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Notifier by Honeywell Product Catalogue, version 1.0

Fire and Gas Detection Systems

# Product Catalogue

Fire and Gas  
Detection Systems



 **NOTIFIER**  
by Honeywell

Notifier by Honeywell Product Catalogue v1.0

www.notifier.be / nl

# Introduction

Welcome to the Fire and Gas Detector Systems Product Catalogue v. 1.0 from Notifier by Honeywell.

This edition contains innovative and intelligent products for fire and gas detection.

Notifier by Honeywell has been manufacturing and supplying fire detection and alarm systems for more than 50 years. Having grown to become one of the World's leading fire detection equipment manufacturers, Notifier by Honeywell now has over 400 specialized distribution centres around the world.

The Notifier Academy training program ensures that Engineered System Distributors (ESD) have the technological knowledge to enable them to provide the highest levels of service and support for Notifier systems.

Notifier by Honeywell ESD's are provided with the latest news of product developments and new product releases through regular Technical and Marketing Bulletins. Every trained and certified Notifier engineer receives a personal login to the ESD section of the Notifier website, providing access to the latest news and technical resources on line.

Respecting the strictest international standards of product and service quality, Notifier by Honeywell activities are accredited by to ISO 9001. Our products also comply to CPD directives, EN54 and local standards and are BOSEC, LPCB, and VdS approved.

Our customers have the confidence that Notifier by Honeywell can provide complete solutions whatever the needs of the site and building users.

Users of Notifier by Honeywell products enjoy the experience of a leading international company combined with the professional services of a local distributor.

Notifier by Honeywell is part of Honeywell International Inc. with the head office located in Morristown, New Jersey, USA. Honeywell is a technology and manufacturing leader serving customers worldwide with aerospace products and services; control technologies for buildings, homes and industry; automotive products; turbochargers; and specialty materials.

Notifier by Honeywell develops cutting edge technology in fire detection systems; from simple, conventional systems to complex intelligent systems with multiple panels. Continuous investment in R&D means the Notifier product range is constantly developing new high technology products to meet the changing needs of our customers and maintain Notifier's position at the forefront of the life safety industry.

We are looking forward to continued success in working together.

Your Notifier Team

Legend:  Special information



This document is not intended to be used for installation purposes. Every care has been taken in the preparation of this document but no liability can be accepted for the use of the information therein.  
Design features may be changed or amended without prior notice.

