperature sensor from which outputs are combined to give the final analogue value.
- Wireless
- Multisensor technology reduces false alarms
- Increased sensitivity to flaming fires
- XPERT card addressing system
- Five year battery life using standard AA alkaline batteries (depending on use and environment)
- Protection class: IP 23D

Technical specifications

Operating voltage	3 V DC
Operating temperature	-10°C to +50°C
Rel. Humidity	max. 95%*
Colour	white
Dimensions (Ø x H)	105 x 80mm
Weight	500g (incl. base)
Housing material	Polycarbonat

Certifications

EC-Certificate	0905-CPR-00699 (Detector)
EC-Certificate	0905-CPR-00037 (Base)

*No condensation or icing

Order No.	Unit price	Description
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B06508-00

426,00

XPander Sounder and Sounder Base

- Wireless
- Bi-directional (monitored) radio platform
- Choice of 32 selectable tones
- Audible self-test available
- Output is between 92 and 106dB(A) at 1m - dependent on tone setting
- 3x AA 1,5V and 3x C 1,5V. Typical Life Time: 3 years
- Protection class: IP21C

Technical specifications

Operating voltage	2,8-5V DC
Operating temperature	-10°C to +50°C
Colour	red

Certifications

EC-certificate	0359-CPD-0014 (Sounder)
EC-certificate	0359-CPD-0036 (Base)

*No condensation

B06510-00

505,00

XPander Sounder Visual Indicator and Sounder Base

- Wireless
- Bi-directional (monitored) radio platform
- Choice of 32 selectable tones
- Audible self-test available
- Output is between 92dB(A) and 106dB(A) at 1m-dependent on tone setting
- Protection class: IP21C

Technical specifications

Operating voltage	2,8-5V DC
Operating temperature	-10°C to +50°C
Colour	red

Certifications

EC-certificate	0359-CPD-0014 (Sounder)
EC-certificate	0359-CPD-0036 (Base)

*No condensation

B06504-00

283,00

XPander Manual Call Point, ABS, red with Mounting Base (single action)

- The XPander Manual Call Point is compliant with EN54:11. It is wireless and is powered by two independent packs of three AA alkaline batteries with a typical five year life time.
- XPERT addressing
- Resettable element
- Fast response reports an alarm in < 1s
- LED to indicate operation

Technical specifications

Operating voltage	3 V DC
Operating temperature	-10°C to +50°C
Rel. Humidity	max. 95%*
Colour	red
Dimensions (LxBxH)	89 x 93 x 27mm
Weight	151g (incl. base)
Housing material	ABS

Certifications

EC-certificate	0359-CPD-0021 (Detector)
EC-certificate	0359-CPD-0033 (Base)

*No condensation

Order No.	Unit price	Description
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B06512-00

356,00

XPander Input/Output Unit

- The XPander Input/Output Unit is a radio based interface and offers two monitored input circuits and two relay outputs. It can be used for controlling fire doors, fire dampers, smoke vents and other fire engineering applications.
- Wireless
- Monitored switch circuit
- Voltage-free contacts
- Capable of switching up to 30V at 1A
- Five year battery life using standard AA alkaline batteries

Technical specifications

Operating voltage	2,8-5V DC
Operating temperature	-10°C to +50°C
Colour	grey

Certifications

EC-certificate	0359-CPD-0024 (Interface)
EC-certificate	0359-CPD-0035 (Funksocket)

*No condensation

B06512-00

443,00

XPander Input/Output Unit, 2 Channel

- Like before but with 2 inputs and 2 outputs

B06515-00

654,00

XPander Survey Tool

6 Fire Brigade Control Panels / Mimic Panels

Fire Brigade Components	180
Key Deposit Box SD-04.2	182
Modular mounting column for Key Deposit Box	183
Mimic Panels	184
Accessories for Mimic Panels	186

Fire Brigade Components

Order No.	Unit price	Description
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B08000-00

278,80

Fire Brigade Control Panel, according to German standard DIN 14661/2011-02



- Universal Fire Brigade Control Panel to connect directly to the "Solution F1" Fire Control Panel
- According to DIN standard 14661/08-01
- Easy and quick installation and wiring
- Flat cable connection to "FAT" B08010-00

Technical specifications

Operating voltage	20,4 to 29,6 V DC
Quiescent current	3 mA
Alarm current	9 mA
Outputs	N/O, 0 V active
IP rating	IP 30
Operating temperature	0°C to +50°C
Dimensions (WxHxD)	240 x 180 x 57 mm
Colour	RAL 7032

Certifications

VdS-No.	G 205138
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B08010-00

716,00

Fire Brigade LCD Repeater Panel (FAT) according to German standard DIN 14662/2010-01, redundant version



- Incl. graphics LCD module 128 x 64 dots to display alarm and fault messages
- Incl. buzzer
- Incl. push buttons for message scrolling, switching off the buzzer and to choose the kind of displayed messages
- Redundant interface to Fire Control Panel and redundant wiring terminals for highest possible fail safe technology
- Up to 63 LCD Repeater Panels connectable at one "Solution F1" Fire Control Panel
- No configuration necessary because data are transmitted from the CIE
- Several LEDs for "In Operation", "Alarm", "Fault", "Disabling"
- Prepared for security key lock

Technical specifications

Operating voltage	21 - 28 V DC
Quiescent current	37,3 mA
Alarm current	65,1 mA
Interface	RS-485, redundant
Max. distance to FCP	1.200 m
Colour	RAL 7032
Dimensions (WxHxD)	240 x 180 x 57 mm

Certifications

VdS-No.	G 210128
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Order No.	Unit price	Description
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B08100-00

494,00

Fire Brigade Information System (FIS)

- Two-doors housing to keep the Fire Brigade Control Panel, the Fire Brigade LCD Repeater panel and a Manual Call Point
- Additional space for documents behind the right door
- Red steel housing for wall mounting
- Both doors locked by individual lockers (PHC and CL1), PHC lock not included
- Easy and quick installation and attractive solution to keep the above mentioned components

Technical specifications

Colour	RAL 3020
IP rating	IP 40
Dimensions (WxHxD)	700 x 510 x 100 mm

B08101-00

258,00

Flush mounting box for Fire Brigade Information System (FIS) B08100-00

- For flush mounting of the FIBS B08100-00
- Incl. frame to cover any gaps in the wall
- Easy and quick installation

Technical specifications

Colour	RAL 3020
Dimensions (WxHxD)	742 x 552 x 105 mm

Key Deposit Box SD-04.2

Order No.	Unit price	Description
-----------	------------	-------------

B08400-00

1.170,00

Automatic Key Deposit Box SD-04.2



- Key Deposit Box to keep safe the key of the protected building
- in case of a main alarm the outer door will be opened automatically by the Fire Control Panel; only Fire Brigade can open inner door with key for the building
- Stainless steel housing, w/o inner door (see below)
- flush mounting, incl. front frame
- delivered incl. internal heater

Technical specifications

Operating voltage	24 V DC
Alarm current	350 mA
Heater	240 mA
Material	Stainless steel
Dimensions (WxHxD)	224 x 225 x 127 mm (w/o frame)
Weight	9,6 kg

Certifications

VdS-No.	G 110093
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6

B08404-00

54,00

10m Extension Cable for SD-04.2



- to wire Key Deposit Box SD-04.2
- ready prepared for connecting

Technical specifications

Type of cable	LiYY 10 x 0,5
Length	10 m

B08405-00

120,00

Inner door for SD-04, version for profile cylinder locking



- delivered w/o locker

Technical specifications

Dimensions (HxWxD)	200 x 114 x 6 mm
Material	Stainless steel V2A
Profile cylinder	optional, in 35 mm length
Weight	1,20 kg

B08410-00

120,00

Inner door for SD-04, version for "Kruse" locking



- delivered w/o locker

Technical specifications

Dimensions (HxWxD)	200 x 114 x 6 mm
Material	Stainless steel V2A
Lock Dimensions	85 x 45 mm
Hole spacing	73 x 35 mm
Weight	1,00 kg

