

Fire Alarms

Trade Price List 04/2015, English issue



Fire Alarms Trade Price List

valid from 01st April 2015

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Conditions of Sale

This price list applies to all orders placed for delivery on or after **1st April 2015** and supersedes all previous price lists.

Prices shown are in € (EURO) ex works. Trade discounts may apply – contact the Sales Desk of NSC for details. Carriage charges for export shipments are 1,8% of the net amount of the consignment.

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

A minimum order quantity of 100,00 € has to be considered for every order.

An inspection and restocking charge of 10 % will be made on returns if the goods have not been unpacked. Otherwise an inspection and restocking charge of 20 % will be made. For cancelling of a purchase order before it is delivered a charge of 10% of the cancelled net amount will be made but minimum cancelling fee is 50,00€.

Errors and Omissions expected. 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.

Orders can be placed by telephone, fax, letter or e-mail. See our contact details in this price list or visit our website.




Kind regards

Your NSC – Team


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Conventional Fire Control Panels

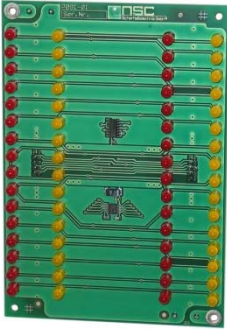


Order No.	Picture	Description	Unit price
B01000-01		<p>Conventional Fire Control Panel with <u>6 zones</u> according DIN VdE 0830, English version</p> <ul style="list-style-type: none"> – 6 zones for conventional detectors Hochiki CDX range or Apollo Series 60/65/Orbis – 1 OC output fault condition – 1 relay outputs alarm condition per zone – 1 relay output general alarm condition – 2 monitored power output for sounders / strobes – Alarm indication LED for each zone – Panel checks the system functions continuously – Battery charger max. 1 x 7,0Ah / 12V <p>Technical specifications :</p> <p>Mains AC : 230 V AC / 50 - 60 Hz Operating voltage : 24 V DC Power consumption : 190mA, w/o detectors Sounder output : max. 300 mA Battery : max. 1 x 7,0 Ah / 12 V Operating temperature : 0 to +50 °C IP rating : IP 40 Housing : ABS, RAL 7035 Weight : 2 kg w/o batteries Dimensions (WxHxD) : 325 x 240 x 80 mm</p> <p>VdS No. : G 210141 CE certificate 0786-CPD-21016</p>	382,00
B01000-04		<p>Conventional Fire Control Panel with <u>4 zones</u> according DIN VdE 0830, English version</p> <p>As above (B01000-01) but :</p> <ul style="list-style-type: none"> – 4 zones for conventional detectors Hochiki CDX range or Apollo Series 60/65/Orbis 	284,00
B01000-02		<p>Conventional Fire Control Panel with <u>2 zones</u> according DIN VdE 0830, English version</p> <p>As above (B01000-01) but :</p> <ul style="list-style-type: none"> – 2 zones for conventional detectors Hochiki CDX range or Apollo Series 60/65/Orbis 	250,00
B01010-00		<p>Spare key for Conventional Fire Control Panel with 2/6 zones</p>	12,80

Addressable Fire Control Panel „Solution F2“



Order No.	Picture	Description	Unit price
B01070-00		<p>Fire Control Panel "Solution F2" incl. one Loop Module, PSU 2,5A and Housing A</p> <p>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.</p> <p>The standard configuration includes :</p> <ul style="list-style-type: none"> - 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 <p>Possible extensions :</p> <ul style="list-style-type: none"> - 2. loop module, part no. B01100-00 - Interface module RS485, part no. B01115-00 - modem for remote access B01370-00, B01373-00 or Webserver B01380-00 <p>Technical specifications :</p> <p>Mains AC : 230 V 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 : <u>max. 3.500m (cable JY-(ST)Y-2x2x0,8)</u> Operating temperature : -5°C to +40°C Humidity : max. 95 % IP rating : IP 42 Loops / Stub lines : 1 (max 2) / 2 (max 4) Battery capacity : max. 2 x 12 Ah / 12 V Weight : 6,5 kg w/o batteries Dimensions (WxHxD) : 370 x 320 x 128 mm</p> <p>VdS No. : G 208145 VdS System approval : S 205024 EC Certificate 0786-CPD-20670</p>	998,00

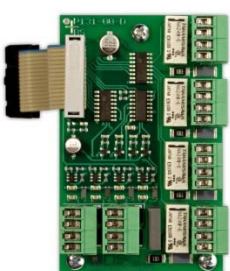
Order No.	Picture	Description	Unit price
B01080-00		<p>Fire Control Panel "Solution F2" incl. one Loop Module, PSU 3,5A and Housing B1</p> <p>Modular, intelligent and very modern Fire Control Panel for analogue addressable detectors. Ideal for small and middle size applications. Supports Hochiki ESP detectors as well as all Apollo protocols. Software incorporates all above mentioned protocols.</p> <p>Standard configuration as B01070-00 but additional :</p> <ul style="list-style-type: none"> - PSU 24V / 3,5A, Main Board and Control Panel incl. graphics LCD 240 x 64 - Slot for I/O extension - Space for batteries 2 x 24Ah/12V <p>Possible extensions :</p> <ul style="list-style-type: none"> - 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, B01373-00 / Webserver B01380-00 <p>Technical specifications :</p> <p>Mains AC : 230 V 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 : <u>max. 3.500m (cable JY-(ST)Y-2x2x0,8)</u> Operating temperature : -5°C to +40°C Humidity : max. 95 % IP rating : IP 42 Loops / Stub lines : 1 (max 2) / 2 (max 4) Battery capacity : max. 24 Ah / 24 V Weight : 8,5 kg w/o batteries Dimensions (WxHxD) : 500 x 440 x 175 mm</p> <p>VdS No. : G 208145 VdS System approval : S 205024 EC Certificate 0786-CPD-20670</p>	1228,00
B01090-00		<p>Fire Control Panel "Solution F2" incl. one Loop Module, PSU 3,5A and Housing B2</p> <p>As above (B01080-00) but zone LEDs not possible</p> <p>Technical specifications :</p> <p>As above (B01080-00)</p> <p>VdS No. : G 208145 VdS System approval : S 205024 EC Certificate 0786-CPD-20670</p>	1168,00

Order No.	Picture	Description	Unit price
B01100-00		<p>Loop extension module</p> <p>This loop module provides one additional loop for the "Solution F2" panel and it supports the Hochiki ESP detectors as well as all addressable Apollo detectors.</p> <p>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.</p> <p>Technical specifications :</p> <p>Quiescent current : 9 mA</p> <p>Loop current : max. 450 mA</p> <p>Loop cable length : <u>max. 3.500m (cable JY-(ST)Y-2x2x0,8</u></p> <p>Weight : 150 g</p> <p>Dimensions (WxHxD) : 120 x 60 x 20 mm</p> <p>VdS No. : G 208145</p>	228,00
B01110-00		<p>I/O Interface Card</p> <p>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.</p> <ul style="list-style-type: none"> - 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 - 2 DC outputs 24V, 500mA each <p>Technical specifications :</p> <p>Quiescent current : 3 mA</p> <p>Relay contacts : max. 30V DC / 1A</p> <p>OC outputs : max. 30V DC / 50mA</p> <p>Monitored outputs : max 24V DC / 500mA</p> <p>VdS No. : G 208145</p>	268,00
B01115-00		<p>RS485 Interface card (redundant)</p> <p>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.</p> <ul style="list-style-type: none"> - The protocol and the baud rate are programmable by the "Solution F2" software. - Fused power supply output <p>Technical specifications :</p> <p>Quiescent current : 16 mA</p> <p>RS-485 interface : 2 x (redundant), max. cable length 1.200 m</p> <p>Power supply output : 24VDC / 500mA</p> <p>VdS No. : G 208145</p>	240,00

Order No.	Picture	Description	Unit price
B01220-00		32-LED zone indication module <ul style="list-style-type: none"> – LED module with 32 red / 32 yellow LEDs for zone indication – For mounting behind front plate – Zone LEDs programmable Technical specifications : Dimensions : 104 x 150 x 26 mm (W x H x D) VdS No. : G 205024	148,00
B01230-00		Printer (Built-In version) with RS-232 interface and power supply <ul style="list-style-type: none"> – Can be mounted in housing 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 : Paper width : 58 mm Characters / line : 40 Colour : grey Dimensions (WxHxD) : 85 x 85 x 55 mm	490,00
B01231-00		Spare paper role for Printer <ul style="list-style-type: none"> – One role 58mm, diameter 37mm 	4,00
B01330-00		Universal Relay card with 8 dry c/o contacts <ul style="list-style-type: none"> – 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 x change over Max. Load : 250V AC / 5 A Weight : 200 g Dimensions (W x H x D) : 127 x 85 x 20 mm VdS No. : G 205024	195,00

Extinguishing components for „Solution F2“

Order No.	Picture	Description	Unit price
B01325-00	 <p style="color: red; text-align: center;">Available IV. Quarter 2015</p>	<p>Extinguishing control board P129 for Solution F2, 1 extinguish area, in accordance with EN12094-1</p> <p>Electronic, automatic control- and delay board for extinguishing controls for installation in Solution F2. Structure and function strictly in accordance with EN12094-1.</p> <ul style="list-style-type: none"> - 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 <p>Technical specifications :</p> <p>Quiescent current : 90 mA</p> <p>Relays: ea. 24V / max. 2A</p> <p>Valve outputs: ea. 24V / max. 1,5A</p> <p>Control outputs: ea. 24V / max. 0,5A</p> <p>Temperature range : -5°C to +40°C</p> <p>Humidity: max. 95% rel. H.</p> <p>Weight : 188 g</p> <p>Dimensions (WxHxD) : 170x110x20 mm</p> <p>VdS No. : applied for</p>	880,00
B01125-00	 <p style="color: red; text-align: center;">Available IV. Quarter 2015</p>	<p>Front Plate "extinguishing zone" for Solution F2</p> <ul style="list-style-type: none"> - For displaying of 1 extinguishing area - Please order extinguishing range display B01225-00 separately - Supplied without key switch B01205-20 <p>Technical specifications :</p> <p>Colour : RAL 7036</p> <p>Material : Polyester</p> <p>Temperature range : -10°C to +80°C</p> <p>Weight : 20 g</p> <p>Dimensions (WxHxD) : 113 x 110 x 1 mm</p> <p>VdS No. : applied for</p>	98,00

Order No.	Picture	Description	Unit price
B01225-00	<p style="color: red; text-align: center;">Available IV. Quarter 2015</p>	<p>Extinguishing Display Module for one extinguishing area</p> <ul style="list-style-type: none"> - 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 <p>Technical specifications :</p> <p>Quiescent current : 0,2 mA Temperature range : -5°C to +40°C Weight : 16 g Dimensions (WxHxD): 70 x 54 x 12 mm VdS No. : applied for</p>	98,00
B01205-20	<p style="color: red; text-align: center;">Available IV. Quarter 2015</p>	<p>Optional key switch (low voltage) for the extinguish area display</p> <ul style="list-style-type: none"> - Installation into front panel of the FCP - For manual blocking function, revision - Closure "2" - 3 key withdrawal positions <p>Technical specifications :</p> <p>Weight : 60 g Dimensions (WxHxD): 50 x 28 mm VdS No. : applied for</p>	60,00
B01341-00	 <p style="color: red; text-align: center;">Available IV. Quarter 2015</p>	<p>Extensions – Standard Extinguishing Interface (SST) for extinguishing control board / I/O-extension</p> <ul style="list-style-type: none"> - 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. <p>Technical specifications :</p> <p>Quiescent current : 0,2 mA Relays: 4 dry contacts, each max. 30V/1A Electronic inputs : 3k3 / 680 Ohm Temperature range : -5°C to +40°C Humidity : max. 95% rel. H. Weight : 31 g VdS No. : applied for</p>	125,00

Configuration table "Solution F2"



B01070-00



B01080-00



B01090-00

Standard Configuration	"Solution F2" in housing A - 3 programmable relays - 2 monitored sounder outputs - 8 programmable OC outputs - USB interface - RS232 interface - 2 programmable push buttons - graphics LC module	"Solution F2" in housing B1 - 3 programmable relays - 2 monitored sounder outputs - 8 programmable OC outputs - USB interface - RS232 interface - 2 programmable push buttons - graphics LC module	"Solution F2" in housing B2 - 3 programmable relays - 2 monitored sounder outputs - 8 programmable OC outputs - USB interface - RS232 interface - 2 programmable push buttons - graphics LC module
Dimensions (W x H x D)	370 x 320 x 128 mm	500 x 440 x 175 mm	500 x 440 x 175 mm
Loop capacity : 1 Loop = 127 detectors/modules/Wall sounders +127 pcs. Base Sounders & Sounder/Beacons	1 loop included (2nd loop as extension)	1 loop included (2nd loop as extension)	1 loop included (2nd loop as extension)
Power Supply Unit	24V / 2,5A	24V / 3,5A	24V / 3,5A
Batteries max.	2 x 12Ah / 12 V	2 x 24Ah / 12V	2 x 24Ah / 12V
2nd Loop Module	option	option	option
I/O Extension	-	option	option
RS485 Interface, <u>redundant</u>	option	option	option
	998,00 €	1.228,00 €	1.168,00 €


Extensions :

2nd Loop Module	B01100-00	B01100-00	B01100-00
I/O Extension	-	B01110-00	B01110-00
RS485 Interface, <u>redundant</u>	B01115-00	B01115-00	B01115-00
32er Zone LEDs max. 2 pcs.	-	B01220-00	-
In-built Printer	-	B01230-00	B01230-00
Relay Card (8 dry c/o contacts)	-	B01330-00	B01330-00
Analogue Telephone Modem for Remote Control / Configuration	B01370-00	B01370-00	B01370-00
ISDN Telephone Modem for Remote Control / Configuration	B01373-00	B01373-00	B01373-00
NSC Webserver Module	B01380-00 only with 90° plug	B01380-00	B01380-00
Extinguishing control board max. 1 pcs.	-	B01325-00	B01325-00
Front Plate "Extinguishing Zone" max. 1 pcs.	-	B01125-00	B01125-00
Extinguishing Display Module max. 1 pcs.	-	B01225-00	B01225-00
Optional key switch max. 1 pcs.	-	B01205-20	B01205-20
Extension Standard Extinguishing interface	-	B01341-00	B01341-00

Batteries (per FCP 2 pcs)

Battery, 12 V / 12 Ah	2 x X95200-12	2 x X95200-12	2 x X95200-12
Battery, 12 V / 18 Ah	-	2 x X19176-30	2 x X19176-30
Battery, 12 V / 26 Ah	-	2 x X95615-00	2 x X95615-00

Modular Fire Control Panels „Solution F1“

Order No.	Picture	Description	Unit price
B01050-00	 <p>Photo : F1-6 in housing A2 and incl. zone LEDs</p>	<p>Fire Control Panel "Solution F1-6" Standard configuration for 2-6 loops and max. 762 detectors / modules with power supply 4 A / 24 V included</p> <p>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.</p> <p>The standard configuration includes :</p> <ul style="list-style-type: none"> - 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 <p>Please order housing separately.</p> <p>Technical specifications :</p> <p>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 rate : IP40 Weight : 14,9 kg with housing A1 Dimensions : see housings</p> <p>VdS approval : G 205024 VdS System approval : S 205024 EC-certificate : 0786-CPD-20907</p>	1720,00

Order No.	Picture	Description	Unit price
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B01060-00



Photo : F1-18 in housing B2 and incl. zone LEDs

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

2270,00

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 :

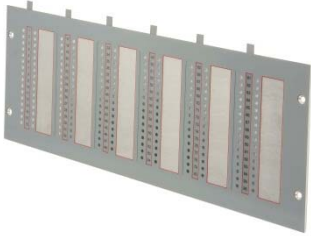
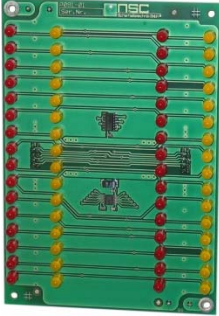

Mains AC : 230 V AC, 50/60 Hz
 Operating voltage : 24 V DC
 Quiescent current : 90 mA
 Loops / Spurs : 2 – 18 / 8 - 72
 Power supply : 6,7 A / 24 V
 Batteries : max. 65 Ah / 24 V
 IP rate : IP40
 Weight : ca. 19,5 kg with housing B1
 Dimensions : see housings


VdS approval : G 205024


VdS System approval : S 205024



EC-certificate : 0786-CPD-20907




System components of FCP „Solution F1“



Order No.	Picture	Description	Unit price
B01200-00		19"- 4U front plate for up to 96 zone indication LEDs <ul style="list-style-type: none"> – Up to 3 zone indication LED modules B01220-00 can be assembled behind this metal plate – Poly carbonate foil looks very worthwhile – Very attractive design – Strips with individual numbers can be fitted in to identify the zones – Strips with individual texts can be fitted in to describe the zones <p>Please choose the numbers of 32 LED zone indication modules B01220-00 separately.</p> <p>Technical specifications: Material : Alu / poly carbonate Colour : platinum grey, RAL 7036 Dimensions (W x H x D): 483 x 176 x 3 mm VdS No : G 205024</p>	156,00
B01220-00		32 LEDs zone indication module <ul style="list-style-type: none"> – LED module with 32 red / 32 yellow LEDs for zone indication – For mounting at front plate B01200-00 above – Zone LED programmable – Up to 6 x B01220-00 (=192 zone LEDs) can be mounted in one panel (C2 housing) <p>Technical specifications : Dimensions (W x H x D) : 104 x 150 x 26 mm VdS No. : G 205024</p>	148,00
B01230-00		Printer (Built-In version) with RS-232 interface and power supply <ul style="list-style-type: none"> – Interfacing to Fire Alarm Control Panel by included RS-232 interface – Thermal printer with 40 characters per line – Controller and power supply included – Memory 8 k RAM included for fast data transmission <p>Technical specifications : Paper width : 58 mm Characters / line : 40 Colour : grey Dimensions (W x H x D) : 85 x 85 x 55 mm</p>	490,00
B01231-00		Spare paper role for Printer One role 58mm, diameter 37mm	4,00

Order No.	Picture	Description	Unit price
B01262-00		<p>Loop card “ESP High Power” for System F1, supports 2 loops / 4 spurs of <u>Hochiki ESP detectors</u></p> <ul style="list-style-type: none"> - 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 <p>Technical specifications :</p> <p>Quiescent current : 40 mA max. current per loop : 300 mA Weight : 250 g Dimensions (W x H x D) : 170 x 110 x 20 mm VdS No. : G 205024</p>	480,00


B01267-00		<p>Loop card “Apollo High Power” for System F1, supports 2 loops / 4 spurs of <u>Apollo detectors XP95 and Discovery</u></p> <ul style="list-style-type: none"> - 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 <p>Technical specifications :</p> <p>Quiescent current : 40 mA max. current per loop : 350 mA Weight : 250 g Dimensions (W x H x D) : 170 x 110 x 20 mm VdS No. : G 205024</p>	480,00
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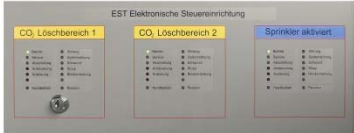
Order No.	Picture	Description	Unit price
B01272-00		<p>Loop card “ESP High Power” for F1 system, supports 2 loops / 8 spurs of Hochiki ESP detectors, 100% redundant (According to EN-54 regulations necessary if more than 512 detectors are connected)</p> <ul style="list-style-type: none"> - 50% more loop current - with <u>doubled</u> 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 <p>Technical specifications :</p> <p>Quiescent current : 45 mA max. current per loop : 300 mA Weight : 250 g Dimensions (W x H x D) : 170 x 110 x 20 mm VdS No. : G 205024</p>	548,00
B01277-00		<p>Loop card “Apollo High Power” for F1 system, supports 2 loops / 8 spurs of Apollo detectors XP95 and Discovery, 100% redundant (According to EN-54 regulations necessary if more than 512 detectors are connected)</p> <ul style="list-style-type: none"> - 50% more loop current - with <u>doubled</u> 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 <p>Technical specifications :</p> <p>Quiescent current : 45 mA max. current per loop : 350 mA Weight : 250 g Dimensions (W x H x D) : 170 x 110 x 20 mm VdS No. : G 205024</p>	548,00


Order No.	Picture	Description	Unit price
B01300-00		<p>Conventional detector card for F1 system, supports 8 spurs of conventional detectors</p> <ul style="list-style-type: none"> - 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 <p>Technical specifications :</p> <p>Quiescent current : 30 mA w/o sensors Weight : 200 g Dimensions (W x H x D) : 170 x 110 x 20 mm</p> <p>VdS No. : G 205024</p>	368,00
B01310-00		<p>Conventional detector card for F1 system, supports 8 spurs of conventional detectors, <u>100% redundant</u></p> <ul style="list-style-type: none"> - 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 <p>Technical specifications :</p> <p>Quiescent current : 35 mA w/o sensors Weight : 250 g Dimensions (W x H x D) : 170 x 110 x 20 mm</p> <p>VdS No. : G 205024</p>	398,00
B01330-00		<p>Universal Relay card with 8 dry c/o contacts</p> <ul style="list-style-type: none"> - 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 <p>Technical specifications :</p> <p>Quiescent current : 5 mA Contacts : 8 x change over Max. Load : 250V AC / 5 A Weight : 200 g Dimensions (W x H x D) : 127 x 85 x 20 mm</p> <p>VdS No. : G 205024</p>	195,00