## Notes

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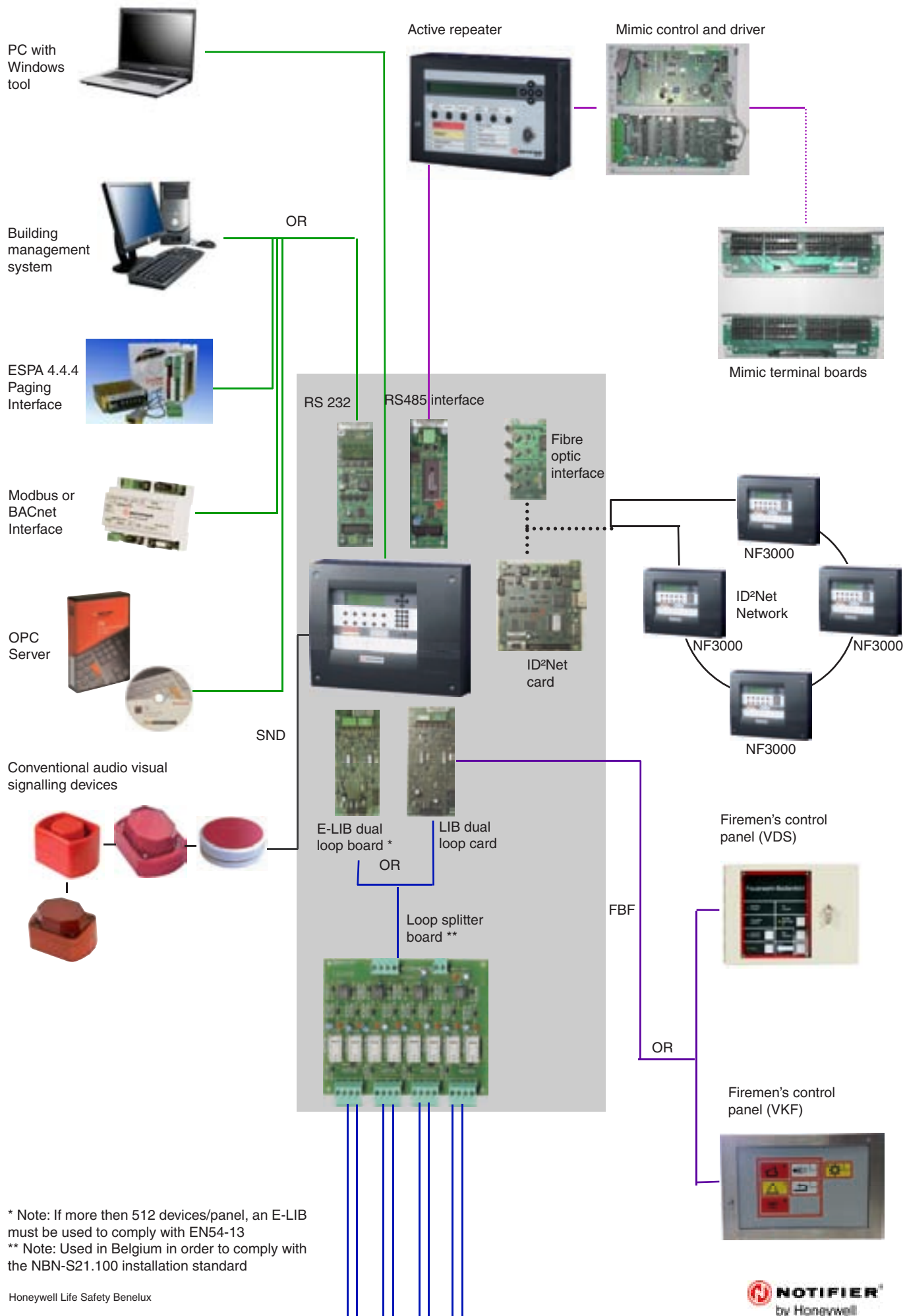
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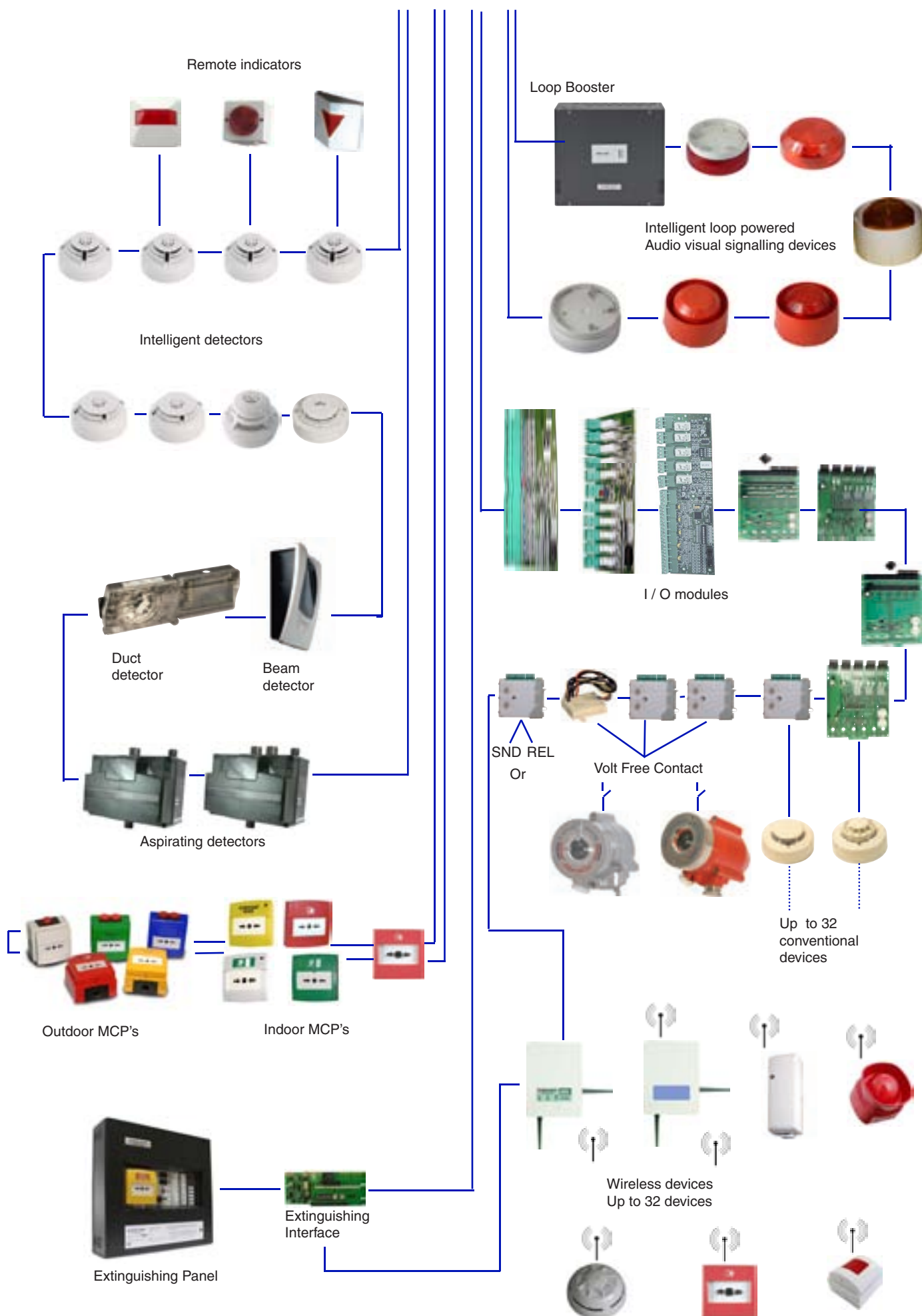