Modular mounting column for Key Deposit Box

Order No.	Unit price	Description
-----------	------------	-------------

B08430-00 **214,00** **Cover of modular mounting column**

- Forms the upper end of the mounting column



Technical specifications

Dimensions (WxHxD)	300 x 35 x 150 mm
Colour	Stainless steel 3 mm
Weight	2 kg

B08431-00 **560,00** **Key deposit module**

- To assemble the Key Deposit Box B08400-00 inside



Technical specifications

Dimensions (WxHxD)	300 x 310 x 150 mm
Colour	Stainless steel 3 mm
Weight	6,9 kg

B08432-00 **986,00** **Console of modular mounting column**

- Base of the modular mounting column
- To be fixed on concrete



Technical specifications

Dimensions (WxHxD)	300 x 750 x 150 mm
Colour	Stainless steel 3 mm
Weight	17,2 kg

B08433-00 **368,00** **Fixing Set for modular mounting column**

- Consisting of 4 chemical shear connectors M12 for fixing of the mounting plate on an existing foundation and 1,5m M20 metal tube according to the VdS conformal wiring



Technical specifications

Dimensions (WxHxD)	300 x 150 x 150 mm
Colour	Stainless steel 3 mm
Weight	4 kg

Mimic Panels

Order No.	Unit price	Description
-----------	------------	-------------

B09100-00 **1.048,00** **Mimic Panel 400 x 300 x 60 mm**



- surface material execution: LTFlex
- Standard version without electronics

Technical specifications

Dimensions (WxHxD)	400 x 300 x 60 mm
--------------------	-------------------

B09100-01 **1.090,00** **Mimic Panel 400 x 300 x 60 mm**



- surface material execution: anodized
- Standard version without electronics

Technical specifications

Dimensions (WxHxD)	400 x 300 x 60 mm
--------------------	-------------------

B09115-00 **1.840,00** **Mimic Panel 600 x 500 x 130 mm**



- surface material execution: LTFlex
- Standard version without electronics

Technical specifications

Dimensions (WxHxD)	600 x 500 x 130 mm
--------------------	--------------------

B09115-01 **1.950,00** **Mimic Panel 600 x 500 x 130 mm**



- surface material execution: anodized
- Standard version without electronics

Technical specifications

Dimensions (WxHxD)	600 x 500 x 130 mm
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Order No.	Unit price	Description
-----------	------------	-------------

B09120-00 2.320,00 Mimic Panel 800 x 600 x 60 mm



- surface material execution: LTFlex
- Standard version without electronics

Technical specifications	
Dimensions (WxHxD)	800 x 600 x 60 mm

B09125-00 2.480,00 Mimic Panel 800 x 600 x 130 mm



- surface material execution: LTFlex
- Standard version without electronics

Technical specifications	
Dimensions (WxHxD)	800 x 600 x 130 mm

B09126-00 3.300,00 Mimic Panel 1.000 x 800 x 130 mm



- surface material execution: LTFlex
- Standard version without electronics

Technical specifications	
Dimensions (WxHxD)	1000 x 800 x 130 mm

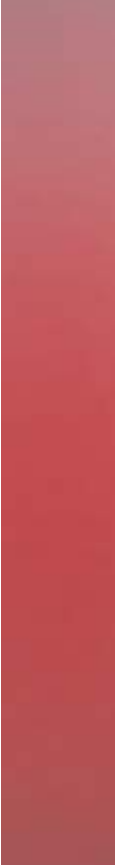
B09128-00 3.900,00 Mimic Panel 1.200 x 1.000 x 130 mm



- surface material execution: anodized
- Standard version without electronics

Technical specifications	
Dimensions (WxHxD)	1200 x 1000 x 130 mm

Other dimensions on request



Accessories for Mimic Panels

Order No.	Unit price	Description
B09130-00	16,80	LED for Mimic Panel, red <ul style="list-style-type: none"> ▪ LED in plastic housing, diameter 5 mm ▪ Well and safe fixed at the front plate ▪ Wired inside the mimic panel
		
B09130-01	16,80	LED for Mimic Panel, yellow <ul style="list-style-type: none"> ▪ LED in plastic housing, diameter 5 mm ▪ Well and safe fixed at the front plate ▪ Wired inside the mimic panel
		
B09130-02	16,80	LED for Mimic Panel, green <ul style="list-style-type: none"> ▪ LED in plastic housing, diameter 5 mm ▪ Well and safe fixed at the front plate ▪ Wired inside the mimic panel
		
B09130-03	16,80	LED for Mimic Panel, blue <ul style="list-style-type: none"> ▪ LED in plastic housing, diameter 5 mm ▪ Well and safe fixed at the front plate ▪ Wired inside the mimic panel
		
B09130-04	16,80	LED for Mimic Panel, white <ul style="list-style-type: none"> ▪ LED in plastic housing, diameter 5 mm ▪ Well and safe fixed at the front plate ▪ Wired inside the mimic panel
		

Pictures of LEDs similar to originals.

Order No.	Unit price	Description
B09150-00	75,00	Flush mounting adapter <ul style="list-style-type: none">▪ Masking frame 15 mm, aluminium
B09155-00	148,00	Rotatable Front Plate for Mimic Panels <ul style="list-style-type: none">▪ hinges lying inside, from the outside not visibly
B09160-00	138,00	Preparation for mounting of a locking cylinder
B09165-00	120,00	Standard Locker for Mimic Panels <ul style="list-style-type: none">▪ For opening and closing of the mimic panels by a security locker
B09190-00	59,00	Electronics for Lamp Test function <ul style="list-style-type: none">▪ Incl. mounting and wiring

Order No.	Unit price	Description
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B09210-00**322,00****CPU for LED Driver PCBs**

- CPU for LED PCB B09215-00 or for zone indication PCB B01220-00 (chapter 1)
- Up to 4 LED PCBs B09215-00 or 3 LED PCBs B01220-00 can be connected at one CPU
- Integrated buzzer
- Connection to FCP by integrated RS485 interface
- Redundant RS485 interface
- 3 programmable OC outputs
- 1 programmable relay output
- 4 programmable inputs
- Programmable by NSC configuration software

Technical specifications

Operating voltage	24V DC
Quiescent current	34 mA
Interface to FCP	RS-485
Cable length to FCP	max. 1.200 m
Programming via	USB-Interface
Dimensions (DxWxH)	140 x 80 x 25 mm
Weight	80 g

6**B09215-00****184,80****LED Driver PCB for 40 LEDs**

- LED driver PCB with 40 LED outputs
- Connecting of up to 3 further LED PCBs
- Led outputs available on terminal block and flat cable
- Installation on rear wall of the mimic panel

Technical specifications

Operating voltage	by CPU B09210-00
Quiescent current	2 mA
Max. Current consumption	23 mA (while test of 40 LEDs)
Outputs	40 Stk. Anode/Cathode for LEDs (no resistor necessary)
Dimensions (DxWxH)	140 x 80 x 25 mm
Weight	100 g

Order No.	Unit price	Description
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B09220-00	268,00	Input-/Output Driver PCB, 20 O/C outputs, 16 inputs
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- Designed as extension of CPU B09210-00
- Provides 20 programmable Open Collector outputs and 16 programmable inputs
- up to 4 pcs. B09220-00 at one CPU B09210-00
- easy wiring because of snap-in connectors (no screws)

Technical specifications	
Operating voltage	by CPU B09210-00
Quiescent current	6.1 mA
Max. Current consumption	9.9 mA
Outputs	open collector, low active
Dimensions (DxWxH)	140 x 90 x 25 mm
Weight	100 g



7

**10 years warrenty
on all Apollo products**

7 Sounders and Strobes

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Conventional Sounders

Order No.	Unit price	Description
-----------	------------	-------------

B07003-00

29,60

Multiple tone sounder „SONOS“, red, 32 tones, max.106dB(A)@1m



- Low current multiple tone sounder with performance technology
- High sound output, max. 106 dB(A)
- High protected by IP rating 54 (with wet base IP 65)
- Adjustable sound output
- 32 different tones selectable by DIL-switch
- Automatic synchronisation of simultaneously activated sounders
- Incl. shallow mounting base

Technical specifications

Operating voltage	9 - 60 V DC
Current consumption	6-35 mA (24V)
Sound output	max. 106dB(A) @1m
Tones	32
IP rating	IP 21 (with wet base IP 65)
Operating temperature	-25 °C to +75 °C
Colour	red, RAL 3000
Dimensions	100 x 81 mm (D x H)

Certifications

VdS-No.	G 210098
EC certificate	0832-CPD-0298

7

B07003-01

29,60

Multiple tone sounder „SONOS“, white, 32 tones, max.106dB(A)@1m



- Low current multiple tone sounder with performance technology
- High sound output, max. 106 dB(A)
- High protected by IP rating 54 (with wet base IP 65)
- Adjustable sound output
- 32 different tones selectable by DIL-switch
- Automatic synchronisation of simultaneously activated sounders
- Incl. shallow mounting base

