VERSION HOCHIKI

Fire Alarms
Trade Price List
2020/2021

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Sicherheitstechnik GmbH

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NSC Fire Control Panels

Modular solutions for Fire Alarms

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References and Comments

innovative Fire Alarm Systems without compromise

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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

Conventional Fire Control Panels

Order No.	Unit price	Description
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 (X95260-12)
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

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
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

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 (part code B01220-00)**

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

Order No.	Unit price	Description

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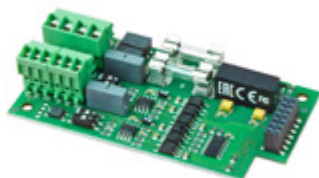
The RS485 interface card provides two separate RS485 interfaces (redundant). So these can be used to connect building management systems (BMS) or LCD repeater panels. If you are using them as a redundant RS485 interface the Fire Brigade LCD Repeater Panel (FAT) can be connected according to DIN 14662.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

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
Certifications	
VdS-No.	G 208145

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

Extinguishing components for „Solution F2"

Order No.	Unit price	Description

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

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

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

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

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
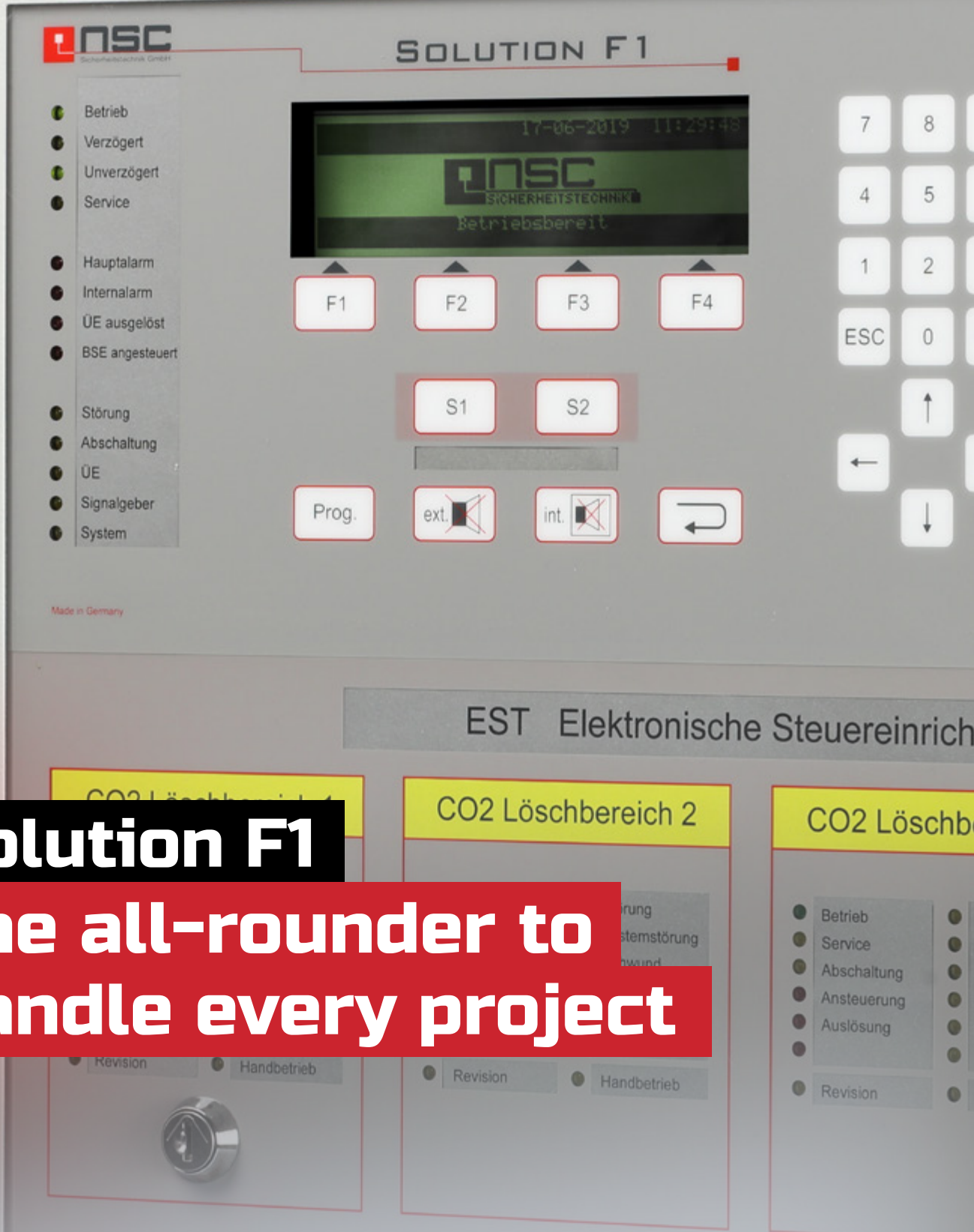
Solution F1
The all-rounder to handle every project

Modular Fire Control Panels „Solution F1"

Order No.	Unit price	Description
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
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**

- 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.

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
B01220-00	138,00	**32 LEDs zone indication module**

- 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)

Technical specifications	
Dimensions (WxHxD)	104 x 150 x 26 mm
Certifications	
VdS-No.	G 205024

Order No.	Unit price	Description
B01230-00	490,00	**Printer (Built-In version) with RS-232 interface and power supply**

- 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

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

Order No.	Unit price	Description
B01231-00	4,00	**Spare paper role for Printer**

- One role 58mm, diameter 37mm

Order No.	Unit price	Description

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

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

Order No.	Unit price	Description

B01272-00   578,00   **Loop card "ESP High Power" for F1 system, supports 2 loops / 8 spurs of Hochiki ESP detectors, 100% redundant**

- 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

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   **Loop card "Apollo High Power" for F1 system, supports 2 loops / 8 spurs of Apollo detectors XP95 and Discovery, 100% redundant**

- 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

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

Order No.	Unit price	Description

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

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

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

Order No.	Unit price	Description

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

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

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

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

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

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

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"**
		▪ 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"**
		▪ 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**
		▪ 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"**
		▪ 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   **Analogue Telephone modem for remote control software of the „Solution F1/F2"**

- 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

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   **NSC Webserver Module for Solution F1/F2**

- 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"

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

Technical specifications	
Quiescent current	38 mA (24 V DC)
Dimensions	56 x 56 x 22 mm

B01390-00   98,00   **Download cable for updating of loop cards and conventional detector cards of the „Solution F1"**

- FDT software necessary (free of charge)

B01395-00   1.980,00   **Configuration software for "Solution F1/F2"**
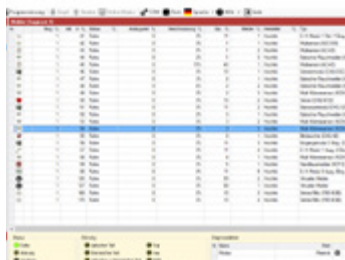
- Windows Explorer based software and so it
  is very easy and fast to handle
- Implemented by Windows.NET
- For configuration of detectors, zones, inputs, outputs, loops and spurs
- For analysing of analogue values / cable
  resistors / statistics / event memory
- Drag- and drop functionalities
- Supplied as self-installing software with auto setup

Surface mounted Steel Housings for FCP „Solution F1"

Order No.	Unit price	Description

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

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
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

Order No.	Unit price	Description
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
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

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

Order No.	Unit price	Description

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

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

B01535-00   **396,00**   **Interface module (Port) SH-RS485-M to fit in ARCNET-Hub, Connector = Sub-D 9 pole female**

- 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

Picture similar!

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**

- To assemble in the ARCNET-Hub B0153X-00 (1 Port means 1 ARCNET interface) - max 3 ports are possible in obe 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

Picture similar!

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

B01551-00   **1.640,00**   **ARCNET/RS485 – Fibre Optic Converter DL-485, 1 optical channel**

- 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

Picture similar!

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**

- 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

Picture similar!

B01557-01   **1.680,00**   **ARCNET/RS-485 LWL-Converter DL-485RS / optical redundant, loop topology, Multimode**

- 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)

Picture similar!

Gateways

Order No.	Unit price	Description
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 conn ector 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**

- **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"

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

Order No.	Unit price	Description
B01520-02	634,00	**Remote Control Panel with graphics LC module and RS485 interface**

- **Portuguese version**

Order No.	Unit price	Description
B01520-03	634,00	**Remote Control Panel with graphics LC module and RS485 interface**

- **Netherland version**

Order No.	Unit price	Description
B01520-04	634,00	**Remote Control Panel with graphics LC module and RS485 interface**

- **Czech version**

Order No.	Unit price	Description
B01520-05	634,00	**Remote Control Panel with graphics LC module and RS485 interface**

- **Italian version**

Order No.	Unit price	Description
B01520-07	634,00	**Remote Control Panel with graphics LC module and RS485 interface**

- **Spanish version**

Order No.	Unit price	Description

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**	**WINGUARD X4 Express for Windows 10 Pro / Windows 8.1 Pro**

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

- 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**	**Interface (Fire Alarms, Intrusion ,CCTV) by NSC portfolio for WINGUARD X4 Express**

- Mandatory interface of the Integrated Building Management System

B01703-00	**2.280,00**	**WINGUARD X4 Basic for Windows 10 Pro / Windows 8.1 Pro**

- 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**	**Interface (Fire Alarms, Intrusion ,CCTV) by NSC portfolio for WINGUARD X4 Basic**

- Mandatory interface of the Integrated Building Management System

WinGuard items do not include any hardware !

Order No.	Unit price	Description
B01715-00	998,00	**Set of further 100 data points**
		Extension of WinGuard Express and WinGuard Basic software by further 100 Data points.
B01717-00	8.250,00	**Set of further 1000 data points**
		Extension of WinGuard Express and WinGuard Basic software by further 1000 Data points.
B01722-00	15,00	**WinGuard - Data Point editing**
		Creating / editing of one data point for the basic drawings. Positioning and configuration of the data point incl. link to the "Solution F1" protocol.
B01727-00	130,00	**WinGuard – Import of one drawing**
		After the import of an existing basic diagram this is optimized for the representation in WinGuard.
B01745-00	350,00	**WinGuard Software Installation**
		Installation and testing of WinGuard software on the final computer
B01755-00	1.140,00	**Software module for Dual-Screen-Operation for WINGUARD X4 Basic**
		Configuration option for the representation of individual system elements on two monitors (e.g.. Diagram and measure window, etc.)
B01760-00	3.250,00	**Licence for additional work station (PC) for WINGUARD X4 Basic**
		A further control position license within a network installation (no further Dongle necessarily); needed for every further PC
B01765-00	2.200,00	**Additional interfaces for NSC products like CCTV, Intruder Alarm Panel etc. - for WINGUARD X4 Express**
		Interface module with interface-specific functions. Devices outside of the NSC product range.
B01766-00	4.200,00	**Additional interfaces for Third Party Suppliers like CCTV, Intruder Alarm Panel etc. - for WINGUARD X4 Basic**
		Interface module with interface-specific functions. Devices outside of the NSC product range.
B01770-00	1.140,00	**CAD support for WINGUARD X4 Express**
		▪ License to extent the basic software to import dwg/dxf files.
B01772-00	3.120,00	**CAD support for WINGUARD X4 Basic**
		▪ License to extent the basic software to import dwg/dxf files.
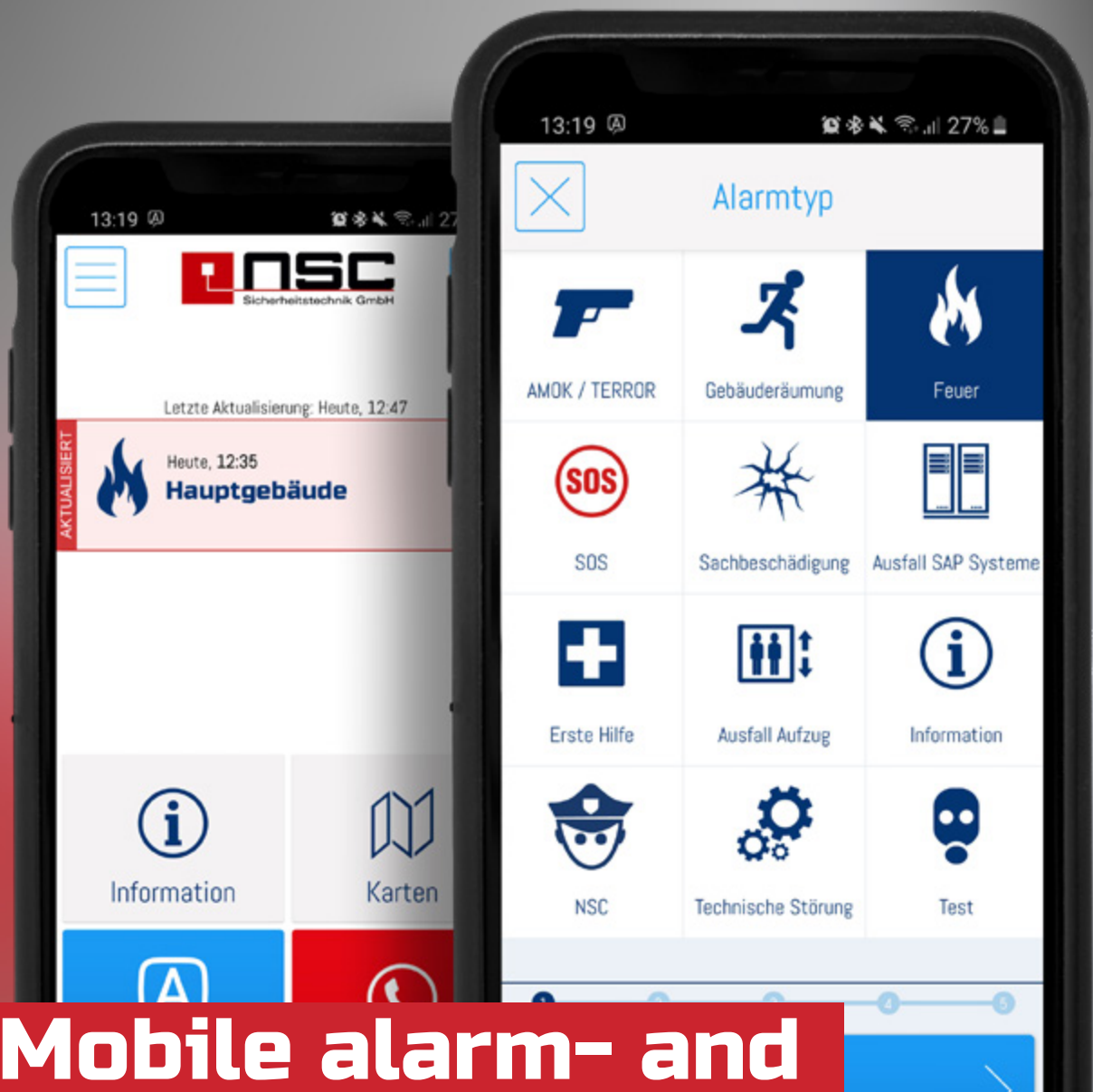
Mobile alarm- and emergency management system

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 REALY 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
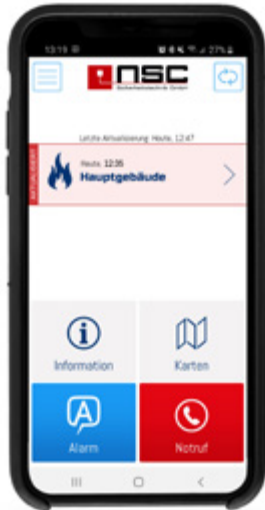
EVALARM is a communication platform for emergency and crisis management.

- 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 alrarms, 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 consol)
- 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**

- Up to 10 employees within the crisis management
- Unlimited alarm types and alarm levels
- Reading confirmation/accepting/refuse
- Notifying of max. 10 crisis managers

Order No.	Unit price	Description
B01803-00	800,00	**Extension: M-PACKAGE option „COM PLUS"; annual license costs**

- 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

Order No.	Unit price	Description
B01805-00	2.000,00	**EVALARM Mobile Alarm Management System; L-PACKAGE „BASIC"; annual license costs**

- Up to 30 employees within the crisis management
- Unlimited alarm types and alarm levels
- Reading- confirmation/accepting/refuse
- Notifying of max. 30 crisis managers

Order No.	Unit price	Description
B01807-00	2.000,00	**Extension: L-PACKAGE option „COM PLUS"; annual license costs**

- 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

Order No.	Unit price	Description
B01815-00	800,00	**Extension: Option „Watchdog & SOS" for M-PACKAGE; annual license costs**

- 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**

EV(A)LARM®

- watchdog functionality
- SOS function
- Requires L-Package „BASIC" and COM PLUS"

Order No.	Unit price	Description
B01817-00	800,00	**Extension: Option „Emergency evacuation & SOS function" for M-PACKAGE; annual license costs**

EV(A)LARM®

- Capture of evacuees
- Self-evacuation
- Tracking down missing persons
- SOS-function
- Requires M-Package „COM PLUS"

Order No.	Unit price	Description
B01817-01	2.000,00	**Extension: Option „Emergency evacuation & SOS function" for L-PACKAGE; annual license costs**

EV(A)LARM®

- Capture of evacuees
- Self-evacuation
- Tracking down missing persons
- SOS-function
- Requires L-Package „COM PLUS"

Order No.	Unit price	Description
B01819-00	400,00	**Extension: Option „NFC / RFID" for M-PACKAGE; annual license costs**

EV(A)LARM®

- NFC / RFID Writer App
- Alarm triggering by NFC & RFID
- Requires M-Package „COM PLUS"

Order No.	Unit price	Description
B01819-01	800,00	**Extension: Option „NFC / RFID" for L-PACKAGE; annual license costs**

EV(A)LARM®

- NFC / RFID Writer App
- Alarm triggering by NFC & RFID
- Requires L-Package „COM PLUS"

Order No.	Unit price	Description
B01825-00	2.500,00	**EVALARM one-time connection fee M-PACKAGE**

Order No.	Unit price	Description
B01825-01	3.600,00	**EVALARM one-time connection fee L-PACKAGE**

Power Supply Units

Order No.	Unit price	Description

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
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

Order No.	Unit price	Description
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

B01620-01   799,00   **Addressable, intelligent PSU 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
- As B01620-00 but integrated addressable CHQ-FIO module
- 2 Alarm inputs, 2 programmable relay outputs
- All fault message of the PSU are transmitted to the FCP by the ESP protocol
- No wiring of fault relays necessary and so time saving installation