# Intelligent Systems

 **NOTIFIER**<sup>®</sup>  
by Honeywell

## Example of system overview of NF3000





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## Notes

## Intelligent Single Loop Panels



The NF30/50 intelligent panels have been developed by Notifier with efficiency for both installers and end users in mind.

In addition of the NF30, the NF50 is provided for use with high sensitive VIEW™ detectors.

The NF30/50 panel will control up to 99 sensors on the single loop and a combination of 99 call points, monitor modules, control modules, conventional interface modules and loop powered sounders.

The NF30/50 panels allow connections of mimic panels and repeaters (IDR2A and IDR2P) via a RS485 optional interface.

With the NF30/50, we have thrown in a few little extras - such as hassle-free installation, easy programming with "Auto-learn", simple service and maintenance and Windows®-based design and commissioning tools. The panel is multilingual.

Bosch approved to EN54-13: Bosch number: TCC2-879/a



Please replace "xx" in the part n° by the code for the needed language:  
NL = Dutch; FR = French; UK = English; GE = German; IT = Italian

**The EN54-13 System certificate (TCC2-879/a) contains the following items:**

- **Intelligent fire panel**

NF30-A+(ISOX-8) var. NF50 +  
(ISOX-8)  
(NF30-A incl. PSU1.5A)  
(NF50 incl. PSU3A)

- **Detectors**

NFX(I)-OPT  
NFX(I)-TFIX58  
NFX(I)-TFIX78  
NFX(I)-TDIFF  
NFX(I)-SMT2  
NFX(I)-SMT3  
IRX-751CTEM  
FSL-751E

- **Bases**

B501AP,  
B524IEFT-1,  
B524HTR,  
B524RTE

- **Beam detectors**

LBP-700(T)

- **Aspirating systems**

A320-2N, A310-1N, A310-2N

- **Manual Call Points**

M700KACI-xx-y  
M700WCP-R/I/Sx

- **Intelligent modules**

M701, M701-240, M701-240-DIN  
M710, M720  
M710-CZ  
M700X  
M721  
CR-6  
CZ-6  
SC-6  
IM-10  
CMX-10RM  
MMX-10M  
MCX-55M  
MMX-102E

- **Sounders**

NS4/x  
AWS32/x-I  
ABS32/x-I

## N30/CAB-A1/xx

## NF30 Intelligent Fire Panel



Single loop intelligent fire panel with 16 zones.