Order No.	Picture	Description	Unit price
F20040-11		Redundant CPU card P040-xx for Fire Control Panels "Solution F1" <ul style="list-style-type: none"> Additional plug-in module to achieve a full redundant main board According to EN54 standard necessary if more than 512 detectors are connected VdS-No. : G 205024	519,00
B01340-00		Extinguishing interface according to VdS standards, 8 extinguishing outputs <ul style="list-style-type: none"> Module incl. 8 relay outputs to activate extinguishing panel Including 8 inputs to monitor the extinguishing panel Installed and wired in FCP "Solution F1" Technical specifications : Quiescent current : 64 mA Outputs : 8 relays Relay contacts : 230V AC / 5 A Weight : 280 g Dimensions : 127 x 85 x 20 mm plus 170 x 110 x 20 (WxHxD)	676,00
B01345-00		Network software for FCP "Solution F1", for use with ARCNET interface card <ul style="list-style-type: none"> 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 Calculate the software once per network 	1400,00
B01350-00		ARCNET Network card for "Solution F1" panels <ul style="list-style-type: none"> 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 ARCNET Interface : up to 128 nodes Cable length : max. 1.200 m Weight: 0,1kg Dimensions : 80 x 48 x 20 mm	338,00

Extinguishing components for „Solution F1“

Order No.	Picture	Description	Unit price
B01325-00	 <p>Available IV. Quarter 2015</p>	<p>Extinguishing control board P129 for Solution F1, extinguish area, in accordance with EN12094-1</p> <p>Electronic, automatic control- and delay board for extinguishing controls for installation in Solution F1. Structure and functions strictly in accordance with EN12094-1.</p> <ul style="list-style-type: none"> – 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 <p>Technical specifications :</p> <p>Quiescent current : 90 mA Relays: ea. 24V / max. 2A 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) : 170x110x20 mm</p> <p>VdS-No. : applied for</p>	880,00




B01205-00	 <p>Available IV. Quarter 2015</p>	<p>4U Front plate for Extinguishing Control Panel “Solution F1”</p> <ul style="list-style-type: none"> – 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 <p>Technical specifications :</p> <p>Material : Alu / polycarbonate Colour : platin grey, RAL7036 Dimensions (WxHxD) : 483 x 176 x 3 mm</p> <p>VdS-No. : applied for</p>	196,00
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Order No.	Picture	Description	Unit price
B01225-00		Extinguishing Display Module for one extinguishing area <ul style="list-style-type: none"> – Display board for one extinguishing area, installation into Solution F1; Structure and functions strictly according to EN12094-1. – 3 boards can be mounted behind B01205-00 – 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 VdS-No. : applied for	98,00
	Available IV. Quarter 2015		
B01205-20		Optional key switch (low voltage) for the Extinguishing Display Module B01225-00 <ul style="list-style-type: none"> – Installation into front panel of the FCP – For manual blocking function, revision – Closure "2" – 3 key withdrawal positions Technical specifications : Weight : 60 g Dimensions (WxHxD): 50 x 28 mm VdS-No. : applied for	60,00
	Available IV. Quarter 2015		
B01341-00		Extensions – Standard Extinguishing Interface (SST) for extinguishing control board / I/O-extension <ul style="list-style-type: none"> – 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 dry 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, each max. 1A/30V Electronic inputs : 3k3 / 680 Ohm Temperature range : -5°C to +40°C Humidity: max. 95% rel. Weight : 31 g VdS-No. : applied for	125,00
	Available IV. Quarter 2015		


Software Interfaces for FCP

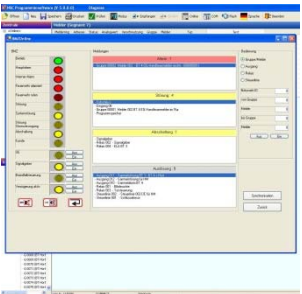
Order No.	Picture	Description	Unit price
B01360-00		ESPA Interface 4.4.4 for Fire Control Panels "Solution F1/F2" <ul style="list-style-type: none"> - Serial interface / protocol to connect the FCP "Solution F1/F2" to telephone or evacuation systems - Software for using the RS-232 interface of the FCP - Transmission of alarm text messages - Activation by special access code 	480,00
B01361-00		„LIST” protocol / interface for Fire Control Panel "Solution F1" <ul style="list-style-type: none"> - Serial interface / protocol to connect the linear heat cable system "Listec" to the FCP „Solution F1-6“ and „Solution F1-18“ (see chapter 5) - All information incl. address and temperature of the addressable heat elements are passed to the F1 panels - Software for using the RS232 or RS485 interface of the „Solution F1“ - Activation by special access code 	720,00
B01362-00		OPC Server Software, based on RS-232/ MODBUS interface <ul style="list-style-type: none"> - Serial interface / protocol to connect the "Solution F1/F2" panels to an OPC Server - Software is using the RS-232 interface of the FCP - Activation by special access code 	1890,00
B01363-00		MODBUS protocol for FCP "Solution F1/F2" <ul style="list-style-type: none"> - Software module using the integrated RS232 or RS485 interfaces to provide MODBUS protocol - For interfacing other systems via MODBUS - Activation by special access code 	480,00
B01364-00		Monitored serial Interface to control the EAV8/16 Voice Alarm System according to EN54-16 <ul style="list-style-type: none"> - Available only in combination with Voice Alarm System EVA8/EVA16 - <u>Only for FCP "Solution F1"</u> - Software is using the RS232 or RS485 interface of the FCP - Activation by special access code 	198,00

Remote Control / Remote Configuration of FCPs

Order No.	Picture	Description	Unit price
B01370-00		<p>Analogue Telephone modem for remote control software of the „Solution F1/F2“</p> <ul style="list-style-type: none"> – By the NSC modem software and this module it becomes possible to operate and analyse the fire control panel by telephone modem – For fitting in a slot of the main board – Power supply by the main board <p>Technical specifications : Quiescent current : 140 mA Ambient temperature : 0 – 55° C Data rate : max. 56.000 bps Dimensions : 56 x 56 x 14 mm</p>	298,00
B01373-00		<p>ISDN Telephone modem for remote control software of the „Solution F1/F2“</p> <ul style="list-style-type: none"> – By the NSC modem software and this module it becomes possible to operate and analyse the fire control panel by telephone modem – For fitting in a slot of the main board – Power supply by the main board <p>Technical specifications : Quiescent current : 40 mA Ambient temperature : 0 – 55° C Data rate : max. 64.000 bps Dimensions : 56 x 56 x 14 mm</p>	398,00
B01380-00		<p>NSC Webserver for “Solution F1/F2”</p> <ul style="list-style-type: none"> – Permits the access to NSC FCP via the Internet without auxiliary software – Use of the www infrastructure => e.g. by means of Internet Explorer, Firefox, Safari etc. – User administration for 30 users – Access by user name and password – 9 different access authorizations – Indicates all messages/status of the FCP – Online control of the Fire Alarm Panel front facia – Complete operation of the FCP – Plug-in module for “Solution F1” and “Solution F2” <p>Technical specifications : Quiescent current : 38mA (24V DC) 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 Dimensions : 56 x 56 x 22 mm</p>	550,00



Order No.	Picture	Description	Unit price
B01390-00		Download cable for updating of loop cards and conventional detector cards of the "Solution F1" FDT software necessary (free of charge)	98,00

B01395-00		Configuration software for "Solution F1/F2" <ul style="list-style-type: none"> - Windows Explorer based software and so it is very easy and fast to handle - Implemented by Windows.NET - For configuration of detectors, zones, inputs, outputs, loops and spurs - For analysing of analogue values / cable resistors / statistics / event memory - Drag- and drop functionalities - CD-ROM with auto start and setup 	1980,00
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B01396-00		Modem software (Remote control software) for "Solution F1/F2" panel <ul style="list-style-type: none"> - For use with modem B01370-00 or B01373-00 (please order modem separately) - Panel firmware module to use full functional Windows software B01395-00 - For configuration of detectors, zones, inputs, outputs, loops and spurs - For analysing of analogue values / contamination / statistics / event memory 	798,00
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Surface mounted Steel Housings for Fire Control Panels „Solution F1“

Housing A : max. 6 loops / 24 conventional spurs

Order No.	Picture	Description	Unit price
B01400-00		<p>Housing A1 for the F1 system, space for max. 6 loops / 24 conventional spurs and 2 pcs. 18 Ah / 12 V batteries</p> <ul style="list-style-type: none"> - without electronics - suitable to fit in a standard configuration of the "Solution F1-6" - Housing cover for 4HE touch control panel - Key lockable <p>Technical specifications :</p> <p>Material : steel, RAL 7035 Space for batteries : max. 18 Ah / 24 V Dimensions : 490 x 540 x 158 mm (H x W x D) Weight : 10,1 kg VdS No. : G 205024</p>	199,00
B01405-00		<p>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</p> <ul style="list-style-type: none"> - 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 <p>Technical specifications :</p> <p>Material : steel, RAL 7035 Space for batteries : max. 18 Ah / 24 V Dimensions : 490 x 540 x 158 mm (H x W x D) Weight : 10,1 kg VdS No. : G 205024</p>	199,00

Housing B : max. 12 loops / 48 conventional spurs


Order No.	Picture	Description	Unit price
B01410-00		Housing B1 for the F1 system, space for max. 12 loops / 48 conventional spurs and 2 pcs. batteries 40 Ah / 12 V <ul style="list-style-type: none"> - 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, RAL 7035 Space for batteries : max. 2 x 40 Ah / 24 V Dimensions : 540 x 540 x 245 mm (H x W x D) Weight : 13,8 kg VdS No. : G 205024	280,00

B01415-00		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 <ul style="list-style-type: none"> - 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, RAL 7035 Space for batteries : max. 2 x 40 Ah / 24 V Dimensions : 540 x 540 x 245 mm (H x W x D) Weight : 13,8 kg VdS No. : G 205024	280,00
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Housing C : max. 18 loops / 72 conventional spurs

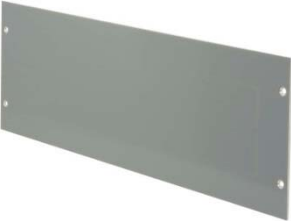
Order No.	Picture	Description	Unit price
B01420-00		Housing C1 for the F1 system, space for max. 18 loops / 72 conventional spurs and 2 pcs. batteries 65 Ah / 12 V <ul style="list-style-type: none"> - without electronics - suitable to fit in a standard configuration of the "Solution F1-6" or "Solution F1-18" - Housing cover for 4HE touch control panel - Key lockable Technical specifications : Material : steel, RAL 7035 Space for batteries : max. 2 x 65 Ah / 24 V Dimensions : 760 x 540 x 265 mm (H x W x D) Weight : 21,0 kg VdS No. : G 205024	358,00
B01425-00		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 <ul style="list-style-type: none"> - 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, RAL 7035 Space for batteries : max. 2 x 65 Ah / 24 V Dimensions : 760 x 540 x 265 mm (H x W x D) Weight : 19,8 kg VdS No. : G 205024	358,00
B01440-00		Spare Key (Set of 2 pcs.) for F1 Housings A, B or C	12,80

Flush-mounted Steel Housings for Fire Control Panels „Solution F1“

Order No.	Picture	Description	Unit price
B01407-00		<p>Housing A2-flush mount for the F1, cover for max. 96 zone LEDs, space for max. 6 loops / 24 conventional zones</p> <ul style="list-style-type: none"> - 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 <p>Technical specifications :</p> <p>Material : steel, RAL 7035</p> <p>Space for batteries : max. 2x18 Ah / 24 V</p> <p>Dimensions : 485 x 533 x 145 mm (H x W x D)</p> <p>Weight : 9,5 kg</p>	350,00

19" Housings for Fire Control Panels „Solution F1“

Order No.	Picture	Description	Unit price
B01455-00		19" Housing 43 U with glass door and swing mounting rack to assemble FCP "Solution F1" <ul style="list-style-type: none"> - 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 : Space for batteries : max. 2 x 85Ah / 12V Colour : RAL 7035 Dimensions : 2070 x 800 x 800 mm	2495,00
B01457-00		Fan for 19" racks B01450-00 / B01455-00 <ul style="list-style-type: none"> - Assembled and wired inside the 19" rack 	120,00
B01457-01		Thermostat for 19" racks B01450-00 / B01455-00 <ul style="list-style-type: none"> - Assembled and wired inside the 19" rack - Only available in combination with B01457-00 	84,00
B01466-00		Wall mounted 19" Housing, 12 U, incl. glass door, middle part and back plate, max. 18 loops / 72 conventional spurs <ul style="list-style-type: none"> - 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 : Space for batteries : max. 2 x 40Ah / 12V Colour : RAL 7035 IP rating : IP 20 Weight : 35 kg (w/o FCP) Dimensions (HxWxD) : 615 x 600 x 400 mm	648,00

Order No.	Picture	Description	Unit price
B01466-01		Wall mounted 19" Housing, 12 U, Version with IP rate 55, incl. glass door, middle part and back plate, max. 18 loops / 72 conventional spurs <ul style="list-style-type: none"> - 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 : Space for batteries : max. 2 x 40Ah / 12V Colour : RAL 7035 IP rating : IP 55 Weight : 37 kg (w/o FCP) Dimensions (HxWxD) : 612 x 600 x 373 mm	798,00
B01480-00		Blind plate 19", 4 U for F1 System, grey <ul style="list-style-type: none"> - 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	90,00
B01481-00		Blind plate 19", 2 U for F1 System, grey <ul style="list-style-type: none"> - 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	54,90
F01020-00		Back board for 19" housings, for mounting of panel components PSU, Main board, loop cards, relay cards etc. <ul style="list-style-type: none"> - 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	120,00

Configuration table "Solution F1-6"

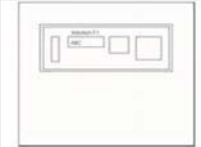
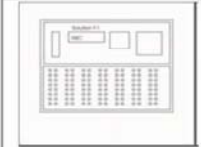
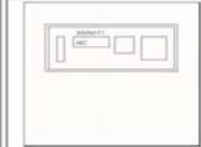
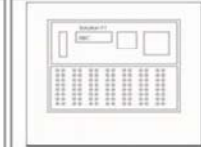
Order No.
B01050-00



max. 6 loops
= max. 3 loop cards;
 incl. touch panel;
 incl. Graphics LC module;
 incl. PSU 230V AC / 4,2A DC

Standard configuration :
 - incl. 3 x RS-232 Interface
 - incl. 3 x sounder/beacon outputs, each 500mA
 - incl. Earth fault monitoring
 - incl. **redundant RS485 interface**

programmable by software:
 - 3 sounder outputs
 - 16 digital OC outputs
 - 8 digital OC inputs
 - 4 dry contact relays
 - 8 push buttons

Housings				
Order No.	B01400-00	B01405-00	B01410-00	B01415-00
Dimensions (H x W x D)	490 x 540 x 158 mm	490 x 540 x 158 mm	540 x 540 x 243 mm	540 x 540 x 243 mm
Battery capacity	max. 2 x 18Ah / 12V	max. 2 x 18Ah / 12V	max. 2 x 40Ah / 12V	max. 2 x 40Ah / 12V
Extensions				
4U Front plate for 96 zone LEDs	-	B01200-00	-	B01200-00
32 zone LEDs module	-	B01220-00 max. 3 pcs.	-	B01220-00 max. 3 pcs.
Built-In Printer	B01230-00	B01230-00	B01230-00	B01230-00
2 Loop Card Hochiki-ESP (2 Loops / 4 stub lines)	B01262-00 max. 3 pcs.	B01262-00 max. 3 pcs.	B01262-00 max. 3 pcs.	B01262-00 max. 3 pcs.
2 Loop Card XP95/Discovery (2 Loops / 4 stub lines)	B01267-00 max. 3 pcs.	B01267-00 max. 3 pcs.	B01267-00 max. 3 pcs.	B01267-00 max. 3 pcs.
2 Loop Card Hochiki-ESP (2 Loops / 8 stub lines) redundant	B01272-00 max. 3 pcs.	B01272-00 max. 3 pcs.	B01272-00 max. 3 pcs.	B01272-00 max. 3 pcs.
2 Loop Card XP95/Discovery (2 Loops / 8 stub lines) redundant	B01277-00 max. 3 pcs.	B01277-00 max. 3 pcs.	B01277-00 max. 3 pcs.	B01277-00 max. 3 pcs.
Conventional Detector Card 8 zones	B01300-00 max. 3 pcs.	B01300-00 max. 3 pcs.	B01300-00 max. 3 pcs.	B01300-00 max. 3 pcs.
Conventional Detector Card 8 zones, redundant	B01310-00 max. 3 pcs.	B01310-00 max. 3 pcs.	B01310-00 max. 3 pcs.	B01310-00 max. 3 pcs.
Relay Card, 8 c/o contacts	B01330-00 max. 3 pcs.	B01330-00 max. 3 pcs.	B01330-00 max. 3 pcs.	B01330-00 max. 3 pcs.
Redundant CPU module	F20040-11	F20040-11	F20040-11	F20040-11
Extinguishing control board, accordance to EN12094-1	-	B01325-00 (max. 2 pcs.)	-	B01325-00 (max. 5 pcs.)
4U Front plate for Extinguishing	-	B01205-00 (max. 1 pcs.)	-	B01205-00 (max. 1 pcs.)
Extinguishing Display Module	-	B01225-00 (max. 3 pcs.)	-	B01225-00 (max. 3 pcs.)
Optional key switch	-	B01205-20 (max. 3 pcs.)	-	B01205-20 (max. 3 pcs.)
Extension - Standard Extinguishing Interface	-	B01341-00	-	B01341-00
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 RS232/MODBUS Interface	B01362-00	B01362-00	B01362-00	B01362-00
MODBUS Protocol	B01363-00	B01363-00	B01363-00	B01363-00
Analogue Telephone Modem for Remote Control / Configuration	B01370-00	B01370-00	B01370-00	B01370-00
ISDN Telephone Modem for Remote Control / Configuration	B01373-00	B01373-00	B01373-00	B01373-00
NSC Webserver Module	B01380-00	B01380-00	B01380-00	B01380-00
Fireproof Housing F30 AWS 605	B01435-00	B01435-00	B01435-00	B01435-00
Fireproof Housing F30 AWS 905	B01436-00	B01436-00	B01436-00	B01436-00
Batteries (per FCP 2 pcs.)				
Battery, 12 V / 18 Ah	2 x X19176-30	2 x X19176-30	2 x X19176-30	2 x X19176-30
Battery, 12 V / 26 Ah	-	-	2 x X95615-00	2 x X95615-00
Battery, 12 V / 40 Ah	-	-	2 x X95630-00	2 x X95630-00

Configuration table "Solution F1-18"

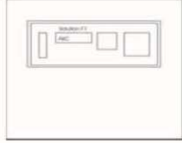
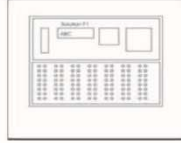
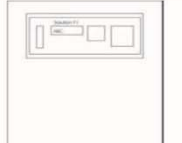
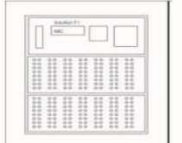
Order No.
B01060-00



max. 18 loops
= max. 9 loop cards;
incl. touch panel;
incl. Graphics LC module;
incl. PSU 230V AC / 6,7A
DC

Standard configuration :
- incl. 3 x RS-232 Interface
- incl. 3 x sounder/beacon
outputs, each 500mA
- incl. Earth fault monitoring
- incl. **Redundant RS485**
interface

programmable by software
:
- 3 sounder outputs
- 16 digital OC outputs
- 8 digital OC inputs
- 4 dry contact relays
- 8 push buttons

Housings				
	B1	B2	C1	C2
Order No.	B01410-00	B01415-00	B01420-00	B01425-00
Dimensions (H x W x D)	540 x 540 x 243 mm	540 x 540 x 243 mm	760 x 540 x 265 mm	760 x 540 x 265 mm
Battery capacity	max. 2 x 40Ah / 12V	max. 2 x 40Ah / 12V	max. 2 x 65Ah / 12V	max. 2 x 65Ah / 12V



Extensions



4U Front plate for 96 zone LEDs	-	B01200-00 max. 1 pcs.	-	B01200-00 max. 2 pcs.
32 zone LEDs module	-	B01220-00 max. 3 pcs.	-	B01220-00 max. 6 pcs.
Built-In Printer	B01230-00	B01230-00	B01230-00	B01230-00
2 Loop Card Hochiki-ESP (2 Loops / 4 stub lines)	B01260-00 max. 6 pcs.	B01260-00 max. 6 pcs.	B01260-00 max. 9 pcs.	B01260-00 max. 9 pcs.
2 Loop Card XP95/Discovery (2 Loops / 4 stub lines)	B01265-00 max. 6 pcs.	B01265-00 max. 6 pcs.	B01265-00 max. 9 pcs.	B01265-00 max. 9 pcs.
2 Loop Card Hochiki-ESP (2 Loops / 8 stub lines) redundant	B01270-00 max. 6 pcs.	B01270-00 max. 6 pcs.	B01270-00 max. 9 pcs.	B01270-00 max. 9 pcs.
2 Loop Card XP95/Discovery (2 Loops / 8 stub lines) redundant	B01275-00 max. 6 pcs.	B01275-00 max. 6 pcs.	B01275-00 max. 9 pcs.	B01275-00 max. 9 pcs.
Conventional Detector Card 8 zones	B01300-00 max. 6 pcs.	B01300-00 max. 6 pcs.	B01300-00 max. 9 pcs.	B01300-00 max. 9 pcs.
Conventional Detector Card 8 zones, redundant	B01310-00 max. 6 pcs.	B01310-00 max. 6 pcs.	B01310-00 max. 9 pcs.	B01310-00 max. 9 pcs.
Relay Card, 8 c/o contacts	B01330-00 max. 3 pcs.	B01330-00 max. 3 pcs.	B01330-00 max. 3 pcs.	B01330-00 max. 3 pcs.
Redundant CPU module	F20040-11	F20040-11	F20040-11	F20040-11
Extinguishing control board, accordance to EN12094-1	-	B01325-00 max. 5 pcs.	-	B01325-00 max. 8 pcs.
4U Front plate for Extinguishing	-	B01205-00 max. 1 pcs.	-	B01205-00 max. 2 pcs.
Extinguishing Display Module	-	B01225-00 max. 3 pcs.	-	B01225-00 max. 6 pcs.
Optional key switch	-	B01205-20 max. 3 pcs.	-	B01205-20 max. 6 pcs.
Extension - Standard Extinguishing Interface	-	B01341-00	-	B01341-00
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 RS232/MODBUS Interface	B01362-00	B01362-00	B01362-00	B01362-00
MODBUS Protocol	B01363-00	B01363-00	B01363-00	B01363-00
Analogue Telephone Modem for Remote Control / Configuration	B01370-00	B01370-00	B01370-00	B01370-00
ISDN Telephone Modem for Remote Control / Configuration	B01373-00	B01373-00	B01373-00	B01373-00
NSC Webserver Module	B01380-00	B01380-00	B01380-00	B01380-00
Fireproof Housing F30 AWS 605 (HxWxD) 710 x 710 x 366 mm	B01435-00	B01435-00	-	-
Fireproof Housing F30 AWS 905 (HxWxD) 1010 x 710 x 441 mm	B01436-00	B01436-00	B01436-00	B01436-00


Batteries (per FCP 2 pcs.)