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	3,8 kg w/o. Housing
Dimensions	see Housing
Certifications	
VdS-No.	G 206040
EC certificate	0786-CPR-21034

B01622-01   696,00   **Addressable, intelligent PSU 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
- As B01622-00 but integrated addressable CHQ-FIO module
- 2 Alarm inputs, 2 programmable relay outputs
- All fault message of the PSU are transmitted to the FCP by the ESP protocol
- No wiring of fault relays necessary and so time saving installation

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	2,9 kg w/o. Housing
Dimensions	see Housing
Certifications	
VdS-No.	G 206040
EC certificate	0786-CPR-21034

Order No.	Unit price	Description
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	1x potential free
Batteries (not included)	2x 12V DC / 18Ah
IP rating	IP30
Weight	ca. 6,4kg w/o Batteries
Dimensions (WxHxD)	400x360x100 mm
Certifications	
VdS-No.	G 511007
EC certificate	1438-CPD-0163

Order No.	Unit price	Description
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 an 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

Order No.	Unit price	Description
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

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

3 years warranty on ESP protocol products

2   Addressable ESP Detectors and Modules
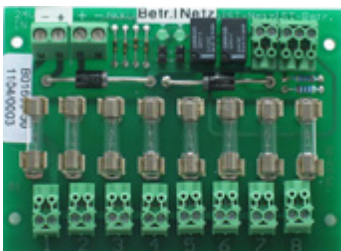
Analogue addressable detectors „ESP-Top-Loop" with integrated isolator

Order No.	Unit price	Description
B02003-00	**60,00**	**Optical smoke detector ALN-EN(WHT)-SCI, white RAL 9003, with integrated Isolator and high-performance smoke chamber**

- Programmable detection algorithm (operation mode TM)
- With ESP protocol and so immune against EMC interferences
- Flat-Response-Technology for optimized smoke detection. This provides a considerably extended range of response to combustible materials (broadband detectors)
- Automatic drift compenastion at contamination => constant sensitivity
- the sensitivity can be adjusted by software to the environmental conditions
- Low Power Mode in case of Mains AC fault
- electronic addressing (Flash)
- Twin fire alarm LEDs give 360° view in case of alarm condition

Technical specifications	
Operating voltage	17 - 41 V DC
Quiescent current normal	400 µA
Quiescent current low Power	120 µA
Operating temperature	-10 °C to +50 °C
Humidity	max. 95 %
Colour	white RAL 9003
Dimensions	100 x 45 mm (D x H)
Weight	95g
Certifications	
VdS-No.	G 218026
EC certificate	0832-CPR-F1927

Order No.	Unit price	Description
B02012-00	70,00	**Multi sensor ACC-EN(WHT)-SCI, white RAL 9003, with integrated Isolator and adjustable detection modes**

- Contains optical and heat sensors
- 4 automatic detection modes or timed by cause and effect events
- Programmable detection algorithm (operation mode TM)
- With ESP protocol and so immune against EMC interferences
- Flat-Response-Technology for optimized smoke detection. This provides a considerably extended range of response to combustible materials (broadband detectors).
- Automatic drift compensation at contamination => constant sensitivity
- the sensitivity can be adjusted by software to the environmental conditions
- Low Power Mode in case of Mains AC fault
- electronic addressing (Flash)
- Twin fire alarm LEDs give 360° view in case of alarm condition

Technical specifications	
Operating voltage	17 - 41 V DC
Quiescent current normal	400 µA
Quiescent current low Power	120 µA
Operating temperature	-10 °C to +50 °C
Humidity	max. 95 %
Colour	white RAL 9003
Dimensions	100 x 45 mm (D x H)
Weight	95g
Certifications	
VdS-No.	G 218018
EC certificate	0832-CPR-F2015

Order No.	Unit price	Description

B02023-00 **72,00** **Multi heat sensor ATJ-EN(WHT)SCI, white RAL 9003, with integrated Isolator**

- **Contains both fix temperature and rate of rise temperature heat elements**
- automatic or time-/event dependent switchable
- With ESP protocol and so immune against EMC interferences
- the sensitivity can be adjusted by software to the environmental conditions
- Low Power Mode in case of Mains AC fault
- electronic addressing (Flash)
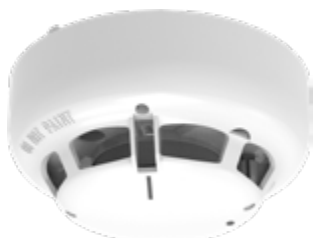- Twin fire alarm LEDs give 360° view in case of alarm condition

Technical specifications	
Operating voltage	17 - 41 V DC
Quiescent current normal	400 µA
Quiescent current low Power	120 µA
Operating temperature	-10 °C to +50 °C
Humidity	max. 95 %
Modes	- Fix temperature - Fix temp. + rate of rise notification - Fix temp + rate of rise pre-alarm
Colour	white RAL 9003
Dimensions	100 x 45 mm (D x H)
Weight	95g
Certifications	
VdS-No.	G 218019
EC certificate	0832-CPR-F1929

B02222-00 **6,50** **Mounting base YBV-R/4(WHT), white RAL 9003, for „ESP-Top-Loop" detectors**

- Easy to fit (for SCI „top loop" detectors)
- Provided with square cable clamps for secure and reliable cable termination
- **Stainless steel cable clamps**
- low profile designv

Technical specifications	
Operating temperature	-10°C to +50°C
Humidity	95% (not condensing)
Colour	RAL 9003
Dimensions (DxH)	100 x 8 mm
Weight	50g

Analogue addressable detectors with ESP protocol

Order No.	Unit price	Description
B02002-00	57,00	**Optical smoke detector ALN-EN(WHT), white RAL 9003, with new, improved high-performance smoke chamber**

- Optical Smoke Detector using the principle of scattering light detection
- Programmable detection algorithm (operation mode TM)
- With ESP protocol and so immune against EMC interferences
- Flat-Response-Technology for optimized smoke detection. Removing the need to use Ionisation Sensors in the majority of applications and this allows the sensor threshold level to be increased, thereby improving the signal to noise ratio and reducing susceptibility to false alarms.
- Automatic drift compensation
- Different sensitivities which can be programmed by the „Solution F1/F2" Fire Control Panels
- Low Power Mode in case of Mains AC fault
- Detector address is electronically stored in a non-volatile memory within the sensor.
- Twin fire alarm LEDs give 360° view in case of alarm condition
- Detector test by panel software

Technical specifications	
Operating voltage	17 - 41 V DC
Quiescent current normal	400 µA
Quiescent current low Power	120 µA
Operating temperature	-10 °C to +50 °C
Humidity	max. 95 %
Colour	white RAL 9003
Dimensions	100 x 45 mm (D x H)
Weight	95g (140g with base)
Certifications	
VdS-No.	G 213082
EC certificate	0832–CPR-F0279

B02002-05	78,80	**Optical smoke detector ALN-EN, black, with new, improved high-performance smoke chamber**

- Detector technically identical to B02002-00 but black housing colour

Order No.	Unit price	Description

B02011-00 **68,00** **Multi sensor ACC-EN(WHT), white RAL 9003, with new, improved high-performance smoke chamber and 2 heat sensors**

- Optical Smoke Detector combined with Fixed Temperature & Rate of Rise Detector
- 4 automatic detection modes or timed by cause and effect events
- Several detection modes / algorithms (photo electric smoke sensor, heat sensor, combined sensor) programmable by "Solution F1/F2" software
- Flat-Response-Technology for optimized smoke detection. Removing the need to use Ionisation Sensors in the majority of applications and this allows the sensor threshold level to be increased, thereby improving the signal to noise ratio and reducing susceptibility to false alarms.
- Automatic drift compensation
- Low Power Mode in case of Mains AC fault
- Detector address is electronically stored
- Twin fire alarm LEDs give 360° view in case of alarm condition
- Detector test by panel software

Technical specifications	
Operating voltage	17 - 41 V DC
Quiescent current normal	400 µA
Quiescent current low Power	120 µA
Operating temperature	-10 °C to +50 °C
Humidity	max. 95 %
Colour	white RAL 9003
Dimensions	100 x 45 mm (D x H)
Weight	95g (140g with base)
Certifications	
VdS-No.	G 213080
EC certificate	0832−CPR-F1994

B02011-05 **80,00** **Multi sensor ACC-EN, black, with new, improved high-performance smoke chamber and 2 heat sensors**
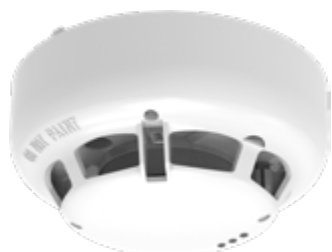
- Detector technically identical to B02011-00 but black housing colour

Order No.	Unit price	Description
B02015-00	198,00	**Multi sensor ACD-EN(WHT)**, **white RAL 9003, with new, improved high-performance smoke chamber and CO detection**

- contains optical, carbon monoxide (CO) and multi-heat-detector
- **tested and approved according to EN54-5, EN54-7, EN54-26, EN54-29, EN54-30 and EN54-31**
- **unique point detector, which complies with 6 EN54-Classes**
- programmable detection algorithm (operation mode TM)
- provides 24 different modes: automatic, manual or time-/event dependent switchable
- **10 years operational lifetime of CO-Sensor**
- with ESP protocol and so immune against EMC interferences
- In modes that includes the +RFA software, the detector automatically begins to adjust the detection sensitivity by adaption to the environment after installation !!
- electronic addressing (Flash)
- twin fire alarm LEDs give 360° view in case of alarm condition

Technical specifications	
Operating voltage	17 - 41 V DC
Quiescent current normal	410 µA
Operating temperature	-10°C to +50 °C
Humidity	max. 95 %
Colour	white RAL 9003
Dimensions	100 x 45 mm (D x H)
Weight	105 g
Certifications	
VdS-No.	G 218080
EC certificate	0832−CPR- F1761

Order No.	Unit price	Description

B02021-00   **64,40**   **Multi heat sensor ATJ-EN(WHT), white RAL 9003, fixed temperature and rate of rise detector, programmable according to EN54, part 5, classifications**

- Included multi heat sensors with fixed temperature evaluation and rate of rise
- Automatic detection modes or timed by cause and effect events
- Analogue addressable heat detector with ESP protocol and so immune against EMC interferences
- Different classifications according to EN54, part 5, can be programmed by the „Solution F1/F2"; so this detector can be used as "all in one" detector from 50° to 88°;
- Low Power Mode in case of Mains AC fault
- Detector address is electronically stored in a non-volatile memory within the sensor
- Twin fire alarm LEDs give 360° view in case of alarm condition
- Detector test by the panel software

Technical specifications	
Operating voltage	17 - 41 V DC
Quiescent current normal	400 µA
Quiescent current low Power	120 µA
Operating temperature	-10 °C to +50 °C
Humidity	max. 95 %
Colour	white RAL 9003
Dimensions	100 x 45 mm (D x H)
Weight	95g (140g with base)
Certifications	
VdS-No.	G 213081
EC certificate	0832−CPR-F1996

B02021-05   **86,00**   **Multi heat sensor ATJ-EN, black, fixed temperature and rate of rise detector, programmable according to EN54, part 5, classifications**

- Detector technically identical to B02021-00 but black housing colour

Order No.	Unit price	Description
B02022-00	93,60	**Multi heat sensor ACB-EW, protection class IP 67, ivory case, combines heat differential and maximum, programmable according to EN54, part 5, classifications**

- User selectable modes
- Incorporates Fixed Temperature and Rate Of Rise Heat elements
- Analogue heat detector
- With ESP protocol and so immune against EMC interferences
- Adjustable response according to EN54 classification, part 5, therefore only 1 article must be stocked for all heat detector classes
- Low power mode in case of power failure
- Electronically Addressed like B02000-00
- Twin fire LEDs allow 360 degree viewing
- Detector test by Fire Control Panel
- <u>Supplied with fixing base, no mounting base required</u>

Technical specifications	
Operating voltage	17 - 41 V DC
Quiescent current normal	350 µA
Quiescent current low Power	120 µA
Operating temperature	-10°C to +50°C
Humidity	max. 95 %
Colour	ivory
Dimensions (D x H)	100 x 46 mm
IP rating	IP 67
Weight	115g
Certifications	
VdS-No.	G 206005
EC certificate	0832-CPD-0123

Mounting bases

Order No.	Unit price	Description

B02200-00   **5,00**   **Standard mounting base YBN-R/3(WHT) for ESP detectors**

- Easy and quick assembly of the detector
- low profile design
- without electronics and so very robust and reliable

Technical specifications	
Operating temperature	-10 °C to +50 °C
Humidity	max. 95 %
Colour	white RAL 9003
Weight	50g
Dimensions	100 x 8 mm (D x H)

B02200-05   **9,00**   **Standard mounting base for ESP detectors, black**

- Mounting base technically identical to B02200-00 but black colour

B02220-00   **13,00**   **Mounting Base YBN-R/3(WHT)SCI for ESP detectors with in-built dual isolators**

- Easy and quick assembly of the detector
- low profile design
- Cable entry possible for up to d=6mm sideways
  (Otherwise please use B04315-00 (Chapter 4))
- integrated dual isolators to hold up the communication protocol
  with the Fire Control Panel in case of loop short circuit

Technical specifications	
Current consumption	60µA (Standby)
Current consumption	<4mA (Short circuit)
Operating temperature	-10°C to +50°C
Humidity	max. 95 %
Colour	white RAL 9003
Dimensions	100 x 13 mm (D x H)
Weight	129 g
Certifications	
VdS-No.	G 213019
EC certificate	0832−CPD-2025

Analogue addressable detectors - Marine approved

Order No.	Unit price	Description
B02042-00	88,60	**Optical smoke detector ALN-ENM(WHT)(Marine approved), white RAL 9003, with new, improved high-performance smoke chamber**

- Optical Smoke Detector using the principle of scattering light detection
- Programmable detection algorithm (operation mode TM)
- With ESP protocol and so immune against EMC interferences
- Flat-Response-Technology for optimized smoke detection. Removing the need to use Ionisation Sensors in the majority of applications and this allows the sensor threshold level to be increased, thereby improving the signal to noise ratio and reducing susceptibility to false alarms.
- Automatic drift compensation
- Different sensitivities which can be programmed by the „Solution F1/F2" Fire Control Panels
- Low Power Mode in case of Mains AC fault
- Twin fire alarm LEDs give 360° view in case of alarm condition

Technical specifications	
Operating voltage	17 - 41 V DC
Quiescent current normal	400 µA
Quiescent current low Power	120 µA
Operating temperature	-10°C to +50°C
Humidity	max. 95 %
Colour	white RAL 9003
Dimensions (D x H)	100 x 45 mm
Weight	95g (140g with base)
Certifications	
Approved to	EN54-7 (LPCB); GL and LR

B02051-00	88,60	**Multi heat sensor ATJ-ENM(WHT) (Marine approved), combines heat differential and maximum**

- Included multi heat sensors with fixed temperature evaluation and rate of rise
- Automatic detection modes or timed by cause and effect events
- Analogue addressable heat detector with ESP protocol and so immune against EMC interferences
- The sensitivity can be adapted to the ambient conditions by software
- Low Power Mode in case of Mains AC fault
- Detector address is electronically stored in a non-volatile memory within the sensor
- Twin fire alarm LEDs give 360° view in case of alarm condition
- Detector test by the panel software

Technical data as B02042-00

B02202-00	7,00	**Standard mounting base YBN-R/3M (Marine approved), white, for ESP detectors**

- else like B02200-00

Analogue addressable detectors - SIL2 approved (ESP-Protocol)

Order No.	Unit price	Description

B02002-03 69,00

Optical smoke detector ALN-EN(WHT)SIL, with new, improved high-performance smoke chamber

SIL2 approved

- Programmable detection algorithm (operation mode TM)
- With ESP protocol and so immune against EMC interferences
- Flat-Response-Technology for optimized smoke detection. This provides a considerably extended range of response to combustible materials (broadband detectors).
- Automatic resting value reduction at contamination => constant sensitivity
- the sensitivity can be adjusted by software to the environmental conditions
- Low Power Mode in case of Mains AC fault
- electronic addressing (Flash)
- Twin fire alarm LEDs give 360° view in case of alarm condition

Technical specifications	
Operating voltage	17 - 41 V DC
Quiescent current normal	400 µA
Quiescent current low Power	120 µA
Operating temperature	-10 °C to +50 °C
Humidity	max. 95 %
Colour	white RAL 9003
Dimensions	100 x 45 mm (D x H)
Weight	95g (140g with base)

B02011-03 77,00

Multi sensor ACC-EN(WHT)SIL, with new, improved high-performance smoke chamber and multi heat sensors

SIL2 approved

- contains optical and multi heat sensors (fix temperature and rate of rise)
- 4 automatic detection modes or timed by cause and effect events
- Programmable detection algorithm (operation mode TM)
- With ESP protocol and so immune against EMC interferences
- Flat-Response-Technology for optimized smoke detection. This provides a considerably extended range of response to combustible materials (broadband detectors).
- Automatic resting value reduction at contamination => constant sensitivity
- the sensitivity can be adjusted by software to the environmental conditions
- Low Power Mode in case of Mains AC fault
- electronic addressing (Flash)
- Twin fire alarm LEDs give 360° view in case of alarm condition

Technical specifications	
Operating voltage	17 - 41 V DC
Quiescent current normal	400 µA
Quiescent current low Power	120 µA
Operating temperature	-10 °C to +50 °C
Humidity	max. 95 %
Colour	white RAL 9003
Dimensions	100 x 45 mm (D x H)
Weight	95g (140g with base)

Order No.	Unit price	Description
B02021-03	77,00	**Multi heat sensor ATJ-EN(WHT)SIL, with both fix temperature and rate of rise elements**

SIL2 approved

- Included multi heat sensors with fixed temperature evaluation and rate of rise
- automatic or time-/event dependent switchable
- With ESP protocol and so immune against EMC interferences
- the sensitivity can be adjusted by software to the environmental conditions
- Low Power Mode in case of Mains AC fault
- electronic addressing (Flash)
- Twin fire alarm LEDs give 360° view in case of alarm condition

Technical specifications	
Operating voltage	17 - 41 V DC
Quiescent current normal	400 µA
Quiescent current low Power	120 µA
Operating temperature	-10 °C to +50 °C
Humidity	max. 95 %
Modes	- Fix temperature - Fix temp. + rate of rise notification - Fix temp + rate of rise pre-alarm
Colour	white RAL 9003
Dimensions	100 x 45 mm (D x H)
Weight	95g (140g with base)
Weight	95g (140g with base)