Options: RS485 (020-553), ISOX-8.

### Specifications

- Power supply: 1,5 A
- Battery space: 2 x 12Ah/12V batteries
- Color: RAL7021
- Dimensions back box (WxHxD): 380 mm x 365 mm x 110 mm

**CPD number: 0786-CPD-20851**

## NF50/CAB-A1/xx

## NF50 Intelligent Fire Panel



Single loop intelligent fire panel with 16 zones. Including AWACS software for VIEW™ detection functionality.

Options: RS485 (020-553), ISOX-8.

### Specifications

- Power supply: 1,5 A
- Battery space: 2 x 12Ah/12V batteries
- Color: RAL7021
- Dimensions (WxHxD): 380 mm x 365 mm x 110 mm

**CPD number: 0786-CPD-20851**

## NF50/CAB-B1/xx

## NF50 Intelligent Fire Panel



Single loop intelligent fire panel with 16 zones. Including AWACS software for VIEW™ detection functionality. Printer kit can be added.

Options: RS485 (020-479), printer (020-644-009), ISOX-8.

### Specifications

- Power supply: 3 A
- Battery space: 2 x 12Ah/12V batteries
- Color: RAL7021
- Dimensions (WxHxD): 500 mm x 400 mm x 140 mm

**CPD number: 0786-CPD-20851**

## NF50/CAB-C2/xx

## NF50 Intelligent Fire panel



Single loop intelligent fire panel with 16 zones. Including AWACS software for VIEW™ detection functionality. Printer kit can be added.

Options: RS485 (020-479), printer (020-644-009), ISOX-8.

### Specifications

- Power supply: 3 A
- Battery space: 2 x 38Ah/12V batteries
- Color: RAL7021
- Dimensions (WxHxD): 500 mm x 620 mm x 235 mm

**CPD number: 0786-CPD-20851**

## Intelligent Fixed Dual Loop Panels

NF3002/CAB-B1/xx

Fixed 2 Loop Intelligent Fire Panel



The NF3002 intelligent fire panel offers a technically sophisticated range of facilities and functions. It is a pre-mounted panel limited to 2 loops and not expandable with dual loop cards.

The NF3002 panels can be networked in a ID<sup>2</sup>net peer to peer network and it allows connection of mimic panels and repeaters (IDR6A) via a RS485 optional interface.

**This pre-mounted fire panel includes:**

- 1 x 020-538-002 Basic Equipment Kit
- 1 x LK3000NL/FR Dutch/French Language Kit
- 1 x 020-648 3A Power Supply Unit Kit
- 1 x 020-472-009 Standard Back Box Kit
- 1 x 020-480-009 Main Cover Kit

**Options:**

RS485 (020-479), RS232 (020-478), P2P (020-647), ISOX-8.

**Specifications**

- |                       |                          |
|-----------------------|--------------------------|
| • Power supply:       | 3A                       |
| • Battery space:      | 2 x 12Ah/12V batteries   |
| • Color:              | RAL7021                  |
| • Dimensions (WxHxD): | 500 mm x 400 mm x 140 mm |

**CPD number: 0786-CPD-20878**

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**NEW**

**PRL-BNL**

**Pearl 2 Loop panel (Availability will be announced)**



- Monochrome QVGA display
- ID3000-style control matrix
- Enhanced ID3000-style user interface
- Full OPAL Address Range - 159 + 159 devices
- 63 panel ID<sup>2</sup>net network capability
- Integrated Tool Suite - ID3000 compatible
- Sounder synchronisation - loop to loop
- ID<sup>2</sup>Net Compatibility - Fire/Faults/Disablements
- 2 High-performance Loops
- Compatible with new Notifier OPAL device range (Advanced Protocol)
- Supports 159 detectors + 159 modules
- 750mA drive capability – supports 80 sounders per loop – optimised loop voltage
- User Interface
- ¼ VGA Monochrome LCD Display
- Backlit, user-friendly keypad
- Context-sensitive help function
- Installation features
- Innovative “first-fix” cable bracket with wiring template
- Rear cable apertures for hidden wiring
- Connectivity
- Fault Tolerant EN54-2 compliant network, compatible with ID<sup>2</sup>Net
- USB, RS232, RS485 interfaces.
- Simultaneous connection of network, repeater(s) & supervisory system.
- Dutch, French, German and Italian.
- Standard housing provides 2 x 12 Ah battery space

The new Pearl panel from Notifier is best in class for performance and features. It is a robust and easy to use networkable 2 loop panel which is highly scalable.