Battery, 12 V / 18 Ah	2 x X19176-30	2 x X19176-30	2 x X19176-30	2 x X19176-30
Battery, 12 V / 26 Ah	2 x X95615-00	2 x X95615-00	2 x X95615-00	2 x X95615-00
Battery, 12 V / 40 Ah	2 x X95630-00	2 x X95630-00	2 x X95630-00	2 x X95630-00
Battery, 12 V / 65 Ah	-	-	2 x X95666-00	2 x X95666-00

Network Technology (ARCNET) for the F1 System


Order No.	Picture	Description	Unit price
B01500-00		<p>Control Panel w/o loops for the "Solution F1" system incl. ARCNET interface</p> <ul style="list-style-type: none"> – 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 <p>Technical specifications :</p> <p>Operating voltage : 24 V DC Current consumption : 80 mA ARCNET interface : up to 128 devices in one network Cable length : max. 1.200m Weight : 4,9 kg Dimensions (W x H x D): 492 x 260 x 80 mm</p>	1098,00
B01530-00		<p>ARCNET-Hub SH ARC-M3 for network extension (w/o Ports B01535-00)</p> <ul style="list-style-type: none"> – 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 	795,00

Order No.	Picture	Description	Unit price
B01535-00	 <p>Photo : similar to original</p>	Interface module (Port) SH-RS485-M to fit in ARCNET-Hub <ul style="list-style-type: none"> - 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 selectable by Dip-Switch Technical specifications : <ul style="list-style-type: none"> Operating voltage : +5 V/ < 400 mA Data rate : 0 to 10 Mbps Input voltage level : +/- 200 mV Polarity in quiescent condition : positive Input resistance : ca. 120 Ohm Emitting level : min. +/- 3,0 V Connector : Sub-D 9pole female 	358,00
B01550-00		ARCNET / Fibre Optic converter, LCON-1 <ul style="list-style-type: none"> - 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 : <ul style="list-style-type: none"> Operating voltage : 18 - 30 V DC Current consumption : 200 mA max Data rate : 5 MBit/s max Distance of fibre optic cable : max. 2.600 m Optical terminal : ST 850 nm Housing : DIN rail according DIN 50022 Operating temperature : 0 to 70°C Dimensions (W x H x D) : 82 x 93 x 23 mm 	678,00

B01550-02		ARCNET / Fibre Optic converter LCON-2, 2 optical channels <ul style="list-style-type: none"> - <u>2 channel converter</u> - other specs like B01550-00 	922,00
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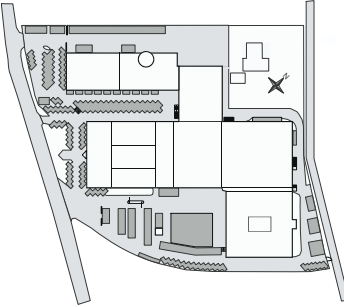
Order No.	Picture	Description	Unit price
B01551-00		ARCNET/RS485 – Fibre Optic Converter DL-485 <ul style="list-style-type: none"> – Converter of ARCNET interface data to fibre optic signals (Single mode 1310nm) – Status LEDs for Operation, Data Receive and Fault – Surface mounted housing for DIN rail according DIN 50022 Technical Specifications : <ul style="list-style-type: none"> Operating voltage : 12 - 30 V DC Current consumption : 200 mA max. Operating temperature : -40 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 according to DIN 50022 Dimensions (WxHxD) : 61 x 133 x 115 mm 	1580,00
B01551-02		ARCNET/RS485 - Fibre Optic Converter DL-485 / 2 optical channels <ul style="list-style-type: none"> – <u>2 channel converter</u> – all other specs like B01551-00 	1925,00
B01557-00		ARCNET/RS485 - Fibre Optic Converter DL-485RS / <u>optical redundant (loop topology)</u> <ul style="list-style-type: none"> – <u>Redundant converter</u> of ARCNET interface data to fibre optic signals (Single mode 1310nm) – <u>Fibre Cable installation as loop</u> – Status LEDs for Operation, Data Receive and Fault – Surface mounted housing for DIN rail according DIN 50022 Technical specifications : <ul style="list-style-type: none"> Operating voltage : 12 - 30 V DC Current consumption : 200 mA max. Operating temperature : -40 to +70 °C Data rate : 156,25 kb Optical budget : 17 dB Fibre cable distance : max. 25 km Optical cable : Single-Mode 1310nm Optical connector : ST Housing : DIN Rail according to nach DIN 50022 Dimensions (WxHxD) : 61 x 133 x 115 mm 	2198,00

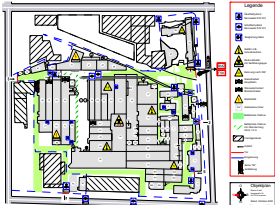
Network Technology (RS485) for FCPs “F1 / F2”

Order No.	Picture	Description	Unit price
B01520-01		Remote Control Panel with graphics LC module and RS485 interface, English version <ul style="list-style-type: none"> – 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 <u>63 LCD Repeater Panels</u> 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 : <ul style="list-style-type: none"> Operating voltage : 21 - 28 V DC Quiescent current : 35 mA Operating temperature : 0 to 40°C Interface : RS485 Max. cable length to CIE : 1.200 m Housing : steel, coated RAL7035 Dimensions (W x H x D) : 240 x 180 x 28 mm 	598,00
B01520-02		Remote Control Panel with graphics LC module and RS485 interface <ul style="list-style-type: none"> – Portuguese version 	598,00
B01520-03		Remote Control Panel with graphics LC module and RS485 interface <ul style="list-style-type: none"> – Netherland version 	598,00
B01520-04		Remote Control Panel with graphics LC module and RS485 interface <ul style="list-style-type: none"> – Czech version 	598,00
B01520-05		Remote Control Panel with graphics LC module and RS485 interface <ul style="list-style-type: none"> – Italian version 	598,00

Order No.	Picture	Description	Unit price
B01560-00		Converter RS232 / RS485, isolated <ul style="list-style-type: none"> - 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 : Operating voltage : 10 - 30 VDC Power consumption : 2,2 W Operating temperature : -10 to +70 °C	248,00
B01562-00		Isolation interface RS-232 // RS232 for electrical isolation of the FCP of e.g. voice alarm EVA 8 / 16 or PC <ul style="list-style-type: none"> - Incl. 1,8m connecting cable - DIN-rail or wall mounting - Full electrical isolation using optocouplers Technical specifications: Isolating voltage: 3000V Power supply:10-30 VDC Power consumption: max. 1,5W Transmission rate: up to 115,2 kbps	298,00
B01565-00		Interface module RS485, triple Hub, with galvanic isolation <ul style="list-style-type: none"> - 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 - Mountable on DIN rail Technical specifications : Operating voltage : 10 - 30 VDC Power consumption : 2,2 W Operating temperature : -10 to +70 °C	398,00
B01570-00		MODBUS/TCP to MODBUS/RTU converter <ul style="list-style-type: none"> - 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 to +75 °C Ethernet Controller : 10/100 BaseT,RJ45 Interfaces : 1xRS232, 1xRS485 Dimensions (WxHxD) : 72 x 123 x 33 mm	626,00

Integrated Building Management System


Order No.	Picture	Description	Unit price
B01702-00	 	<p>WinGuard X3 Express for Windows 7 / Windows 8</p> <p>Integrated Building Management System for event management and controlling on base of a Windows® PC. The open structure philosophy provides flexible organisation of users, events and control action by just 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 history memory and are retrievable all time. Interfaces are to order separately!</p> <ul style="list-style-type: none"> - One user licence (not network compatible) - Max. 1000 Data points (please order separately) - Fire Alarm interface, Intrusion interface and CCTV interface and Dual-Screen-Operation as options (please order separately) - Predefined user profiles (User, main user and administrator) - User specific designed surface - Basic graphics editor to import wmf, bmp and jpg files - Internal buzzer in case of alarm - Upgrade to „WinGuard basic“ possible 	1400,00
B01702-50		<p>Interface (Fire Alarms, Intrusion ,CCTV) by NSC portfolio for <u>WINGUARD X3 Express</u></p> <p>Extension of the Integrated Building Management System</p>	2200,00
B01703-00		<p>WINGUARD X3 Basic for Windows 7 / Windows 8 / Server2008</p> <ul style="list-style-type: none"> - Similar to B01702-00 but network-compatible and expandable up to a maximum of 5 clients. - Max. 5000 Data points - Please order Data points and Client licences separately. 	2400,00


Order No.	Picture	Description	Unit price
B01703-50		Interface (Fire Alarms, Intrusion ,CCTV) by NSC portfolio for <u>WINGUARD X3</u> <u>Basic</u> Extension of the Integrated Building Management System	3300,00
B01715-00		Set of further 100 data points Extension of WinGuard Express and WinGuard Basic software by further 100 Data points.	980,00
B01717-00		Set of further 1000 data points Extension of WinGuard Express and WinGuard Basic software by further 1000 Data points.	8500,00
B01722-00		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.	19,50
B01727-00		WinGuard – Import of one drawing After the import of an existing basic diagram this is optimized for the representation in WinGuard.	130,00



Order No.	Picture	Description	Unit price
B01745-00		WinGuard Software Installation Installation and testing of WinGuard software on the final computer	460,00
B01755-00		Software module for Dual-Screen-Operation Configuration option for the representation of individual system elements on two monitors (e.g.. Diagram and measure window, etc.)	1300,00
B01760-00		Licence for additional work station (PC) A further control position license within a network installation (no further Dongle necessarily); needed for every further PC;	3250,00
B01765-00		Additional interfaces for NSC products like CCTV, Intruder Alarm Panel etc. Interface module with interface-specific functions. Devices outside of the NSC product range.	6500,00
B01770-00		CAD support for WinGuard X3 Basic License to extent the basic software to import dwg/dxf files.	2150,00
B01772-00		CAD support for WinGuard X3 Basic License to extent the basic software to import dwg/dxf files.	3120,00



WinGuard items do not include any hardware.

Power Supply Units

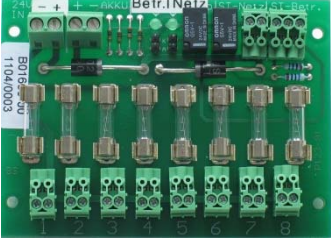
Order No.	Picture	Description	Unit price
B01600-00		<p>Power Supply 24V/ 2A for universal applications</p> <ul style="list-style-type: none"> – Assembly on DIN rail – Closed housing with protection against Mains AC – Extremely wide input range – Short circuit protection – In-built filter against EMC interferences <p>Technical specifications :</p> <p>Input voltage : 100 – 260 V AC Output voltage : 24V DC / 2 A Operating temperature : -10 °C to +50 °C Weight : 400 g Dimensions (W x H x D) : 78 x 93 x 67 mm</p>	95,00

B01610-00		<p>Power Supply 24V/ 5A for universal applications</p> <ul style="list-style-type: none"> – Assembly on DIN rail – Closed housing with protection against Mains AC – Extremely wide input range – Short circuit protection – In-built filter against EMC interferences <p>Technical specifications :</p> <p>Input voltage : 100 – 260 V AC Output voltage : 24V DC / 5 A Operating temperature : -10 °C to +50 °C Weight : 650 g Dimensions (W x H x D) : 65 x 125 x 100 mm</p>	164,00
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Order No.	Picture	Description	Unit price
B01620-00		<p>Power Supply Unit 24 V / 6,7 A as external PSU, according to EN54-4, CPD and VdS approved</p> <ul style="list-style-type: none"> – 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 <p>Technical specifications :</p> <p>Operating voltage : 195 – 253 V AC Output : 24V DC / 6,7 A Battery charging : max. 2x12V/65 Ah Operating temperature : -5 °C to +40 °C Weight : 3,7 kg Dimensions (W x H x D) : see housing</p> <p>VdS No : G 206040 EC Certificate 0786-CPD-20945</p>	628,00
B01622-00		<p>Power Supply Unit 24 V / 4,2 A as external PSU, according to EN54-4, CPD and VdS approved</p> <ul style="list-style-type: none"> – 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 <p>Technical specifications :</p> <p>Operating voltage : 195 – 253 V AC Output : 24V DC / 4,2 A Battery charging : max. 2x12V/40 Ah Operating temperature : -5 °C to +40 °C Weight : 2,8 kg Dimensions (W x H x D) : see housing</p> <p>VdS No : G 206040 EC Certificate 0786-CPD-20945</p>	554,00

Order No.	Picture	Description	Unit price
B01620-01		<p>Addressable, intelligent PSU 24 V / 6,7 A as external PSU, according to EN54-4, CPD and VdS approved</p> <ul style="list-style-type: none"> – 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 <p>Technical specifications :</p> <p>Operating voltage : 195 – 253 V AC Output : 24V DC / 6,7 A Battery charging : max. 2x12V/65 Ah Operating temperature : -5 °C to +40 °C Weight : 3,8 kg Dimensions (W x H x D) : see housing</p> <p>VdS No : G 206040 EC Certificate 0786-CPD-20945</p>	730,00
B01622-01		<p>Addressable, intelligent PSU 24 V / 4,2 A as external PSU, according to EN54-4, CPD and VdS approved</p> <ul style="list-style-type: none"> – 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 <p>Technical specifications :</p> <p>Operating voltage : 195 – 253 V AC Output : 24V DC / 4,2 A Battery charging : max. 2x12V/40 Ah Operating temperature : -5 °C to +40 °C Weight : 2,9 kg Dimensions (W x H x D) : see housing</p> <p>VdS No : G 206040 EC Certificate 0786-CPD-20945</p>	656,00

Order No.	Picture	Description	Unit price
B01624-00		<p>Power Supply Unit 24 V / 1,5 A as external PSU, according to EN54-4, CPD and VdS approved</p> <ul style="list-style-type: none"> – PSU according to EN54, part 4, tested and approved by VdS – Ideal e.g. for Aspirating Smoke Detectors – Surface mounted housing – One fused power output 24V – Temperature compensated battery charger – One relay contact to indicate faults <p>Technical specifications :</p> <p>Operating voltage : 230 VAC, 50/60Hz Output : 24V DC / 1,5 A (incl. charging) Batteries : max. 2x12V / 19Ah Operating temperature : -5 °C to +40 °C Enclosure : steel housing Weight : 5 kg Dimensions (W x H x D) : 404 x 404 x 110 mm</p> <p>VdS No : G 209196 EC Certificate 0786-CPD-20891</p>	378,00
B01630-00		<p>DC/DC converter 24VDC / 12VDC</p> <ul style="list-style-type: none"> – PCB to supply 12 V loads – Mounting either directly on back board of FCP or on DIN rail – Universal use – Short circuit protection <p>Technical specifications :</p> <p>Input voltage : 24V DC (18-36V) Output voltage : 12 V / 500 mA Dimensions (W x H x D) : 103 x 72 x 25 mm</p>	98,00
B01650-00		<p>Metal housing IP 65 for universal Power Supplies</p> <ul style="list-style-type: none"> – 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 – Space for batteries 2 x 7,2 Ah / 12V – With lockable door – incl. back plate for assembly – Dimensions 300 x 300 x 120 mm (W x H x D) 	198,00

Order No.	Picture	Description	Unit price
B01660-00		<p>PCB with 8 fused outputs, as option for above Power Supplies</p> <ul style="list-style-type: none"> - 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 	120,00


Chapter 2


ESP – Addressable Devices


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Pay attention : on all ESP products in this chapter 3 years warranty !