B02220-03	27,50	**Mounting base YBN-R/3(WHT)SCI/SIL, with dual isolator**

SIL2 approved

- Easy and quick assembly of the detector
- low profile design
- Cable entry possible for up to d=6mm sideways (Otherwise please use B04315-00 (Chapter 4))
- integrated dual isolators to hold up the communication protocol with the Fire Control Panel in case of loop short circuit

Technical specifications	
Humidity	max. 95 %
Colour	white RAL 9003
Dimensions	100 x 13 mm (D x H)

Hand-held programmer for ESP detectors

Order No.	Unit price	Description
B02100-00	**190,00**	**Hand-held Programmer TCH-B200 for ESP detectors**

- quick and simple operating for fast installation
- for automatic sensors and for the MCP
- attractive design
- every detector can be re-programmed as often as necessary
- Flash memory in the detector head removes the need of mechanical switches for address setting

Duct Probe Housing

Order No.	Unit price	Description
B03401-00	330,00	**Duct Probe Housing SDP-3 for multi sensor B02011-00 and smoke detector B02002-00 and B03000-00**

- Duct Probe Housing allowing an analogue addressable optical smoke detector to be mounted on the outside of an air duct
- Using an aspirating technique, the air within the duct is drawn via a pipe into the housing allowing constant sampling
- Incl. one sampling pipe, length 600 mm
- Only one pipe necessary and so very fast and easy installation
- Suitable for round and square air channels
- Detector and base to be ordered separately

Technical specifications	
Colour	grey (transparent cover)
Dimensions (LxWxH)	280 x 150 x 100 mm
Certifications	
VdS-No.	applied

Order No.	Unit price	Description
B03407-00	148,00	**Venturi-pipe 1500 mm for SDP-3**

- Aluminum in- and outlet pipe 1.500 mm, shortable
- For channel width of 750 up to 3.000 mm
- Instead of standard 600mm pipe

Order No.	Unit price	Description
B03408-00	198,00	**Venturi-pipe 2.800 mm für SDP-3**

- Aluminum in- and outlet pipe 2.800 mm, shortable
- for particularly large channels

Order No.	Unit price	Description
B03411-00	109,00	**Mounting set for Duct Probe Housing SDP-3**

- To mount the Duct Probe Housing onto round channels

Order No.	Unit price	Description
B03412-00	568,00	**Protective housing „Cover 75" for Duct Probe Housing SDP-3**

- For protected installation of the SDP-3

Manual Call Points

Order No.	Unit price	Description
B02322-00	67,00	**Manual Call Point HCP-E(SCI) incl. dual isolator, red, ESP protocol, flush mounting**

- Approved according to EN54, part 11, type A
- Incl. dual isolator and bi-coloured status LED
  (red for Alarm, amber for short-circuit)
- With ESP protocol and so immune against EMC interferences
- With alarm interrupt for fast indication
- Low power mode in case of power failure
- Addressable by Hand-held-Programmer B02100-00

Technical specifications	
Operating voltage	17 - 41 V DC
Quiescent current normal	220 µA
Quiescent current low Power	90 µA
Operating temperature	-10 °C to +50 °C
Humidity	max. 95 %
IP rating	IP24
Colour	red
Dimensions	89 x 93 x 27,5 mm
Weight	110 g
Certifications	
EC certificate	0832−CPD-1238

Order No.	Unit price	Description
B02322-03	88,00	**Manual Call Point HCP-E(SCI)SIL, with isolator, red plastic housing, flush mounting**

SIL2 approved

- approved according to EN54, part 11, type A
- With ESP protocol and so immune against EMC interferences
- Low power mode in case of power failure
- Addressable by Hand-held-Programmer B02100-00

Technical specifications	
Operating voltage	17 - 41 V DC
Quiescent current normal	350 µA
Quiescent current low Power	180 µA
Operating temperature	-10 °C to +50 °C
Humidity	max. 95 %
Colour	rot
Dimensions	89 x 93 x 27,5 mm
Weight	110 g

Order No.	Unit price	Description
B02325-00	7,00	**Back Box for addressable Manual Call Point HCP-E(SCI) B02322-00, for surface mounting**
B02326-00	13,40	**Reset key for manual call point HCP-E / CCP-E, 10 pcs.**

Order No.	Unit price	Description
B02340-00	276,00	**Manual Call Point HCP-W(SCI), red, incl. dual isolator, ESP protocol, <u>IP rate 67</u>, surface mounting**

- Approved according to EN54, part 11, type A
- Incl. dual isolator and bi-coloured status LED
  (red for Alarm, amber for short-circuit)
- With ESP protocol and so immune against EMC interferences
- With alarm interrupt for fast indication
- Low power mode in case of power failure
- Addressable by Hand-held-Programmer B02100-00

Technical specifications	
Operating voltage	17 - 41 V DC
Quiescent current normal	220 µA
Quiescent current low Power	90 µA
Operating temperature	-10 °C to +50 °C
Humidity	max. 95 %
IP rating	IP67
Colour	red
Dimensions	98 x 94 x 78 mm
Weight	234 g
Certifications	
EC certificate	0832−CPD-0602

Order No.	Unit price	Description
B02342-00	83,80	**Addressable manual call point HCP-E/M (Marine approved), for loop, red plastic housing, approved by GL**

- Design according to European standard 54-11
- Triggering an alarm only by pressing the EN54 compliant non-frangible (plastic) element, pressing a button is not required
- With ESP protocol and so immune against EMC interferences
- Low power mode in case of power failure
- Addressable by Hand-held-Programmer B02100-00

Technical specifications	
Operating voltage	17 - 41 V DC
Quiescent current normal	350 µA
Quiescent current low Power	180 µA
Operating temperature	-10°C to +50°C
Humidity	max. 95 %
Colour	red
Dimensions	89 x 93 x 27,5 mm
Weight	110 g
Certifications	
Approved by:	GL

Order No.	Unit price	Description

B02344-00   **320,00**   **Addressable manual call point (IP67) HCP-W/M (Marine approved), loop, red plastic housing, LPCB approved to EN54 / approved to MED by GL**

- Design according to European standard 54-11
- Triggering an alarm only by pressing the EN54 compliant non-frangible (plastic) element, pressing a button is not required
- With ESP protocol and so immune against EMC interferences
- Low power mode in case of power failure
- Addressable by Hand-held-Programmer B02100-00

Technical specifications	
Operating voltage	17 - 41 V DC
Quiescent current normal	230 µA
Quiescent current low Power	85 µA
Operating temperature	-10°C to +50°C
Humidity	max. 95 %
IP rating	IP 67
Colour	red
Dimensions	124x124x60 mm
Weight	450 g
Certifications	
Approved by:	GL

B02345-00   **9,80**   **Hinged cover for MCP B02322-00 and B02340-00**

- Prevention of unintentional activations
- Mounted at the front of the detector
- The flap must be raised to trigger the detector

Picture with front of
MCP B02322-00

Addressable ESP Input modules according to EN54-17 and EN54-18

Order No.	Unit price	Description
B02400-03	101,80	Dual lnput Module CHQ-DIM2(SCI) "Smart Fix" providing 2 inputs, incl. dual isolator, loop powered / incl. IP54 surface mounted housing

- Both inputs individually evaluated and indicated by the FCPs "Solution F1/F2"
- Inputs are suitable for dry contacts like switches, sprinkler contacts etc.
- Inputs can be individually configured as alarm or fault inputs
- With ESP protocol and so immune against EMC interferences
- Due to low current consumption the module needs no extra power supply
- Low power mode in case of Mains AC failure
- Addressing by DIL switch
- Two cut-sections along the top and bottom edges of the module to accommodate the cables

Technical specifications	
Operating voltage	17 - 41 V DC
Quiescent current normal	330 µA
Quiescent current low Power	170 µA
Alarm current	4,3 mA (both inputs)
Activation threshold	< 50 Ohm
Switch-off threshold	> 100 kOhm
Input monitoring	wire breaks; short circuits
Operating temperature	-10 °C to +50 °C
Humidity	max. 95 %
Dimensions	157 x 127 x 35 mm
Weight	327 g
Certifications	
VdS-No.	G 215077
EC certificate	0832-CPR-F0934

Order No.	Unit price	Description
B02402-00	126,40	Dual lnput Module CHQ-DIM2/DIN(SCI), providing 2 inputs, incl. dual isolator, loop powered / DIN rail mounting

- As B02400-03 but DIN rail housing

Technical specifications	
Dimensions (LxBxH)	119 x 24 x 108 mm
Weight	113 g
Certifications	
VdS-No.	G 215077
EC certificate	0832-CPR-F0935

Order No.	Unit price	Description
B02420-03	**112,00**	**Input Module CHQ-SZM2(SCI) "Smart Fix" to interface 1 zone of non-addressable detectors, incl. dual isolators, loop powered / incl. IP54 surface mounted housing**

- Input to indicate alarm or fault messages
- Fully Monitored for short and open circuit Faults
- E.g. to connect up to 6 conventional detectors or special detectors like UV flame or beam detector
- With ESP protocol and so immune against
- EMC interferences
- Low Power Mode in case of Mains AC fault
- Due to low current consumption the module
- needs no extra power supply
- Addressing by DIL switch
- Two cut-out sections along the top and bottom edges of the module to accommodate the cables

Technical specifications	
Operating voltage	17 - 41 V DC
Quiescent current normal	300 µA
Quiescent current low Power	200 µA
Alarm current	depending on load
Zone voltage	15,3 – 17,1 Volt
Operating temperature	-10 °C to +50 °C
Humidity	max. 95 %
Dimensions	157 x 127 x 35 mm
Weight	328 g
Certifications	
VdS-No.	G 215076
EC certificate	0832-CPR-F1162

B02422-00	**128,00**	**Input Module CHQ-SZM2/DIN(SCI) to interface 1 zone of non-addressable detectors, incl. dual isolators, loop powered / DIN rail mounting**

- As B02420-03 but DIN rail housing

Technical specifications	
Dimensions (LxWxH)	119 x 24 x 108 mm
Weight	114 g
Certifications	
VdS-No.	G 215076
EC certificate	0832-CPR-F1163

Order No.	Unit price	Description
B02424-00	220,00	**Dual Zone Monitor Module CHQ-DZM "Smart Fix" to interface 2 zones of conventional detectors, incl. dual isolators, / incl. IP54 surface mounted housing**

- both zones fully monitored for open and short circuit
- Each zone supports up to 30 detectors
- With ESP protocol and so immune against EMC interferences
- Including dual isolators
- Per zone 1 Alarm output
- Low power mode in case of Mains AC fault
- Needs separate 24VDC power supply
- Addressing by DIL switch

Technical specifications	
Operating voltage	17 - 41 V DC
Quiescent current normal	330 µA int. + 2mA extern
Quiescent current low Power	110 µA
Alarm current	max. 70 mA
Alarm Output each	ea 24V DC / 8,5mA
Operating temperature	-10 °C to +50 °C
Humidity	max. 95 %
EOL element	TE-RH-E (included)
Dimensions	157 x 127 x 35 mm
Weight	350 g
Certifications	
VdS-No.	G 214013
EC certificate	0832-CPR-1657

Order No.	Unit price	Description
B02427-00	285,00	**Dual Zone Monitor Module CHQ-DZM (I.S.) "Smart Fix" to interface 2 zones of conventional intrinsically safe detectors, including dual isolators / incl. IP54 surface mounted housing**

- As above but for 2 zones with max 20 pcs. I.S. detectors (see chapter 5) each
- Use I.S. barrier B05340-00 between this module and the detectors in the hazardous area

Technical specifications	
Weight	382 g
Certifications	
VdS-No.	G 214014
EC certificate	0832-CPR-1659

Order No.	Unit price	Description
B02427-01	342,00	**Dual Zone Monitor Module CHQ-DZM/DIN(SCI)I.S. to interface 2 zones of conventional I.S. detectors, incl. dual isolators / DIN rail housing**

- to interface 2 zones of I.S. detectors (see chapter 5)
- both zones fully monitored for open and short circuit
- Each zone supports up to 30 detectors
- With ESP protocol and so immune against EMC interferences
- Including dual isolators
- Per zone 1 Alarm output
- Low power mode in case of Mains AC fault
- Needs separate 24VDC power supply
- Addressing by DIL switch

Technical specifications	
Operating voltage	17 - 41 V DC
Quiescent current normal	330 µA int. + 2mA extern
Quiescent current low power	110 µA
Alarm Output each	ea 24V DC / 8,5mA
Operating temperature	-10 °C to +50 °C
Humidity	max. 95 %
EOL Resistor	TE-RH-E (included)
Dimensions	119 x 24 x 108 mm
Weight	130 g
Certifications	
VdS-No.	G 214016
EC certificate	0832-CPD-1660

Order No.	Unit price	Description
B02431-00	236,00	**Dual Zone-Monitor Module CHQ-ISM/DIN, for I.S. sounders and strobe lights / beacons, DIN-Rail housing**

- For intrinsically safe sounders and strobe light / beacons
- For connecting 2 control lines to sounders / strobe lights / beacons with I.S.-barrier (Chapter 7)
- For switching between FCP output or control module (CHQ-DSC2 / xx) and I.S. barrier
- Fully monitored control lines for short circuits and wire breakage
- With ESP protocol, therefore practically immune to EMC and
- Communication problems
- Housing B07550-00 to gain IP65 protection class
- Requires a separate 24V DC power supply

Technical specifications	
Operating voltage	17 - 41 V DC
Quiescent current max.	50mA (Barrier)
Quiescent current low power	110 µA
Output	2 x 24V DC / max. 40mA
Operating temperature	-10 °C to +50 °C
Humidity	max. 95 %
EOL Resistor	depending on application
Dimensions	119 x 24 x 108 mm
Weight	130 g
Certifications	
EC certificate	0832-CPR-F0061

Order No.	Unit price	Description
B02429-00	112,00	**Dual Zone Monitor Module CHQ-FTM „Smart Fix" with two inputs 4-20mA, incl. IP54 surface mounted housing**

- Monitors two inputs 4-20mA
- two alarm thresholds per input adjustable; in addition, one for wire break, one for short circuit
- 2 outputs for LED status displays
- With ESP protocol and so immune against EMC interferences
- Add housing B02470-00 to increase the IP rating to IP65

NOTE: to isolate the fire alarm system from the current loop a passive isolator (B02429-50) should be used

Technical specifications	
Operating voltage	17 - 41 V DC
Quiescent current normal	330µA int. + 2mA extern
Current during addressing	22 mA +/- 20%
Analogue inputs	each 0 – 25,5mA
Operating temperature	-10 °C to +50 °C
Humidity	max. 95 %
Dimensions	157 x 127 x 35 mm
Weight	350 g
Certifications	
EC certificate	0832-CPR-1657

Order No.	Unit price	Description
B02429-01	130,00	**Dual Zone Monitor Module CHQ-FTM(DIN), with two inputs 4-20mA, incl. DIN rail housing**

- Monitors two inputs 4-20mA
- two alarm thresholds per input adjustable; in addition, one for wire break, one for short circuit
- 2 outputs for LED status displays
- With ESP protocol and so immune against EMC interferences
- Add housing B07550-00 to increase the IP rating to IP65

- As B02429-00 but DIN rail housing

NOTE: to isolate the fire alarm system from the current loop a passive isolator (B02429-50) should be used

Technical specifications	
Dimensions (LxBxH)	119 x 24 x 108 mm
Weight	114 g

Order No.	Unit price	Description
B02429-03	130,00	**Dual Zone Monitor Module CHQ-FTM/SIL, with two inputs 4-20mA, incl. IP54 surface mounted housing**

SIL2 approved

- else like B02429-00

Order No.	Unit price	Description
B02429-13	**148,00**	**Dual Zone Monitor Module CHQ-FTM/DIN/SIL, with two inputs 4-20mA, incl. DIN-Rail housing**

SIL2 approved

▪ else like B02429-01

Order No.	Unit price	Description
B02429-50	**298,00**	**Passive isolator, 1-channel, for galvanic isolation of current signals without power supply, DIN rail housing**

▪ Compact 2-wire passive isolator for galvanic isolation and filtering of analogue standard signals for 1 current signals
▪ Suitable for FTM module B02429-00
▪ Does not require any additional auxiliary energy
▪ Housing for DIN rail mounting
▪ easy plug connectors

Technical specifications	
Input data	0 - 20 mA
Output data	0 - 20 mA
Max. input voltage	18 V
Max. current input	40 mA
Operating temperature	-20 °C to +65 °C
IP rating	IP20
Humidity	max. 95 %
Dimensions	103 x 93 x 6,2 mm
Weight	65 g

Order No.	Unit price	Description
B02429-60	**459,00**	**Passive isolator, 2-channel, for galvanic isolation of current signals without power supply, DIN rail housing**

▪ Compact 2-wire passive isolator for galvanic isolation and filtering of analogue standard signals for 2 current signals
▪ Suitable for FTM module B02429-00
▪ Does not require any additional auxiliary energy
▪ Housing for DIN rail mounting
▪ easy plug connectors

Technical specifications	
Input data	0 - 20 mA
Output data	0 - 20 mA
Max. input voltage	18 V
Max. current input	40 mA per input
Operating temperature	-20 °C to +65 °C
IP rating	IP20
Humidity	max. 95 %
Dimensions	103 x 93 x 6,2 mm
Weight	65 g

Addressable ESP Input / Output modules acc. to EN54-17 and 18

Order No.	Unit price	Description
B02410-02	142,00	„High-Power" I/O-Module CHQ-MRC2(SCI) with control relay, monitored input and dual isolator, smart-fix housing, loop-powered

- programmable relay (230V AC / 5A)
- additional input for alarm and fault, monitored for short circuit and wire breakage
- Monitoring can be switched off
- With ESP protocol, therefore practically immune to EMC and communication interference
- loop powered
- Low power mode in the event of a power failure

Technical specifications	
Operating voltage	17 - 41 VDC
Quiescent current normal	300 µA
Quiescent current low power	100 µA
Relay contact	230VAC / 5A
Operating temperature	-10°C to +50°C
IP rating	IP54
Humidity	max. 95%
Dimensions	160 x 125 x 33 mm
Weight	327 g
Certifications	
VdS No.	G 215006
EC certificate	0832-CPR-F0058

Order No.	Unit price	Description
B02411-00	144,00	„High-Power" I/O-Module CHQ-MRC2/DIN (SCI) incl. relay output 230V, monitored input and dual isolator, "loop powered" / incl. DIN Rail housing

- As B02410-01 but DIN rail housing

Technical specifications	
Weight	114 g
Certifications	
VdS-No.	G 215006
EC certificate	0832–CPR-F0059