Technical specifications

Operating voltage	9 - 60 V DC
Current consumption	6-35 mA (24V)
Sound output	max. 106dB(A) @1m
Tones	32
IP rating	IP 21 (with wet base IP 65)
Operating temperature	-25 °C to +75 °C
Colour	white, RAL 9010
Dimensions	100 x 81 mm (D x H)

Certifications

VdS-No.	G 210098
EC certificate	0832-CPD-0298

Order No.	Unit price	Description
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B07090-00

5,40

Wet Base (U-Base), red, for IP rating 65

- For use with sounder "RoLP" & Solex strobes
- Increases IP rating to IP 65

**Technical specifications**

Colour	red, RAL 3000
Dimensions	93 x 35 mm (D x T)

B07090-01

5,40

Wet Base (U-Base), white, for IP rating 65

- For use with sounder "RoLP" & Solex strobes
- Increases IP rating to IP 65

**Technical specifications**

Colour	white, RAL 9010
Dimensions	93 x 35 mm (D x T)

B07091-00

11,20

Wet Base ("SONOS"), red, for IP rating 65

- For use with "SONOS" range
- Increases IP rating to IP 65

**Technical specifications**

Colour	red, RAL 3000
Dimensions	100 x 45 mm (D x T)

B07091-01

11,20

Wet Base ("SONOS"), white, for IP rating 65

- For use with "SONOS" range
- Increases IP rating to IP 65

**Technical specifications**

Colour	white, RAL 9010
Dimensions	100 x 45 mm (D x T)

Order No.	Unit price	Description
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B07005-00

38,40

Multiple tone sounder "RoLP", red, 32 tones, max.112dB(A)@1m

- Low current multiple tone sounder with performance technology
- Very high sound output, max. 112 dB(A)
- High protected by IP rating 54 (with wet base IP 65)
- The volume can be reduced by potentiometer
- 32 different tones adjustable by DIL-switch
- Automatic synchronisation of simultaneously activated sounders

Technical specifications

Operating voltage	18 - 28 V DC
Current consumption	5 - 32 mA (dep. on tone) (24V)
Sound output	max. 112dB(A) @1m
Tones	32
Frequency range	500 - 2850 Hz
IP rating	IP54
Operating temperature	-25°C to +70 °C
Colour	red, RAL 3000
Dimensions	93 x 75 mm (D x H)

Certifications

VdS-No.	G 206019
EC certificate	0832-CPD-0128

B07005-20

42,00

Multiple tone sounder "RoLP", red, incl. wet base "U-Base"

- as above (B07005-00) but
- **IP rating: IP65**

Certifications

VdS-No.	G 206019
EC certificate	0832-CPD-0128

B07005-01

38,40

Multiple tone sounder "RoLP", white

as above (B07005-00) but

- white, RAL 9010

**Certifications**

VdS-No.	G 206019
EC certificate	0832-CPD-0128

B07005-21

42,80

Multiple tone sounder "RoLP", white, incl. wet base "U-Base"

- as above (B07005-01) but
- **IP rating: IP65**

Certifications

VdS-No.	G 206019
EC certificate	0832-CPD-0128

Order No.	Unit price	Description
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B07015-00

49,60

Conventional Base Sounder SQG3, white

picture with cover B07015-05

- The ultra slim profile provides an unobtrusive sounder installation when combined with a smoke or heat detector.
- Alternative the sounder can be used with blank cover as a stand-alone device
- 32 different tones adjustable by DIL-switch
- High protected by IP rating 54
- Automatic synchronisation of simultaneously activated sounders
- Reduced installation costs

Technical specifications	
Operating voltage	18 - 28 V DC
Current consumption	5 mA (Tone 3, 24VDC)
Sound output	90 dB(A)
Tone	8
IP rating	IP21C
Operating temperature	-10°C to +55°C
Colour	white
Weight	160 g
Dimensions	112 x 30 mm (D x H)
Certifications	
VdS-No.	G 211012
EC certificate	0832-CPR-0139

B07015-05

6,80

Cover for Conventional Base Sounder SQG3, white

B07020-00

97,00

High Output sounder Symphoni, red, 32 tones, max. 120 dB(A)

- Very high sound output, max. 120 dB(A)
- The volume can be reduced by potentiometer
- 32 different tones adjustable by DIL-switch
- Automatic synchronisation of simultaneously activated sounders

Technical specifications	
Operating voltage	9 - 28 V DC
Current consumption	230-290 mA, 24V (dep. on tone)
Sound output	max. 120 dB
Tone	32
Frequency range	500 - 2850 Hz
IP rating	IP 42
Operating temperature	-25°C to +55°C
Colour	red
Dimensions	108 x 108 x 96 mm (WxHxD)
Certifications	
VdS-No.	G 206027
EC certificate	0832-CPR-0141

Order No.	Unit price	Description
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B07020-02

97,00

High Output sounder Symphoni, white, 32 tones, max. 120 dB(A)

- Very high sound output, max. 120 dB(A)
- The volume can be reduced by potentiometer
- 32 different tones adjustable by DIL-switch
- Automatic synchronisation of simultaneously activated sounders

**Technical specifications**

Operating voltage	9 - 28 V DC
Current consumption	230-290 mA, 24V (dep. on tone)
Sound output	max. 120 dB(A)
Tone	32
Frequency range	500 - 2850 Hz
IP rating	IP 42
Operating temperature	-25°C to +55°C
Colour	white
Dimensions	109x109x95 mm (WxHxD)

Certifications

VdS-No.	G 206027
EC certificate	0832-CPR-0141

B07020-01

158,00

High Output sounder Symphoni, red, waterproof IP66, 32 tones, max. 120 dB(A)

As above (B07020-00) but

- red
- IP rate 66

**Technical specifications**

Dimensions	110x110x105 mm (WxHxD)
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B07025-00

45,00

Alarm Bell, 6", red

- High sound output
- Low current consumption
- Robust and reliable
- Quick and easy installation


**Technical specifications**


Operating voltage	20 - 28 V DC
Current consumption	25 mA (24V)
Sound output	95 dB
IP rating	IP 21C
Colour	red
Housing	steel
Dimensions	152 x 63 mm (DxH)


Certifications


EC certificate	0832-CPD-0134
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Conventional Beacons





Order No.	Unit price	Description																								
B07200-00	49,60	Beacon "Solex" red lens/red base, VdS approved acc. to EN54-3 <ul style="list-style-type: none"> Small powerful strobe with red lens cover and red mounting base Innovative beacons carefully control their power requirements to avoid the surge problems caused by conventional beacons High efficiency light emission Can be mounted on conventional base sounder High protected IP rating with wet base B07090-00 (IP 65) 																								
																										
<table border="1"> <thead> <tr> <th colspan="2">Technical specifications</th> </tr> </thead> <tbody> <tr> <td>Operating voltage</td> <td>10 - 60 V DC</td> </tr> <tr> <td>Current consumption</td> <td>80 mA (24V DC)</td> </tr> <tr> <td>Flash power</td> <td>10 Cd</td> </tr> <tr> <td>Flash frequency</td> <td>1 Hz</td> </tr> <tr> <td>Operating temperature</td> <td>-25°C to +70°C</td> </tr> <tr> <td>IP rating</td> <td>IP 54</td> </tr> <tr> <td>Colour</td> <td>red, RAL 3000</td> </tr> <tr> <td>Dimensions</td> <td>93 x 63 mm (D x H)</td> </tr> <tr> <th colspan="2">Certifications</th> </tr> <tr> <td>VdS-No.</td> <td>G 207018</td> </tr> <tr> <td>EC certificate</td> <td>0832-CPD-0455</td> </tr> </tbody> </table>			Technical specifications		Operating voltage	10 - 60 V DC	Current consumption	80 mA (24V DC)	Flash power	10 Cd	Flash frequency	1 Hz	Operating temperature	-25°C to +70°C	IP rating	IP 54	Colour	red, RAL 3000	Dimensions	93 x 63 mm (D x H)	Certifications		VdS-No.	G 207018	EC certificate	0832-CPD-0455
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Dimensions	93 x 63 mm (D x H)																									
Certifications																										
VdS-No.	G 207018																									
EC certificate	0832-CPD-0455																									

B07200-01	49,60	Beacon "Solex" amber/white, VdS approved according to EN54-3 As above product B07200-00 but amber lens <ul style="list-style-type: none"> With base B07090-01 = IP rating: IP 65 				
						