Analogue addressable detectors with ESP protocol



Order No.	Picture	Description	Unit price
B02002-00		<p>Optical smoke detector ALN-EN, white RAL 9003, with new, improved high-performance smoke chamber</p> <ul style="list-style-type: none"> - Optical Smoke Detector using the principle of scattering light detection - Programmable detection algorithm (operation mode TM) - 3 automatic detection modes or timed by cause and effect events - 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 <p>Technical specifications :</p> <p>Operating voltage : 17 - 41 V DC Quiescent current : 400 µA Low Power mode : 120 µA Operating temperature : -10 °C to +50 °C Humidity : max. 95 % Colour : white RAL 9003 Dimensions : 100x45 mm (D x H) Weight : 95g (140g incl. base)</p> <p>VdS No. : G 213082 EC Certificate 0832-CPD-2163</p>	57,00

Order No.	Picture	Description	Unit price
B02011-00		<p>Multi sensor ACC-EN(WHT), white RAL 9003, with new, improved high-performance smoke chamber and 2 heat sensors</p> <ul style="list-style-type: none"> - 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 <p>Technical specifications :</p> <p>Operating voltage : 17 - 41 V DC Quiescent current : 400 µA Low Power mode : 120 µA Operating temperature : -10 °C to +50 °C Humidity : max. 95 % Colour : white RAL 9003 Dimensions : 100 x 45 mm Weight : 95g (140g incl. base)</p> <p>VdS No. : G 213080 EC Certificate 0832-CPD-2161</p>	68,00


Order No.	Picture	Description	Unit price
B02021-00		<p>Multi heat sensor ATJ-EN, white RAL 9003, fixed temperature and rate of rise detector, programmable according to EN54, part 5, classifications</p> <ul style="list-style-type: none"> - 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 <p>Technical specifications :</p> <p>Operating voltage : 17 - 41 V DC Quiescent current : 400 µA Low Power mode : 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 incl. base)</p> <p>VdS No. : G 213081 EC Certificate 0832-CPD-2162</p>	59,00

B02100-00		<p>Hand-held Programmer for ESP detectors</p> <ul style="list-style-type: none"> - 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 	190,00
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Mounting bases

Order No.	Picture	Description	Unit price
B02200-00		<p>Standard mounting base for ESP detectors</p> <ul style="list-style-type: none"> – Easy and quick assembly of the detector – low profile design – without electronics and so very robust and reliable <p>Technical specifications :</p> <p>Colour : white RAL 9003 Humidity : max. 95 % Dimensions : 100 x 8 mm (D x H)</p>	5,00
B02220-00		<p>Mounting Base for ESP detectors with in-built dual isolators</p> <ul style="list-style-type: none"> – 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 <p>Technical specifications :</p> <p>Quiescent current : 60µA Colour : white RAL 9003 Humidity : max. 95 % Dimensions : 100 x 13 mm (D x H)</p> <p>VdS No. : G213019 EC Certificate 0832-CPD-2025</p>	13,00

Duct Probe Housing


Order No.	Picture	Description	Unit price
B03400-00		<p>Duct Probe Housing for air sampling, according to the Venturi principle</p> <ul style="list-style-type: none"> - 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 B02002-00 and base to be ordered separately <p>Technical specifications :</p> <p>Colour: red (transparent cover) Dimensions (LxWxH) : 280 x 150 x 100 mm Weight : 640 g</p>	210,00
B03405-00		<p>Sampling pipe 1.500 mm for Duct Probe housing</p> <ul style="list-style-type: none"> - optional for order no. B03400-00 	98,00
B03410-00		<p>Mounting brackets used to fix the Duct Probe Housing at round ducts</p> <ul style="list-style-type: none"> - optional for order no. B03400-00 	72,50
B03415-00		<p>Replacement Filter for Duct Probe housing</p> <ul style="list-style-type: none"> - as spare part for order no. B03400-00 	26,50


Manual Call Points

Order No.	Picture	Description	Unit price
B02322-00	 <p>Photo : incl. back box B02325-00</p>	<p>Manual Call Point HCP-E(SCI) <u>incl. dual isolator</u>, red, ESP protocol, flush mounting</p> <ul style="list-style-type: none"> - Approved according to EN54, part 11 - Incl. <u>dual isolator</u> and <u>bi-coloured status LED</u> (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 - Addressable by DIL switch <p>Technical specifications :</p> <p>Operating voltage : 17 – 41 V DC Quiescent current : 350 µA Low Power mode : 180 µA Operating temperature : -10 °C to +50 °C Humidity : max. 95 % IP rate : IP 24 Colour : red Dimensions (WxHxD) : 89 x 93 x 27,5 mm Weight : 110 g EC Certificate 0832-CPD-1238</p>	65,00
B02325-00		<p>Back Box for addressable Manual Call Point HCP-E(SCI) B02322-00, for surface mounting</p>	6,50
B02340-00		<p>Manual Call Point HCP-W(SCI), red, <u>incl. dual isolator</u>, ESP protocol, <u>IP rate 67</u>, surface mounting</p> <ul style="list-style-type: none"> - Approved according to EN54, part 11 - Incl. <u>dual isolator</u> and <u>bi-coloured status LED</u> (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 - Addressable by DIL switch <p>Technical specifications :</p> <p>Operating voltage : 17 – 41 V DC Quiescent current : 220 µA Low Power mode : 90 µA Operating temperature : -10 °C to +50 °C Humidity : max. 95 % IP rate : IP 67 Colour : red Dimensions (WxHxD) : 98 x 94 x 78 mm Weight : 234 g EC Certificate 0832-CPD-0602</p>	260,00
B02345-00		<p>Hinged cover for MCP B02322-00 and B02340-00 to help prevent unintentional activations</p>	8,60

Addressable ESP Input modules




Order No.	Picture	Description	Unit price
B02400-01		<p>Dual Input Module CHQ-DIM(SCI) "Smart Fix" providing 2 inputs, incl. dual isolator, loop powered / incl. IP54 surface mounted housing</p> <ul style="list-style-type: none"> – 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 <p>Technical specifications :</p> <p>Operating voltage : 17 - 41 V DC Quiescent current : 330 µA Low Power mode : 170 µA Alarm current : 4,3mA (both inputs) Operating temperature : -10 °C to +50 °C Humidity : max. 95 % Colour : white / transparent Dimensions (W x L x H): 157 x 127 x 35 mm Weight : 327 g</p> <p>VdS No. : G 209189 EC Certificate 0832-CPD-1098</p>	98,00
B02401-00		<p>Dual Input Module CHQ-DIM/DIN(SCI), providing 2 inputs, incl. dual isolator, loop powered / DIN rail mounting</p> <ul style="list-style-type: none"> – As B02400-01 but DIN rail housing <p>Technical specifications :</p> <p>Colour : green Dimensions (W x L x H): 119 x 24 x 108 mm Weight : 113 g</p> <p>VdS No : G 206065 EC Certificate 0832-CPD-1099</p>	118,00

Order No.	Picture	Description	Unit price
B02420-01		<p>Input Module CHQ-SZM(SCI) "Smart Fix" to interface 1 zone of non-addressable detectors, incl. dual isolators, loop powered / incl. IP54 surface mounted housing</p> <ul style="list-style-type: none"> – Input to indicate alarm or fault messages – Fully Monitored for short and open circuit Faults – <u>E.g. to connect up to 6 conventional detectors or special detectors like UV flame or beam detector</u> – 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 <p>Technical specifications :</p> <p>Operating voltage : 17 - 41 V DC Quiescent current : 300 µA Low Power mode : 200 µA Alarm current : depending on load Operating temperature : -10 °C to +50 °C Humidity : max. 95 % Colour : white / transparent Dimensions (W x L x H): 154 x 127 x 35 mm Weight : 328 g</p> <p>VdS No. : G 209187 EC Certificate 0832-CPD-1094</p>	104,00

B02421-00		<p>Input Module CHQ-SZM/DIN(SCI) to interface 1 zone of non-addressable detectors, incl. dual isolators, loop powered / DIN rail mounting</p> <ul style="list-style-type: none"> – As B02420-01 but DIN rail housing <p>Technical specifications :</p> <p>Colour : green Dimensions (W x L x H): 119 x 24 x 108 mm Weight : 114 g</p> <p>VdS No : G 206063 EC Certificate 0832-CPD-1095</p>	124,00
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Order No.	Picture	Description	Unit price
B02424-00		<p>Dual Zone Monitor CHQ-DZM "Smart Fix" to interface 2 zones of conventional detectors, incl. dual isolators, / incl. IP54 surface mounted housing</p> <ul style="list-style-type: none"> – 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 <p>Technical specifications :</p> <p>Operating voltage : 17 - 41 V DC Quiescent current : 330µA int. + 2mA ext. Alarm current : max 70 mA Low Power mode : 110 µA Alarm Output each : 8,5 mA / 24 VDC Operating temperature : -10 °C to +50 °C Humidity : max. 95 % EOL element : TE-RH-E (included) Dimensions (L x W x H): 157 x 127 x 35 mm Weight : 350 g</p> <p>VdS No. : G 214013 EC Certificate 0832-CPD-1657</p>	208,00
B02427-00		<p>Dual Zone Monitor CHQ-DZM (I.S.) "Smart Fix" to interface 2 zones of conventional <u>intrinsically safe</u> detectors, including dual isolators / incl. IP54 surface mounted housing</p> <ul style="list-style-type: none"> – 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 <p>Technical specifications :</p> <p>As above but Weight : 382 g</p> <p>VdS No.: G 214014 EC Certificate 0832-CPD-1659</p>	268,00

Addressable ESP Input / Output modules

Order No.	Picture	Description	Unit price
B02410-01		<p>“High Power” I/O-module CHQ-MRC2 (SCI) incl. relay output 230V, monitored input and dual isolator, “loop powered”</p> <ul style="list-style-type: none"> – Programmable Mains AC output relay – Additional Input for alarm and fault – fully monitored for open and short circuit – Monitoring can be switched off – With ESP protocol and so immune against EMC interferences – Low power mode in case of Mains AC failure <p>Technical specifications : Operating voltage : 17 - 41 V DC Quiescent current : 300 µA Low Power mode : 100 µA Relay output : max. 5 A / 230V AC Operating temperature : -10 °C to +50 °C Humidity : max. 95 % Colour : white Dimensions (W x L x H): 149 x 90 x 25 mm Weight : 133 g</p> <p>VdS No. : applied for CE certificate : 0832–CPR-F0058/13</p>	<p>122,00</p> <p>New !!</p>
B02472-00		<p>Additional housing CHQ-Box SUB only for „Smart-Fix“-Module B02410-01</p> <ul style="list-style-type: none"> – As enveloping housing with IP54 – Prepared cable entry sideways or on the rear side <p>Technical specifications: Dimensions (WxHxD): 157x127x35 mm</p>	<p>19,90</p> <p>New !!</p>
B02411-00		<p>„High-Power“ I/O-Module CHQ-MRC2/DIN (SCI) incl. relay output 230V, monitored input and dual isolator, “loop powered” / mounted on DIN rack</p> <ul style="list-style-type: none"> – Same as B02410-01 but DIN rail-housing – Weight : 114 g <p>CE certificate : 0832–CPR-F0059/13</p>	<p>136,00</p> <p>New !!</p>

Order No.	Picture	Description	Unit price
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B02430-00



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

190,00

- 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

New !!

Technical specifications:

Operating voltage : 20 - 28 VDC
 Quiescent current : 50mA due barrier
 Alarm current : 24V DC / max. 40mA
 End of line resistor : dep. on application
 Dimensions (L x W x H): 157 x 127 x 35 mm

CE-Zertifikat : 0832-CPR-F0060

B02431-00



Dual Monitor Module CHQ-ISM/DIN for I.S. (Intrinsically Safe) signaling devices, DIN rail mounting

222,00


- 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 DIN rail housing


New !!


Technical specifications:


Operating voltage : 20 - 28 VDC
 Quiescent current : 50mA due barrier
 Alarm current : 24V DC / max. 40mA
 End of line resistor : dep. on application
 Dimensions (L x W x H): 119 x 24 x 108 mm


CE-Zertifikat : 0832-CPR-F0061

Order No.	Picture	Description	Unit price
B02444-00		<p>4 x In / 4 x Out CHQ-PCM “Smart Fix” Module, incl. dual isolator, loop powered / incl. IP54 surface mounted housing</p> <ul style="list-style-type: none"> - 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 <p>Technical specifications :</p> <p>Operating voltage : 17 - 41 V DC Quiescent current : 300 µA Relay outputs : 1 A / 30VDC each Operating temperature : -10 °C to +50 °C Humidity : max. 95 % Colour : white / transparent Dimensions (W x L x H): 157 x 127 x 35 mm Weight : 332 g</p> <p>VdS-No : G 213087 CE certificate : 0832-CPD-1679</p>	198,00




Order No.	Picture	Description	Unit price
B02450-01		<p>Dual Output module CHQ-DRC(SCI) “Smart Fix”, two 1A relays, 1 monitored input, incl. dual isolator, loop-powered / incl. IP54 surface mounted housing</p> <ul style="list-style-type: none"> – Both outputs individually programmable by the panel software – Additional one 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 <p>Technical specifications :</p> <p>Operating voltage : 17 - 41 V DC Quiescent current : 300 µA Low Power mode : 170 µA Relay outputs : each 30 V DC / 1 A Operating temperature: -10 °C to +50 °C Humidity : max. 95 % Colour : white / transparent End of line resistor : 10 KOhm Dimensions (L x W x H): 157 x 127 x 35 mm Weight : 343 g</p> <p>VdS No : G 209188 EC Certificate 0832–CPD-1105</p>	114,00

B02451-00		<p>Dual Output module CHQ-DRC/DIN(SCI) (two 1A relays), 1 monitored input, incl. dual isolator, loop-powered / DIN rail mounting</p> <ul style="list-style-type: none"> – As B02450-01 but DIN rail housing <p>Technical specifications :</p> <p>Colour : green Dimensions (W x L x H): 119 x 24 x 108 mm Weight : 124 g</p>	144,00
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Order No.	Picture	Description	Unit price
B02460-01		<p>Dual Sounder Output module CHQ-DSC(SCI) "Smart Fix", 2 outputs, 1 monitored input, incl. dual isolators / incl. IP54 surface mounted housing</p> <ul style="list-style-type: none"> – Both outputs individually programmable by the panel software – Ideal to control and monitor <u>sounder/beacons</u> – Additional input monitored for short and open circuit – With ESP protocol and so immune against EMC interferences – Needs separate power supply 24V DC / 2 A – Low power mode in case of Mains AC fault – Addressing by DIL switch – Two cut-out sections along the top and the bottom edges of the module to accommodate the cables <p>Technical specifications :</p> <p>Operating voltage : 17 - 41 V DC Quiescent current : 340 µA Low Power mode : 250 µA Operating temperature: -10 °C to +50 °C Humidity : max. 95 % Colour : white / transparent Dimensions (L x W x H): 157 x 127 x 35 mm Weight : 360 g</p> <p>Outputs :</p> <p>Operating voltage : 19,2 - 30 V DC Load : each max. <u>1A/24VDC</u> End of line resistors : 1 kOhm</p> <p>Input :</p> <p>End of line resistor : 10 kOhm</p> <p>VdS No : G 209186 EC Certificate 0832-CPD-1102</p>	176,00

B02461-00		<p>Dual Sounder Output module CHQ-DSC/DIN(SCI), 2 outputs, 1 monitored input, incl. dual isolator / DIN rail mounting</p> <ul style="list-style-type: none"> – As B02460-01 but DIN rail housing <p>Technical specifications :</p> <p>Colour : green Dimensions (L x W x H): 119 x 24 x 108 mm Weight : 145 g</p> <p>VdS-Nr. : G 206062 EC Certificate 0832-CPD-1103</p>	208,00
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Accessories for the ESP modules


Order No.	Picture	Description	Unit price
B02432-00		<p>EOL devices TE-RH-E as spare parts</p> <ul style="list-style-type: none"> – for modules CHQ-SZM ("Smart Fix"), CHZ-SZM/DIN(SCI) and CHQ-Z – one bag = 10 pcs. 	55,00
B02470-00		<p>CHQ-BACKBOX - weatherproof back box designed specifically for use with the CHQ "Smart-Fix" range of modules</p> <ul style="list-style-type: none"> – 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) 	24,00
B02471-00		<p>White cover for "Smart Fix" modules</p> <ul style="list-style-type: none"> – To replace the transparent cover – Colour : RAL 9003 	11,50
B07550-00	 (Photo shows housing incl. loop module)	<p>Housing for loop modules and galvanic isolators, IP rate 66, incl. DIN rail</p> <ul style="list-style-type: none"> – suitable for modules B02401-00, B02421-00, B02431-00, B02451-00 and B02461-00 – 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 <p>Technical specifications :</p> <p>IP rate : IP 66 Dimensions (L x W x H) : 180 x 180 x 165 mm Weight : 600 g</p>	96,00



Chapter 3

Conventional Detectors




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Order No.	Picture	Description	Unit price
B03020-00	 <p>Photo : incl. standard mounting base</p>	<p>Fixed temperature heat detector 90°, DFJ-CE3(WHT), according to class C and CS of new standard EN-54, part 5</p> <ul style="list-style-type: none"> - 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 <p>Technical specifications :</p> <p>Operating voltage : 9,5 - 30 V DC Quiescent current : 35 µA Alarm current : max. 40 mA Remote indicator drive : max.20mA (9,5-14 type) Operating temperature: -10 °C to +50 °C Humidity : max. 95 % Housing : Polycarbonate Colour: white RAL 9003 Dimensions: 100 x 47 mm (D x H) Incl. base Weight : 76 g (126 g incl. base)</p> <p>VdS No. G 204047 EC certificate 0832-CPD-0119</p>	27,00



B03025-00	 <p>Photo : incl. standard mounting base</p>	<p>Rate of rise heat detector 60°, DCD-AE3(WHT) according to class A1 and A1R of new standard EN-54, part 5</p> <ul style="list-style-type: none"> - The DFJ-AE3 is using a thermistor and linearization circuit to provide an accurate linear heat response - The head contains rate of rise element and additional a fixed temperature element - Twin fire alarm LEDs give 360° view in case of alarm condition - Alarm output for remote indicator <p>Technical specifications :</p> <p>Operating voltage : 9,5 - 30 V DC Quiescent current : 35 µA Alarm current : max.40 mA Remote indicator drive : max.20mA (9,5-14 type) Operating temperature : -10 °C to +50 °C Humidity : max. 95 % Housing : Polycarbonate Colour : white RAL 9003 Dimensions : 100 x 47 mm (D x H) incl. base Weight : 76 g (126 g incl. base)</p> <p>VdS No. G 204044 EC certificate 0832-CPD-0116</p>	27,00
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Order No.	Picture	Description	Unit price
B03030-00	 <p>Photo : incl. standard mounting base</p>	<p>Rate of rise heat detector 90°, DCD-CE3(WHT) according to class C and CR of new standard EN-54, part 5</p> <ul style="list-style-type: none"> - The DFJ-AE3 is using a thermistor and linearization circuit to provide an accurate linear heat response - The head contains rate of rise element and additionally a fixed temperature element - Twin fire alarm LEDs give 360° view in case of alarm condition - Alarm output for remote indicator <p>Technical specifications :</p> <p>Operating voltage : 9,5 - 30 V DC Quiescent current : 35 µA Alarm current : max. 40 mA Remote indicator drive : max. 20 mA(9,5-14type) Operating temperature : -10 °C to +50 °C Humidity : max. 95 % Housing : Polycarbonate Colour : white RAL 9003 Dimensions : 100 x 47 mm (D x H) Incl. base Weight : 76 g (126 g incl. base)</p> <p>VdS No. G 204045 EC certificate 0832-CPD-0117</p>	27,00
B03050-00		<p>Fixed temperature heat detector 60°, DFG-60BLKJ, waterproof, VdS approved</p> <ul style="list-style-type: none"> - 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 <p>Technical specifications:</p> <p>Operating voltage : 15 - 30 V DC Alarm current : max. 50 mA Operating temperature : -30 °C to +60 °C IP rate : IP 67 Colour : ivory white Dimensions : 98 x 45 mm (D x H) Weight : 80 g</p> <p>VdS No. G 204048 EC certificate 0832-CPD-0120</p>	74,00

Mounting bases for conventional detectors

Order No.	Picture	Description	Unit price
B03100-00		Standard mounting base for CDX conventional detectors <ul style="list-style-type: none"> – 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 : 100 x 8 mm (D x H) VdS No. : as detector	5,00
B03107-00		Relay base for CDX conventional detectors (non-latching) <ul style="list-style-type: none"> – 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 to 30V DC Relay contact : max. 1A / 30V DC Colour : white RAL 9003 Dimensions : 100 x 13 mm (D x H)	34,50
B03109-00		Relay base for CDX conventional detectors (latching) <ul style="list-style-type: none"> – 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 : Operating voltage : 9,5 to 30V DC Relay contact : max. 1A / 30V DC Colour : white RAL 9003 Dimensions : 100 x 13 mm (D x H)	25,80




Manual Call Points according to EN54-11






Order No.	Picture	Description	Unit price
B03360-00	 <p>Photo : incl. back box B02325-00</p>	<p>Manual Call Point, red ABS, conventional detector, flush mounting</p> <ul style="list-style-type: none"> – according to standard EN-54, part 11 (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 <p>Technical specifications:</p> <p>Operating voltage : 12 - 28 V DC Quiescent current : 0 µA Alarm current : 50 mA (24V) Alarm resistor : 470 Ohm Operating temperature : - 25°C to +55 °C IP rate : IP 24 Dimensions (WxHxD) : 89 x 93 x 27,5 mm Colour : red, RAL 3000 Weight : 110 g</p>	23,00
B02325-00		<p>Back Box for Manual Call Point B03360-00, for surface mounting</p> <p>Weight : 51 g</p>	6,50
B03362-00		<p>Manual Call Point, red ABS, IP 67, conventional detector, surface mounting</p> <ul style="list-style-type: none"> – according to standard EN-54, part 11 (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 <p>Technical specifications:</p> <p>Operating voltage : 12 - 28 V DC Quiescent current : 0 µA Alarm current : 40 mA (19V) Alarm resistor : 470 Ohm Operating temperature : - 10°C to +50 °C IP rate : IP 67 Dimensions (WxHxD) : 98 x 94 x 78 mm Colour : red, RAL 3000 Weight : 234 g</p>	148,00




Chapter 4





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Testing Equipment for point detectors

Order No.	Description	Description	Unit price
B04010-00		Professional Kit "Solo811" for smoke detector testing up to 6 m reach heights <ul style="list-style-type: none"> - incl. smoke detector tester Solo 330 - incl. telescopic pole 1,26 to 4,5 m - <u>incl. universal Removal Tool Solo 200</u> 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 	1278,00
B04015-00	 <p>photo : similar to the original product</p>	Testifire Kit 6001-101 (battery powered), up to <u>6 m reach height</u> <ul style="list-style-type: none"> - Smoke and Heat stimuli are created in a single test unit - without using pressurised cans of gas or other hazardous goods - incl. charger and 2 batteries - incl. telescopic pole 1,26 to 4,5 m - <u>incl. universal Removal Tool Solo 200</u> for nearly all detector types of the market - incl. carrying and protecting bag Solo 610 - material of telescopic pole : isolating and robust red fibreglass 	2998,00
B04017-00		Testifire Kit 9001-101 (battery powered), up to <u>9 m reach height</u> <ul style="list-style-type: none"> - Smoke and Heat stimuli are created in a single test unit - without using pressurised cans of gas or other hazardous goods - incl. charger and 2 batteries - incl. telescopic pole 1,26 to 4,5 m - incl. 3 x telescopic pole 1,13m - incl. universal Removal Tool Solo 200 for nearly all detector types of the market - incl. carrying and protecting bag Solo 610 - material of telescopic pole : isolating and robust red fibreglass 	3398,00
B04025-00		Super Kit "Solo 822" for smoke and heat detector testing (battery powered) up to <u>6 m reach height</u> <ul style="list-style-type: none"> - incl. smoke detector tester Solo 330 - incl. heat detector tester Solo 461 (battery powered) - incl. charger and 2 batteries - incl. telescopic pole 1,26 to 4,5 m - <u>incl. universal Removal Tool Solo 200</u> for nearly all detector types of the market - incl. carrying and protecting bag Solo 610 - material of telescopic pole : isolating and robust red fibreglass 	2240,00