Order No.	Unit price	Description

B02415-00 **87,40** **Adjustable Power Output Module CHQ-POM with 1 output (2 – 32 mA) and 2 fully monitored inputs / incl. housing**

- Model CHQ-POM is a powered-output module designed to supply 24Vd.c. at various, user-selectable current levels from 2 to 32mA (in increments of 2mA)
- 2 separate fully monitored inputs
- „Loop-powered" module by the ESP loop
- With ESP protocol and so immune against EMC interferences
- The unit is small enough to be added to other third-party devices

Technical specifications	
Operating voltage	17 -41 V DC
Quiescent current	200 µA
Alarm current	2,3 – 32,3 mA
Operating temperature	-10 °C to +50 °C
Humidity	max. 95 %
Dimensions (LxBxH)	65 x 42 x 19 mm
Weight	30 g
Certifications	
VdS-No.	G 210113
EC certificate	0832–CPD-1115

B02430-00 **198,00** **Dual Monitor Module CHQ-ISM for I.S. (Intrinsically Safe) signaling devices, „Smart Fix", incl. IP54 surface mounted housing**

- Module type for connecting 2 control lines of Ex-signaling devices (Ch. 7) with Ex-barrier
- both control lines fully monitored for short circuit and open circuit
- interpose of FCP-output or monitoring module and Ex-barrier
- needs separated 24V DC power supply
- monitored fault input (e.g. for power supply)
- including IP54 housing

Technical specifications	
Operating voltage	20-28 V DC
Quiescent current max.	50mA
Alarm current	ea 24V DC / max 15 mA
End of line resistor	dep. on application
Dimensions (LxWxH)	157x127x35mm
Certifications	
EC certificate	0832–CPD-F0060

Order No.	Unit price	Description

B02444-00   **224,00**   **4 x In / 4 x Out CHQ-PCM(SCI) "Smart Fix" Module, incl. dual isolator, loop powered / incl. IP54 surface mounted housing**

- 4 Relay Outputs – programmable by software
- to control devices such as dampers, or for plant and equipment shutdown
- 4 additional Inputs – programmable & monitored
- With ESP protocol and so immune against EMC interferences
- Due to low current consumption the module needs no extra power supply
- Low power mode in case of Mains AC failure
- Addressing by DIL switch
- Two cut-sections along the top and bottom edges of the module to accommodate the cables

Technical specifications	
Operating voltage	17 - 41 V DC
Quiescent current normal	300 µA
Relay outputs	each 30 V DC / 1 A
Operating temperature	-10 °C to +50 °C
Humidity	max. 95 %
Dimensions (WxHxD)	157 x 127 x 35 mm
Weight	332 g
Certifications	
VdS-No.	G 213087
EC certificate	0832−CPD-1679

B02444-02   **242,00**   **4 x In / 4 x Out CHQ-PCM/DIN(SCI), with Dual-Isolator, „loop-powered" / incl. DIN rail housing**

- With 4 relays programmable by the FCP „Solution F1 / F2"
- All relays are programmed and switched independently of each other
- 4 additional inputs for monitoring e.g. of potential free switches
- With ESP protocol and so immune against EMC interferences
- „loop-powered" through low current consumption
- For „snap-mounting" on DIN rail

Technical specifications	
Operating voltage	17 - 41 V DC
Quiescent current normal	300 µA
Relay outputs	each 30 V DC / 1 A
Operating temperature	-10 °C to +50 °C
Humidity	max. 95 %
Dimensions (WxHxD)	24 x 119 x108 mm
Weight	150 g
Certifications	
EC certificate	0832−CPD-1679

B02444-03   **260,00**   **4 x In / 4 x Out CHQ-PCM/DIN(SCI)/SIL, 4 Inputs with Dual-Isolator, „loop-powered" / incl. DIN rail housing**

SIL2 approved

- else like B02444-02

Order No.	Unit price	Description
B02450-03	122,00	**Dual Output module CHQ-DRC2(SCI) "Smart Fix" (two 1A relays), 1 monitored input, incl. dual isolator, loop-powered / incl. IP54 surface mounted housing**

- Both outputs individually programmable by the panel software
- 1 additional fully monitored input for short and open circuit
- With ESP protocol and so immune against EMC interferences
- Due to low current consumption the module needs no extra power supply
- Low power mode in case of Mains AC fault
- Addressing by DIL switch
- Two cut-out sections along the top and bottom edges of the module to accommodate the cables

Technical specifications	
Operating voltage	17 - 41 V DC
Quiescent current normal	300 µA
Quiescent current low Power	170 µA
Relay outputs	each 30 V DC / 1 A
Operating temperature	-10 °C to +50 °C
Humidity	max. 95 %
Dimensions	157 x 127 x 35 mm
Weight	343 g
Certifications	
VdS-No.	G 215078
EC certificate	0832-CPR-F0936

Order No.	Unit price	Description
B02452-00	154,00	**Dual Output module CHQ-DRC2/DIN(SCI) (two 1A relays), 1 monitored input, incl. dual isolator, loop-powered / incl. DIN rail housing**

- As B02450-01 but DIN rail housing

Technical specifications	
Dimensions (LxWxH)	119 x 24 x 108 mm
Weight	124 g
Certifications	
VdS-No.	G 215078
EC certificate	0832−CPR-0937

Order No.	Unit price	Description
B02452-03	170,00	**Dual Output module CHQ-DRC2/DIN(SCI)/SIL, two 1A relays, 1 monitored input, loop-powered, incl. dual isolator, DIN rail housing**

SIL2 approved

- Else like B02452-00

Order No.	Unit price	Description
B02460-03	190,00	Dual Output module CHQ-DSC2(SCI) „Smart Fix" with 2 monitored outputs, monitored input and Dual-Isolator / incl. IP54 surface mounted housing

- With two Sounder Control Outputs each 1A / 24V, fully monitored for open wire and short circuit
- Both outputs are programmable at the FCP and can be switched independently, e.g. For conventional sounders
- Requires separate power supply
- Additional input for monitoring the power supply
- With ESP protocol and so immune against EMC interferences
- Low power mode at power blackout
- Cable entry through pre-punched outbreaks at the side and back

Technical specifications	
Operating voltage	17 - 41 V DC
Quiescent current normal	340 µA
Quiescent current low Power	250 µA
Operating temperature	-10 °C to +50 °C
Humidity	max. 95 %
Dimensions (WxHxD)	157 x 127 x 35 mm
Weight	360 g
Control outputs	
ext. Operating voltage	19,2 - 30 V DC
Control output	each max. 1 A / 24 V DC
Fuse	2 x 1 Amp
EOL resistor	1k Ohm
Certifications	
VdS-No.	G 217083
EC certificate	0832−CPR-F1351

B02461-00	226,00	Dual Output module CHQ-DSC2/DIN(SCI), 2 monitored Sounder Control Outputs, 1 monitored input, incl. dual isolator / DIN rail mounting

- As B02460-03 but DIN rail housing

Technical specifications	
Dimensions (LxWxH)	119 x 24 x 108 mm
Weight	145 g
Certifications	
VdS-No.	G 217084
EC certificate	0832−CPR-F1352

B02461-03	250,00	Dual Output module CHQ-DSC2/DIN(SCI)/SIL, 2 monitored Sounder Control Outputs, 1 monitored input, incl. dual isolator / DIN rail mounting

SIL2 approved

- Else like B02461-00

Order No.	Unit price	Description
B02446-00	84,00	**Relay output module CHQ-SOM with 1 relay output 30V / 1A, „loop-powered"**

- The unit incorporates a volt-free relay contact that can be configured as either N/O or N/C
- In housing with open connection cables (if necessary, installation in protective house is recommended)
- With ESP protocol and so immune against EMC interferences
- „loop-powered" through low current consumption
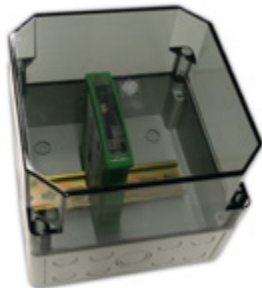
Technical specifications	
Operating voltage	17 - 41 V DC
Quiescent current normal	150 µA
Relay output	30 V DC / 1 A
Operating temperature	-10 °C to +50 °C
Humidity	max. 95 %
Dimensions	65 x 42 x 15 mm
Weight	25 g
Certifications	
VdS-No.:	G 215005
EC certificate	0832-CPD-2014

Accessories for the ESP modules

Order No.	Unit price	Description
B02432-00	60,00	**EOL devices TE-RH-E as spare parts**

For modules:
- CHQ-SZM2(SCI)
- CHQ-SZM2(DIN)SCI
- CHQ-DZM
- CHQ-DZM(I.S.)
- CHZ-DZM/DIN(SCI)I.S.

- one bag = 10 pcs.

B02470-00	24,00	**CHQ-BACKBOX - weatherproof back box designed specifically for use with the CHQ „Smart-Fix" range of modules**

- When the „Smart-Fix" Module is bolted to the CHQ-BACKBOX the whole unit is then IP rated to IP65
- Manufactured in durable ABS and colour matched to the „Smart-Fix" Module base, the CHQ-BACKBOX gives the installer complete flexibility
- The CHQ-BACKBOX features 10 knockouts for glanded cable entry (glands not supplied)

B02471-00	11,50	**White cover for "Smart Fix" modules**

- To replace the transparent cover

Technical specifications	
Colour	RAL 9003

B07550-00	110,00	**Housing for loop modules and galvanic isolators, IP rate 66, incl. DIN rail**

- suitable for all DIN RAIL modules B024xx-xx
- Ideal for the above modules as well as for galvanic isolators (chapter 7)
- Space for 6 isolators / modules
- High protected by IP rating 66
- Incl. DIN rail

Technical specifications	
IP rate	IP66
Weight	750 g
Dimensions (LxWxH)	180 x 180 x 165 mm

DO NOT PAINT

3 Conventional Detectors

3

Conventional CDX detectors

Order No.	Unit price	Description

B03003-00   29,60

Optical smoke detector SOC-E3N(WHT) with Flat-Response-Technology, according to EN 54, part 7

- Optical smoke detector with working principle of scattering light detection
- Flat-Response-Technology for optimized smoke detection. Removing the need to use Ionisation sensors in the majority of applications and this allows the sensor threshold level to be increased, thereby improving the signal to noise ratio and reducing susceptibility to false alarms
- Alarm output for remote indicator
- Twin fire alarm LEDs give 360° view in case of alarm condition
- Exchangeable smoke chamber

Technical specifications	
Operating voltage	12 - 30 V DC
Quiescent current	35 µA
Alarm current	max. 40 mA
Remote indicator drive	max. 20 mA (type 9,5-14mA)
Operating temperature	-10 °C to +50 °C
Humidity	max. 95 %
Housing	ABS
Colour	white RAL 9003
Dimensions (D x H)	100 x 46 mm, with base
Weight	95 g (145 g with base)
Certifications	
VdS-No.	G 208040
EC certificate	0832−CPD-0614

B03015-00   28,90

Fixed temperature heat detector 60°, DFJ-AE3(WHT), according to class A1 and A1S of EN 54, part 5

- The DFJ-AE3 is using a thermistor and linearization circuit to provide an accurate linear heat response
- Twin fire alarm LEDs give 360° view in case of alarm condition
- Alarm output for remote indicator

Technical specifications	
Operating voltage	9,5 - 30 V DC
Quiescent current	35 µA
Alarm current	max. 40 mA
Remote indicator drive	max. 20 mA (type 9,5-14mA)
Operating temperature	-10 °C to +50 °C
Humidity	max. 95 %
Housing	Polycarbonat
Colour	white RAL 9003
Dimensions (D x H)	100 x 47 mm, with base
Weight	76 g (126 g with base)
Certifications	
VdS-No.	G 204046
EC certificate	0832−CPD-0118

Order No.	Unit price	Description

B03020-00 28,90 **Fixed temperature heat detector 90°, DFJ-CE3(WHT), according to class C and CS of EN 54, part 5**

- The DFJ-CE3 is using a thermistor and linearization circuit to provide an accurate linear heat response Twin fire alarm LEDs give 360° view in case of alarm condition
- Alarm output for remote indicator

Technical specifications	
Operating voltage	9,5 - 30 V DC
Quiescent current	35 µA
Alarm current	max. 40 mA
Remote indicator drive	max. 20 mA (type 9,5-14mA)
Operating temperature	-10 °C to +50 °C
Humidity	max. 95 %
Housing	Polycarbonat
Colour	white RAL 9003
Dimensions (D x H)	100 x 47 mm, with base
Weight	76 g (126 g with base)
Certifications	
VdS-No.	G 204047
EC certificate	0832−CPD-0119

B03025-00 28,90 **Combined Rate of Rise / Fixed temperature 60° heat detector,DCD-AE3(WHT) according to class A1 and A1R of EN 54, part 5**

- The DCD-AE3 is using a thermistor and linearization circuit to provide an accurate linear heat response
- The head combines a rate of rise element and an additional fixed temperature element
- Twin fire alarm LEDs give 360° view in case of alarm condition
- Alarm output for remote indicator

Technical specifications	
Operating voltage	9,5 - 30 V DC
Quiescent current	35 µA
Alarm current	max. 40 mA
Remote indicator drive	max. 20 mA (type 9,5-14)
Operating temperature	-10 °C to +50 °C
Humidity	max. 95 %
Housing	Polycarbonat
Colour	white RAL 9003
Dimensions (D x H)	100 x 47 mm, with base
Weight	76 g (126 g with base)
Certifications	
VdS-No.	G 204044
EC certificate	0832−CPD-0116

3

3

Order No.	Unit price	Description

B03030-00   **28,90**   **Combined Rate of rise / Fixed Temperature 90° heat detector, DCD-CE3(WHT), according to class C and CR of EN 54, part 5**

- The DCD-CE3 is using a thermistor and linearization circuit to provide an accurate linear heat response
- The head combines a rate of rise element and an additional fixed temperature element
- Twin fire alarm LEDs give 360° view in case of alarm condition
- Alarm output for remote indicator

Technical specifications	
Operating voltage	9,5 - 30 V DC
Quiescent current	35 µA
Alarm current	max. 40 mA
Remote indicator drive	max. 20mA (type 9,5-14)
Operating temperature	-10 °C to +50 °C
Humidity	max. 95 %
Housing	Polycarbonat
Colour	white RAL 9003
Dimensions (D x H)	100 x 47 mm, with base
Weight	76 g (126 g with base)
Certifications	
VdS-No.	G 204045
EC certificate	0832–CPD-0117

B03050-00   **79,80**   **Fixed temperature heat detector 60°, DFG-60BLKJ, waterproof, VdS approved**

- Heat detector for waterproof applications
- High IP rate of IP 67
- Ideal for rooms with very high humidity
- Bi-Metal-sensor therefore no quiescent current
- Accurate response to fast riding temperature as well as to slow rising temperatures
- No mounting base necessary
- Twin fire alarm LEDs give 360° view in case of alarm condition
- Alarm output for remote indicator

Technical specifications	
Operating voltage	15 - 30 V DC
Alarm current	max. 50 mA
Operating temperature	-30 °C to +60 °C
IP rating	IP 67
Colour	ivory white
Dimensions (D x H)	98 x 45 mm
Weight	80 g
Certifications	
VdS-No.	G 204048
EC certificate	0832–CPD-0120

Mounting bases for conventional detectors

Order No.	Unit price	Description
B03100-00	5,00	**Standard mounting base for CDX conventional detectors**

- compatible to the devices B03000-00 to B03030-00
- Easy and quick assembly of the detector
- low profile design
- Alarm output terminal
- without electronics and so very robust and reliable

Technical specifications	
Colour	white RAL 9003
Humidity	max. 95 %
Dimensions (D x H)	100 x 8 mm

Order No.	Unit price	Description
B03107-00	36,50	**Relay base for CDX conventional detectors (non-latching)**

- compatible to the devices B03000-00 to B03030-00
- in case of alarm the integrated relay switches automatically
- the relay can be configured as N/O or N/C
- when the alarm criterion (smoke) is gone the relay falls back

Technical specifications	
Operating voltage	9,5 bis 30V DC
Relay contact	max. 1A / 30V DC
Colour	white RAL 9003
Dimensions (D x H)	100 x 13 mm

Order No.	Unit price	Description
B03109-00	25,80	**Relay base for CDX conventional detectors (latching)**

- compatible to the devices B03000-00 to B03030-00
- in case of alarm the integrated relay switches automatically
- the relay can be configured as N/O or N/C
- the alarm relay stays activated (latching) until there is a power reset

Technical specifications
same as B03107-00

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Manual Call Points according to EN54-11

Order No.	Unit price	Description

B03360-00   23,00   **Manual Call Point, red ABS, conventional detector, flush mounting**

- according to standard EN-54, part 11, Type A (one action Call Point)
- By breaking the glass the alarm is activated immediately (no additional push button to be pressed)
- flush mounting housing
- Glass protected by a plastic foil to prevent any injury

Technical specifications	
Connection type	2-wire
Operating voltage	12 - 28 V DC
Quiescent current	0 µA
Alarm current	50 mA (24V)
Alarm resistor	470 Ohms
Operating temperature	- 25°C to +55 °C
IP rating	IP 42
Dimensions	89 x 93 x 27,5 mm
Colour	RAL 3000
Weight	110 g

B02325-00   6,50   **Back Box for Manual Call Point B03360-00, for surface mounting**

Technical specifications	
Weight	51 g

B03362-00   167,60   **Manual Call Point, red ABS, IP 67, conventional detector, surface mounting**

- according to standard EN-54, part 11, Type A (one action Call Point)
- By breaking the glass the alarm is activated immediately (no additional push button to be pressed)
- Glass protected by a plastic foil to prevent any injury

Technical specifications	
Connection typee	2-wire
Operating voltage	12 - 28 V DC
Quiescent current	0 µA
Alarm current	50 mA (24V)
Alarm resistor	470 Ohms
Operating temperature	- 25°C to +55 °C
IP rating	IP 67
Dimensions	98 x 94 x 78 mm
Colour	RAL 3000
Weight	234 g

4   Detector Testing Equipment and Accessories

Testing Equipment for point detectors

Order No.	Unit price	Description
B04010-00	1.780,00	**Professional Kit "Solo811" for smoke detector testing up to 6 m reach heights**

- 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

Order No.	Unit price	Description
B04015-00	3.820,00	**Testifire Kit 6001-101 (battery powered), up to 6 m reach height**

- 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

Order No.	Unit price	Description
B04017-00	4.290,00	**Testifire Kit 9001-101 (battery powered), up to 9 m reach height**