<table border="1"> <thead> <tr> <th colspan="2">Certifications</th> </tr> </thead> <tbody> <tr> <td colspan="2">as above part no. B07200-00</td> </tr> </tbody> </table>			Certifications		as above part no. B07200-00	
Certifications						
as above part no. B07200-00						
NOTE: Beacon „Solex“ also with green (B07200-02), blue (B07200-03) and clear (B07200-04) lens available						

B07210-00	46,00	LED Beacon „SONOS“, red lens/red base <ul style="list-style-type: none"> LED strobe light in very elegant, graceful designed plastic housings (red lens, red base) Very low current consumption (5 mA) due to LED technology This enables the installer to use longer cables without any significant voltage drop Incl. shallow mounting base 																
																		
<table border="1"> <thead> <tr> <th colspan="2">Technical specifications</th> </tr> </thead> <tbody> <tr> <td>Operating voltage</td> <td>17 - 60 V DC</td> </tr> <tr> <td>Current consumption</td> <td>5 mA (24 VDC)</td> </tr> <tr> <td>Flash frequency</td> <td>1 Hz</td> </tr> <tr> <td>IP rating</td> <td>IP 21</td> </tr> <tr> <td>Colour of lens</td> <td>red</td> </tr> <tr> <td>Weight</td> <td>215 g</td> </tr> <tr> <td>Dimensions</td> <td>100 x 82 mm (D x H)</td> </tr> </tbody> </table>			Technical specifications		Operating voltage	17 - 60 V DC	Current consumption	5 mA (24 VDC)	Flash frequency	1 Hz	IP rating	IP 21	Colour of lens	red	Weight	215 g	Dimensions	100 x 82 mm (D x H)
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Flash frequency	1 Hz																	
IP rating	IP 21																	
Colour of lens	red																	
Weight	215 g																	
Dimensions	100 x 82 mm (D x H)																	

B07210-01	46,00	LED Beacon „SONOS“, amber/white As above product B07210-00 but amber lens
		

Conventional Beacons, approved according to EN54-23

Order No.	Unit price	Description																				
B07203-00	76,00	<p>Beacon "Solista LX Wall", red</p> <ul style="list-style-type: none"> New strobe with unique lens design that distributes red flashes to achieve the required illumination according to EN54-23 Available in a red or white body colour and with a shallow, deep base or U base Classification acc. to EN54-23 : "O"  <table border="1"> <thead> <tr> <th colspan="2">Technical specifications</th> </tr> </thead> <tbody> <tr> <td>Operating voltage</td> <td>9 - 60 V DC</td> </tr> <tr> <td>Current consumption</td> <td>10-25 mA (24V DC)</td> </tr> <tr> <td>Range</td> <td>2,4 – 7,5m</td> </tr> <tr> <td>Flash frequency</td> <td>0,5 Hz oder 1 Hz</td> </tr> <tr> <td>IP rating</td> <td>IP33C / IP65 U-base</td> </tr> <tr> <td>Dimensions</td> <td>93 x 38 mm (D x H)</td> </tr> <tr> <th colspan="2">Certifications</th> </tr> <tr> <td>VdS-No.</td> <td>G 214067</td> </tr> <tr> <td>EC certificate</td> <td>0333-CPR-075441</td> </tr> </tbody> </table>	Technical specifications		Operating voltage	9 - 60 V DC	Current consumption	10-25 mA (24V DC)	Range	2,4 – 7,5m	Flash frequency	0,5 Hz oder 1 Hz	IP rating	IP33C / IP65 U-base	Dimensions	93 x 38 mm (D x H)	Certifications		VdS-No.	G 214067	EC certificate	0333-CPR-075441
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Current consumption	10-25 mA (24V DC)																					
Range	2,4 – 7,5m																					
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VdS-No.	G 214067																					
EC certificate	0333-CPR-075441																					
B07203-01	76,00	<p>Beacon "Solista LX Wall", white</p> <ul style="list-style-type: none"> New strobe with unique lens design that distributes red flashes to achieve the required illumination according to EN54-23 Available in a red or white body colour and with a shallow, deep base or U base Classification acc. to EN54-23 : "O" Technical specifications like B07203-00  <table border="1"> <thead> <tr> <th colspan="2">Certifications</th> </tr> </thead> <tbody> <tr> <td>VdS-No.</td> <td>G 214067</td> </tr> <tr> <td>EC certificate</td> <td>0333-CPR-075441</td> </tr> </tbody> </table>	Certifications		VdS-No.	G 214067	EC certificate	0333-CPR-075441														
Certifications																						
VdS-No.	G 214067																					
EC certificate	0333-CPR-075441																					
B07205-00	84,00	<p>Beacon "Solista LX Ceiling", red</p> <ul style="list-style-type: none"> Classification acc. to EN54-23 : "C" for ceiling mounting Technical specifications like B07203-00  <table border="1"> <thead> <tr> <th colspan="2">Technical specifications</th> </tr> </thead> <tbody> <tr> <td>Range</td> <td>3 – 7,5m</td> </tr> <tr> <td>IP rating</td> <td>IP33C</td> </tr> <tr> <th colspan="2">Certifications</th> </tr> <tr> <td>VdS-No.</td> <td>G 214069</td> </tr> <tr> <td>EC certificate</td> <td>0333-CPR-075443</td> </tr> </tbody> </table>	Technical specifications		Range	3 – 7,5m	IP rating	IP33C	Certifications		VdS-No.	G 214069	EC certificate	0333-CPR-075443								
Technical specifications																						
Range	3 – 7,5m																					
IP rating	IP33C																					
Certifications																						
VdS-No.	G 214069																					
EC certificate	0333-CPR-075443																					
B07205-01	84,00	<p>Beacon "Solista LX Ceiling", white housing, red flash</p> <ul style="list-style-type: none"> for ceiling mounting red LED-flash, white housing Classification acc. to EN54-23 : C-3-7.5 Technical specifications like B07203-00  <table border="1"> <thead> <tr> <th colspan="2">Certifications</th> </tr> </thead> <tbody> <tr> <td>VdS-No.</td> <td>G 214069</td> </tr> <tr> <td>EC certificate</td> <td>0333-CPD-075441</td> </tr> </tbody> </table>	Certifications		VdS-No.	G 214069	EC certificate	0333-CPD-075441														
Certifications																						
VdS-No.	G 214069																					
EC certificate	0333-CPD-075441																					

Order No.	Unit price	Description
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B07220-00

106,00

Beacon FL40/D50/C (red), approved according to EN54-23 and VdS


- Ultra bright beacon, latest technologie
- Red lamp cap, red ABS housing
- **Classification acc. to EN54-23 : "O", "C" or "W"**
- Incl. mounting base

Technical specifications	
Operating voltage	24V DC +/- 10%
Current consumption	306 mA (24V DC)
Inst. Height ceiling	max. 3m (Range 6m)
Inst. Height wall	max. 2,4m (Range 2,7m)
Open installation	5m x 2,7m Range
Flash frequency	1 Hz
IP rating	IP65
Operating temperature	-25°C to +40°C
Dimensions	92x92x82mm (LxWxH)
Certifications	
VdS-No.	G 28714
EC certificate	0086-CPR-637384

B07220-01

106,00

Beacon FL40/D50/C (clear), approved according to EN54-23 and VdS


- Ultra bright beacon, latest technologie
- White lamp cap, red ABS housing
- **Classification acc. to EN54-23 : "O", "C" or "W"**
- Incl. mounting base

Technical specifications	
Operating voltage	24V DC +/- 10%
Current consumption	306 mA (24V DC)
Inst. Height ceiling	max. 9m (Range 12m)
Inst. Height wall	max. 3m (Range 9,5m)
Open installation	8,8m x 8,8m Range
Flash frequency	1 Hz
IP rating	IP65
Operating temperature	-25°C to +40°C
Dimensions	92x92x82mm (LxWxH)
Certifications	
VdS-No.	G28714
EC certificate	0086-CPR-637384

Order No.	Unit price	Description
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B07235-00

308,00

Beacon PY-X-M-10-SSM, approved according to EN54-23, red flash


- Ultra bright beacon, latest technologie
- red ABS housing, red flash
- Automatic synchronization
- **Classification acc. to EN54-23 : "O"**
- 4 different flash frequencies adjustable
- Delivery incl. surface-mounted housing

please take note of planning guide!