Order No.	Description	Description	Unit price
B04027-00		Super Kit "Solo 823" for smoke and heat detector testing (battery powered) up to 9.3 m reach height <ul style="list-style-type: none"> – incl. smoke detector tester Solo 330 – incl. heat detector tester Solo 461 (battery powered) – incl. charger and 2 batteries – incl. telescopic pole 1,26 to 4,5 m – incl. 3 pcs. extension pole B4045-00 – 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 	2620,00
B04040-00		Telescopic pole "Solo100", 1,26 to 4,5 m <ul style="list-style-type: none"> – Suitable as core element for all smoke and heat detector tester (interchangeable) – Reach height up to 6 m – Consisting of 4 telescopic elements – Material : isolating and robust red fibreglass – "Totalock" system ensures fast und safe locking of the 4 elements and never twist – Subjected to rigorous conductivity testing to ensure the integrity of the insulating materials 	638,00
B04043-00		Telescopic pole "Solo108", 1,27 to 2,5 m <ul style="list-style-type: none"> – Suitable as core element for all smoke and heat detector tester (interchangeable) – Reach height up to 4,20 m – Material : isolating and robust red fibreglass – "Totalock" system ensures fast und safe locking of the 4 elements and never twist – Subjected to rigorous conductivity testing to ensure the integrity of the insulating materials 	290,00
B04045-00		Extension pole "Solo101", 1,13 m <ul style="list-style-type: none"> – Suitable as core element for all smoke and heat detector tester (interchangeable) – Reach height up to 2,8 m – Possible to use as extension pole for "Solo100" (max. 3 pcs.) – Material : isolating and robust red fibreglass 	140,00
B04050-00		Universal Removal Tool "Solo 200" <ul style="list-style-type: none"> – Universal Removal Tool for nearly all detector types of the market – To be positioned on the top of the poles – Colour coded grips twist into place to create different size combinations – Universal joint that ensuring that the tool remains parallel with the ceiling while in use, even on detectors that cannot be accessed directly 	342,00


Order No.	Description	Description	Unit price
B04055-00		<p>Testifire 1001 Multi-Stimulus Smoke/Heat head unit incl. 2 batteries + charger</p> <ul style="list-style-type: none"> - This test unit enables faster and more efficient testing of single or multi-sensor detectors - 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 	1870,00
B04056-00		<p>Testifire 1000-001 Multi-Stimulus Smoke/Heat head unit</p> <ul style="list-style-type: none"> - This test unit enables faster and more efficient testing of single or multi-sensor detectors - 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 	1620,00
B04058-00		<p>Testifire 2001 Multi-Stimulus Smoke/Heat/CO head unit incl. batteries + charger</p> <ul style="list-style-type: none"> - Technologically improved, versatile portable device for functional testing of fire detectors - 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 <p>Includes combined smoke / heat / CO-probe, a smoke capsule, a CO test capsule as well as 2 rechargeable batteries, incl. battery charger</p>	2220,00

Order No.	Description	Description	Unit price
B04060-00		Smoke Detector Tester "Solo 330" <ul style="list-style-type: none"> – 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 	290,00
B04080-00		Heat Detector Tester Kit "Solo 461" (battery powered) incl. batteries and charger <ul style="list-style-type: none"> – For functional testing of nearly all heat detector types of the market – Incl. new tester "Solo460" with integrated sensor to activate the testing automatically – Incl. 2 batteries B04084-00 and charger B04086-00 – To be positioned on the top of the poles – Max. testing temperature 90°C 	980,00
B04082-00		Heat Detector test head "Solo 460" (battery powered) <ul style="list-style-type: none"> – For functional testing of nearly all heat detector types of the market – Integrated sensor to activate the testing automatically – To be positioned on the top of the poles – Max. testing temperature 90°C 	720,00
B04084-00		Replacement battery for Solo 460 and Testifire 1000	160,00
B04086-00		Fast Recovery Charger for battery B04084-00	170,00
B04090-00		Protective, carrying bag "Solo610", robust black nylon <ul style="list-style-type: none"> – Two parts, one for the tester, removal tool and for the aerosols and one for the telescopic poles 	210,00

Order No.	Description	Description	Unit price
B04093-00		„TRUETEST“ Smoke Detector Sensitivity Tester <ul style="list-style-type: none"> - Fully portable device, enabling fire alarm technicians to measure the real sensitivity of smoke detectors quickly and easily in one test - Fulfils the requirements of new DIN standard 14675/A1, section 11, so that the intervals to replace detectors can be prolonged - High quality testing device with precise LCD indication of the detector's sensitivity - Compatible to the Solo range telescopic poles - Helps to avoid false alarms because contamination also of conventional detectors can be measured - Only "true" method to measure the real sensitivity of smoke detectors 	7200,00
B04062-00		Aerosol for smoke detector testing <ul style="list-style-type: none"> - Can with 250 ml - Non-flammable formulation - Fast activation and clearing times - For head unit "Solo 330" 	26,50
B04063-00		Smoke Capsule for Testifire 1001, spare part	99,00
B04064-00		Aerosol for CO detector testing <ul style="list-style-type: none"> - Can with 250 ml - Non-flammable formulation - Fast activation and clearing times - For head unit "Solo 330" 	31,50
B04066-00		Aerosol for tester "TRUETEST" <ul style="list-style-type: none"> - Can with 400 ml - Non-flammable formulation - Fast activation and clearing times 	46,00
B04067-00		Replacement CO-capsule for Testifire testing device	99,00


Testing Equipment for Aspirating Smoke Detectors




Order No.	Description	Description	Unit price
B04130-00		Scorpion head unit 2001, remote smoke detector test system for aspirating smoke detectors (ASD) <ul style="list-style-type: none"> – Unique test system for ASD – To install at end of ASD pipe – Uses harmless and consistent aerosol for testing which will be applied controlled – More than 240 testing procedures per each device (life-time testing w/o the need to replace the aerosol) – Maintenance-free and thus cost-effective 	448,00
B04133-00		Scorpion heat unit 1001, for automatic remote testing of point smoke detectors <ul style="list-style-type: none"> – Unique automatic test system for point smoke detectors – Ideal of testing smoke detectors if access for testing or maintenance purposes is difficult or costly – For direct mounting at detector head – Discharge harmless, consistent aerosol, which will be fed controlled – Maintenance-free and cost-effective 	448,00
B04140-00		Scorpion-control unit to control up to 8 Scorpion head-units (2001 and 1001) <ul style="list-style-type: none"> – To release all connected head-units – Max. of 8 head-units per each control unit – Max. of 100m distance between Scorpion control- and head-unit – Accumulator B04143-00 and wire B04145-00 are required 	840,00
B04143-00	 Photo : Battery B04143-00 incl. cable B04145-00	Accumulator for Scorpion-control unit <ul style="list-style-type: none"> – Incl. cable to connect to control-unit B04140-00 	220,00

Order No.	Description	Description	Unit price
B04145-00		Battery cable for Scorpion-control unit – B04084-00 battery can then be used as an alternative power source	84,00
B05112-00		Smoke Cartridges AX-60, white – Generates white smoke for testing of aspirating smoke systems – 5 cartridges in one box – smoke volume per cartridge : 55m ³ – Burning time: 180-240 sec.	59,00
B05113-00		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.	63,00
B05113-01		Smoke Pen Refill – Spare part for Smoke Pen B05113-00 – Content : 6 refills	51,90





Remote Indicators

Order No.	Description	Description	Unit price
B04101-00	 <p>(Photo as an example with standard ESP mounting base)</p>	<p>Addressable remote indicator, VdS approved according to CEA084 standard, round attractive looking housing</p> <ul style="list-style-type: none"> – 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) <p>Technical specifications :</p> <p>Operating voltage : 17 – 41V DC Quiescent current : 280 µA Alarm current : 4 mA Operating temperature : - 10°C - +50°C Humidity : max. 95% (40°C) IP rate : IP 43 Colour : White RAL 9003 Dimensions : 100 x 46 mm (D x H)</p> <p>VdS No. : G 206053</p>	52,40



B04105-00		<p>Conventional remote indicator "Prism", attractive looking white housing with red lens</p> <ul style="list-style-type: none"> – Red lens cover, shape of a prism – 2 integrated, bright LEDs – Low current – Can be connected to <u>up to 3 detectors</u> – 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 B07153-00 <p>Technical specifications :</p> <p>Operating voltage : 12 – 35V DC Alarm current : 5 mA Dimensions (WxLxH) : 85 x 85 x 35 mm</p>	24,60
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Order No.	Description	Description	Unit price
B04106-00		<p>Conventional remote indicator, attractive looking white housing with red lens, surface mounting</p> <ul style="list-style-type: none"> – Small housing - red lens cover in a white rectangle housing – 4 integrated, bright LEDs – Low current – Can be connected to <u>up to 3 detectors</u> – When using “Solution F1/F2” panels the indicators are individual programmable <p>Technical specifications :</p> <p>Operating voltage : from remote output of detector</p> <p>Alarm current : 5 mA</p> <p>Dimensions (W x L x H) : 68 x 32 x 25 mm</p>	14,00
B04110-00		<p>Conventional remote indicator according DIN standard 14623, VdS approved</p> <ul style="list-style-type: none"> – Square white housing, red lens – Special light element transports the light outside – Low current – Can be connected to <u>up to 3 detectors</u> – When using “Solution F1/F2” panels the indicators are individual programmable <p>Technical specifications :</p> <p>Operating voltage : from remote output of detector</p> <p>Alarm current : 5 mA</p> <p>Dimensions (L x W x H) : 85 x 85 x 40 mm</p> <p>VdS No. : G 294052</p>	36,00
B04115-00		<p>Conventional remote indicator, flush mounting</p> <ul style="list-style-type: none"> – 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 <p>Technical specifications :</p> <p>Operating voltage : 12 – 35V DC</p> <p>Quiescent current : 0 µA</p> <p>Alarm current : 4 mA</p> <p>Dimensions (D x L) : 22 x 60 mm</p>	22,00

Detector Accessories / Mounting Base Accessories

Order No.	Description	Description	Unit price
B04200-00		Mounting console for detectors in cable floors or ceilings <ul style="list-style-type: none"> – Metal version, adjustable in height and gradient – Coated light grey, RAL 7035 – 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 	29,80
B04205-00		Adjustable console for slanting roofs <ul style="list-style-type: none"> – Metal version, adjustable gradient – The detector can always be mounted horizontal – Coated light grey, RAL 7035 – Adjustable gradient 0 - 180°, plate with the detector can be fixed by a screw 	14,80
B04210-00		Distance console <ul style="list-style-type: none"> – 80 mm distance to the roof – Ensures in big heights a minimum distance of 100 mm between detector head and roof – Robust steel, galvanized 	14,80
B04215-00		Ball stopper <ul style="list-style-type: none"> – 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 – Dimensions (DxH) : 118 x 150 mm 	22,80

Order No.	Description	Description	Unit price
B04300-00		Universal wet base, suitable for nearly all detector mounting bases of the market <ul style="list-style-type: none"> - Robust ABS version, white - Waterproof and against dust - Optional cable glands B04301-00 can be fitted from the side 	8,60
B04301-00		Cable glands for wet base B04300-00 <ul style="list-style-type: none"> - Bag with 100 pcs. 	73,60
B04310-00		Recess mounting base adapter <ul style="list-style-type: none"> - 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 	21,80
B04315-00		Base mounting adapter <ul style="list-style-type: none"> - Suitable for conventional CDX and analogue addressable mounting bases - The adapter ensures a distance of 16 mm between detector and ceiling - Cable inlet from the side for surface mounted cables 	6,30

Order No.	Description	Description	Unit price
B04320-00		Mounting clip for detector label <ul style="list-style-type: none"> - To stick on the detector mounting base - Suitable for conventional CDX and analogue addressable mounting bases - Pack of 25 pcs. 	32,00
B04330-00		Detector Heating 2,7W, for mounting base <ul style="list-style-type: none"> - 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 - 27V DC Current consumption : 100 mA Colour : white RAL 9010 Weight : 200 g Dimensions : 145x110x40 mm	21,80

Chapter 5

Special Application Detectors

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Order No.	Picture	Description	Unit price
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B05065-00



STRATOS HSSD2 Laser detector w/o LC module, steel enclosure, 4 pipes, 1 zone

3450,00

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

Technical specifications :

as B05050-00 but minimum display version

VdS-No. G 203024

EC Certificate 0832-CPD-1078

B05060-00




STRATOS HSSD2 Control Unit, steel enclosure


3160,00

- 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
- Dimensions (WxHxD) : 372 x 427 x 95 mm





VdS-No. G 203024

EC Certificate 0832-CPD-1077

Order No.	Picture	Description	Unit price
B05070-00		<p>STRATOS Micra 25, Laser Aspirating Detector, incl. mounting base</p> <ul style="list-style-type: none"> – 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 inter-connection to fire alarm system via relay screw contacts or via separate dedicated APIC™ devices for NSC Fire Alarm Panels <p>Technical specifications :</p> <p>Current consumption : 250 mA (24V DC) Pipe length : max. 50m, 10 holes Housing : light grey/blew, IP 50 Dimensions : 220 x 145 x 90 mm</p> <p>VdS-No. G 207078 EC Certificate 0832-CPD-0981</p>	1750,00



B05080-00		<p>STRATOS Micra 100, Laser Aspirating Detector, incl. mounting base</p> <ul style="list-style-type: none"> – Enhanced version of the Micra25 detector – Two sampling pipes inlets – Allowed pipe length : 2 x 50m <p>Technical specifications :</p> <p>Current consumption : 400 mA (24V DC) Pipe length : max. 50m per pipe (max 100m at all, e.g. 2 x 50m) Holes : max. 20 per pipe Housing : light grey/blew, IP 50 Dimensions : 220 x 300 x 90 mm</p> <p>VdS-No. G 209217 EC Certificate 0832-CPD-0982</p>	2740,00
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Stratos accessories



Order No.	Picture	Description	Unit price
B05100-00		SenseNET Remote Display Unit for 19" card frame mounting <ul style="list-style-type: none"> 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 B05102-00 ! Technical specifications : Current consumption : 40 mA	454,00
B05102-00		19" Sub Frame <ul style="list-style-type: none"> Suitable for mounting up to 8 pcs. SenseNet Remote Display Units B05100-00 	276,00
B05103-00		Housing for intake of a SenseNet remote display, external plaster version	220,00
B05101-00		Hochiki-ESP Interface Card <ul style="list-style-type: none"> 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 to +50°C Humidity : rel. max. 95% Dimensions (WxHxD) : 100 x 75 x 25mm	330,00
B05101-01		Apollo XP95 interface card <ul style="list-style-type: none"> 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 specifications : as B05101-00	330,00

Order No.	Picture	Description	Unit price
B05101-02		Stratos Nano Communication Card <ul style="list-style-type: none"> – Communication Card for Stratos Nano – To evaluate the status of the detector, to see the event log, the histogram and chart recorder 	330,00
B05104-00		Relay Card for Micra25/100 with 5 relays <ul style="list-style-type: none"> – 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 : 230VAC / 1 A	245,00
B05110-01		Dust trap <ul style="list-style-type: none"> – Spare part for Stratos HSSD2 	58,90
B05110-02		Dust trap <ul style="list-style-type: none"> – Spare part for Stratos Nano, Micra25 and Micra 100 	43,50
B05120-00		Stratos Air Heater Box <ul style="list-style-type: none"> – To be used for pipe system below -10°Celsius – Power supply 230V AC 	1480,00

Aspirating Smoke Detectors „FIRETRACER“

Order No.	Picture	Description	Unit price
B05203-00		<p>Aspirating Smoke Detector “ILS 1”, Laser detector, 1 pipe with length max 100m</p> <ul style="list-style-type: none"> – 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 <p>Technical specifications :</p> <p>Operating voltage : 18 - 30 V DC Quiescent current : 300 mA Sensitivity : 0,06% - 6% per m IP rating : IP 65 Operating temperature : -10 – 50°C Humidity : 0 – 95% <u>Pipe installation :</u> PVC, 25 / 1.5 mm, max. 100m max holes : 18 (EN54-20, Class C) Dimensions : 259 x 184 x 166 mm</p> <p>VdS-No. : G 206066 CE certificate : 0786-CPD-20586</p>	1620,00
B05204-00		<p>Aspirating Smoke Detector “ILS 2”, Laser detector, 2 pipes each length max 100m</p> <ul style="list-style-type: none"> – Professional Aspirating Smoke Detector with 2pcs. Laser Detectors 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 (<u>per pipe</u>) – The system provides air flow monitoring of the pipe – Delivery incl. dust trap <p>Technical specifications :</p> <p>Operating voltage : 18 - 30 V DC Quiescent current : 300 mA Sensitivity : 0,06% - 6% per m IP rating : IP 65 Operating temperature : -10 – 50°C Humidity : 0 – 95% <u>Pipe installation :</u> PVC, 25 / 1.5 mm, max. 2 x 100m max holes per pipe : 18 (EN54-20, Class C) Dimensions : 259 x 184 x 166 mm</p> <p>VdS-No. : G 206066 CE certificate : 0786-CPD-20586</p>	2176,00

Order No.	Picture	Description	Unit price
B05210-00		Aspirating Smoke Detector „Pico“, adjustable Laser System, 1 pipe, 1 zone <ul style="list-style-type: none"> – High Professional intelligent Aspirating Smoke Detector for high sensitive smoke detection based on Laser Technology – Adjustable sensitivity from 0,001% to 20 % obscuration / m – 4 smoke alarm thresholds, each level provides an alarm relay – The pipe run can have up to 100 m – The system provides air flow monitoring of the pipe – Incl. dust filter and configuration software Technical specifications : Operating voltage : 18-30 V DC Current consumption : 350 - 1170 mA Sensitivity : 0,001 - 20 % / m IP rating : IP 54 Operating temperature : -10° to 60°C Humidity : 10 - 95 % <u>Pipe installation :</u> e.g. PVC 25/1.5 One pipe, max. 100 m Dimensions : 254 x 180 x 208 mm VdS-No. : G 205058 EC Certificate 0786-CPD-20674	2950,00
B05212-00		Aspirating Smoke Detector „Firetracer 1“ adjustable Laser System, 4 pipes, 1 zone <ul style="list-style-type: none"> – High Professional intelligent Aspirating Smoke Detector for high sensitive smoke detection based on Laser Technology – Adjustable sensitivity from 0,001% to 20 % obscuration / m – The system incorporates functions that provide the ability to set the thresholds delays (1-60 s) of four separate alarms – 4 alarm relays, 1 fault relay – Network by integrated RS-485 interface – On board e-mail messaging – Ethernet option - TCP/IP supports IBM MQ Web sphere protocol – Incl. LC display and on-board programmer – Incl. configuration software Technical specifications : Operating voltage: 18-30 V DC Current consumption : 500 - 1200 mA Sensitivity :: 0,001 to 20 % / m IP rating : IP 30 Operating temperature : -10° to 60°C Humidity : 10 - 95 % <u>Pipe installation :</u> 1 - 4 pipes ¾“ or 25/1.5 max. 100 m per pipe Dimensions : 490 x 355 x 208 mm VdS-No. : G 205058 EC Certificate 0786-CPD-20674	4730,00







Order No.	Picture	Description	Unit price
B05214-00		<p>Aspirating Smoke Detector „Firetracer 4“ adjustable Laser System, 4 pipes, 4 zones</p> <ul style="list-style-type: none"> - High Professional intelligent Aspirating Smoke Detector for high sensitive smoke detection - <u>Four pipes, four channels = four zones (individual monitored and indicated)</u> - Adjustable sensitivity from 0,001% to 20 % obscuration / m - The system incorporates functions that provide the ability to set 4 alarm thresholds and alarm delays (1-60 s) of each pipe - 4 alarm relays (4 thresholds), 1 fault relay - network capability by integrated RS485 interface - Ethernet option - TCP/IP supports IBM MQ Web sphere protocol - Incl. LC display and on-board programmer - Incl. configuration software <p>Technical specifications :</p> <p>Operating voltage: 18-30 V DC Current consumption : 500 - 1200 mA Sensitivity :: 0,001 to 20 % / m IP rating : IP 30 Operating temperature : -10° to 60°C <u>Pipe installation :</u> 1-4 pipes, ¾“ or 25mm max. 100 m per pipe</p> <p>Dimensions : 490 x 355 x 208 mm VdS-No. : G 205058 EC Certificate 0786-CPD-20674</p>	7200,00
B05220-00		<p>Aspirating Smoke Detector „Firetracer 15“ adjustable Laser System, 15 microbores sampling pipes, 15 zones</p> <ul style="list-style-type: none"> - High Professional intelligent Aspirating Smoke Detector for high sensitive smoke detection - <u>15 microbore pipes, 15 channels = 15 zones (individual monitored and indicated)</u> - Ideal for computers or other objects - Adjustable sensitivity from 0,001% to 20 % obscuration / m - The system incorporates functions that provide the ability to set 4 alarm thresholds and alarm delays (1-60 s) of each pipe - 4 alarm relays (4 thresholds), 1 fault relay - network capability by integrated RS485 interface - Ethernet option - TCP/IP supports IBM MQ Web sphere protocol - Incl. LC display and on-board programmer - Incl. configuration software <p>Technical specifications :</p> <p>Operating voltage: 18-30 V DC Current consumption : 600 - 1500 mA Sensitivity : 0,001 - 20 % / m IP rating : IP 30 Operating temperature : -10° to 60°C <u>Pipe installation :</u> 1 - 15 Microbore pipes max. 50 m per pipe</p> <p>Dimensions : 490 x 355 x 208 mm VdS-No. : G 205058 EC Certificate 0786-CPD-20674</p>	11000,00