- 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

Order No.	Unit price	Description
B04025-00	3.140	**Super Kit "Solo 822" for smoke and heat detector testing (battery powered) up to 6 m reach height**

- 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**	**Super Kit "Solo 823" for smoke and heat detector testing (battery powered) up to 9,3 m reach height**

- 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

Order No.	Unit price	Description
B04040-00	**768,00**	**Telescopic pole "Solo100", 1,26 to 4,5 m**

- 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

Order No.	Unit price	Description
B04043-00	**349,00**	**Telescopic pole "Solo108", 1,27 to 2,5 m**

- 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

Order No.	Unit price	Description
B04045-00	**172,00**	**Extension pole "Solo101", 1,13 m**

- 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

Order No.	Unit price	Description
B04050-00	**420,00**	**Universal Removal Tool "Solo 200"**

- 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

4

Order No.	Unit price	Description

B04055-00   2.380,00   **Testifire 1001-101 Multi-Stimulus Smoke/Heat head unit incl. 2 batteries + charger**

- 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**

Attention: past warranty of 2 years the manufacturer does not replace or repair any more Testifire devices

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B04056-00   1.850,00   **Testifire 1000-001 Multi-Stimulus - Smoke / Heat head unit**

- 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

Attention: past warranty of 2 years the manufacturer does not replace or repair any more Testifire devices

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B04057-00   2.380,00   **Testifire 2000-001, Multi-Stimulus - Smoke / Heat / CO head unit**

- 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

Attention: past warranty of 2 years the manufacturer does not replace or repair any more Testifire devices

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B04058-00   2.890,00   **Testifire 2001-101, Multi-Stimulus Smoke/Heat/CO head unit incl. batteries + charger**

- **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

Attention: past warranty of 2 years the manufacturer does not replace or repair any more Testifire devices

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B04059-00   228,00   **Infrared remote control fpr all Testifire testing devices**

- To start test procedure

Order No.	Unit price	Description
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"

4

Order No.	Unit price	Description

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	**Heat Detector Tester Kit "Solo 461" (battery powered) incl. batteries and charger**

- 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	**Heat Detector test head unit "Solo 460" (battery powered)**

- 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	**Replacement battery SOLO 770-001 for Solo 460, Testifire and Scorpion Control Unit**

B04086-00	248,00	**Fast Recovery Charger Solo 727 for battery B04084-00**

B04090-00	262,00	**Protective, carrying bag "Solo610", robust black nylon**

- Two parts, one for the tester, removal tool and for the aerosols and one for the telescopic poles

4

Testing Equipment for Aspirating Smoke Detectors

Order No.	Unit price	Description

B04130-00   482,00   **Scorpion head unit 2001, remote smoke detector test system for aspirating smoke detectors (ASD)**

- 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   **Scorpion heat unit 1001, for automatic remote testing of point smoke detectors**

- 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   **Scorpion control-unit to control up to 8 Scorpion head-units (B04130-00 = 2001 and B04133-00 = 1001)**

- 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
- **Battery B04084-00 and battery cable B04145-00 are required**

B04145-00   84,00   **Battery cable for Scorpion control-unit B04140-00**

- 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**

- Can with 250 ml
- Non-flammable formulation
- Fast activation and clearing times

Order No.	Unit price	Description
B05112-00	61,90	**Smoke Cartridges AX-60, white**

- Generates white smoke for testing of aspirating smoke systems
- 5 cartridges in one box
- smoke volume per cartridge : 55m³
- Burning time: 180-240 sec.

Order No.	Unit price	Description
B05113-00	66,20	**Smoke Pen with 6 wicks**

- 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.

Order No.	Unit price	Description
B05113-01	54,50	**Smoke Pen Refill**

- Spare part for Smoke Pen B05113-00
- Content : 6 refills

Remote Indicators

Order No.	Unit price	Description

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**
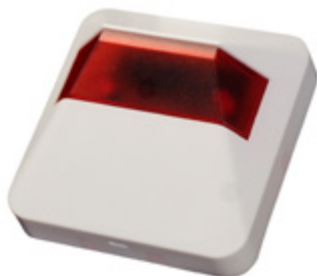
- Red lens cover, shape of a prism
- 2 integrated, bright LEDs
- Low current
- When using "Solution F1/F2" panels the indicators are individual programmable

- **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
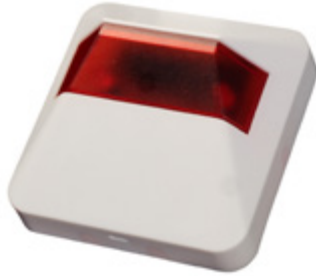
B04111-00   35,00   **Conventional remote indicator "Prism", attractive looking white housing with red lens, VdS approved**

- 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

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Detector Accessories / Mounting Base Accessories

Order No.	Unit price	Description

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

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.

B04310-00   24,50   **Recess mounting base adapter**

- Suitable for conventional and analogue addressable standard bases
- To be flush mounted to the ceiling surface (without screws, simply clamped)
- Mounting base and detector are flush mounted too and so attractive looking
- Generous cable inlets

Order No.	Unit price	Description

B04315-00   4,80   **Base mounting adapter**

- Suitable for conventional and analogue addressable mounting bases with diameter 100mm
- The adapter ensures a distance of 16 mm between detector and ceiling
- Cable inlet from the side for surface mounted cables

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

5 Special Application Detectors

5

Aspirating Smoke Detectors „Stratos - ModuLaser"

Order No.	Unit price	Description
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)

Order No.	Unit price	Description
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
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)

Order No.	Unit price	Description
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)

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Aspirating Smoke Detectors „Stratos"

Order No.	Unit price	Description
B05025-00	1.378,00	**STRATOS "Micra 10" Aspirating Smoke Detector, laser based detection system, incl. surface mounted enclosure**

- Laser based aspirating smoke detector with width 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

ATTENTION !

Adaptor B05140-25 necessary for ¾" pipe

Technical specifications	
Operating voltage	21,6 – 26,4 V DC
Current consumption	250 mA
Sensitivity	0,03% – 25% obs/m
Sensitivity resulution	max. 0,0015% obs/m
Max. pipe length	1 x 50m
Pipe diameter	¾" 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

Order No.	Unit price	Description
B05050-00	3.580,00	**STRATOS HSSD2 Laser detector, steel enclosure, 4 pipes, 1 zone**

- 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

ATTENTION !

Adaptor B05140-25 necessary for ¾" pipe

Technical specifications	
Operating voltage	21,6 - 26,4 V DC
Current consumption	280 -750 mA
Sensitivity	0,03% – 25% obs/m
Sensitivity resulution	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	¾" 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

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
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

ATTENTION !

Adaptor B05140-25 necessary for ¾" pipe

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

Order No.	Unit price	Description
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

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Stratos accessories

Order No.	Unit price	Description

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

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

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Order No.	Unit price	Description
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

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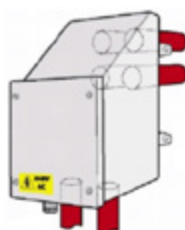
- To be used for pipe system below -10°Celsius
- To be installed in pipe system so that the air gets heated before entering the detector
- Operating voltage 230V AC

Order No.	Unit price	Description

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.

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Aspirating Smoke Detectors „FAAST"

Order No.	Unit price	Description
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 devises
- Adjustable fan speed in 10 steps
- 9 adjustable sensitivity levels
- Pre-Alarm functionality
- High sensitive detection algorithms to reduce false alarms
- Replaceable filter unit
- PipeIQ 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

Order No.	Unit price	Description
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

Order No.	Unit price	Description
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 FAAST LT, PU to 1 pcs.**

- approved for FAAST detectors

Order No.	Unit price	Description
B05488-33	125,00	**Replacement filter (internal) for aspirating smoke detector FAAST 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**

- 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

Technical specifications	
Material	ABS, red
Operating temperature	-40°C to +60°C
Tensile strength (at 23°C)	>37 N/mm²

B05131-25	20,00	**45° Angle, d=25mm**

- Material: ABS, red

Note! Packing unit = 10 pcs.

B05132-25	65,00	**90° Arc, d=25mm**

- Material: ABS, red

Note! Packing unit = 10 pcs.

B05133-25	13,00	**Socket, d=25mm**

- Material: ABS, red

Note! Packing unit = 10 pcs.

B05134-25	24,00	**T piece, d=25mm**

- Material: ABS, red

Note! Packing unit = 10 pcs.

B05137-25	54,00	**Union with O-Seal, d=25mm**

- Material: ABS, red
- caulking by O-seal

Note! Packing unit = 10 pcs.

Order No.	Unit price	Description
B05138-25	15,00	**End cap, d=25mm**

- Material: ABS, red

Note! Packing unit = 10 pcs.

Order No.	Unit price	Description
B05140-25	5,50	**¾" x 25 mm Adaptor**

- Material: ABS, red
- Pipe is ¾" and socket reduces to 25mm

Note! Packing unit = 1 pcs.

Order No.	Unit price	Description
B05153-25	24,80	**Flush Sampling Capillary Kit**

- Completely assembled sampling kit with
- **2m capillary tube red**
- coupling to fit in pipe system
- flush mounted sampling capillary

Order No.	Unit price	Description
B05160-25	112,00	**Check valve ABS**

- for cleaning of the pipe system by compressed air, d=25 mm

Order No.	Unit price	Description
B05162-25	15,80	**Coupling to fit in ABS pipe system with additional coupling for sampling capillary**

- Material: ABS, grey
- Fits perfectly e.g. in T-piece B05134-00

Order No.	Unit price	Description
B05163-00	8,50	**Sampling Capillary, flush mounted, flat**

- For discrete mounting of the pipe in ceilings
- With flange for screwing

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Order No.	Unit price	Description
B05165-25	**126,00**	**Pipe/Capillary coupling**

- d = 25mm
- with 10mm capillary connection
- Material: ABS, red

Note! Packing unit = 10 pcs.

B05169-00	**2,80**	**Flexible Capillary tube, red**

- Material: nylon, d=10 mm
- price per m

B05169-01	**2,80**	**Flexible Capillary tube, white**

- Material: nylon, d=10 mm
- price per m

B05170-00	**175,00**	**Nylon hose, natural, d = 25mm**

- 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

Note! Packing unit = 25m

B05271-00	**230,00**	**Inline air filter (grey) for intake pipe d=25mm and d=3/4"**

- For use in rooms with a high dustiness
- Increases the lifespan of RAS detectors and reduces maintenance
- Filter elements can be replaced easily

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Order No.	Unit price	Description
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 ¾" 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

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Order No.	Unit price	Description

B05180-25 100,00 **Pipe fixing 25-27mm**

- Material: ABS, red

Note! Packing unit = 100 pcs.

B05181-25 14,40 **Pipe fixing with adjustable height, 25-27mm**

- Incl. M8 x 60 mm bolt thread

B05185-00 13,60 **ABS Cement**

- 250 ml tin

B05185-02 27,90 **ABS special glue DURAPIPE**

- Can of 500 ml

B05185-01 31,20 **Cleaner for ABS materials**

- Can of 500 ml

Order No.	Unit price	Description
B05186-00	22,00	**Warning sticker, 100 pcs.**

- For marking of the holes of the pipe system
- diameter 23mm
- prepared 4mm hole
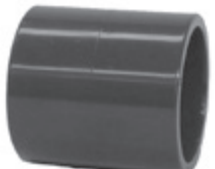
Order No.	Unit price	Description
B05190-00	90,00	**Pipe cutter for ABS pipes**

- High quality cutting tool with ratchet

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PVC pipes and fittings, d=25mm

Order No.	Unit price	Description
B05225-00	9,20	**PVC pipe 25/1,5 mm**

- 5 m pole, grey

B05230-00	12,80	**PVC End cap**

- grey, d=25mm

Note! Packing unit = 10 pcs.

B05232-00	13,60	**PVC angle 90°**

- grey, d=25mm

Note! Packing unit = 10 pcs.

B05235-00	72,00	**PVC Union with O-seal**

- grey, d=25mm

Note! Packing unit = 10 pcs.

B05237-00	34,00	**PVC arc, 90°**

- grey, d=25mm

Note! Packing unit = 5 pcs.

B05240-00	11,80	**PVC socket**

- grey, d=25mm

Note! Packing unit = 10 pcs.

Order No.	Unit price	Description
B05242-00	25,60	**PVC angle 45°**

- grey, d=25mm

Note! Packing unit = 10 pcs.

Order No.	Unit price	Description
B05245-00	17,60	**PVC T piece**

- grey, d=25mm

Note! Packing unit = 10 pcs.

Order No.	Unit price	Description
B05249-00	76,00	**Pipe fixing, PVC**

- for pipe d=25mm

Note! Packing unit = 100 pcs.

Order No.	Unit price	Description
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**

- Complete set for easy installation, already done mounted
- Allows concealed mounting of the intake pipe

Order No.	Unit price	Description
B05262-00	114,00	**Check valve PVC-Uv**

- for cleaning of the pipe system, separate hose connection for compressed air
- d=25 mm

Order No.	Unit price	Description
B05262-01	93,60	**Check valve PVC-U**

- for cleaning of the pipe system by compressed air
- d=25 mm

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Order No.	Unit price	Description
B05270-00	83,60	**Filter box for PVC pipe, d=25mm**

- 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**

- 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**

- for connecting compressed air to clean the pipe system

B05280-00	39,80	**Tangit glue for PVC pipes**

- 1 kg

Order No.	Unit price	Description
B05281-00	14,60	**Tangit glue for PVC pipes**

- 245 ml

B05281-50	26,80	**Tangit glue for PVC pipes**

- 485 ml

B05285-00	31,20	**Cleaner for PVC materials**

- 1000 ml

B05288-00	264,00	**Water & Dust Trap for PVC pipes**

- 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

5

Intrinsically Safe Detectors, conventional

Order No.	Unit price	Description

B05300-00 120,00 **CDX Optical Smoke Detector Intrinsically Safe, SLR-E-IS**

- Optical Smoke Detector according to the scattered light principle, I.S. version
- Flat-Response-Technology for optimized smoke detection
- Alarm output for remote indicator
- Twin fire alarm LEDs give 360° view in case of alarm condition

Technical specifications	
Operating voltage	15 - 30 V DC
Quiescent current	50 µA
Alarm current	max. 50 mA
Operating temperature	-10°C to +50°C
Humidity	max. 95 %
Colour	ivory
Dimensions	100 x 46 mm (D x H)
Weight	115g (160g with base)
Certifications	
VdS-No.	G 212172
BASEEFA approval	BAS01ATEX1281/1
EC-Certificate	0832−CPD-0113

B05310-00 120,00 **CDX Heat Detector 60° Intrinsically Safe, DCD-1E-IS**

- Heat detector acc. to EN54, part 5, class A1
- Certified by BASEEFA
- Alarm output for remote indicator
- Twin fire alarm LEDs give 360° view in case of alarm condition

Technical specifications	
Operating voltage	15 - 30 V DC
Quiescent current	50 µA
Alarm current	max. 50 mA
Operating temperature	-10°C to +50°C
Humidity	max. 95 %
Colour	ivory
Dimensions (mit Sockel)	100 x 46 mm (D x H)
Weight	115g (160g with base)
Certifications	
VdS-No.	G 212171
BASEEFA approval	BAS01ATEX1021
Baseefa	00(C)0649
EC-Certificate	0832-CPD-0121

B05330-00 9,00 **Mounting base YBO-R/4IS for above I.S. detectors**

- Easy and quick assembly of the detector
- low profile design
- Alarm output terminal
- without electronics (very robust and reliable)

Technical specifications	
Max. Humidity	95 %
Colour	ivory
Max. cable cross-section	2,5 mm²
Dimensions	100 x 8mm (D x H)

Order No.	Unit price	Description
B05360-00	**289,00**	**Conventional Manual Call Point CCP-E-I.S.**

- According EN54-11 (one action Call Point)
- surface mounted
- By breaking the glass the alarm is activated immediately (no additional push button to be pressed)
- Glass protected by a plastic foil to prevent any injury
- Red polyphenylene Oxide housing
- To be connected via a galvanic isolator B05340-00

Photo incl. Back Box

Technical specifications	
Operating voltage	15 – 30 V DC
Alarm current	20 mA
ATEX classification	II 1 G Eex ia II T4
Operating temperature	-13°C to +70°C
Text	"FIRE / Break glass"
Dimensions	88 x 88 x 33 mm
Weight	100 g

B05361-00	**7,30**	**Back Box for MCP B05360-00**

B05363-00	**7,80**	**Spare Glass for MCP B05360-00**

B05340-00	**336,00**	**Galvanic Isolator for I.S. detectors, 2 channels**

- 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
IP rating	IP 20
Weight	100 g
Certifications	
BASEEFA approval	BAS01ATEX7160

Housing B07550-00 for galvanic isolators see chapter 7

Conventional Detectors , Marine-approved

Order No.	Unit price	Description

B05371-00 52,00 **Conventional Marine Approved Photoelectric Smoke Detector, SOC-E3NM, CDX-conventional**

- Optical Smoke Detector according to the scattered light principle, Marine approved
- Flat-Response-Technology for optimized smoke detection
- This provides a considerably extended range of response to combustible materials (broadband detectors)
- Twin fire alarm LEDs give 360° view in case of alarm condition
- Remote Indicator output
- Removable, High Performance chamber
- Automatic Sensitivity Window Verification (ASWV)
- Base without electronics, therefore insensitive to interference

Technical specifications	
Operating voltage	9,5 - 30 V DC
Quiescent current	35 µA
Alarm current	max. 40 mA
Operating temperature	-25 °C to +70 °C
Humidity	max. 95 %
Colour	ivory
Dimensions	100 x 38 mm (D x H)
Weight	95 g
Certifications	
MED-Certificate	MEDB00002TX

B05373-00 49,00 **Conventional Marine Approved 60°C, Combined Heat Detector, DCD-AE3M, CDX-conventional**

- Heat detector 60°C
- Included multi heat sensors with fixed temperature evaluation and rate of rise
- Twin fire LEDs allow 360 degree viewing
- Parallel alarm output
- Base without electronics, therefore insensitive to interference

Technical specifications	
Operating voltage	9,5 - 30 V DC
Quiescent current	35 µA
Alarm current	max. 40 mA
Operating temperature	-10 °C to +50 °C
Humidity	max. 95 %
Colour	ivory
Dimensions	100 x 38 mm (D x H)
Weight	76 g
Certifications	
MED-GL-Certificate	20 278 - 04 HH