Technical specifications	
Operating voltage	10 - 60 V DC
Current consumption	464 mA (24V DC)
Installation height - ceiling	max. 7 m
Range - ceiling	max. 11,2 x 14 m
Installation height - wall	max. 5,6 m
Range - wall	max. 11,2 x 14 m
Flash frequency	0,1; 0,5; 0,75; 1 Hz
IP rating	IP66
Operating temperature	-40°C to +55°C
Weight	440 g
Dimensions	166 x 114 x 124 mm (LxWxH)
Certifications	
VdS-No.	G 216036
EC certificate	0786-CPR-21499

7

B07235-01

308,00

Beacon PY-X-M-10-SSM, approved according to EN54-23, white flash


- Ultra bright beacon, latest technologie
- red ABS housing, red flash
- Automatic synchronization
- **Classification acc. to EN54-23 : "O"**
- 4 different flash frequencies adjustable
- Delivery incl. surface-mounted housing

please take note of planning guide!

Technical specifications	
Operating voltage	10 - 60 V DC
Current consumption	464 mA (24V DC)
Installation height - ceiling	max. 10 m
Range - ceiling	Max. 18 x 22,5 m
Installation height - wall	max. 9 m
Range - wall	max. 18 x 22,5 m
Flash frequency	0,1; 0,5; 0,75; 1 Hz
IP rating	IP66
Operating temperature	-40°C to +55°C
Weight	440 g
Dimensions	166 x 114 x 124 mm (LxWxH)
Certifications	
VdS-No.	G 216036
EC certificate	0786-CPR-21499

Order No.	Unit price	Description
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B07450-00 428,00



Illuminated warning display / pictogram

- aluminum frame housing, natural matt, flat, for mounting on plaster indoors.
- Acrylic front glass with backlighting through red, super bright, energy-saving, fail-safe and maintenance-free LEDs.
- Label is only be seen in the active state.
- Back sided cable entries
- Label: „Trespassing prohibited - Extinguishing active“
- Change of the inscription possible on request

Technical specifications

Operating voltage	19 - 29 V DC
Schutzart	IP 40
Housing	anodised silver
Weight	1,3 kg
Dimensions (WxHxD)	310 x 150 x 27 mm

B07303-00 112,00



Combined conventional Sounder Beacon "RoLP LX Wall", red body, 32 tones, max. 102dB(A), approved according to EN54-23

- New strobe with unique lens design that distributes red flashes to achieve the required illumination according to EN54-23
- **For wall mounting – according To EN54-23: Classification: "W"**
- Sounder and Strobe individually controlled
- Adjustable sound output
- Automatic synchronisation of simultaneously activated sounders
- Incl. shallow mounting base

Technical specifications

Operating voltage	18 - 28 V DC
Current consumption	28-41 mA (24V DC)
Sound output	102 dB
Inst. Height wall	max. 2,4 m
Category	W-2,4-7,5
Range flash	7,5 m
Flash frequency	0,5 Hz or 1 Hz
Colour Housing/lens	red / red
Operating temperature	-25°C tp +70°C
IP rating	IP65
Dimensions	147x106x92 mm (HxWxT)
Certifications	
VdS-No.	G 214070
EC certificate	0333-CPR-075444

Order No.	Unit price	Description
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B07310-00

64,80

Combined conventional Sounder Beacon "SONOS", red, 32 tones, max. 106dB(A), VdS approved according to EN54-3



- LED strobe light and multi tone sounder in a very elegant, graceful designed plastic housings (red lens, red mounting base)
- Extremely low current consumption, but bright and high volume
- Sounder and Strobe individually controlled
- Adjustable sound output
- 32 different tones selectable by DIL-switch
- Automatic synchronisation of simultaneously activated sounders
- Incl. shallow mounting base

Technical specifications

Operating voltage	17 - 60 V DC
Current consumption	10-50 mA (24 VDC)
Sound output	max. 106 dBA (24 V)
Tones	32 - e.g. DIN, ISO8201
Flash frequency	1 Hz
IP rating	IP 21
Colour base/lens	red / red
Dimensions	100 x 82 mm (D x H)
Weight	215 g

Certifications

VdS-No.	G 210098
EC certificate	0832-CPR-0297

7

B07311-00

52,60

Combined conventional Sounder Beacon "SONOS", VdS approved according to EN54-3

as above (B07310-00) but

- white base / amber lens

Order No.	Unit price	Description
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B07315-00

114,00

Conventional sounder/visual combination „Sonos Pulse“ (RED), classified EN54-23, C-3-15, max. 97 dB (A)


- Sounder and visual alarm device for ceiling mounting
- VAD classification EN54-23, C-3-15
- Red housing, red flash
- Volume 94-97 db (A) depending on mode at 24V DC
- Mounting height max. 3m, light cone d=max. 15m
- EN 54-3 and 54-23 certified: „0“

Technical specifications

Operating voltage	17-60V DC
Current consumption	25mA (0,5 Hz) / 45mA (1 Hz)
Rel. Humidity	max. 95 %
Flash frequency	0,5 oder 1 Hz
Tones	32
IP rating	IP21 (B07091-00 for IP65)
Operating temperature	-10°C to +55°C
Weight	290g
Dimensions (DxH)	100 x 94 mm

Certifications

VdS-No.	G 214106
EC certificate	0832-CPR-F0008

B07315-01

114,00

Conventional sounder/visual combination „Sonos Pulse“ (WHT), classified EN54-23, C-3-15, max. 97 dB (A)


- Sounder and visual alarm device for ceiling mounting

like B07315-00, but:

- white housing, red flash
- Base for protection class IP65: B07091-01

B07230-00

618,00

PA X 1-05, PATROL flashing sounders max. 105 dB(A) / 5J


- safe; an incorrect installation is virtually impossible
- easy; significantly shorter assembly and installation times
- economical; extremely high efficiency and good penetration of acoustical obstacles significantly reduce the required number of sounders
- pre-wired sounder and light ex works
- corresponding light intensity available for every sound pressure level
- EN 54-3 and 54-23 certified! - Classification EN54-23: „0“

Technical specifications

Operating voltage	24V DC (18-30V)
Current consumption	315-365 mA
Rel. Humidity	90 %
Flash frequency	1 Hz = 60 flash/min.
Luminosity (DIN 5037)	50 cd
IP rating	IP 66 / II
Operating temperature	-40°C to +55°C
Dimensions (DxWxH)	80,6 x 109,5 x 172,4 mm

Certifications

VdS-No.	G 212188
EC certificate	0786-CPD-21219

Intrinsically Safe (I.S.) Sounder

Order No.	Unit price	Description
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B07500-00

378,00

Multiple tone sounder DB5, red, I.S., 26 tones, max. 103dB(A)



- High sound output, max. 103 dB(A)
- High protected by IP rating 65
- The volume can be reduced by potentiometer
- 32 different tones adjustable by DIL-switch
- Automatic synchronisation of simultaneously activated sounders

Technical specifications

Operating voltage	24V DC
Current consumption	14 mA (dep. on tone)
Sound output at 24VDC	max. 103 dB(A)
Tone	26
TEX-Classification	Ex II 1G & Ex 1 M1
IP rating	IP 65
Operating temperature	-20°C to +55°C
Colour	red , RAL 3000
Dimensions	90 x 102 mm (D x H)

Certifications

Baseefa-No.	BAS00ATEX1259
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B07510-00

766,00

I.S. Sounder DS 10 3G / 3D Sounder, 32 tones, max. 110dB(A)



- Appropriate for I.S. zones 2 and 22
 - Fulfilled the the requirements of DIN 33404, Part 3 „danger signal at workplaces“
 - The sounder DS 10 can be used for tough demands under industrial conditions and as universal alarms
 - 32 different tones available
 - High sound level, sturdy housing
 - Resistant to environmental influences and chemicals
 - 100% functionality at high voltage tolerances
- **Does not require an galvanic isolator**

Technical specifications

Operating voltage	24V DC
Current consumption	420 mA
sound level	110 dB (A)
IP rating	IP67
Tones	32
Current consumption	0,42 A
Operating temperature	-40°C to +55°C
Housing, material	Aluminium, die-cast
Cable entry	M20
Colour	similar to RAL 3000
Dimensions	133 x 119 x 133 mm (WxDxH)

Certifications

VdS-No.	G 28609
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Order No.	Unit price	Description
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B07530-00

458,00

Syrex I.S. Beacon, ATEX-approved, red housing

- Approved for zone 1
- ATEX approved
- II 1G EEx ia IIC T4
- 6 high intensity LEDs
- Material: ABS flame retardant UL94V0 & 5VA