Order No.	Picture	Description	Unit price
B05221-00		Relay Module (4 channel) for Firetracer 1, 4 and 15 <ul style="list-style-type: none"> – Module providing 4 relays to indicate alarm conditions by the different aspirating pipes – Each relay one dry contact 30V / 1A – Module to plug into slots of Firetracers (up to 4 relay modules in one Firetracer device) 	168,00
B05222-00		Replacement filter element pack (coarse) for Aspirating Smoke Detectors ASD1/2, Pico und Firetracer <ul style="list-style-type: none"> – <u>Coarse 20 ppi</u> – Set of 10 pcs. (black) 	90,00
B05222-01		Replacement filter element pack (fine) for Aspirating Smoke Detectors ASD1/2, Pico und Firetracer <ul style="list-style-type: none"> – <u>Fine 45 ppi</u> – Set of 10 pcs. (black) 	90,00
B05222-02		Replacement filter for Micro bore pipe, d=6mm <ul style="list-style-type: none"> – When using “Firetracer 15” with Micro bore pipe 	36,40
B05227-00		Micro bore pipe for “Firetracer 15” d=6mm, role=30m	94,00
B05240-01		Coupling for Micro-hose, d=6mm, set of 10 pcs	138,00





ABS pipes and fittings

Order No.	Picture	Description	Unit price
B05130-25		Sampling pipe, d=25mm, 3 m pole – Material: ABS, red – 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	11,60
B05131-25		45° Angle, d=25mm – Material: ABS, red	2,80
B05132-25		90° Arc, d=25mm – Material: ABS, red	7,50
B05133-25		Coupling, d=25mm – Material: ABS, red	1,30
B05134-25		T piece, d=25mm – Material: ABS, red	2,70
B05137-25		Coupling with O-Seal, d=25mm – Material: ABS, red – caulking by O-seal	5,40
B05138-25		End cap, d=25mm – Material: ABS, red	1,80

Order No.	Picture	Description	Unit price
B05140-25		3/4" x 25 mm Adaptor – Material: ABS, red – Pipe is 3/4" and socket reduces to 25mm	5,50
B05153-25		Flush Sampling Capillary Kit – Completely assembled sampling kit with – 2m capillary tube red – coupling to fit in pipe system – flush mounted sampling capillary	25,60
B05160-25		Check valve ABS, for cleaning of the pipe system by compressed air, d=25 mm	112,00
B05162-25	 	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	15,80
B05163-00		Sampling Capillary, flush mounted, flat – For discrete mounting of the pipe in ceilings – With flange for screwing	6,50
B05165-25		Pipe coupling d = 25mm, with 10mm capillary connection – Material: ABS, red	14,00
B05168-00		Sampling Capillary with flange for screwing and 90° angle	25,50

Order No.	Picture	Description	Unit price
B05169-00		Flexible Capillary tube <u>red</u>, price per m – Material: nylon, d=10 mm	3,60
B05169-01		Flexible Capillary tube <u>white</u>, price per m – Material: nylon, d=10 mm	3,60
B05170-00		Nylon hose, natural, d = 25/34mm, price per m – Material : PVC – Hose with fabric insert – Diameter inside 25mm, outside 34mm – If a flexible but strong tube is needed	7,80
B05171-00		Hose clamp for nylon hose, d=25 - 40 mm – Robust metal type	1,80
B05174-25		Water Trap for ABS pipe, d=25mm, incl. fittings – Use in areas with high humidity	56,00
B05175-25		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	118,00

Order No.	Picture	Description	Unit price
B05176-00		Filter box for ABS pipe, d=3/4" <ul style="list-style-type: none"> – for applications in areas with high dust content – ABS housing – Colour : red/grey – incl. In-built filter – incl. 2 pcs. Couplings 	99,00
B05114-00		Replacement filter for ABS air filter B05176-xx and PVC air filter B05270-00	19,00
B05178-00		3 Way Ball Valve ABS, d=25mm (for 3/4" pipes please use adapter !) <ul style="list-style-type: none"> – for the connection of compressed air, in order to clean the pipe system – for 3/4" pipe please order adapter B05140-00 separately 	189,00
B05179-00		Silencer for the aspirating smoke detector repatriation <ul style="list-style-type: none"> – Connect at the air repatriation of the ASD – Reduces the operating noise of the ASD up to 10dB Technical specification: Temperature range: -30 - +60 °C Material: ABS Housing color: RAL 7035 Dimensions (WxHxL): 130 x 95 x 193 mm	310,00
B05180-00		Pipe fixing 3/4" <ul style="list-style-type: none"> – Material: ABS, red 	1,20
B05181-00		Pipe fixing with adjustable height <ul style="list-style-type: none"> – Incl. M8 x 60 mm bolt thread 	16,80




Order No.	Picture	Description	Unit price
B05185-00		ABS Cement 250 ml tin	14,90
B05185-01		Cleaner for ABS materials Can of <u>500 ml</u>	26,80
B05185-02		ABS special glue DURAPIPE Can of <u>500 ml</u>	24,80
B05186-00		Warning sticker – For marking of the holes of the pipe system	22,00

PVC pipes and fittings




Order No.	Picture	Description	Unit price
B05225-00		PVC pipe 25/1,5 mm, 5 m pole, grey	8,90
B05230-00		PVC End cap, grey, d=25mm	2,00
B05232-00		PVC angle 90°, grey, d=25mm	1,98
B05235-00		PVC coupling with O-seal, grey, d=25mm	6,80
B05237-00		PVC arc, 90°, grey, d=25mm	6,80
B05240-00		PVC coupling, grey, d=25mm	1,80
B05242-00		PVC angle 45°, grey, d=25mm	2,90



Order No.	Picture	Description	Unit price
B05245-00		PVC T-coupling, grey, d=25mm	2,50
B05249-00		Pipe fixing, PVC, d=25mm	1,00
B05253-00		<p>Capillary suction set consisting of a flat screw suction flange, 2m red capillary hose and spigot-and-socket joint for 25mm pipe system</p> <ul style="list-style-type: none"> - Complete set for easy installation, already done mounted - Allows concealed mounting of the intake pipe 	25,60
B05262-00		Check valve PVC-U, for cleaning of the pipe system, separate hose connection for compressed air, , d=25 mm	104,00
B05262-01		Check valve PVC-U, for cleaning of the pipe system by compressed air, d=25 mm	90,00

Order No.	Picture	Description	Unit price
B05270-00		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. Couplings	99,00
B05114-00		Replacement filter for ABS air filter B05176-xx and PVC air filter B05270-00	19,00
B05278-00		3-Way Ball Valve for PVC pipe, d=25 mm – for connecting compressed air to clean the pipe system	110,00
B05274-00		Flexible capillary tube, d=21,2 – from halogeneous-free pipe material, flexible, suitably the PVC pipe d=25mm	8,40
B05266-00		Quick release connector straight – For flexible capillary tube B05274-00 – M20	6,90
B05266-10		PVC threaded ring M20 for quick release of connector B05266-00	9,40

Order No.	Picture	Description	Unit price
B05280-00		Tangit glue for PVC pipes, 1 kg	48,00
B05285-00		Cleaner for PVC materials, 1 l	32,80
B05288-00		Water & Dust Trap for PVC pipes <ul style="list-style-type: none"> - Water and Dust trap for PVC pipe, d= 25 mm - Input and output diameter = 25 mm - Water and dust trap w/o filter, for air cleaning of dust particles - ideally to prepurifying of water drops, sand-deaf, coal dust, paper types of dust as well as insects, oils, etc. - Dimensions H = 300 mm , D = 135 mm 	250,00

Intrinsically Safe Detectors, conventional

Order No.	Picture	Description	Unit price
B05300-00		<p>CDX Optical Smoke Detector Intrinsically Safe, SLR-E-IS</p> <ul style="list-style-type: none"> – 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 <p>Technical specifications:</p> <p>Operating voltage : 15 - 30 V DC Quiescent current : 50 µA Alarm current : max. 50 mA ATEX classification : II 1G EEx ia IIC T5 Operating temperature: -10 °C to +50 °C Humidity : max. 95 % Colour: ivory white or white Dimensions: 100 x 46 mm (D x H) incl. base Weight : 115g (160g incl. base)</p> <p>BASEEFA approval : BAS01ATEX1281/1 EC Certificate 0832-CPD-0113</p>	120,00
B05310-00		<p>CDX Heat Detector 60° Intrinsically Safe, DCD-1E-IS</p> <ul style="list-style-type: none"> – 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 <p>Technical specifications:</p> <p>Operating voltage : 15 – 30 V DC EN54 class : 60°, A1 Quiescent current : 35 µA Alarm current : max. 40 mA ATEX classification : II 1G Eex ia IIC T5 Operating temperature: -10 °C to +60 °C Humidity : max. 95 % Colour: ivory white or white Dimensions: 100 x 46 mm (D x H) incl. base Weight : 115g (160g incl. base)</p> <p>BASEEFA approval : BAS01ATEX1021 EC Certificate 0832-CPD-0121</p>	120,00
B05330-00		<p>Mounting base YBO-R/4IS for above I.S. detectors</p> <ul style="list-style-type: none"> – Easy and quick assembly of the detector – low profile design – Alarm output terminal – without electronics (very robust and reliable) <p>Technical specifications:</p> <p>Colour: ivory white or white Humidity : max. 95 % Dimensions: 100 x 8 mm (D x H)</p>	9,00


Order No.	Picture	Description	Unit price
B05360-00		Conventional Manual Call Point I.S. <ul style="list-style-type: none"> – 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 Technical specifications: <ul style="list-style-type: none"> Operating voltage : 15 – 30 V DC Alarm current : 20 mA ATEX classification : II 1 G Eex ia II T4 Operating temperature : -10 °C to +55 °C Text : "FIRE / Break glass" Dimensions: 88 x 88 x 52 mm Weight: 173 g 	279,00
B05363-00		Spare Glass for MCP B05360-00	6,90
B05340-00	 <p>(Photo : similar to the original)</p>	Galvanic Isolator for I.S. detectors, 2 channel <ul style="list-style-type: none"> – 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 : <ul style="list-style-type: none"> Operating voltage I.S. : max. 28V DC Quiescent current : < 400µA (Ue= 24V DC) Transmission current : 1 – 40 mA ATEX Classification : Ex II GD Eex ia IIC Operating temperature : -20 – 60 °C IP rating: IP 20 Weight : 100 g BASEEFA approval BAS01ATEX7160	320,00

Housing B07550-00 for Galvanic Isolators see Chapter 7

Flame Detectors (IR and UV)




Order No.	Picture	Description	Unit price
B05401-00		Conventional IR Flame detector DRD-E <ul style="list-style-type: none"> – 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° Cone Max Distance : 25 m Operating temperature : -10°C to +50°C Humidity : max. 95% - (40°C) Colour : Ivory white Dimensions: 100 x 37 mm (incl. base) Weight : 124 g VdS-No. G 210114 CE certificate : 0832-CPD-1347	480,00
B05406-00		Mounting base YBN-R/6 for Flame Detector DRD-E <ul style="list-style-type: none"> – Easy and quick assembly of the detector – low profile design – without electronics, very robust and reliable Technical specifications : Colour : Ivory white Dimensions : 100 x 8 mm (D x H) Weight : 60 g	5,00
B05440-00		Industrial IR³ flame detector IFD-E, (3 channel), with false alarms reduction <ul style="list-style-type: none"> – 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 : 3 – 28 mA Range : 40m at 0° angle Operating temperature : -10°C to +55 °C Humidity : max. 95% - (at 40°C) IP rating : IP 65 Housing : blue, Die-Cast Zinc Alloy Dimensions (WxHxD) : 108 x 142 x 82 mm Weight : 2 kg VdS approval : G 212189 EC Certificate 0832-CPD-0595	2940,00

Order No.	Picture	Description	Unit price
B05445-00		<p>Industrial Intrinsically Safe IR³ flame detector IFD-E(I.S.), 3 channels, with false alarms reduction</p> <ul style="list-style-type: none"> – As above but Intrinsically Safe (using a safety barrier e.g. B05446-00) – Certified to Ex II1G Eex ia IIC T4 <p>VdS Approval G 212189 EC Certificate 0832-CPD-0597</p>	2980,00
B05448-00		<p>Conventional, UV/IR² flame detector with spurious alarm suppression</p> <ul style="list-style-type: none"> – 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 <p>Technical specifications :</p> <p>Operating voltage : 14 - 30V DC Alarm current : 9 - 28 mA Range : 40m at 0° angle Operating temperature : -10°C to +55 °C Humidity : max. 95% - (at 40°C) IP rating : IP 65 Housing : blue, Die-Cast Zinc Alloy Dimensions (WxHxD) : 108 x 142 x 82 mm Weight : 2 kg</p> <p>VdS Approval G 212190 EC Certificate 0832-CPD-0970</p>	2940,00
B05450-00		<p>Industrial IR³ flame detector IFD-E(Exd) in flame proof housing, 3 channels, with false alarms reduction</p> <ul style="list-style-type: none"> – As above B05340-00 but in flame proof housing (no need for a safety barrier) – Certified to Ex II2 G D <p>Technical specifications :</p> <p>As above B05340-00 but Housing : red, copper free Aluminium Alloy</p> <p>VdS Approval G 212189 EC Certificate 0832-CPD-0599 Baseefa approval : BAS08ATEX0270</p>	3260,00





Order No.	Picture	Description	Unit price
B05455-00		Adjustable Mounting Bracket <ul style="list-style-type: none"> – for Flame detectors IFD-E, IFD-E(I.S.) und IFD-E(Exd) – mounting at the wall or the ceiling 	210,00
B05340-00	 (Photo : similar to the original)	Galvanic Isolator for I.S. detectors, 2 channel <ul style="list-style-type: none"> – 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 (Ue= 24V DC) Transmission current : 1 – 40 mA ATEX Classification : Ex II GD Eex ia IIC Operating temperature : -20 – 60 °C IP rating: IP 20 Weight : 100 g BASEEFA approval BAS01ATEX7160	320,00
B05456-00		Mobile, universal test device for flame detectors <ul style="list-style-type: none"> – 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 	3230,00


Linear optical Smoke Detectors


OSID-Receiver :


Order No.	Picture	Description	Unit price
B05550-00		<p>Open Area Smoke Detector OSI-90 (Beam), 2 wave lengths, <u>90° Receiver</u></p> <ul style="list-style-type: none"> - Dual wavelength LED-based smoke detection (IR and UV) - Dust and intrusive solid object rejection - High false alarm immunity - <u>Max. 7 Emitter can be combined with 1 Receiver</u> - Automatic aligning in a few minutes - Easy alignment with large adjustment and viewing angles - Status LEDs for Fire, Trouble and Power - 1 Alarm and 1 fault relay - Three selectable alarm thresholds - Simple DIP switch configuration <p>Technical specifications :</p> <p>Detection range : 6-68m dep. on emitter Field of view : 80° x 48° Operating voltage : 20 - 30 V DC Quiescent current : 8-10 mA (at 24 V DC) Start-up current : 31 mA (at 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 (H x W x D): 198 x 130 x 96 mm</p> <p>VdS-No : G 211072 CE Certificate 0333-CPD-075387</p>	760,00
B05551-00		<p>Open Area Smoke Detector OSI-45 (Beam), 2 wave lengths, <u>45° Receiver</u></p> <ul style="list-style-type: none"> - as B 5550-00 but view of view more narrow : 45° => Increase of distance <p>Technical specifications as above but :</p> <p>Detection range : 15 - 120m depending on emitter Field of view : 38° x 19°</p> <p>VdS-No : G 211072 CE Certificate 0333-CPD-075387</p>	838,00
B05552-00		<p>Open Area Smoke Detector OSI-10 (Beam), 2 wave lengths, <u>10° Receiver</u></p> <ul style="list-style-type: none"> - as B 5550-00 but view of view more narrow : 10° => Increase of distance - narrow field of view allows only 1 emitter <p>Technical specifications as above but :</p> <p>Detection range : 30 - 150m depending on emitter Field of view : 7° x 4°</p> <p>VdS-No : G 211072 CE Certificate 0333-CPD-075387</p>	740,00

OSID-Emitter:


Order No.	Picture	Description	Unit price
B05555-00		Standard Emitter –Battery Version - – Up to 7 Emitter can be combined with one Receiver (OSI-45 or OSI-90) – 1 Emitter can be combined with Receiver OSI-10 – Easy Installation – In-built Battery provides 5 years lifetime Technical specifications : Operating temperature : -10 °C to +55 °C Humidity : 0 to 95 °RH Weight : 585 g IP rating : IP 44 Dimensions (H x W x D): 198 x 130 x 96 mm VdS-No : G 211072 CE Certificate 0333–CPD-075387	360,00
B05556-00		Standard Emitter –24V DC Version - – Up to 7 Emitter can be combined with one Receiver (OSI-45 or OSI-90) – 1 Emitter can be combined with Receiver OSI-10 – Easy 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 (H x W x D): 198 x 130 x 96 mm VdS-No : G 211072 CE Certificate 0333–CPD-075387	360,00
B05557-00		„High Power Emitter“ – 24VDC - – Up to 7 Emitter can be combined with one Receiver (OSI-45 or OSI-90) – Easy Installation – Achieves max detection range (up to 150m) 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 (H x W x D): 198 x 130 x 96 mm VdS-No : G 211072 CE Certificate 0333–CPD-075387	790,00
B05560-00		Laser Alignment Tool Comprises of: Laser alignment tool, test filter, PC cable, cleaning cloth and manual	360,00

Order No.	Picture	Description	Unit price
B05580-00		FIRERAY 50R, Beam Detector with reflector, distance from 5m to 50m <ul style="list-style-type: none"> - 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 – 50m Operating voltage: 10,2-30 V DC Quiescent current: max. 4 mA (24V DC) Alarm current: max. 15 mA (24V DC) Operating temperature: -20 °C to +55 °C -10 °C to +55 °C (EN54) Humidity: max. 90 %* Dimensions (HxWxD): 126 x 210 x 120mm Weight: 670g VdS-No : G 203070 CE-certificate : 0786-CPD-20045 Variations in condensation*	620,00


B05581-00		FIRERAY 100R, Beam Detector with reflector, distance from 50m to 100m <ul style="list-style-type: none"> - 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 – 100m Operating voltage: 10,2-30 V DC Quiescent current: max. 4 mA (24V DC) Alarm current: max. 15 mA (24V DC) Operating temperature: -20 °C to +55 °C -10 °C to +55 °C (EN54) Humidity: max. 90 %* Dimensions (HxWxD): 126 x 210 x 120mm Weight: 670g VdS-No : G 203070 CE-certificate : 0786-CPD-20045 Variations in condensation*	750,00
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Order No.	Picture	Description	Unit price
B05570-00		<p>FIRERAY 5000 auto-aligning Beam Detector with Remote Control Unit, distance from 8m to 50m</p> <ul style="list-style-type: none"> - 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 - IP54 rated - 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° - Protection class: IP54 <p>Technical specifications:</p> <p>Supply voltage: 14-28 V DC Quiescent current: 6mA (with 1 detector) Operating temperature: -10°C to +55°C Rel. humidity: max. 93%* Colour: white/black Dimensions (L x W x D): Controller (900g): 200 x 235 x 71mm Detector (500g): 134 x 134 x 134mm Prism-reflector (70g): 105 x 100 x 10mm Housing material: ABS (flame retardant)</p> <p>VdS-No.: G 208017 CE-Certificate: 0832-CPD-0565</p>	740,00

*no condensation

Order No.	Picture	Description	Unit price
B05571-00		<p>FIRERAY 5000 auto-aligning Beam Detector with Remote Control Unit, distance from 8m to 100m</p> <ul style="list-style-type: none"> - 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 - IP54 rated - 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° - Protection class: IP54 <p>Technical specifications:</p> <p>Supply voltage: 14-28 V DC Quiescent current: 6mA (with 1 detector) Operating temperature: -10°C to +55°C Rel. humidity: max. 93%* Colour: white/black Dimensions (L x W x D): Controller (900g): 200 x 235 x 71mm Detector (500g): 134 x 134 x 134mm Prism-reflector (70g): 105 x 100 x 10mm Housing material: ABS (flame retardant)</p> <p>VdS-No.: G 208017 CE-Certificate: 0832-CPD-0565</p> <p>*no condensation</p>	880,00
B05575-00		<p>Additional Detector with single prism reflector for B05570-00, max distance 50m</p> <ul style="list-style-type: none"> - Please note: Ground level controller quiescent current with two detectors: 8,5 mA <p>VdS-No.: G 208017 CE-Certificate: 0832-CPD-0565</p>	580,00
B05576-00		<p>Additional Detector with four prism reflectors for B05571-00, max distance 100m</p> <ul style="list-style-type: none"> - Please note: Ground level controller quiescent current with two detectors: 8,5 mA <p>VdS-No.: G 208017 CE-Certificate: 0832-CPD-0565</p>	740,00