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Order No.	Unit price	Description
B05375-00	49,00	**Conventional Marine Approved 90°C, Combined Heat Detector, DCD-CE3M, CDX-conventional**

- Heat detector 90°C
- Included multi heat sensors with fixed temperature evaluation and rate of rise
- Twin fire LEDs allow 360 degree viewing
- Parallel alarm output
- Base without electronics, therefore insensitive to interference

Technical specifications	
Operating voltage	9,5 - 30 V DC
Quiescent current	35 µA
Alarm current	max. 40 mA
Operating temperature	-10°C to +50°C
Humidity	max. 95 %
Colour	ivory
IP-Class	IP 63
Dimensions	100 x 38 mm (D x H)
Weight	76 g
Certifications	
MED-GL-Certificate	20 278 - 04 HH

Order No.	Unit price	Description
B05380-00	6,50	**Conventional Marine Approved Detector Mounting Base, YBN-R/6M, CDX-conventional**

- Bayonet slot, low insertion force for detectors
- Low Profile, only 8 mm
- Electronics free

Technical specifications	
Colour	ivory
Humidity	max. 95 %
Dimensions	100 x 8mm (D x H)

5

Flame Detectors (IR and UV)

Order No.	Unit price	Description
B05401-00	480,00	**Conventional IR Flame detector DRD-E**

- Detector according to class 1 EN54-10:2002
- Detection range up to 25m
- Low current consumption
- **Please order mounting base B05406-00 separately**

Technical specifications	
Operating voltage	15-30V DC
Quiescent current	70μA (24V DC)
Alarm current	40 mA
Detection angle	90°
Max Distance	max. 25 m
Operating temperature	-10°C to +50°C
Colour	ivory
Dimensions	100 x 37 mm (DxH)
Weight	124 g
Certifications	
VdS-No.	G 210114
EC-Certificate	0832-CPD-1347

B05406-00	5,00	**Mounting base YBN-R/6 for Flame Detector DRD-E**

- Easy and quick assembly of the detector
- low profile design
- without electronics, very robust and reliable

Technical specifications	
Colour	ivory
Humidity	max. 95 %
Dimensions	100 x 8 mm (DxH)

B05408-00	98,00	**Wall and Ceiling Mount YZU-A for flame detectors B05401-00**

- **For flame detector part no. B05401-00**
- **Mounting base B05406-00 not included**

Order No.	Unit price	Description

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 Aloy
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 Aloy
Dimensions (WxHxD)	108 x 142 x 82 mm
Weight	2 kg
Certifications	
VdS-No.	G 212189
EC-Certificate	0832-CPD-0597
ATEX-Certificate	BAS02ATEX1001

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Order No.	Unit price	Description

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 Aloy
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

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

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

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Linear optical Smoke Detectors, ESP-FireBeam

Order No.	Unit price	Description
B05540-00	940,00	**ESP-FireBeam Xtra, addressable ESP-Detector, Range 7-70m (Version 2020)**

- Loop powered!
- Incl. 1 reflector and control unit
- Range: 7-70 m (opt. 140m)
- IP-Rating: IP65
- VdS-No.: G 211020

B05543-00	149,80	**ESP-FireBeam Xtra extension kit 70-140m (Version 2020)**

- Extension to a range of 70-140m
- Mounting panel with 3 reflectors

B05544-00	170,00	**ESP-FireBeam Xtra anti-fog kit (Version 2020)**

- Including 1x anti-fog cover for beam detector and 1x anti-fog reflector

B05544-01	308,00	**ESP-FireBeam Xtra anti-fog range extension kit 70-140m (Version 2020)**

- Anti-fog version for range extension
- Including 3x anti-fog reflectors

B05548-00	208,00	**Wall mount for ESP-FireBeam (Version 2020)**

- With a ballhead for beam detector or reflector

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Linear optical Smoke Detectors, Type OSID

Order No.	Unit price	Description
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 configurationt

- **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

Order No.	Unit price	Description
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 -**

- 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 tp 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**

B05556-00 390,00 **Standard Emitter - 24V DC Version -**

- 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 -**

- A maximum of 7 transmitters can be combined with 1 receiver (OSI-90)
- Range12-68m
- 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:
- Laser alignment tool
- test filter
- PC cable
- cleaning cloth and manual

B05561-00   318,00   **Protection Housing for OSID receiver**

- Provides protection against moisture and dust
- Prepared for mounting the receiver
- Transparent windows to view alarm and fault LEDs
- Incl. cable entries

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**

- Provides protection against moisture and dust
- Prepared for mounting the emitter
- Incl. cable entries

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**

- Packing unit 10 pcs.

B05565-00   78,00   **FTDI-Cable 1,5 m**

Linear optical Smoke Detectors, FIRERAY

Order No.	Unit price	Description

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
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

Order No.	Unit price	Description
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

Order No.	Unit price	Description
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

Order No.	Unit price	Description
B05578-01	104,00	**Prism Plate for 1 Fireray prism reflector for use with universal mount B05578-00**

Order No.	Unit price	Description
B05578-02	116,00	**Priam Plate for 4 Fireray prism reflector for use with universal mount B05578-00**

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Order No.	Unit price	Description

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

B05578-18   67,80   **FireRay Detector Cage**

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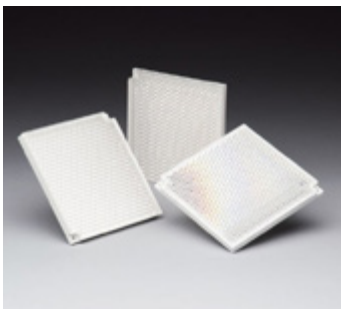- Protects the detector from vandalism or e.g. against ball-throwing

B05579-00   188,00   **Long Range Kit for B05570-00, max distance 100m**

- Comprises three additional refelctive prisms

Order No.	Unit price	Description

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*

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Order No.	Unit price	Description
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
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

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

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Order No.	Unit price	Description
B05592-00	**166,00**	**Adjustment Bracket for FIRERAY 3000, FIRERAY 5000 and FIRERAY 50R / 100R**

- 360° rotation plus 180° degree adjustment

B05578-18	**67,60**	**FireRay Detector Cage**

- 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)**

- 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, conventional

Order No.	Unit price	Description
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

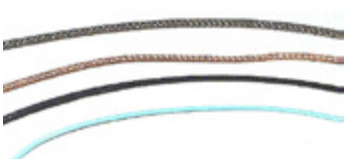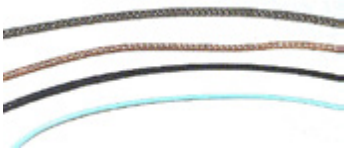| Technical specifications	
Operating voltage	20-28 V DC
Quiescent current	max. 70 mA (24V)
Alarm current	max. 80 mA (24V)
Fault current	max. 70 mA (24V)
Relay output	Pre alarm/alarm (2A, 30V)
Fault outputs	phototransistor (20mA, 50V)
Residual stress	20-28VDC (5 s)
Operating temperature	0°C to +50°C
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	
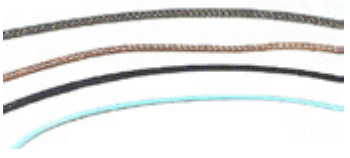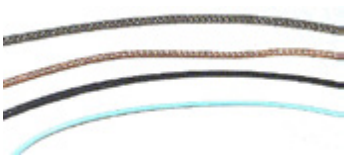
B05606-00	2.330,00	**Linear Heat detector Alarmline II**

Technically identical to B05605-00 but:
- Displays on the device by LEDs and LC-Display
- Programmable per laptop and manual at the device

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Order No.	Unit price	Description
B05625-00	**10,60**	**Heat sensor cable (red), standard cable for Alarmline II**
		▪ Dust and water resistant
		▪ Price per m
B05626-00	**13,70**	**Heat sensor cable (black), with nylon surface for Alarmline II**
		▪ Resistant against acids
		▪ Price per m
B05627-00	**16,50**	**Heat sensor cable (polypropylene), for Alarmline II**
		▪ Base- and solvent resistant
		▪ Price per m
B05628-00	**33,40**	**Heat sensor cable (black) for Alarmline II**
		▪ 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**
		▪ **Packing Unit = 200 pcs.**
B05638-16	**40,00**	**Dowel clamp for fastening base**
		▪ **Packing Unit = 200 pcs.**

Order No.	Unit price	Description

**B05700-00**   750,00   **Linear Heat detector SKM-03**

- Thermal cable with max. length of 300 m can be connected
- The cable provides information to the Control
  Unit about rising temperatures
- Consisting of two housings : the control unit and the end unit
- Relay outputs for alarm and fault condition
- LEDs for alarm and fault condition
- Usable to a height of 6m

Technical specifications	
Operating voltage	24V DC
Quiescent current	31 mA
Alarm current	66 mA
Display, LED	yellow: Fault / red: Alarm
Relay output	Alarm, Fault (1A, 24 V)
IP rating	IP 54
Dimensions (HxBxT)	105 x 105 x 65 mm
Weight	270 g
Certifications	
VdS-No.	G 203076

B05720-00   10,40   **Thermal cable (red), standard cable for SKM detector**
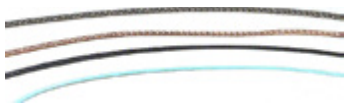
- Dust and water resistant
- Diameter 3,2 mm
- Tensile strength : <200 N
- **Price per m**

B05721-00   16,80   **Thermal cable (black), for SKM detector**

- Acid resistant
- Diameter 4 mm
- Tensile strength : <200 N
- **Price per m**

B05723-00   22,00   **Thermal cable with stainless steel shielding, for SKM detector**

- robust, non-rusting
- diameter 4,2 mm
- Tensile strength 1.000 N
- **price per m**

B05725-00   8,20   **Coupling piece to connect two thermal cables (SKM cables)**

- E.g. to repair a SKM cable

B05728-00   39,40   **Mounting clip for SKM thermal cable**

- For quick installation
- No additional dowels necessary
- No screws necessary
- **bag of 100 pcs.**

5

Addressable Linear Heat Cable "Listec"

Order No.	Unit price	Description

B05650-00 **3.098,00** **Control Unit SCU800/03 for heat sensor cable SEC15**

- 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

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

B05653-00 **2.350,00** **Remote Display RDU 316 for the control unit SCU800/03**

- Displays alarm and other status events
- Connection via RS458 an SCU800/03
- Can be combined with up to 31pcs SCU800/03
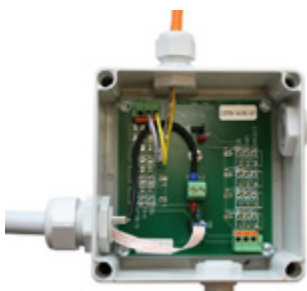- 1.000m max. cable length to SCU800/03

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

B05654-00 **506,00** **Connection Box CBO5-SEC for connecting 1 or 2 pcs. of heat cable SEC15**

- Has to be used in case the SEC15 cable cannot be connected to the SCU800 directly
- Incl. terminal module UCM

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

Order No.	Unit price	Description
B05655-00	**39,80**	**Heat Cable SEC15-05, price per m**

- 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**

- 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**

- 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**

5

Order No.	Unit price	Description
B05660-01	114,00	**Cable clamp CLIC 15** ▪ For sensor cabel 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** ▪ 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** ▪ Pre-assembly of sensor cable SEC-15 ▪ with plug, 3-pin, and end cap
B05665-02	408,00	**Pre-assembly SECcon15 / 2** ▪ 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** ▪ Price per started week
B05667-00	36,80	**Coupling with socket (3-pin) SECcon 15-C/f** ▪ 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** ▪ For connecting a connection cable CC 15 with pre-assembled cable SECcon 15-1 or SECcon 15-2

5

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"**

For B01361-00:

- 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 Detectors & Accessories

Order No.	Unit price	Description
B05802-00	**398,00**	**Wireless Translator Module RSM-WTM**

- The RSM-WTM is a fully intelligent wired to wireless Translator Module (loop powered)
- Completely compatible with the ESP protocol, the module allows the use of **either 32 wireless detectors, call points, input/output modules or 16 wireless audio visual devices**
- Each radio field device takes a loop address making them fully intelligent and their radio connectivity transparent to the end user
- Bi-directional wireless communication
- Self-optimising wireless amplitude and frequency
- Automatic wireless channel hopping
- Communication System parameters are programmed via the Translator Module and a PC link. The Translator Module automatically manages detector radiated power depending on the device communication quality.

Technical specifications	
Operating voltage	15 - 42 V DC
Quiescent current	38 mA
Range (open space)	150 m
Range with expander (o.s.)	300 m
Number of operating channels	7
Frequency range	868 - 870 MHz
Operating temperature	-30°C + 50°C
Dimensions (WxHxD)	160 x 120 x 50 mm
plus Antenna (length)	80 mm
Certifications	
EC-Certificate	0832-CPD-2002

Order No.	Unit price	Description
B05804-00	**398,00**	**Wireless Expander RSM-EXP**

- The RSM-EXP Expander Module increases radio coverage of a FIREwave RSM-WTM Translator Module, allowing the use of the system in larger buildings and in difficult wireless environments
- allows the use of **either 32 wireless detectors, call points, input/output modules or 16 wireless audio visual devices**
- Up to 7 Expander Modules may be configured to any one Translator Module
- Self-optimising wireless amplitude and frequency
- Automatic wireless channel hopping

Technical specifications	
Quiescent current	15 mA (24V)
Range (open space)	150 m
Number of operating channels	7
Frequency range	868 - 870 MHz
Operating temperature	-30°C to +50°C
Dimensions (WxHxD)	160 x 120 x 50 mm
plus Antenna (length)	80 mm
Certifications	
EC-Certificate	0521-CPR-20130701

NOTE: see chapter 7 for wireless sounders and beacons

Order No.	Unit price	Description

B05811-00   286,00   **Wireless Optical Smoke Sensor ROP-E, adressable**

- The ROP-E is an intelligent wireless photoelectric smoke sensor which is compatible with the FIREwave Translator Module (RSM-WTM) and Expander Module (RSM-EXP).
- **Advanced dual path optical chamber design**
- Bi-directional wireless communication
- **Internal algorithm processing optimizes performance**
- Automatic wireless channel hopping
- Fully intelligent with high reliability and sensitivity
- Flexible on site device adjustment
- Makes additions to existing wired systems easy and cost effective
- Compliant with current EN54-7/-25 standards
- Including mounting base and battery

Technical specifications	
Life time of battery	about 10 years
Range (open space)	150 m
Frequency range	868 - 870 MHz
Number of operating channels	7
Operating temperature	-30 + 50°C
Dimensions (DxH)	110 x 65 mm
Certifications	
EC-Certificate	0832-CPR-F2564

B05816-00   309,80   **Wireless Multi Sensor RMC-E (optical & heat), adressable**

- The RMC-E is an intelligent wireless Multi Sensor capable of detecting smoke and heat and is compatible with the FIREwave Translator Module (RSM-WTM) and Expander Module (RSM-EXP).
- **Advanced dual path optical chamber design**
- Bi-directional wireless communication
- **Internal algorithm processing optimizes performance**
- Automatic wireless channel hopping
- Fully intelligent with high reliability and sensitivity
- Flexible on site device adjustment
- Makes additions to existing wired systems easy and cost effective
- Compliant with current EN54 European standards
- Including mounting base and battery

Technical specifications	
Life time of battery	about 10 years
Range (open space)	150 m
Frequency range	868 - 870 MHz
Number of operating channels	7
Operating temperature	-30°C to +50°C
Dimensions (DxH)	110 x 65 mm
Certifications	
EC-Certificate	0832-CPR-F2565

NOTE: see chapter 7 for wireless sounders and beacons

Order No.	Unit price	Description

B05819-00   **286,00**   **Wireless Heat Sensor RHT-E, addressable**

- The RHT-E is an intelligent wireless heat sensor which is compatible with the FIREwave Translator Module (RSM-WTM) and Expander Module (RSM-EXP).
- Bi-directional wireless communication
- **Internal algorithm processing optimizes performance**
- Automatic wireless channel hopping
- Fully intelligent with high reliability and sensitivity
- Flexible on site device adjustment
- Makes additions to existing wired systems easy and cost effective
- Including mounting base and battery

Technical specifications	
Life time of battery	about 10 years
Range (open space)	150 m
Frequency range	868 - 870 MHz
Number of operating channels	7
Operating temperature	-30°C to +50°C
Dimensions (DxH)	110 x 65 mm
Certifications	
EC-Certificate	0832-CPR-F2563

B05824-00   **276,00**   **Wireless Manual Call Point RMD-CP, incl. Back Box**

- A Wireless Resettable Manual Call Point which features a simulated glass front. When activated, a plastic 'flag' is displayed in the window of the unit; the supplied key will reset the flag and unit.
- Compatible with the FIREwave Translator Module (RSM-WTM) and Expander Module (RSM-EXP).
- Bi-directional wireless communication
- Automatic wireless channel hopping
- Makes additions to existing wired systems easy and cost effective
- Including back box and battery

Technical specifications	
Life time of battery	about 5 years
Range (open space)	150 m
Frequency range	868 - 870 MHz
Number of operating channels	7
Operating temperature	-30°C to +50°C
Dimensions (WxHxD)	87 x 87 x 58mm
Certifications	
EC-Certificate	0832-CPD-2076

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Order No.	Unit price	Description

B05834-00   394,00   Wireless door holding magnet (HFW-DHR-01) incl. Batteries

- Bi-directional radio communication
- automatically „Channel Hopping"
- Connectable to „WTM"-module and expander „EXP"

Technical specifications	
Life time of battery	about 5 years
Range (open space)	150 m
Frequency range	868 - 870 MHz
Number of operating channels	7
holding force	200 N
IP ratingt	IP 30
Operating temperature	-10°C to +55°C
Dimensions (WxHxD)	90 x 135 x 54 mm

B05836-00   270,00   Remote indicator RSM-RI on radio basis, incl. surface mounted enslosure

- Bi-directional radio communication
- Automatically "channel hopping"
- Connectable to "WTM"-Module and to "EXP" expander

Technical specifications	
Life time of battery	about 5 years
Range (open space)	150 m
Frequency range	868 - 870 MHz
Number of operating channels	7
Operating temperature	-30°C to +50°C
Dimensions (WxHxD)	87 x 87 x 58mm

B05828-00   254,00   Wireless Single Channel Input Module RSM-IP, incl. IP65 surface mounted enclosure

- Input circuits are monitored for fire and fault conditions
- Bi-directional wireless communication
- Self-optimising wireless amplitude and frequency
- Automatic wireless channel hopping
- Fully intelligent
- High reliability and sensitivity
- Flexible on site device adjustment
- Makes additions to existing wired systems easy and cost effective

Technical specifications	
Life time of battery	about 5 years
Range (open space)	150 m
Frequency range	868 - 870 MHz
Number of operating channels	7
Operating temperature	-10°C to +55°C
Dimensions (WxHxD)	130x95x60 mm

5

Order No.	Unit price	Description
B05831-00	**534,00**	**Wireless Single Channel Output Module RSM-POM, incl. IP65 surface mounted enclosure**

- Relay can be configured as N/O or N/C
- Bi-directional wireless communication
- Self-optimising wireless amplitude and frequency
- Automatic wireless channel hopping
- Fully intelligent
- High reliability and sensitivity
- Flexible on site device adjustment
- Makes additions to existing wired systems easy and cost effective
- **No external PSU required**

Technical specifications	
Life time of battery	about 10 years
Range (open space)	150 m
Frequency range	868 - 870 MHz
Number of operating channels	7
Output (pot. free Relay)	2A / 30V DC
Operating temperature	-10°C to +55°C
Dimensions (WxHxD)	130x95x60 mm

B05838-00	**1.500,00**	**FIREwave Survey & Test Kit RSM-STK**

- A survey kit used to survey the intended installation location for strength of wireless signals.