Technical specifications

Operating voltage	6 - 28 V DC
Current consumption	25 mA (typ)
Flash frequency	1 or 2 Hz
IP rating	IP 65
Operating temperature	-40°C to +60°C
Colour	red RAL 3000
Dimensions	89 x 85 mm (D x H)

B07520-00

476,00

Galvanic Isolator for I.S. Sounder RO 32 I.S., 1 channel

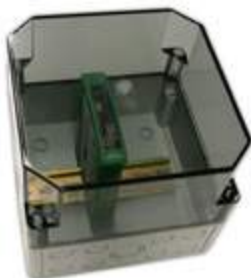
- Special design for I.S. Sounder B07500-00
- No earth connection necessary
- 24V DC (powered from the line)
- Current input/output : 0mA...40mA
- Line voltage : 4...35V DC
- To be mounted on DIN rail
- Ideal in housing B07550-00

Certifications

Baseefa-No.	BAS98ATEX7343
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B07550-00

110,00

Housing with IP rating 66 for galvanic isolators and loop modules

- Ideal for the above galvanic isolator as well as for the loop modules (chapter 2)
- **Space for 6 isolators / loop modules**
- High protected by IP rating 66
- Incl. DIN rail

Technical specifications

IP rating	IP 66
Dimensions	180 x 180 x 165 mm (WxHxD)

Voice Alarm Sounders

Order No.	Unit price	Description
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B07700-00

148,00

Voice Alarm Sounder, red, max. 100dB(A)



- The voice alarm sander combines the virtues of intelligible speech messaging with low current consumption.
- Very good speaking quality
- Totally 14 messages "on-board" – selectable by DIP switch (English & German language)
- High sound output max 100 dB(A)
- Automatic synchronisation of simultaneously activated sounders
- The volume can be adjusted by potentiometer

Technical specifications

Operating voltage	9 - 60 V DC
sound level	max. 100dB(A)
Current consumption (24V)	max. 14 mA
Housing	ABS, red
Operating temperature	-10°C to +55°C
IP rating	IP 21C
Weight	210 g
Dimensions	108 x 96 mm (D x H)

7

B07700-01

148,00

Voice Alarm Sounder, white, max. 100dB(A)



- The voice alarm sander combines the virtues of intelligible speech messaging with low current consumption.
- Very good speaking quality
- Totally 14 messages "on-board" – selectable by DIP switch (English & German language)
- High sound output max 100 dB(A)
- Automatic synchronisation of simultaneously activated sounders
- The volume can be adjusted by potentiometer

Technical specifications

Operating voltage	9 - 60 V DC
sound level	max. 100dB(A)
Current consumption (24V)	max. 14 mA
Housing	ABS, white
Operating temperature	-10°C to +55°C
IP rating	IP 21C
Weight	210 g
Dimensions	108 x 96 mm (D x H)

Addressable Alarm Devices

Order No.	Unit price	Description
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B07942-00

156,00

Discovery Open-Area Sounder Visual Indicator (optical/acoustical), red



- The Discovery Open-Area Sounder Visual Indicator makes full use of the Discovery protocol and has been designed for use in indoor and open areas. When the fire system is being commissioned, a 'Magnetic Wand' can be used to adjust and test each sounder locally.
- 15 tone pairs. 7 volume levels up to 100db(A)
- Individual control of the sounder and visual indicator
- Volume and tone settings can be selected from the control panel
- 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
- Group and global control for increased response time
- IP66, red flashing

Technical specifications

Operating voltage	17 - 28 V DC
Quiescent current	450 µA
Alarm current	max. 8 mA (opt.+ac.)
Operating temperature	-20°C to +60°C
Rel. Humidity	max. 95%*
Housing	Polycarbonat
Colour	red
Dimensions (Ø x H)	98 x 104mm (with base)
Weight	75 g (135 g with base)

Certifications

EC-certificate	0832-CPR-F1474
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*No condensation or icing

B07942-01

163,50

Discovery Open-Area Sounder Visual Indicator (optical/acoustical), white



- As before but transparent/white version (red flashing)

Certifications

EC-certificate	0832-CPR-F1474
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Order No.	Unit price	Description
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B07958-00

184,00

**Multi-Tone Open-Area Sounder Visual Indicator
(optical/acoustical), red**
*vds approved*

- The Multi-Tone Open-Area Sounder Visual Indicator is designed for use in indoor open areas and can be connected to any Discovery or XP95 system. The sounder visual indicator complements Apollo's intelligent and integrated base sounders as well as the Multi-Tone Open-Area Sounder.
- Choice of tones on standard device: Apollo, Slow Whoop and DIN
- Two volume settings 92dB(A) and 100dB(A)
- Synchronisation of ,alert' and ,evacuate' tones
- Individual and group addressing
- Built-in isolator
- Protection class: IP21C

Technical specifications

Operating voltage	18 - 28 V DC
Quiescent current	330 µA
Alarm current	max. 9 mA (opt.+ac.)
Operating temperature	-10°C to +55°C*
Housing	ABS
Colour	red
Dimensions (LxBxH)	105 x 105 x 90mm
Weight	290g

Certifications

EC-certificate	0832-CPD-0590
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* No condensation or icing

B07958-01

212,50

**Multi-Tone Open-Area Sounder Visual Indicator
(optical/acoustical), white**


- as before but in white housing (red flashing)

Certifications

EC-certificate	0832-CPD-0590
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Order No.	Unit price	Description
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B07960-00

349,00

**Multi-Tone Open-Area Sounder Visual Indicator
(optical/acoustical), red, weatherproof**

*VDS approved*

- The Weatherproof Multi-Tone Open-Area Sounder Visual Indicator is designed for use in outdoor open areas and can be connected to any Discovery or XP95 system.
- The sounder visual indicator complements Apollo's intelligent and integrated base sounders as well as the Multi-Tone Open-Area Sounder.
- Choice of tones on standard device: Apollo, Slow Whoop, and DIN
- IP66 rated, red flashing
- Two Volume settings 92dB(A) and 100dB(A)
- Synchronisation of ,alert' and ,evacuate' tones
- Individual and group addressing
- Built-in isolator
- Protection class: IP66

Technical specifications

Operating voltage	18 - 28 V DC
Quiescent current	330 µA
Alarm current	max. 9 mA (opt.+ac.)
Operating temperature	-20°C to +70°C*
Housing	ABS
Colour	rot
Dimensions (LxBxH)	110 x 110 x 113mm
Weight	294 g
Certifications	
EC-certificate	0832-CPD-0592

*No condensation or icing

B07960-01

342,00

**Multi-Tone Open-Area Sounder Visual Indicator
(optical/acoustical), white, weatherproof**



- as before but in white housing (red flashing)

Certifications

EC-certificate	0832-CPD-0592
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Order No.	Unit price	Description
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B07962-00 **104,50** **Open-Area Visual Indicator, red**



- The Intelligent Open-Area Visual Indicator has been developed for use in situations where there is a risk that sounders will not be heard.
- For use with XP95 & Discovery systems
- Self-test fault monitoring
- IP65 rated, red flashing
- Individual and group addressing
- Synchronisation of flashes
- Comes with Isolating Base as standard
- Loop-powered
- Red and clear lens option

Technical specifications

Operating voltage	17 - 28 V DC
Quiescent current	333 µA
Alarm current	max. 3 mA
Operating temperature	-10°C to +55°C
Housing	Polycarbonat
Colour	red
Dimensions (Ø x H)	104mm x 98mm
Weight	205 g

7

B07962-01 **106,50** **Open-Area Visual Indicator, white**



- As before but white/transparent version (red flashing)

Order No.	Unit price	Description
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B07964-00 **86,00** **Open-Area Sounder, red**



VDS Approved

- The Intelligent Open-Area Sounder has been designed for use in open areas and can be connected to any Discovery or XP95 system.
- Self-test fault monitoring
- Choice of tones on standard device: Apollo, Slow Whoop and DIN
- Two volume settings 92dB(A) and 100dB(A)
- Synchronisation of tones
- Individual and group addressing
- Built-in isolator
- Red or white options
- Loop-powered
- IP65 rated

Technical specifications	
Operating voltage	17 - 28 V DC
Quiescent current	333 µA
Alarm current	max. 5 mA
Operating temperature	-10°C to +55°C
Housing	Polycarbonat
Colour	red
Dimensions (Ø x H)	104 x 98mm
Weight	225g
Certifications	
VdS-No.	G 212187
EC-certificate	0832-CPD-1050