Order No.	Picture	Description	Unit price
B05578-00		Universal Bracket for flexible positioning of the detector head resp. of the prisms plates – Suitable for FIRERAY 5000 Systems	180,00
B05578-01		Mounting board for 1 Fireray prism reflector for use with universal mount B05578-00	96,00
B05578-02		Mounting board for 4 Fireray prism reflector for use with universal mount B05578-00	110,00
B05579-00		Range extension for B05570-00 to 100m – Comprises three additional prism reflectors	160,00





Order No.	Picture	Description	Unit price
B05590-00		FIRERAY 3000 System; End-to-End Infrared Optical Beam Smoke Detector <ul style="list-style-type: none"> - 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 Supply voltage: 12 - 36 V DC Current consumption controller: 14 mA Quiescent current sender: 8 mA Operating temperature: -10°C to +55°C Rel. Humidity: max. 93 % VdS-No.: G212034 CE-Certificate: 0786-CPD-21162	990,00

B05591-00		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) <ul style="list-style-type: none"> - 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 rate : IP 54 Operating temperature: -10 °C to +55 °C Humidity: max. 93 % VdS-No : G212034 CE-certificate : 0786-CPD-21162	870,00
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Order No.	Picture	Description	Unit price
B05592-00		Adjustment Bracket for FIRERAY 3000, FIRERAY 5000 and FIRERAY 50R / 100R – 360° rotation plus 180° degree adjustment	160,00



Linear Heat Detectors (Thermal Cables)

Order No.	Picture	Description	Unit price
B05600-00		Linear Heat detector Alarmline LWM-1 <ul style="list-style-type: none"> – Heat detector with rate of rise features as well as static features – Relay outputs for alarm and fault condition – Thermal cable connectable with max. length of 300 m – Sensitivity of the cable can be adjusted by 15 steps (static feature) plus 2x16 steps for the rate of rise feature – Heat detector according to EN54 standards classes A1, A2, B or C – Use in hazardous areas possible – Complete Control Unit in one housing – LEDs for alarm and fault condition Technical specifications: Operating voltage : 10-30 V DC Quiescent current : max. 25 mA (at 24 V) Alarm current : max. 25 mA (at 24 V) Fault current : max. 15 mA (at 24 V) Relay outputs : Alarm, Fault (2A/24V) Operating temperature : -20 °C to +50 °C Humidity : max. 95 % Housing : ABS, RAL 7035 IP rating : IP 65 Dimensions (HxWxD) : 200 x 120 x 80 mm Weight : 550 g VdS-No. G 205066	1.298,00
B05620-00		Thermal cable (blue), standard cable for LWM-1 <ul style="list-style-type: none"> – Dust and water resistant – Price per m 	9,30
B05622-00		Thermal cable (black), with nylon surface for LWM-1 <ul style="list-style-type: none"> – Resistant against acids – Price per m 	12,20
B05623-00		Thermal cable (black), with steel wire netting, for LWM-1 <ul style="list-style-type: none"> – Resistant against acids – Mechanically strong – Price per m 	28,60
B05630-00		End cap to close the thermal cable (LWM-1)	11,30
B05631-00		Coupling piece to connect two thermal cables (LWM-1)	9,30

Order No.	Picture	Description	Unit price
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B05700-00



Linear Heat detector SKM-03

724,00

- 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
 Relay outputs : Alarm, Fault (1A, 24V)
 IP rate : IP 54
 Dimensions (HxWxD) : 105 x 105 x 65 mm
 Weight : 270 g

VdS-No. G 203076

B05710-00



Linear Heat detector SKM-95, addressable version, XP95 protocol

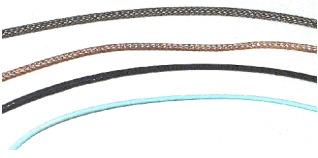
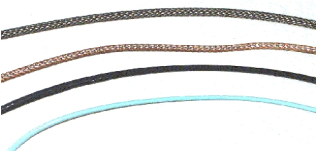
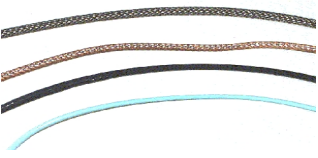

895,00

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

Technical specifications:



Operating voltage : 24V DC
 Quiescent current : 1,3 mA
 Alarm current : 2 mA
 IP rate : IP 54
 Dimensions (H x W x T) : 105 x 105 x 65 mm
 Weight : 270 g

VdS-No. G 203077

Order No.	Picture	Description	Unit price
B05720-00		Thermal cable (red), standard cable for SKM detector <ul style="list-style-type: none"> - Dust and water resistant - Diameter 3,2 mm - Tensile strength : <200 N - Price per m 	9,60
B05721-00		Thermal cable (black), for SKM detector <ul style="list-style-type: none"> - Acid resistant - Diameter 4 mm - Tensile strength : <200 N - Price per m 	14,90
B05723-00		Thermal cable with stainless steel shielding, for SKM detector <ul style="list-style-type: none"> - robust, non-rusting - diameter 4,2 mm - Tensile strength 1.000 N - price per m 	17,90
B05725-00		Coupling piece to connect two thermal cables (SKM cables) <ul style="list-style-type: none"> - E.g. to repair a SKM cable 	7,20
B05728-00		Mounting clip for thermal cable, bag with 100 pcs. <ul style="list-style-type: none"> - For quick installation - No additional dowels necessary - No screws necessary 	36,00



To evaluate and reset the Linear Heat Detectors please use loop modules B02410-01, B02450-01 or B02451-00 (see chapter 2).



Addressable Linear Heat Cable “Listec”


Order No.	Picture	Description	Unit price
B05650-00		<p>Control Unit SCU800/03 for heat sensor cable SEC15</p> <ul style="list-style-type: none"> – Heat detector with rate of rise features as well as static features – 2 x 250 m sensor cable connectable, for each cable max. 99 sensors – Connectable either by relay contacts or via protocol of “Solution F1” panel → any heat sensor inside the cable is evaluated and indicated on the FCP when using software item B01361-00 – Alarm thresholds programmable – Cyclic polling (10s rhythm) of the sensors contained in the sensor cable – 2 relay contacts for alarm (alarm 1+2), one relay contact for fault – Temperature values of each heat sensors can be transmitted to the F1 panel (option) – Aluminium housing <p>Technical specifications :</p> <p>Operating voltage : 21-29V DC Quiescent current : 75 mA Accuracy of measurement : 0,1 °C Operating temperature : 0 - 40°C Humidity : max. 95 % Interfaces : RS232/RS485 Relay outputs : Alarm, Fault 1A 24VDC IP rating : IP 54 Dimensions (H x W x D): 260 x 150 x 90 mm</p> <p>VdS-No. G 205143</p>	1870,00
B05654-00		<p>Connection Box CBO5-SEC for connecting 1 or 2 pcs. of heat cable SEC15</p> <ul style="list-style-type: none"> – Has to be used in case the SEC15 cable cannot be connected to the SCU800 directly – Incl. terminal module UCM – Material : thermoplastic – IP rating : IP 66 – Dimensions (WxHxD) : 130x130x75 mm 	184,00


Order No.	Picture	Description	Unit price
B05655-00		Heat Cable SEC15-05, price per m <ul style="list-style-type: none"> - Inside the cable are temperature sensors, which announce in the case of fire to the evaluation unit - <u>Distance of sensors : 5m</u> - 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) 	28,50
B05655-01		Heat Cable SEC15-04, price per m <ul style="list-style-type: none"> - Inside the cable are temperature sensors, which announce in the case of fire to the evaluation unit - <u>Distance of sensors : 4m</u> - 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) 	32,00
B05655-02		Heat Cable SEC15-03, price per m <ul style="list-style-type: none"> - Inside the cable are temperature sensors, which announce in the case of fire to the evaluation unit - <u>Distance of sensors : 3m</u> - 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) 	35,00
B05658-00		End cap for termination of SEC15 cable	9,60
B05660-00		Fixing Set for Heat Cable SEC15 <ul style="list-style-type: none"> - Contains clip, dowel and screw - Bag containing 100 sets 	85,00


Wireless Detectors & Accessories


Order No.	Picture	Description	Unit price
B05802-00		<p>Wireless Translator Module RSM-WTM</p> <ul style="list-style-type: none"> - 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 fully intelligent radio (wireless) field devices alongside standard hard wired devices. - The Translator Module allows the connection of up to 32 radio field 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. <p>Technical specifications :</p> <p>Operating voltage : 15 - 42 V DC Quiescent current : 38 mA Communication range (open space):150 m Communication with „EXP“ (open space): 300 m Number of operating channels : 7 Frequency : 868 - 870 MHz Operating temperature : -30 + 50°C Dimensions (WxHxD) : 160x120x50 mm Plus Antenna (length) : 80 mm IP rate of housing : IP 68</p> <p>CE Certificate 0832-CPD-2002</p>	448,00
B05804-00		<p>Wireless Expander RSM-EXP</p> <ul style="list-style-type: none"> - 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. - Up to 7 Expander Modules may be configured to any one Translator Module - These devices can comprise of any combination of detectors, call point and input modules and include up to 16 sounders and output devices. - Self-optimising wireless amplitude and frequency - Automatic wireless channel hopping <p>Technical specifications :</p> <p>Quiescent current : 15 mA (24V ext.) Communication range (open space):150 m Number of operating channels : 7 Frequency : 868 - 870 MHz Operating temperature : -30 + 50°C Dimensions (WxHxD) : 160x120x50 mm Plus Antenna (length) : 80 mm IP rate of housing : IP 68</p>	448,00

Order No.	Picture	Description	Unit price
B05810-00		<p>Wireless Smoke Sensor ROD-E</p> <ul style="list-style-type: none"> - The ROD-E is an intelligent wireless photoelectric smoke sensor which is compatible with the FIREwave Translator Module (RSM-WTM) and Expander Module (RSM-EXP). - Patented smoke chamber design - Bi-directional wireless communication - Adaptive signal processing helps with the elimination of false alarms - 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 <p>Technical specifications :</p> <p>Life time of battery : about 5 years Communication range (open space) : 150 m Number of operating channels : 7 Frequency : 868 - 870 MHz Operating temperature : -30 + 50°C Dimensions (WxD) : 110 x 65 mm</p> <p>CE Certificate 0832-CPD-2002</p>	312,00
B05814-00		<p>Wireless Multi Sensor RMD-E</p> <ul style="list-style-type: none"> - The RMD-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). - Patented smoke chamber design - Bi-directional wireless communication - Adaptive signal processing helps with the elimination of false alarms - 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 <p>Technical specifications :</p> <p>Life time of battery : about 5 years Communication range (open space) : 150 m Number of operating channels : 7 Frequency : 868 - 870 MHz Operating temperature : -30 + 50°C Dimensions (WxD) : 110 x 65 mm</p> <p>CE Certificate 0832-CPD-2002</p>	340,00

Order No.	Picture	Description	Unit price
B05818-00		<p>Wireless Smoke Sensor RHD-E</p> <ul style="list-style-type: none"> - The RHD-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 - Adaptive signal processing helps with the elimination of false alarms - 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 <p>Technical specifications :</p> <p>Life time of battery : about 5 years Communication range (open space) : 150 m Number of operating channels : 7 Frequency : 868 - 870 MHz Operating temperature : -30 + 50°C Dimensions (WxD) : 110 x 65 mm</p> <p>CE Certificate 0832-CPD-2002</p>	300,00

Order No.	Picture	Description	Unit price
B05824-00		Wireless Manual Call Point RMD-CP <ul style="list-style-type: none"> - 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. - Supplied with back box. - 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 Comm. range (open space) : 150 m Number of operating channels : 7 Frequency : 868 - 870 MHz Operating temperature : -30 + 50°C Dimensions (WxHxD) : 87x87x 58 mm CE Certificate 0832-CPD-2002	300,00

B05836-00		Remote indicator RSM-RI on radio basis, incl. e.p. housing <ul style="list-style-type: none"> - Bi-directional radio communication - Automatically "channel hopping" - Connectable to "WTM"-Module and to "EXP" expander Technical specification: Working life of battery: ca. 5 years Radio reach (free space): 150m Frequency range: 868-870 MHz Number of radio channels: 7 Operating temperature: 0 + 55° C Dimensions (WxHxD): 87 x 87 x 68mm	498,00
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Order No.	Picture	Description	Unit price
B05828-00		Wireless Single Channel Input Module RSM-IP <ul style="list-style-type: none"> – 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 Communication range (open space) : 150 m Number of operating channels : 7 Frequency : 868 - 870 MHz Operating temperature : -10 + 55°C IP rating : IP 65 Dimensions (WxHxD) : 87x87x23 mm	266,00



B05829-00		Wireless Single Channel Output Module RSM-OP <ul style="list-style-type: none"> – 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 – Requires external power supply Technical specifications : Communication range (open space) : 150 m Number of operating channels : 7 Frequency : 868 - 870 MHz Output Switching Capacity : 2 Amp / 30V dc Operating temperature : -10 + 55°C IP rating : IP 65 Dimensions (WxHxD) : 87x87x23 mm	266,00
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B05838-00		FIREwave Survey & Test Kit RSM-STK <ul style="list-style-type: none"> – A survey kit used to survey the intended installation location for strength of wireless signals. 	1500,00
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Chapter 6

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Fire Brigade Components

Order No.	Picture	Description	Unit price
B08000-00		<p>Fire Brigade Control Panel, according to German standard DIN 14661/08-01</p> <ul style="list-style-type: none"> – Universal Fire Brigade Control Panel to connect directly to the “Solution F1” Fire Control Panel – According to DIN standard 14661/08-01 – Easy and quick installation and wiring – Flat cable connection to “FAT” B08010-00 <p>Technical specifications :</p> <p>Operating voltage: 20,4 to 29,6 V DC Quiescent current: 3 mA Alarm current: 9 mA Outputs: N/O, 0 V active Colour: RAL 7032 IP rating : IP 30 Operating temperature: 0 to +50 °C Dimensions: 180 x 240 x 45 mm (W x H x D) VdS-No. G 205138</p>	268,00
B08010-00		<p>Fire Brigade LCD Repeater Panel (FAT) according to German standard DIN 14662/12-02, <u>redundant version</u></p> <ul style="list-style-type: none"> – Incl. graphics LCD module 128 x 64 dots to display alarm and fault messages – Incl. buzzer – Incl. push buttons for message scrolling, switching off the buzzer and to choose the kind of displayed messages – <u>Redundant interface</u> to Fire Control Panel and redundant wiring terminals for highest possible fail safe technology – Up to <u>63 LCD Repeater Panels</u> connectable at one “Solution F1” Fire Control Panel – No configuration necessary because data are transmitted from the CIE – Several LEDs for “In Operation”, “Alarm”, “Fault”, “Disabling” – Prepared for security key lock <p>Technical specifications :</p> <p>Operating voltage : 21 - 28 V DC Quiescent current : 37,3 mA Alarm current : 65,1 mA Interface : RS485, redundant Max. cable length to CIE : 1.200 m Housing : steel, RAL 7032 IP rating : IP 30 Dimensions : 240 x 180 x 57 mm (W x H x D) VdS-No. G 210128</p>	690,00

Order No.	Picture	Description	Unit price
B08100-00	 <p>Photo: incl. B08000-00 and B08010-00 (please order separately)</p>	<p>Fire Brigade Information System (FIS)</p> <ul style="list-style-type: none"> – 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 <p>Technical specifications : Colour: RAL 3020 IP rating : IP 40 Dimensions: 510 x 700 x 100 mm (H x W x D)</p>	470,00
B08101-00		<p>Flush mounting box for Fire Brigade Information System (FIS) B08100-00</p> <ul style="list-style-type: none"> – For flush mounting of the FIBS B08100-00 – Incl. frame to cover any gaps in the wall – Easy and quick installation <p>Technical specification : Colour : RAL 3020 Dimensions : 552 x 742 x 105 mm (H x W x D)</p>	258,00


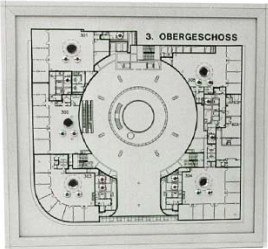

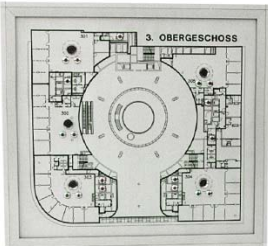
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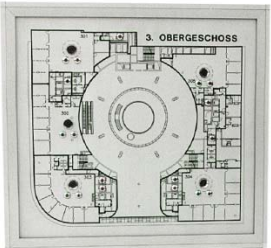
Order No.	Picture	Description	Unit price
B08400-00		<p>Automatic Key Deposit Box SD-04.2</p> <ul style="list-style-type: none"> – Key Deposit Box to keep safe the key of the protected building – in case of a main alarm the outer door will be opened automatically by the Fire Control Panel; only Fire Brigade 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 <p>Technical specifications :</p> <p>Operating voltage : 24 V DC Alarm current : 200 mA Outer door : 5 mm stainless steel Walls : 8 mm Alu Heater : 5 W, included Colour : Stainless steel Dimension of housing: 220x220x160 mm (WxHxD) Dimension of frame : 275x275x2 mm (WxHxD) Weight : 9,75 kg</p> <p>VdS-No. G 110093</p>	1170,00
B08404-00		<p>10m Cable for SD-04.2</p> <ul style="list-style-type: none"> – to wire Key Deposit Box SD-04.2 – ready prepared for connecting <p>Technical specifications :</p> <p>Type of cable : LiYY 10 x 0,5 Length : 10 m</p>	54,00
B08405-00	 <p>Picture similar</p>	<p>Inner door for SD-04, version for profile cylinder locking</p> <ul style="list-style-type: none"> – delivered w/o locker – Weight : 1,20 kg – Dimensions : 200 x 114 x 6 mm (H x W x D) 	120,00
B08410-00	 <p>Picture similar</p>	<p>Inner door for SD-04, version for "Kruise" locking</p> <ul style="list-style-type: none"> – delivered w/o locker – Weight : 1,0 kg – Dimensions : 200 x 114 x 6 mm (H x W x D) 	120,00

Modular mounting column for Key Deposit Box

Order No.	Picture	Description	Unit price
B08430-00		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	190,00
B08431-00		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	540,00
B08432-00		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	930,00
B08438-00		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	64,00

Mimic Panels

Order No.	Picture	Description	Unit price
B09100-00		<p>Mimic Panel 400 x 300 x 60 mm</p> <ul style="list-style-type: none"> – Kind of front design : Gravure, LTFlex or Offset printing (please choose when ordering) – Standard version without electronics <p>Technical specifications : Dimensions : 400 x 300 x 60 mm (W x H x D)</p>	998,00
B09100-01		<p>Mimic Panel 400 x 300 x 60 mm</p> <ul style="list-style-type: none"> – Kind of front design : anodized – Standard version without electronics <p>Technical specifications : Dimensions : 400 x 300 x 60 mm (W x H x D)</p>	998,00
B09115-00		<p>Mimic Panel 600 x 500 x 130 mm</p> <ul style="list-style-type: none"> – Kind of front design : Gravure, LTFlex or Offset printing (please choose when ordering) – Standard version without electronics <p>Technical specifications : Dimensions : 600 x 500 x 130 mm (W x H x D)</p>	1730,00
B09115-01		<p>Mimic Panel 600 x 500 x 130 mm</p> <ul style="list-style-type: none"> – Kind of front design : anodized – Standard version without electronics <p>Technical specifications : Dimensions : 600 x 500 x 130 mm (W x H x D)</p>	1850,00

Order No.	Picture	Description	Unit price
B09120-00		Mimic Panel 800 x 600 x 60 mm <ul style="list-style-type: none"> – Kind of front design : Gravure, LTFlex or Offset printing (please choose when ordering) – Standard version without electronics Technical specifications : Dimensions : 800 x 600 x 60 mm (W x H x D)	2190,00
B09125-00		Mimic Panel 800 x 600 x 130 mm <ul style="list-style-type: none"> – Kind of front design : Gravure, LTFlex or Offset printing (please choose when ordering) – Standard version without electronics Technical specifications : Dimensions : 800 x 600 x 130 mm (W x H x D)	2340,00
B09126-00		Mimic Panel 1.000 x 800 x 130 mm <ul style="list-style-type: none"> – Kind of front design : Gravure, LTFlex or Offset printing (please choose when ordering) – Standard version without electronics Technical specifications : Dimensions : 1.000 x 800 x 130 mm (W x H x D)	3200,00
B09128-00		Mimic Panel 1.200 x 1.000 x 130 mm <ul style="list-style-type: none"> – Kind of front design : anodized – Standard version without electronics Technical specifications : Dimensions : 1.200 x 1.000 x 130 mm (W x H x D)	3700,00

Other dimensions on request

Accessories for Mimic Panels

Order No.	Picture	Description	Unit price
B09130-00		LED for Mimic Panel, red <ul style="list-style-type: none"> - LED in plastic housing, diameter 5 mm - Well and safe fixed at the front plate - Wired inside the mimic panel 	15,80
B09130-01		LED for Mimic Panel, yellow <ul style="list-style-type: none"> - LED in plastic housing, diameter 5 mm - Well and safe fixed at the front plate - Wired inside the mimic panel 	15,80
B09130-02		LED for Mimic Panel, green <ul style="list-style-type: none"> - LED in plastic housing, diameter 5 mm - Well and safe fixed at the front plate - Wired inside the mimic panel 	15,80
B09130-03		LED for Mimic Panel, blue <ul style="list-style-type: none"> - LED in plastic housing, diameter 5 mm - Well and safe fixed at the front plate - Wired inside the mimic panel 	15,80
B09130-04		LED for Mimic Panel, white <ul style="list-style-type: none"> - LED in plastic housing, diameter 5 mm - Well and safe fixed at the front plate - Wired inside the mimic panel 	15,80

Pictures of LEDs similar to originals.