6

Fire Brigade Components

Order No.	Unit price	Description

B08000-00   287,00   **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 14661/2011-01
- 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

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. internal 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 date 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

6

Order No.	Unit price	Description

B08100-00 508,00 **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

6

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

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

6

Mimic Panels

Order No.	Unit price	Description

B09100-00 **1.590,00** **Mimic Panel 400 x 300 x 60 mm**

- surface material execution: LTFlex
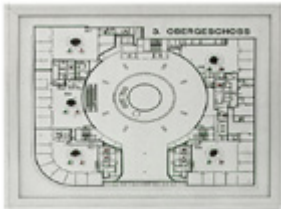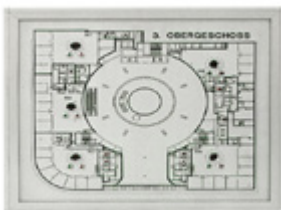- Standard version without electronics

Technical specifications	
Dimensions (WxHxD)	400 x 300 x 60 mm

B09100-01 **2.150,00** **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

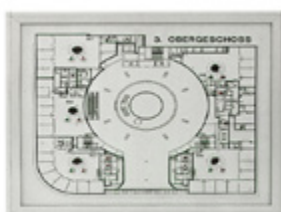**B09115-00** **2.190,00** **Mimic Panel 600 x 500 x 130 mm**

- surface material execution: LTFlex
- Standard version without electronics

Technical specifications	
Dimensions (WxHxD)	600 x 500 x 130 mm

B09115-01 **2.750,00** **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

Order No.	Unit price	Description

B09120-00 2.770,00   **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 2.960,00   **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 3.760,00   **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 4.900,00   **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

6

Accessories for Mimic Panels

Order No.	Unit price	Description
B09130-00	19,50	**LED for Mimic Panel, red**

- LED in plastic housing, diameter 5 mm
- Well and safe fixed at the front plate
- Wired inside the mimic panel

B09130-01	19,50	**LED for Mimic Panel, yellow**

- LED in plastic housing, diameter 5 mm
- Well and safe fixed at the front plate
- Wired inside the mimic panel

B09130-02	19,50	**LED for Mimic Panel, green**

- LED in plastic housing, diameter 5 mm
- Well and safe fixed at the front plate
- Wired inside the mimic panel

B09130-03	20,60	**LED for Mimic Panel, blue**

- LED in plastic housing, diameter 5 mm
- Well and safe fixed at the front plate
- Wired inside the mimic panel

B09130-04	20,60	**LED for Mimic Panel, white**

- 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.

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Order No.	Unit price	Description
B09150-00	75,00	**Flush mounting adapter** ▪ Masking frame 15 mm, aluminium
B09155-00	220,00	**Rotatable Front Plate for Mimic Panels** ▪ hinges lying inside, from the outside not visibly
B09160-00	138,00	**Preparation for mounting of a locking cylinder**
B09165-00	150,00	**Standard Locker for Mimic Panels** ▪ For opening and closing of the mimic panels by a security locker
B09190-00	71,40	**Electronics for Lamp Test function** ▪ Incl. mounting and wiring

Order No.	Unit price	Description
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

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

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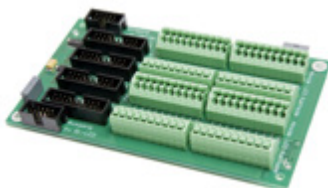
- Designed as extension of CPU B09210-00
- Provides 20 programmable Open Collector outputs and 16 programmable inputs
- upt o 4 pcs. B09220-00 at one CPU B09210-00
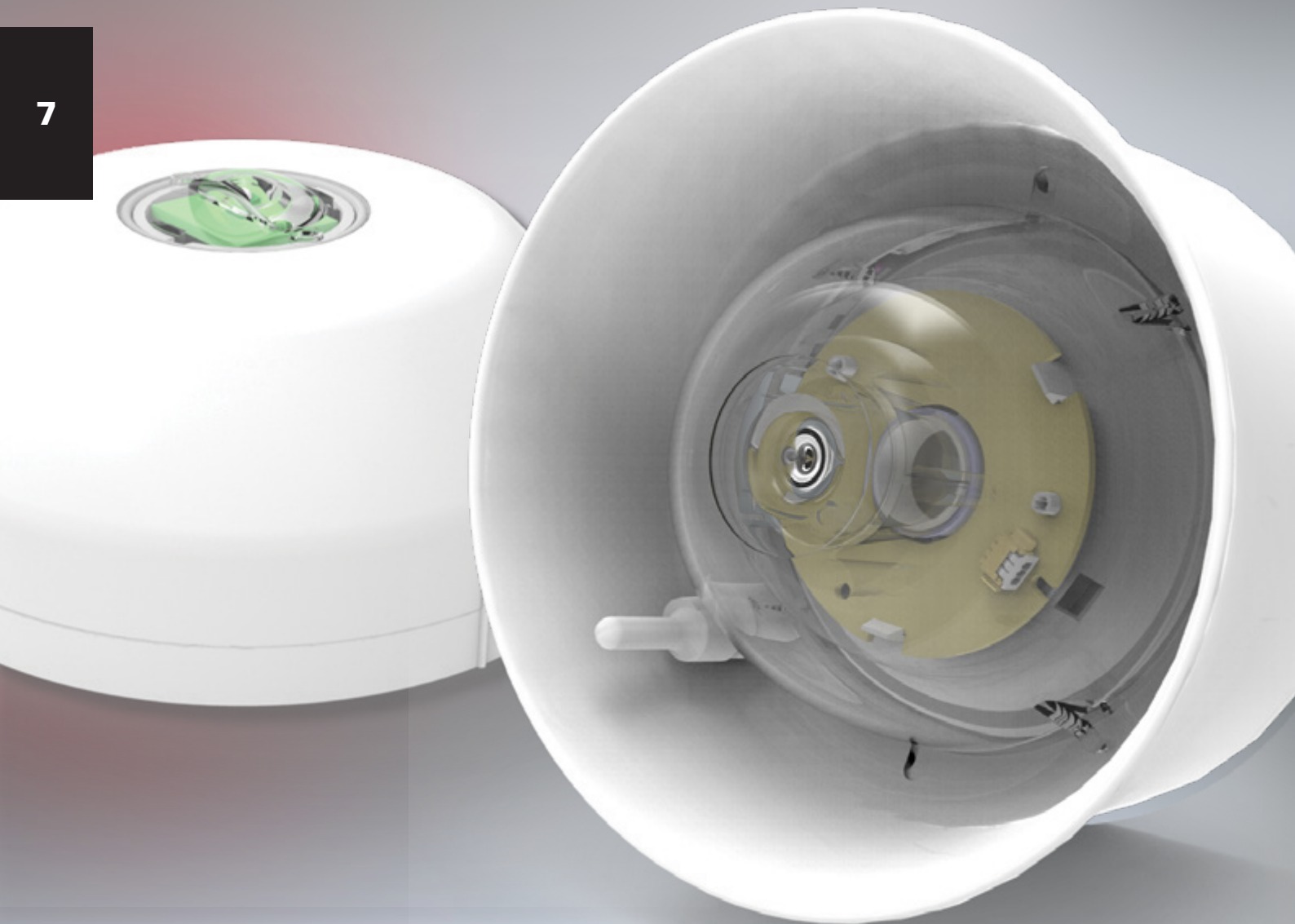- easy wiring because of snap-in connectors (no screws)

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

3 years warranty on ESP protocol products

7 Sounders and Strobes

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

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

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Order No.	Unit price	Description

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)

7

Order No.	Unit price	Description

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

B07015-00   49,60   **Conventional Base Sounder SQG3, white**

- 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

picture with cover B07015-05

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

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Order No.	Unit price	Description

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, <u>waterproof IP66</u>, 32 tones, max. 120 dB(A)**

As above (B07020-00) but
- red
- **IP rate 66**

Technical specifications	
Dimensions	110x110x105 mm (WxHxD)

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

Addressable Sounders with ESP protocol

Order No.	Unit price	Description
B07151-00	71,80	**Addressable Base Sounder YBO-BS (white), loop powered, adjustable tones and volumes**

- With ESP protocol, therefor virtually immune to EMC and communication disorders
- Installation on the ESP loop
- Automatically addressed by the detector on top (detector address + 127) or manually addressed by hand-held programmer
- 10 different volumes available
- 51 different tones like DIN tone, ISO8201
- Synchronisation of simultaneously activated sounders by group command
- Please order mounting base separately

Technical specifications	
Operating voltage	17 - 41 V DC
Quiescent current	150 µA
Sound output	50 - 98 dB(A)
Current consumption Alarm	3,0 mA (85dB)/16,0 mA (98dB)
Operating temperature	-10°C to +50° C
Colour	white RAL 9003
Dimensions	D=113 x 43 mm
Certifications	
VdS-No.	G 206114
EC certificate	0832-CPR-0374

Order No.	Unit price	Description
B07151-03	98,00	**Addressable Base Sounder YBO-BS (black), loop powered, adjustable tones and volumes**

- else like B07151-00 but black

Order No.	Unit price	Description
B07151-13	99,00	**Addressable Base Sounder YBO-BS (white), loop powered, adjustable tones and volumes**

SIL2 approved

- else like B07151-00

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Order No.	Unit price	Description
B07154-00	136,00	**Addressable Base Sounder Beacon YBO-BSB2, white base, red flash, EN54-23 approved**

- With ESP protocol, therefor virtually immune to EMC and communication disorders
- Sounder and Strobe can be activated individually by FCP software
- Automatically addressed by the detector on top (detector address + 127) or manually addressed by hand-held programmer
- 10 different volumes available
- 51 different tones like DIN tone, ISO8201
- Please order mounting base separately

Technical specifications	
Operating voltage	17 - 41V DC
Quiescent current	250 µA
Sound output	50 - 98 dB(A)
Current consumption Alarm	1,3 mA (50dB)/16,0 mA (98dB)
Beacon	+7 mA
Operating temperature	-10°C to +50° C
Colour	white RAL 9003
Dimensions	D=113 x 43 mm
Weight	160 g
Certifications	
VdS-No.	G 216013
EC certificate	0832-CPR-0565

B07154-01	136,00	**Addressable Base Sounder Beacon YBO-BSB2, white base, white flash, EN54-23 approved**

- like B07154-00, but with white flash

B07154-03	180,00	**Addressable Base Sounder Beacon YBO-BSB2(SIL), white base, white flash, SIL2-approved**

SIL2 approved

- else like B07154-01 but:

B07155-00	5,20	**Cover for above Base Sounder B07151-00 and B07154-00**

If the Base Sounders operate without detector

Technical specifications	
Colour	white RAL 9003

Order No.	Unit price	Description

B07160-00 **89,00** **Addressable Wall Sounder CHQ-WS2 (red), "loop powered", VdS approved according to EN54-3**

- Installation on the ESP loop (loop powered)
- 5 different volumes adjustable by FAPs „F1/F2"
- 51 different tones like DIN ton, ISO8201
- Synchronisation of simultaneously activated sounders by group command
- Addressed by hand-held programmer
- **Please order mounting base B07162-00, B07163-00 and evtl. B07164-00 separately**

Technical specifications	
Operating voltage	17 - 41V DC
Quiescent current	150 µA
Sound output	90 - 102 dB(A)
Current consumption Alarm	2,0mA(90 dB) / 8,0 mA(102 dB)
Operating temperature	-10°C to +50° C
IP rating	IP 21
Colour	red, RAL 3000
Dimensions	112/100 x 65 mm (DxH)
Weight	240 g
Certifications	
VdS-No.	G 206115
EC certificate	0832−CPD-0455

B07162-00 **12,40** **Mounting base (red) for addressable Wall Sounder B07160-00**

Technical specifications	
Colour	red, RAL 3000
Dimensions	100 x 13 mm (DxH)
Weight	65 g

B07163-00 **14,80** **Mounting base (red) with integrated Dual Isolator for addressable Wall Sounder B07160-00**
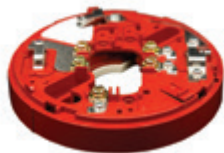
Technical specifications	
Colour	red, RAL 3000
Dimensions	100 x 18 mm (DxH)
Weight	90 g

B07164-00 **19,80** **Wall Sounder weatherproofing kit (red), designed for addressable VADs**

- Increases the IP rating to IP 65
- Needs one of the mounting bases B07162-00 or B07163-00 as well
- Designed for B07160-00, B07172-00, B07290-00

Technical specifications	
Colour	red, RAL 3000
IP rating	IP65
Dimensions	100 x 35 mm (DxH)
Weight	140 g

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Order No.	Unit price	Description
B07160-03	98,00	Addressable Wall Sounder CHQ-WS2(SIL), red, 102dB, „loop-powered"

SIL2 approved

- Installation on the ESP loop (loop powered)
- **5 different volumes adjustable by FAPs „F1/F2"**
- **51 different tones like DIN ton, ISO8201**
- With ESP protocol, therefor virtually immune to EMC and communication disorders
- Addressed by hand-held programmer
- **Please order mounting base B07162-00, B07163-00 and evtl. B07164-00 separately**

Technical specifications	
Operating voltage	17 - 41V DC
Quiescent current	150 µA
Sound output	90 - 102 dB(A)
Current consumption Alarm	2,0mA(90 dB) / 8,0 mA(102 dB)
Operating temperature	-10°C to +50° C
IP rating	IP 21
Colour	red RAL 3000
Dimensions	112/100 x 65 mm (DxH)
Weight	152 g

Order No.	Unit price	Description

B07160-01 **89,00** **Addressable Wall Sounder CHQ-WS2 (white), "loop powered", VdS approved according to EN54-3**

- Installation on the ESP loop (loop powered)
- 5 different volumes adjustable by FAPs „F1/F2"
- 51 different tones like DIN tone, ISO8201
- Synchronisation of simultaneously activated sounders by group command
- Addressed by hand-held programmer
- **Please order mounting base B07162-01, B07163-01 and evtl. B07164-01 separately**

Technical specifications	
Operating voltage	17 - 41V DC
Quiescent current	150 µA
Sound output	90 - 102 dB(A)
Current consumption Alarm	2,0mA(90 dB) / 8,0 mA(102 dB)
Operating temperature	-10°C to +50° C
IP rating	IP 21
Colour	white RAL 9003
Dimensions	112/100 x 65 mm (DxH)
Weight	240 g
Certifications	
VdS-No.	G 206115
EC certificate	0832–CPD-0455

B07162-01 **12,40** **Mounting base (white) for addressable Wall Sounder B07160-01**

Technical specifications	
Colour	white RAL 9003
Dimensions	100 x 13 mm (DxH)
Weight	65 g

B07163-01 **14,80** **Mounting base (white) with integrated Dual Isolator for addressable Wall Sounder B07160-01**

Technical specifications	
Colour	white RAL 9003
Dimensions	100 x 18 mm (DxH)
Weight	92 g

B07164-01 **19,80** **Wall Sounder weatherproofing kit (white), designed for addressable VADs**

- Increases the IP rating to IP 65
- Needs one of the mounting bases B07162-01 or B07163-01 as well
- Designed for B07160-01, B07172-01 and B07290-01

Technical specifications	
Colour	white RAL 9003
IP rating	IP 65
Dimensions	100 x 35 mm (DxH)
Weight	140 g

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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**

- 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)**

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

B07200-01 49,60 **Beacon "Solex" amber/white, VdS approved according to EN54-3**

As above product B07200-00 but amber lens
- **With base B07090-01 = IP rating: IP 65**

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**

- 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

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)

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 **Beacon "Solista LX Wall", red**

- 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	
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

B07203-01 76,00 **Beacon "Solista LX Wall", white**

- 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**

Certifications	
VdS-No.	G 214067
EC certificate	0333-CPR-075441

B07205-00 84,00 **Beacon "Solista LX Ceiling", red**

- **Classification acc. to EN54-23 : "C"**
- **for ceiling mounting**

- **Technical specifications like B07203-00**

Technical specifications	
Range	3 – 7,5m
IP rating	IP33C
Certifications	
VdS-No.	G 214069
EC certificate	0333-CPR-075443

B07205-01 84,00 **Beacon "Solista LX Ceiling", white housing, red flash**

- **for ceiling mounting**
- red LED-flash, white housing
- **Classification acc. to EN54-23 : C-3-7.5**

- **Technical specifications like B07203-00**

Certifications	
VdS-No.	G 214069
EC certificate	0333-CPD-075441

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Order No.	Unit price	Description

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

7

Order No.	Unit price	Description

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

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

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Order No.	Unit price	Description
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

Addressable Loop Beacons with ESP (VdS & EN54-23)

Order No.	Unit price	Description

B07270-00 74,80 **Addressable Loop Beacon CHQ-AB, red lens, "loop powered"**

- Installation on the ESP loop (loop powered)
- Controlled by the FCP software
- Addressed by hand-held programmer
- To be mounted on an ESP detector base (pls order base separately)
- Very low current consumption
- High efficiency light emission
- Reduced installation costs

Technical specifications	
Operating voltage	17 – 41 VDC
Quiescent current	240 µA typ.
Alarm current	4,5 mA
Operating temperature	-10°C to +50°C
Housing	ABS, white RAL 9003
Lens	red
Dimensions	38 x 100 mm (HxD)
Weight	88 g