B07964-01 **86,00** **Open-Area Sounder, white**



- As before but with white housing

Certifications	
VdS-No.	G 212187
EC-certificate	0832-CPD-1050

Addressable Alarm Bases

Order No.	Unit price	Description
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B07968-00

145,00

Discovery Sounder Visual Indicator Base with Isolator



For introduction of cables from the side please also select „Ceiling Plate“ B07980-00 (p. 215)

- The Discovery Sounder Visual Indicator Base makes full use of the Discovery protocol. For ease of commissioning a ‚Magnetic Wand‘ can be used to test and adjust each sounder locally.
- Individual control of the sounder and visual indicator
- Volume and tone settings can be selected from the control panel (e.g. DIN, Slow Whoop)
- Tones can be used for other purposes in addition to warning of fire, ideal for schools
- Enables soft start option, ideal for hospitals and nursing homes
- Loop powered
- flash colour: red
- Volume: 90+/- 3 dB(A) / 7 levels
- Integrated isolator
- Protection class: IP 21D
- Optional magnetic wand for Test + Setup

Technical specifications

Operating voltage	17 - 28 V DC
Quiescent current	450 µA
Alarm current	max. 8 mA
Operating temperature	-20°C to +60°C
Rel. Humidity	max. 95 %*
Housing	Polycarbonat
Colour	white
Dimensions (Ø x H)	115 x 30mm (mounted)
Certifications	
EC-certificate	0832-CPD-0872

*No condensation or icing

B07922-00

86,50

Discovery Sounder Base with Isolator



For introduction of cables from the side please also select „Ceiling Plate“ B07980-00 (p. 215)

- Discovery Sounder Base
- Programming of tone, loudness via FAP
- 15 evacuation tones + 15 secondary or alert tones
- Maximum SPL: 90 +/- 3 dB(A) (depending on selected tone)
- Software-defined group addressing
- Alarm switching by individual device, by group or of all devices on loop
- Set-up and testing of devices at point of installation
- Complies with NEN2575 and DIN33404
- Unique acoustic self test
- Built-in isolator with status information

Technical specifications

Operating voltage	17 - 28 V DC
Quiescent current	370 µA
Alarm current	max. 5,5 mA (24V)
Operating temperature	-20°C to +60°C
Rel. Humidity	max. 95 %*
Housing	Polycarbonat
Colour	white
Dimensions (Ø x H)	115 x 38mm
Weight	140g
Certifications	
VdS-No.	G 215029
EC-certificate	0832-CPR-F0465

*No condensation or icing

Order No.	Unit price	Description
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B07972-00 **82,00** **Visual Indicator Base with Isolator**



For introduction of cables from the side please also select „Ceiling Plate“ B07980-00 (p. 215)

- The Visual Indicator Base is a loop-powered visual indicator combined with a standard Intelligent Mounting Base.
- It is used to signal a fire alarm in enclosed areas. The visual indicator base can be used with either a detector fitted or with a cap as a stand-alone alarm device.
- Visual indicator flash rate of once per second
- Synchronisation of visual indicator flash
- flash colour: red
- Individual and group addressing
- Unique visual indicator self-test
- Built-in isolator
- Protection class: IP 21D

Technical specifications

Operating voltage	17 - 28 V DC
Quiescent current	300 µA
Alarm current	max. 3 mA
Operating temperature	-20°C to +60°C
Rel. Humidity	max. 95 %*
Housing	Polycarbonat
Colour	white
Dimensions (Ø x H)	115 x 31mm
Weight	109g

*No condensation

B07974-00 **78,50** **Integrated Base Sounder with Isolator**



picture with detector!

For introduction of cables from the side please also select „Ceiling Plate“ B07980-00 (p. 215)

- The Integrated Base Sounder comprises of a base sounder with integral mounting base and is for use with Discovery or XP95 ranges. It is designed for indoor use.
- Two tones
- Two volume ranges 55-75dB(A) and 75-91dB(A)
- Maximum SPL acc. to EN54: 83 dB(A) (depending on selected tone)
- Individual and group addressing
- Unique acoustic self-test
- Built-in isolator
- Protection class: IP 21D

Technical specifications

Operating voltage	17 - 28 V DC
Quiescent current	200 µA
Alarm current	max. 5 mA
Operating temperature	-20°C to +60°C*
Rel. Humidity	max. 95 %*
Housing	Polycarbonat
Colour	white
Dimensions (Ø x H)	115 x 38mm
Weight	140g

Certifications

VdS-No.	G 207009
EC-certificate	0832-CPD-0373

*No condensation

Order No.	Unit price	Description
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B07980-00 **4,30** **Ceiling Plate for Alarm Bases**

- The Sounder Ceiling Plate allows surface mounted cabling to be fitted to a loop-powered sounder base.



Technical specifications	
Dimensions (Ø x H)	115 x 12mm

B07990-01 **9,30** **White Cap for Base Alarm Devices**



Addressable Alarm Devices complying with EN54-23

Order No.	Unit price	Description
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B07928-01

94,00

**EN54-23 Loop Powered VAD, white flash, red housing,
Category: W**



Picture with standard
mounting base

- This VAD of the latest generation complies with the EN 54-23 regulation.
- Classification: W-2,4-6
- Wall mounting only, max. 2,4m height
- Flash rate of 0.5Hz
- Needs additional mounting base (please order B0275x-00/B02950-00 separately!)
- Protection class: IP54

Technical specifications

Operating voltage	17 - 28 V DC
Quiescent current	280 µA
Alarm current	16 mA
Operating temperature	-10°C to +55°C
Rel. Humidity	max. 95 %*
Colour	red
Dimensions (Ø x H)	100 x 56mm (with base)
Weight	105g

Certifications

VdS-No.	G217032
EC-certificate	0832-CPR-F0607

*No condensation

B07928-02

94,00

**EN54-23 Loop Powered VAD, white flash, red housing,
Category: C**



Picture with standard
mounting base

- This VAD of the latest generation complies with the EN 54-23 regulation.
- Classification: C-3-8,5
- Ceiling mounting only, max. 3m height
- Flash rate of 0.5Hz
- Needs additional mounting base (please order B0275x-00/B02950-00 separately!)
- Protection class: IP54

Technical specifications

Operating voltage	17 - 28 V DC
Quiescent current	280 µA
Alarm current	12 mA
Operating temperature	-10°C to +55°C
Rel. Humidity	max. 95 %*
Colour	red
Dimensions (Ø x H)	100 x 58mm (with base)
Weight	105g

Certifications

VdS-No.	G217033
EC-certificate	0832-CPR-F0608

*No condensation

Order No.	Unit price	Description
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B07928-04

94,00

**EN54-23 Loop Powered VAD, white flash, white housing,
Category: W**
Picture with standard
mounting base

- This VAD of the latest generation complies with the EN 54-23 regulation.
- Classification: W-2,4-6
- Wall mounting only, max. 2,4m height
- Flash rate of 0.5Hz
- Needs additional mounting base (please order B0275x-00/B02950-00 separately!)
- Protection class: IP54

Technical specifications

Operating voltage	17 - 28 V DC
Quiescent current	280 µA
Alarm current	16 mA
Operating temperature	-10°C to +55°C
Rel. Humidity	max. 95 %*
Colour	white
Dimensions (Ø x H)	100 x 56mm (with base)
Weight	105g

Certifications

VdS-No.	G217035
EC-certificate	0832-CPR-F0610

*No condensation

7

B07928-05

94,00

**EN54-23 Loop Powered VAD, white flash, white housing,
Category: C**
Picture with standard
mounting base

- This VAD of the latest generation complies with the EN 54-23 regulation.
- Classification: C-3-8,5
- Ceiling mounting only, max. 3m height
- Flash rate of 0.5Hz
- Needs additional mounting base (please order B0275x-00/B02950-00 separately!)
- Protection class: IP54

Technical specifications

Operating voltage	17 - 28 V DC
Quiescent current	280 µA
Alarm current	12 mA
Operating temperature	-10°C to +55°C
Rel. Humidity	max. 95 %*
Housing	Polycarbonat
Colour	white
Dimensions (Ø x H)	100 x 56mm (with base)
Weight	105g

Certifications

VdS-No.	G217036
EC-certificate	0832-CPR-F0611

*No condensation

Order No.	Unit price	Description
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B07920-00

195,00

Discovery Base Sounder Beacon acc. to EN54/23, with Isolator, white flash


For introduction of cables from the side please also select „Ceiling Plate“ B07980-00 (p. 215)