Order No.	Picture	Description	Unit price
B09150-00		Flush mounting adapter – Masking frame 15 mm, aluminium	75,00
B09155-00		Rotatable Front Plate for Mimic Panels – hinges lying inside, from the outside not visibly	148,00
B09160-00		Preparation for mounting of a locking cylinder	138,00
B09165-00		Standard Locker for Mimic Panels – For opening and closing of the mimic panels by a security locker	120,00
B09190-00		Electronics for Lamp Test function – Incl. mounting and wiring	59,00

Order No.	Picture	Description	Unit price
B09210-00		CPU for LED Driver PCBs	298,00

- 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 OC inputs
- Programmable by NSC configuration software

Technical specification :

Operating voltage : 24V DC (redundant by 2 channels)
 Quiescent current : 34 mA
 Interface to FCP : RS-485 (redundant by 2 channels)
 Cable length to FCP : max. 1.200 m
 Programming interface : USB or RS-232
 Dimensions (LxWxH) : 140 x 80 x 25 mm
 Weight : 80 g

B09215-00		LED Driver PCB for 40 LEDs	176,00
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- 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 specification :

Operating voltage : by CPU B09210-00
 Current consumption : 2 mA
 Current consumption : max. 23 mA (lamp test)
 Outputs : 40 Stk. Anode/Cathode for LEDs (no resistor necessary)
 Dimensions (LxWxH): 140 x 80 x 25 mm
 Weight : 100 g




Chapter 7





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Conventional Sounders

Order No.	Picture	Description	Unit price
B07003-00		Multiple tone sounder "SONOS" red, 32 tones, 106 dB <ul style="list-style-type: none"> - Low current multiple tone sounder with performance technology - High sound output, 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. 106 dB Tone : 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) VdS-No. G 210098	26,90
B07003-01		Multiple tone sounder "SONOS" white, 32 tones, 106 dB <ul style="list-style-type: none"> - as above (B07003-00) but white Technical specifications: as above (B07003-00) but Colour : white RAL 9010 VdS-No. G 210098	26,90





For IP rate 65 please use wet bases B07091-00 or B07091-01 (page 5)



Order No.	Picture	Description	Unit price
B07005-00		Multiple tone sounder "RoLP" red, 111 dB <ul style="list-style-type: none"> – Low current multiple tone sounder with performance technology – Very high sound output, max. 111 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: 6 - 28 V DC Current consumption : 20-35mA (24V) depending on tone Sound output: max. 111 dB 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) VdS-No. G 206019	45,00
B07005-01		Multiple tone sounder "RoLP" white, 111 dB <ul style="list-style-type: none"> – as above (B07005-00) but white Technical specifications: as above but Colour : white RAL 9010 VdS-No. G 206019	45,00
B07015-00		Conventional Base Sounder SQ 32, white <ul style="list-style-type: none"> – The ultra slim profile provides an unobtrusive sounder installation when combined with a smoke or heat detector. – Alternative the sounder can be used with blank cover as a stand-alone device – 32 different tones adjustable by DIL-switch – High protected by IP rating 54 – Automatic synchronisation of simultaneously activated sounders – Reduced installation costs Technical specifications: Operating voltage: 10 - 28 V DC Current consumption : 18 mA (Ton 3, 24V) Sound output: 67-102 dB(A) Tones: 32 IP rating: IP21C Operating temperature: -10°C to +55°C Colour: white RAL 9010 Dimensions: 112 x 30 mm (D x H) VdS-No. G 206022	52,50

Order No.	Picture	Description	Unit price
B07020-00		High Output 120 dB(A) multiple tone sounder Symphoni, red <ul style="list-style-type: none"> - 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) depending on tone Sound output : max. 120 dB Tones : 32 Frequency range : 500 - 2850 Hz IP rating : IP 42 Operating temperature: -25°C to +55°C Colour : red Dimensions (W x H x D) : 108 x 108 x 96 mm VdS-No. G 206027	110,00
B07020-02		High Output 120 dB(A) multiple tone sounder Symphoni, white As above (B07020-00) but white colour	110,00
B07020-01		High Output 120 dB(A) multiple tone sounder Symphoni with IP rate 66, red <ul style="list-style-type: none"> - As above (B07020-00) but : IP rate 66 - Dimensions (W x H x D) : 110x110x105 mm 	190,00
B07025-00		Alarm Bell, 6", red <ul style="list-style-type: none"> - 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) CE Certificate 0832-CPD-0134	42,00

Order No.	Picture	Description	Unit price
B07090-00		Wet Base (U-Base), red, for IP rating 65 <ul style="list-style-type: none"> - For use with sounder "RoLP" & Solex strobes - Increases IP rating to IP 65 - Red colour RAL 3000 - Dimension : 93 x 35 mm (D x T) 	5,00
B07090-01		Wet Base (U-Base), white, for IP rating 65 <ul style="list-style-type: none"> - For use with sounder "RoLP" & Solex strobes - Increases IP rating to IP 65 - White colour RAL 9010 - Dimension : 93 x 35 mm (D x T) 	5,00
B07091-00		Wet Base ("SONOS"), red, for IP rating 65 <ul style="list-style-type: none"> - For use with "SONOS" range - Increases IP rating to IP 65 - Red colour RAL 3000 - Dimension : 100 x 45 mm (D x T) 	11,20
B07091-01		Wet Base ("SONOS"), white, for IP rating 65 <ul style="list-style-type: none"> - For use with "SONOS" range - Increases IP rating to IP 65 - White colour RAL 9010 - Dimension : 100 x 45 mm (D x T) 	11,20


Conventional Beacons


Order No.	Picture	Description	Unit price
B07200-00		Beacon "Solex" red, 10-60 VDC, VdS approved according to EN54-3 <ul style="list-style-type: none"> - Small powerful strobe with red lens cover and red mounting base - Innovative beacons carefully control their power requirements to avoid the surge problems caused by conventional beacons - High efficiency light emission - Can be mounted on conventional base sounder - High protected IP rating with wet base (IP 65) Technical specifications : Operating voltage : 10 - 60 V DC Current consumption : 80 mA average Flash energy : 10 Cd Flash frequency : 1 Hz Operating temperature : -25 to +75°C IP rating : IP33C Colour : red RAL3000 Dimensions : 93 x 63 mm (D x H) VdS-No. G 207018	63,00
B07200-01		Beacon "Solex" amber, 10-60 VDC <ul style="list-style-type: none"> - As above product B07200-00 but amber lens VdS-No. G 207018	63,00
B07203-00		Beacon "Solista LX Wall" red, approved according to EN54-23 <ul style="list-style-type: none"> - New strobe with unique lens design that distributes red flashes to achieve the required illumination according to EN54-23 - Available in a red or white body colour and with a shallow, deep base or U base Technical specifications : Operating voltage : 9 - 60 V DC Current consumption : 10-25 mA depending on settings Coverage : 2,4 – 7,5 m Flash frequency : 1 Hz Operating temperature : -25 to +70°C IP rating : IP33C Colour : red RAL3000 Dimensions (D x H) : 93 x 38 mm CE-certificate : 0333-CPR-075441	85,00
B07203-01		Beacon "Solista LX Wall" white, approved according to EN54-23 <ul style="list-style-type: none"> - As above product B07203-00 but white body CE-certificate : 0333-CPR-075441	85,00

Order No.	Picture	Description	Unit price
B07210-00		LED Beacon "SONOS", red lens/red base <ul style="list-style-type: none"> - LED strobe light in very elegant, graceful designed plastic housings (red lens, red base) - Very low current consumption (5 mA) due to LED technology - This enables the installer to use longer cables without any significant voltage drop - Incl. shallow mounting base Technical specifications : <ul style="list-style-type: none"> Operating voltage : 17 - 60 V DC Current consumption : 5 mA (24 VDC) Flash frequency : 1 Hz IP rating : IP 21 Colour of base : red, transparent Colour of lens : red, transparent Weight : 215 g Dimension : 100 x 82 mm (D x H) 	42,00
B07210-01		LED Beacon "SONOS", amber lens/white base <ul style="list-style-type: none"> - LED strobe light in very elegant, graceful designed plastic housings (amber lens, white 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 : <ul style="list-style-type: none"> Operating voltage : 17 - 60 V DC Current consumption : 5 mA (24 VDC) Flash frequency : 1 Hz IP rating : IP 21 Colour of base : White Colour of lens : amber, transparent Weight : 215 g Dimension : 100 x 82 mm (D x H) 	42,00


For IP rate 65 please use wet bases B07091-00 or B07091-01 (page 6)

Addressable Loop Beacons with ESP protocol

Order No.	Picture	Description	Unit price
B07270-00	 <p>(Picture shows B07270-00 with standard mounting base)</p>	<p>Addressable Loop Beacon CHQ-AB, red lens, "loop powered", VdS & EN54-3 approved</p> <ul style="list-style-type: none"> - 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 - Very low current consumption - High efficiency light emission - Reduced installation costs - Attractive looking design similar to the ESP detectors <p>Technical specifications:</p> <p>Operating voltage : 17 – 41 VDC Quiescent current : 240 µA average Alarm current : 4,5 mA Operating temperature : -10 to +50°C Housing : ABS, white RAL 9003 Lens cover : red Dimensions : 38 x 100 mm (H x D) Weight : 88 g</p> <p>VdS-No. G 206052</p>	68,40


B07272-00		<p>Addressable Loop Beacon CHQ-AB, amber lens, "loop powered, VdS approved</p> <ul style="list-style-type: none"> - As above but amber lens <p>VdS-No. G 206052</p>	68,40
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Addressable Loop Beacons, ESP, approved to EN54-23

Bestell-Nr.	Produktbild	Produktbeschreibung	VK-Preis
B07280-00		<p>Addressable Loop Beacon CHQ-CB(red)RL, EN54-23 approved</p> <ul style="list-style-type: none"> – Novel beacon with ultra-high LED-technology – For ceiling mounting – Red LED-flash, red plastic housing – Control freely programmable via FCP – Loop powered – Approved according to EN54-23:2010 – Class C <p>Technical specifications:</p> <p>Operating voltage : 17 – 41 VDC Quiescent current : 250 µA typ. Current consumption Alarm : 12 mA (7,5m range) Housing : ABS, rot Flash : red Operating temperature : -10 to +50°C Dimensions: 100 x 41 mm (D x H) Weight : 120 g</p> <p>CE-Certificate : 0832-CPR-F0561/14</p>	112,50

B07280-01		<p>Addressable Loop Beacon CHQ-CB(white)RL, EN54-23 approved</p> <ul style="list-style-type: none"> – Novel beacon with ultra-high LED-technology – For ceiling mounting – Red flash, white body – Control freely programmable via FCP – Loop powered – Approved according to EN54-23:2010 – Class C <p>Technical specifications:</p> <p>Operating voltage : 17 – 41 VDC Quiescent current : 250 µA typ. Current consumption Alarm : 12 mA (7,5m range) Housing : ABS, rot Flash : red Operating temperature : -10 to +50°C Dimensions: 100 x 41 mm (D x H) Weight : 120 g</p> <p>CE-Certificate : 0832-CPR-F0561/14</p>	112,50
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Combined Sounder / Beacons

Order No.	Picture	Description	Unit price
B07172-00		Addressable wall sounder with flash (CHQ-WSB2), red / red, for wall mounting, <u>EN54-23 approved</u> <ul style="list-style-type: none"> - Power supply by loop - Approved according to EN54-23, class "O" - Due ESP-protocol immune to EMC- and communications dysfunctions - Addressable via hand-held programming device - 10 different volumes adjustable - Flash and sounder separately controllable - 51 different sounds et.al. DIN-sound – adjustable per software - Please order mounting bases separately <p>Technical specifications:</p> <p>Operating voltage : 17 - 41V DC Quiescent current: 150 µA Power : 90 - 102 dB(A) Current consumption Alarm: 2,0 mA (90 dB) 8,0 mA (102 dB) plus 7mA for flash</p> <p>Operating temperature: -10 - +50° C IP rating : IP 21 Colour : red housing RAL3000 red flash</p> <p>Dimensions (DxH) : 112 x 67 mm Weight: 164 g</p> <p>CE-Certificate : 0832-CPR-0563</p>	140,00
B07172-01		Addressable wall sounder with flash (CHQ-WSB2), white / red, for wall mounting, <u>EN54-23 approved</u> <ul style="list-style-type: none"> - As above but, <p>Technical specifications:</p> <p>As above but, Colour : white housing RAL3003 red flash</p> <p>CE-Certificate : 0832-CPR-0563</p>	140,00



Order No.	Picture	Description	Unit price
B07303-00		<p>Combined conventional Sounder Beacon "RoLP LX Wall", red body, <u>approved according to EN54-23</u></p> <ul style="list-style-type: none"> - New strobe with unique lens design that distributes red flashes to achieve the required illumination according to EN54-23 - Combined with multiple sounder (32 tones) - Sounder and Strobe individually controlled - Adjustable sound output - Automatic synchronisation of simultaneously activated sounders - Incl. shallow mounting base <p>Technical specifications:</p> <p>Operating voltage : 18 - 28 V DC Current consumption : 18-41 mA depending on settings Coverage : 2,4 – 7,5 m Sound output : max. 102 dBA (24 V) Tones : 32 e.g. DIN, ISO8201 Flash frequency : 0,5 or 1 Hz IP rating : IP 65 Dimensions (HxWxD) : 147 x 106 x 92 mm CE-Certificate : 0333-CPR-075444</p>	116,00
B07310-00		<p>Combined conventional Sounder Beacon "SONOS", VdS approved acc. to EN54-3</p> <ul style="list-style-type: none"> - 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 <p>Technical specifications:</p> <p>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 of housing : red (transparent) Colour of lens : red (transparent) Dimensions : 100 x 82 mm (D x H) Weight : 215 g VdS-No. G 210098</p>	63,80




Voice Alarm Sounders



Order No.	Picture	Description	Unit price
B07700-00		Voice Alarm Sounder, red <ul style="list-style-type: none"> - 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 100 dB(A) - Automatic synchronisation of simultaneously activated sounders - The volume can be adjusted by potentiometer Technical specifications: <ul style="list-style-type: none"> Operating voltage : 9 – 60 V DC Current consumption : 8 mA (24V) Sound output : max. 100 dB(A) Messages : 16 IP rating: IP 21C Operating temperature: -10 to +55 °C Housing : ABS, red RAL 3000 Dimensions: 108 x 96 mm (D x H) Weight : 210 g 	156,00

B07700-01		Voice Alarm Sounder, white <ul style="list-style-type: none"> - As above product B07700-00 but white RAL 9010 	156,00
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Wireless Audio Visual Devices (addressable)

Order No.	Picture	Description	Unit price
B07800-00		<p>Wireless Base Sounder RSM-BS (white), addressable, incl. battery and mounting base</p> <ul style="list-style-type: none"> - The RSM-BS is 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) - 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 <p>Technical specifications:</p> <p>Life time of battery : about 3 years Adjustable Sounder output : 88–92 dB(A),1m Communication range (open space) : 150 m Frequency : 868 - 870 MHz Number of operating channels : 7 Operating temperature : -10 + 55°C Dimensions (DxH) : 115 x 51 mm</p>	340,00
B07804-00		<p>Wireless Base Sounder Beacon RSM-BSB (white body, red flash), addressable, incl. battery and mounting base</p> <ul style="list-style-type: none"> - The RSM-BSB is 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). - 32 Tones, adjustable volume (as B07800-00) - Bi-directional wireless communication - Automatic wireless channel hopping - Easy and cost-effective additions to existing wired systems - Compliant with current EN54 standards <p>Technical specifications:</p> <p>Life time of battery : about 3 years Adjustable Sounder output : 88–92 dB(A),1m Flash rate : 1 Hz Communication range (open space) : 150 m Frequency : 868 - 870 MHz Number of operating channels : 7 Operating temperature : -10 + 55°C Dimensions (DxH) : 141 x 67 mm</p>	440,00

Order No.	Picture	Description	Unit price
B07800-51		Wireless Base Sounder and Base Sounder Beacon Cover	9,00
B07810-00		Wireless Wall Sounder RSM-WS(RED), including mounting base & battery <ul style="list-style-type: none"> - The RSM-WS(RED) Wall Sounder is a fully intelligent wireless alarm signalling unit, providing a signalling solution for a wide variety of system sizes and types. - Compatible with the FIREwave Translator Module (RSM-WTM) and Expander Module (RSM-EXP) - 3 Tones, adjustable volume up to 100dB(A) - Bi-directional wireless communication - Automatic wireless channel hopping - Easy and cost-effective additions to existing wired systems - Compliant with current EN54 standards Technical specifications: <ul style="list-style-type: none"> Life time of battery : about 3 years Sounder output : 100 dB(A),1m Communication range (open space) : 150 m Frequency : 868 - 870 MHz Number of operating channels : 7 Operating temperature : -10 + 50°C IP rating : IP21C Dimensions (DxH) : 109 x 95 mm 	538,00
B07810-01		Wireless Wall Sounder RSM-WS(WHITE), including mounting base & battery <ul style="list-style-type: none"> - The RSM-WS(WHITE) Wall Sounder is a fully intelligent wireless alarm signalling unit, providing a signalling solution for a wide variety of system sizes and types. - Compatible with the FIREwave Translator Module (RSM-WTM) and Expander Module (RSM-EXP) - 3 Tones, adjustable volume up to 100dB(A) - Bi-directional wireless communication - Automatic wireless channel hopping - Easy and cost-effective additions to existing wired systems - Compliant with current EN54 standard Technical specifications: <ul style="list-style-type: none"> Life time of battery : about 3 years Sounder output : 100 dB(A),1m Communication range (open space) : 150 m Frequency : 868 - 870 MHz Number of operating channels : 7 Operating temperature : -10 + 50°C IP rating : IP21C Dimensions (DxH) : 109 x 95 mm 	538,00

Order No.	Picture	Description	Unit price
B07815-00		<p>Wireless Wall Sounder Beacon RSM-WSB(RED), including mounting base & battery</p> <ul style="list-style-type: none"> - The RSM-WSB Wall Sounder Beacon is a fully intelligent wireless alarm signalling unit, providing audible and visual signalling solutions for a wide variety of system sizes and types. - Compatible with the FIREwave Translator Module (RSM-WTM) and Expander Module (RSM-EXP) - 7 Tones, adjustable volume up to 100dB(A) - Bi-directional wireless communication - Automatic wireless channel hopping - Easy and cost-effective additions to existing wired systems - Compliant with current EN54 standards <p>Technical specifications:</p> <p>Life time of battery : about 3 years Sounder output : 100 dB(A),1m Flash rate : 1 Hz Communication range (open space) : 150 m Frequency : 868 - 870 MHz Number of operating channels : 7 Operating temperature : -10 + 50°C IP rating : IP21C Dimensions (DxH) : 109 x 95 mm</p> <p>CPD-approved</p>	630,00
B07815-01		<p>Wireless Wall Sounder Beacon RSM-WSB(WHITE), including mounting base & battery</p> <ul style="list-style-type: none"> - The RSM-WSB Wall Sounder Beacon is a fully intelligent wireless alarm signalling unit, providing audible and visual signalling solutions for a wide variety of system sizes and types. - Compatible with the FIREwave Translator Module (RSM-WTM) and Expander Module (RSM-EXP) - 7 Tones, adjustable volume up to 100dB(A) - Bi-directional wireless communication - Automatic wireless channel hopping - Easy and cost-effective additions to existing wired systems - Compliant with current EN54 standards <p>Technical specifications:</p> <p>Life time of battery : about 3 years Sounder output : 100 dB(A),1m Flash rate : 1 Hz Communication range (open space) : 150 m Frequency : 868 - 870 MHz Number of operating channels : 7 Operating temperature : -10 + 50°C IP rating : IP21C Dimensions (DxH) : 109 x 95 mm</p> <p>CPD-approved</p>	630,00