B07272-00 74,80 **Addressable Loop Beacon CHQ-AB, amber lens, "loop powered"**

- As above (B07270-00) but amber lens

Technical specifications	
Operating voltage	17 – 41 VDC
Quiescent current	240 µA typ.
Alarm current	4,5 mA
Operating temperature	-10°C to +50°C
Housing	ABS, white RAL 9003
Lens	amber
Dimensions	38 x 100 mm (HxD)
Weight	88 g

7

Order No.	Unit price	Description

B07280-00 128,00 **Addressable Loop Beacon CHQ-CB(red)RL, EN54-23 approved**

- New beacon with ultra-high far-reaching LED-technology
- For ceiling mounting – acc. to EN54-23: Classification: "C"
- Red LED-flash, red plastic housing
- Control freely programmable via FCP
- Loop powered
- Please order mounting base B07162-00 or B07163-00 separately

Technical specifications	
Operating voltage	17 – 41 VDC
Quiescent current	250 µA typ.
Alarm current	6-17 mA
Flash frequency	0,5 or 1 Hz
Installation height - ceiling	max. 3m
Beam of light	d = max. 10m
Category 1, 6mA	C-3-5; W-2,4-3
Category 2, 12mA	C-3-7,5
Category 3, 17mA	C-3-10
Operating temperature	-10°C to +50°C
Dimensions	100 x 41 mm (D x H)
Weight	120 g
Certifications	
VdS-No.	G 216025
EC certificate	0832-CPR-F0561/14

B07280-01 128,00 **Addressable Loop Beacon CHQ-CB(white)RL, EN54-23 approved**

- New beacon with ultra-high far-reaching LED-technology
- **For ceiling mounting – acc. to EN54-23: Classification: "C"**
- **Red LED-flash, white plastic housing**
- Control freely programmable via FCP
- Loop powered
- **Please order mounting base B02200-00, B02220-00 re B07163-01 separately**

Technical specifications	
Operating voltage	17 – 41 VDC
Quiescent current	250 µA typ.
Alarm current	6-17 mA
Flash frequency	0,5 or 1 Hz
Inst. Height ceiling	max. 3m
Beam of light	d = max. 10m
Category 1, 6mA	C-3-5; W-2,4-3
Category 2, 12mA	C-3-7,5
Category 3, 10mA	C-3-10
Operating temperature	-10°C to +50°C
Dimensions	100 x 41 mm (D x H)
Weight	120 g
Certifications	
VdS-No.	G 216025
EC certificate	0832-CPR-F0561/14

Order No.	Unit price	Description

B07282-00   144,00   **Addressable Loop Beacon CHQ-CB(RED)WL-15, light cone =15m, EN54-23 approved**

- New beacon with ultra-high far-reaching LED-technology
- **For ceiling mounting – acc. to EN54-23: Classification: "C"**
- Ultra long-range flash with light cone: d = 15m max.
- **Red LED-flash, red housing**
- Control freely programmable via FCP
- Loop powered
- **Please order mounting base B07162-00 or B07163-00 separately**

Technical specifications	
Operating voltage	17 – 41 VDC
Quiescent current	250 µA typ.
Alarm current	6-38 mA
Flash frequency	0,5 or 1 Hz
Inst. Height ceiling	max. 3m
Beam of light	d = max. 15m
Category 1, 6mA	C-3-5; W-2,4-3
Category 2, 12mA	C-3-10
Category 3, 38mA	C-3-15
Operating temperature	-10°C to +50°C
Dimensions	100 x 41 mm (D x H)
Weight	120 g
Certifications	
VdS-No.	G 216024
EC certificate	0832-CPR-F0561/14

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B07282-01   144,00   **Addressable Loop Beacon CHQ-CB(WHT)WL-15, light cone =15m, EN54-23 approved**

- New beacon with ultra-high far-reaching LED-technology
- **For ceiling mounting – acc. to EN54-23: Classification: "C"**
- Ultra long-range flash with light cone: d = 15m max.
- **Red LED-flash, white housing**
- Control freely programmable via FCP
- Loop powered
- **Please order mounting base B02200-00, B02220-00 oder B07163-01 separately**

Technical specifications	
Operating voltage	17 – 41 VDC
Quiescent current	250 µA typ.
Alarm current	6-38 mA
Flash frequency	0,5 or 1 Hz
Inst. Height ceiling	max. 3m
Beam of light	d = max. 15m
Category 1, 6mA	C-3-5; W-2,4-3
Category 2, 12mA	C-3-10
Category 3, 38mA	C-3-15
Operating temperature	-10°C to +50°C
Dimensions	100 x 41 mm (D x H)
Weight	120 g
Certifications	
VdS-No.	G 216024
EC certificate	0832-CPR-F0561/14

Order No.	Unit price	Description

B07290-00   **128,00**   **Addressable Loop Beacon CHQ-WB(RED)RL, EN54-23 approved**

- New beacon with ultra-high far-reaching LED-technology
- **For wall mounting – according to EN54-23: Classification: "W"**
- **Red LED-flash, red plastic housing**
- Control freely programmable via FCP
- Loop powered
- **Please order mounting base B07162-00 or B07163-00 separately**

Technical specifications	
Operating voltage	17 – 41 VDC
Quiescent current	250 µA typ.
Alarm current	12 mA
Flash frequency	0,5 or 1 Hz
Inst. Height ceiling	max. 2,4m
Beam of light	d = max. 5m
Category 1, 6mA	C-3-5; W-2,4-3
Category 2, 12mA	C-3-7,5; W-2,4-4
Category 3, 17mA	W-2,4-5
Operating temperature	-10°C to +50°C
Dimensions	100 x 41 mm (D x H)
Weight	120 g
Certifications	
EC certificate	0832-CPR-F0561/14

B07290-01   **128,00**   **Addressable Loop Beacon CHQ-WB(WHT)RL, EN54-23 approved**

- New beacon with ultra-high far-reaching LED-technology
- **For wall mounting – according To EN54-23: Classification: "W"**
- **Red LED-flash, white plastic housing**
- Control freely programmable via FCP
- Loop powered
- **Please order mounting base B02200-00, B02220-00 or B07163-01 separately**

Technical specifications	
Operating voltage	17 – 41 VDC
Quiescent current	250 µA typ.
Alarm current	6-17 mA
Flash frequency	0,5 or 1 Hz
Inst. Height ceiling	max. 3m
Beam of light	d = max. 5m
Category 1, 6mA	C-3-5; W-2,4-3
Category 2, 12mA	C-3-7,5; W-2,4-4
Category 3, 17mA	W-2,4-5
Operating temperature	-10°C to +50°C
Dimensions	100 x 41 mm (D x H)
Weight	120 g
Certifications	
EC certificate	0832-CPR-F0561/14

Combined Sounder / Beacons (VdS & EN54-23)

Order No.	Unit price	Description

B07172-00   154,50

Addressable wall sounder with flash (CHQ-WSB2), red / red, for wall mounting, EN54-23 approved

- Power supply by loop
- Approved according to EN54-23, class "O"
- With ESP protocol and so immune against EMC interferences
- Addressable via hand-held programming device
- 5 different volumes adjustable
- Flash and sounder separately controllable
- 51 different tones, e.g. DIN tone – adjustable per software at the FCP
- **Please order mounting base B07162-00 or B07163-00 separately**

Technical specifications	
Operating voltage	17 - 41V DC
Quiescent current	150 µA
Sound output	90 - 102 dB(A)
Current consumption Alarm	2,0 mA(90 dB), 8,0 mA(102 dB), plus 7mA for flash
Operating temperature	-10°C to +50°C
IP rating	IP 21
Colour Housing	red, RAL 3000
Flash	red
Dimensions	112 x 67 mm (DxH)
Weight	164 g
Certifications	
VdS-No.	G 216007
EC certificate	0832-CPR-F0563

B07172-01   154,50

Addressable wall sounder with flash (CHQ-WSB2), white / red, for wall mounting, EN54-23 approved

- Power supply by loop
- Approved according to EN54-23, class "O"
- With ESP protocol and so immune against EMC interferences
- Addressable via hand-held programming device
- 5 different volumes adjustable
- Flash and sounder separately controllable
- 51 different tones, e.g. DIN tone – adjustable per software at the FCP
- **Please order mounting base B07162-01 or B07163-01 separately**

Technical specifications	
Operating voltage	17 - 41V DC
Quiescent current	150 µA
Sound output	90 - 102 dB(A)
Current consumption Alarm	2,0 mA(90 dB), 8,0 mA(102 dB), plus 7mA for flash
Operating temperature	-10 - +50° C
IP rating	IP 21
Colour	white, RAL9003
Flash	red
Dimensions	112 x 67 mm (DxH)
Weight	164 g
Certifications	
VdS-No.	G 216007
EC certificate	0832-CPR-F0563

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Order No.	Unit price	Description
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
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

Order No.	Unit price	Description
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

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: „O"

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: „O"

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

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Intrinsically Safe (I.S.) Sounder

Order No.	Unit price	Description
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

Order No.	Unit price	Description
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

Order No.	Unit price	Description

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

B07550-00   **110,00**   **Housing with IP rating 66 for galvanic isolators and loop modules**
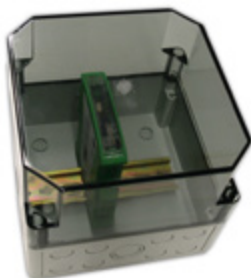
- Ideal for the above galvanic isolator as well
  as for the loop modules (chapter 2)
- **Space for 6 isolators / loop modules**
- High protected by IP rating 66
- Incl. DIN rail

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

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Voice Alarm Sounders

Order No.	Unit price	Description

B07700-00   **148,00**   **Voice Alarm Sounder, red, max. 100dB(A)**

- The voice alarm sounder 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)

B07700-01   **148,00**   **Voice Alarm Sounder, white, max. 100dB(A)**

- The voice alarm sounder 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)

Wireless Audio Visual Devices (addressable)

Order No.	Unit price	Description

B07801-00 364,00 **Wireless Base Sounder HFW-BS-05 (white), addressable, incl. battery and mounting base**

- The HFW-BS-05 is new base sounder unit providing a fixing base for any of the FIREwave range of sensors and an audio alarm
- **Compatible with the FIREwave Translator Module (RSM-WTM) and Expander Module (RSM-EXP) - Chapter 5**
- 32 Tones, adjustable volume (e.g. DIN tone and Dutch "slow whoop")
- Bi-directional wireless communication
- Automatic wireless channel hopping
- Easy and cost-effective additions to existing wired systems
- Compliant with current EN54 standards

Technical specifications	
Life time of battery	about 3 years
Adjustable Sounder output	70–95 dB(A),1m
Range (open space)	150 m
Frequency	868 - 870 MHz
Number of operating channels	7
Operating temperature	-10°C to +55°C
Dimensions	116 x 51 mm (DxH)
Certifications	
EC certificate	EN54-03/-25

B07801-51 9,80 **White cover for Wireless Base Sounder and Base Sounder Beacon**

- to cover B07801-00 or B07805-00 if no detector is used

B07805-00 452,00 **Wireless Base Sounder Beacon HFW-BSB-05 (white body, red flash), addressable, incl. battery and mounting base**

- The HFW-BSB-05 is new base sounder beacon unit providing a fixing base for the FIREwave range of sensors and an audio visual alarm
- **Compatible with the FIREwave Translator Module (RSM-WTM) and Expander Module (RSM-EXP) - Chapter 5**
- 32 Tones, adjustable volume (as B07801-00)
- Bi-directional wireless communication
- Automatic wireless channel hopping
- Easy and cost-effective additions to existing wired systems
- Compliant with current EN54 standards

Technical specifications	
Life time of battery	about 3 years
Adjustable Sounder output	70–95 dB(A),1m
Range (open space)	150 m
Frequency	868 - 870 MHz
Number of operating channels	7
Flash frequency	Hz
Flash technology	LED, red
Operating temperature	-10°C to +55°C
Dimensions	141 x 66 mm (DxH)
Certifications	
EC certificate	EN54-3/-25t

7

Order No.	Unit price	Description

B07811-00   **480,00**   **Addressable Wireless Wall Sounder „WSR-03", red, EN54-3 approved, incl. battery**

- 32 tones adjustable, e.g. DIN tone
- Adjustable sound output max. up to 100 dB(A)
- Bi-directional wireless communication
- Automatic „channel hopping"
- Microphone self-test function
- Flexible on-site parameterization
- **Can be connected to „WTM" module and to expander „EXP" - see Chapter 5**

Technical specifications	
Life time of battery	about 3 years
Adjustable Sounder output	100 dB(A) 1m
Tone-Frequency range	400 - 2900 Hz
Range (open space)	max. 150 m
Frequency range	868 - 870 MHz
Number of operating channels	7
Operating temperature	-25°C to +70°C
Housing	red
IP rating	IP 65
Dimensions (DxH)	132 x 126 x 90 mm
Certifications	
CE certificate	0832-CPR-F1414

B07811-01   **480,00**   **Addressable Wireless Wall Sounder „WSR-03", white, EN54-3 approved, incl. battery**

- 32 tones adjustable, e.g. DIN tone
- Adjustable sound output max. up to 100 dB(A)
- Bi-directional wireless communication
- Automatic „channel hopping"
- Microphone self-test function
- Flexible on-site parameterization
- **Can be connected to „WTM" module and to expander „EXP" - see Chapter 5**

Technical specifications	
Life time of battery	about 3 years
Adjustable Sounder output	100 dB(A) 1m
Tone-Frequency range	400 - 2900 Hz
Range (open space)	max. 150 m
Frequency range	868 - 870 MHz
Number of operating channels	7
Operating temperature	-25°C to +70°C
Housing	white
IP rating	IP 65
Dimensions (DxH)	132 x 126 x 90 mm
Certifications	
CE certificate	0832-CPR-F1414

NOTE: Batteries included in the delivery

7

Order No.	Unit price	Description

B07816-00 584,00 Addressable Wireless Wall Sounder Beacon „SBR-23-03" - red case/ red lens, EN54-3 and EN54-23 approved

- Red housing, red lens
- 32 tones adjustable, e.g. DIN tone
- Adjustable sound output max. up to 100 dB(A)
- Bi-directional wireless communication
- Automatic „channel hopping"
- Microphone self-test function
- Flexible on-site parameterization
- **Can be connected to „WTM" module and to expander „EXP" - see Chapter 5**

Technical specifications	
Life time of battery	about 3 years
Adjustable Sounder output	100 dB(A) 1m
Tone-Frequency range	400 - 2900 Hz
Flash frequency	1 Hz
Range (open space)	max. 150 m
Frequency range	868 - 870 MHz
Number of operating channels	7
Operating temperature	-25 + 70°C
Housing	red
IP rating	IP 65
Dimensions (DxH)	132 x 126 x 92 mm
Certifications	
CE certificate	0832-CPR-F1415

B07816-01 584,00 Addressable Wireless Wall Sounder Beacon „SBR-23-03" - white case/ red lens, EN54-3 and EN54-23 approved

- White housing, red calotte
- 32 tones adjustable, e.g. DIN tone
- Adjustable sound output max. up to 100 dB(A)
- Bi-directional wireless communication
- Automatic „channel hopping"
- Microphone self-test function
- Flexible on-site parameterization
- **Can be connected to „WTM" module and to expander „EXP" - see Chapter 5**

Technical specifications	
Life time of battery	about 3 years
Adjustable Sounder output	100 dB(A) 1m
Tone-Frequency range	400 - 2900 Hz
Flash frequency	1 Hz
Range (open space)	max. 150 m
Frequency range	868 - 870 MHz
Number of operating channels	7
Operating temperature	-25°C to +70°C
Housing	white
IP rating	IP 65
Dimensions (DxH)	132 x 126 x 92 mm
Certifications	
CE certificate	0832-CPR-F1415

NOTE: Batteries included in the delivery

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Technical Support

Hotline: +49 (0) 521.136 29-222
Monday till Friday: 8:00-13:00 & 13:30-16:30
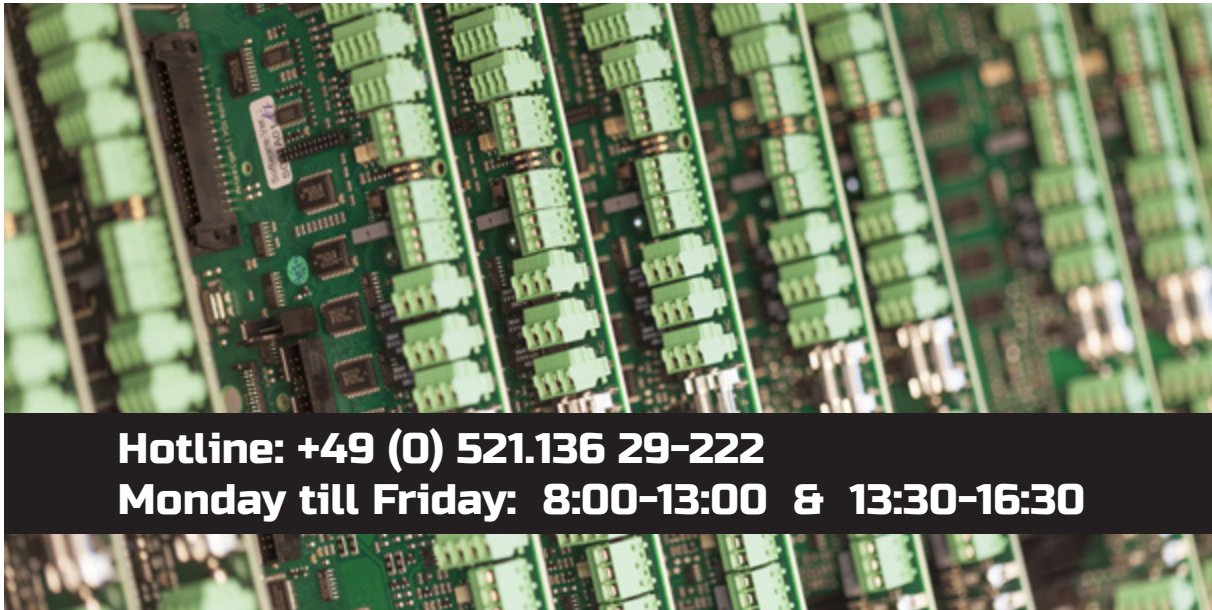
In order to make your phone call to our hotline as efficient as possible, it is necessary to provide some information about the project in which the problem occurs:

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
F20005-00	PCB for Manual Call Point (ABS) - Hochiki, ESP protokol	60,00
F20008-00	PCB for Manual Call Point (aluminium) - Hochiki, ESP protokol	60,00
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

Notes

Article Directory

IMPRINT

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