- The Discovery Sounder VAD Base makes full use of the Discovery protocol. For ease of commissioning a ‚Magnetic Wand‘ can be used to test and adjust each sounder VAD locally.
- EN54-23 certified (category “O”)
- Flash rate of 0.5Hz
- It is possible to set individual volume of the sounder from the panel
- 15 pairs of tones including IMO code 1A ‚General Emergency Alarm‘, IMO Code 2 ‚All Clear‘ and DIN-tone
- Built in isolator
- Protection class: IP21D

Technical specifications

Operating voltage	17 - 28 V DC
Quiescent current	500 µA
Alarm current	max. 14 mA
Operating temperature	-20°C to +60°C
Rel. Humidity	max. 95 %*
Housing	Polycarbonat
Colour	white
Dimensions (Ø x H)	115 x 38mm
Weight	168g

Certifications

EC-certificate	0832-CPR-F0457
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*No condensation

B07926-00

104,50

XP95 Base Beacon acc. to EN54/23, with Isolator, white flash


For introduction of cables from the side please also select „Ceiling Plate“ B07980-00 (p. 215)

- The XP95 VAD Base is a loop-powered VAD combined with a standard intelligent mounting base. It is used to signal a fire alarm in enclosed areas.
- EN54-23 approved (category: “O”)
- Flash rate of 0.5Hz
- Synchronisation of VAD flash
- Individual and group addressing
- Unique VAD self test
- Loop-powered
- Built in isolator
- Protection class: IP21C

Technical specifications

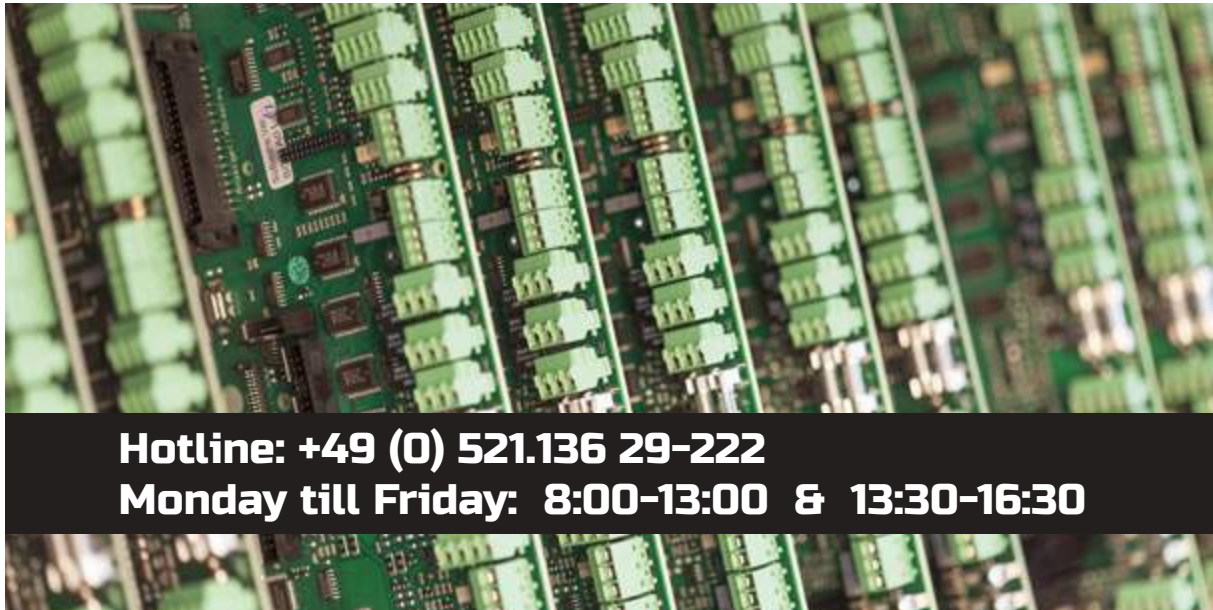
Operating voltage	17 - 28 V DC
Quiescent current	350 µA
Alarm current	max. 9 mA
Operating temperature	-20°C to +60°C
Rel. Humidity	max. 95 %*
Housing	Polycarbonat
Colour	white
Dimensions (Ø x H)	115 x 38mm
Weight	156g

Certifications

EC-certificate	0832-CPR-F0467
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*No condensation

Technical Support



In order to make your phone call to our hotline as efficient as possible, it is necessary to provide some information about the project in which the problem occurs:

Please keep your customer ID ready upon request.

We please you to have understanding that we can only provide our free technical service to our trained customers. The technical hotline is also not to be meant to receive orders.

- The calling technician should be on the spot to execute various tests which helps while fault diagnosis.
- To avoid any possibility of confusion the exact type designation and NSC part number should always be indicated.
- The current software version of the fire control panel as well as of the loop-card will be needed.
- Does the current version of the configuration software, control panel firmware and loop-card has been updated to the latest version?

If you are asked by our hotline to submit data for further analysis, we always need at least the diagnostic file (.NSD), the event memory (.ELG) with exact specification of the date and time or ideally the exact event number, as well as a precise fault description as possible, and the current programming (.NSC).

Please send your data to: support@nsc-sicherheit.de and please understand that we cannot care about undemanded sendings.

Spare Parts

Spare parts for Solution F2

Order no.	Description	Unit price
F40200-00	Power supply 70W for F2, 230 V AC / 28 V DC, 2,5A	136,00
F40205-00	Power supply 100W for F2, 230 V AC / 28 V DC, 3,5A	188,00
F20094-01	LED Display board (PCB) P094-02 for „Solution F2“	86,40
F03030-00	Key-pad (front fascia) of „Solution F2“ with protection film	122,00
F01045-00	Keyboard Mounting Plate for Solution F2, A-housing, version „NSC“	41,60
F01046-00	Keyboard Mounting Plate for Solution F2, B-housing, version „NSC“	56,00
F03050-00	Front Fascia for „Solution F2“ printer	29,40
F41000-00	LCD Display module, 240x64 dots (WG24064A-TFH-VZ #250)	159,00
F20031-03	Main Board P031-03, for „Solution F2“	699,00

Spare parts for Solution F1

Order no.	Description	Unit price
F40100-00	Mains filter 3A (single-phase radio interference suppression filter), acc. to EN 133200, U=230V	56,00
F40000-00	Transformer, toroidal core, 34VAC, 180VA (F1-6)	108,00
F40002-00	Transformer, toroidal core, 34VAC, 330VA (F1-18)	206,00
F20001-03	Power supply PCB F20001-03 / from 01/2011 onwards	524,00
F00022-00	Ribbon cable AWG28/20-core for F1-power supply / from 01/2011 onwards	10,20
F20030-00	Main Board P030 - Solution F1- 6	640,00
F20030-01	Main Board P030-05, fully equipped - Solution F1- 18	850,00
F20040-01	CPU-Board P040-02; standard version	468,00
F20040-11	CPU-Board P040-02; full redundant version	572,00
F03000-00	4U 19" Front Plate incl. Touch Front Fascia	372,00
F41000-00	LCD display module, 240x64 dots (WG24064A-TFH-VZ #250)	159,00
F20090-01	LED Display board (PCB) P090-04	153,00

Mainboard and CPU-Board are ordered always together

In most cases it is not necessary to replace the mains filter and the ring core transformer.

Spare parts for Fire Brigade Control Panel / LCD Repeater Panel

Order no.	Description	Unit price
F20151-01	PCB P151-01-B for FBF (B08000-00)	230,00
F20156-01	PCB P156-01-C, version 10-2010; for FAT (B08010-00)	596,00
F20156-02	PCB P156-02-B, version 04-2018; for FAT (B08010-00)	596,00

Miscellaneous spare parts

Order no.	Description	Unit price
F01000-00	FAT/FBF-housing	69,00
F01400-00	Manual Call Point housing, red, ABS	22,00
F01401-00	Manual Call Point housing, blue, ABS	23,00
F01410-00	Manual Call Point housing, red, Alu	63,20
F01411-00	Manual Call Point housing, blue, Alu	67,60
F00109-00	F1 door contact incl. wire	39,60
B01441-00	Locker of F1 housing	26,80
B01440-00	Spare key F1/F2 (2 pcs.)	13,50
F20124-03	Power supply - monitoring board for B01620-xx / B01622-xx	149,00
F11600-00	CHQ-FIO for addressable power supply B01620-01 /B01622-01	202,80

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IMPRINT

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