Fully compatible with the ID3000 network, the Pearl panel is supported by an integrated new tools suite that will enhance and simplify the management of the system.

The large display with its intuitive interface and menu driven features will allow quick and easy operation of the system. Coupled with more power and devices on the loop than today, the modular design will allow for trouble-free first fix installation.

BOSEC & VDS system approvals in process.  
EN54 & CPD approved.

**PRL-BOX**

**Large box to receive a complete Pearl panel**

Allows 38Ah batteries to be fitted

**PRL-P2P**

**ID<sup>2</sup>net Network Card**

**PRL-COM**

**Communication interface for Third Party Equipment**

**PRL-PK**

**Support Tools (Programming Kit)**

**PRL-VDS**

**Extra Module for UE drive, EN54-13 sounders**

<b>PRL-ESPA</b>	<b>ESPA 4.4.4 Protocol driver</b>
	For use with PRL-COM
<b>PRL-3PP</b>	<b>Third Party Protocol Driver</b>
	For use with PRL-COM
<b>PRL-FM</b>	<b>Flush-Mount kit</b>
<b>PRL-RM19</b>	<b>19" Rack Mount Kit</b>
<b>NFS-FLASH-1GB</b>	<b>Notifier Branded 1GB Memory Stick</b>

## Integrated Tool Suite (Components)

<b>NFS-PC-FULL</b>	<b>CD/DVD containing latest version of all components</b>
	Not necessary if all are on PK included with each panel. May depend on authentication/licensing.
<b>NFS-PC-LBC</b>	<b>Estimator</b>
	Used to estimate the loop and battery capabilities of the system during system design.
<b>NFS-PC-DES</b>	<b>Designer</b>
	Used to specify the devices connected to the system.
<b>NFS-PC-CFG</b>	<b>Panel configurer</b>
	Used to set basic panel parameters such as communication settings, acces codes, etc.
<b>NFS-PC-CE</b>	<b>C&amp;E Editor</b>
	Used to configure the event responses of the system.
<b>NFS-PC-COM</b>	<b>Communicator</b>
	Used to download the site specific data to the panel via laptop.
<b>NFS-PC-DIAM</b>	<b>Loop diagnostics</b>
	Used (in conjunction with the panel or POL-100) to map the loop and to diagnose faults.
<b>NFS-PC-RPT</b>	<b>Repeater configurer</b>
	Sets repeater parameters such as display filtering and communication settings.
<b>NFS-PC-TXT</b>	<b>Text editor</b>
	Allows access to change device and/or zone location text without allowing system response parameters such as zone or device sensitivity to be altered.

Intelligent 2-8 Loop Panels



The NF3000 intelligent fire panel offers a technically sophisticated range of facilities and functions. Modern styling and a variety of aesthetic options are sure to win over facility owners and architects. The NF3000 intelligent fire panels are designed in a modular fashion to allow a wide range of applications. You can design your panel following yours needs or choose one of the Easy Order Kits. The Easy Order Kits will be delivered in separate items and are further expandable with optional cards as: dual loop cards, isolated RS485 module, isolated RS232 module, printer kit, etc. All panels are multi-language (NL, FR, GE, UK).

The NF3000 panel can be networked together either as a true peer to peer network or in a Master / Slave network, extending the total capacity of the system to fit the largest applications. The NF3000 is designed in a modular fashion to allow for a wide range of applications, facilitating installation and servicing whilst making the NF3000 very easy to tailor to the requirements of the application. The large graphic LCD provides easy to read and understand messages complying with the EN54 standard for primary user interfaces.

System Modules

The NF3000 is a flexible modular control panel, built from various option modules. Choose the best combinations suited to the particular application.

**Bosec approved to EN54-13: Bosec number: TCC2-878/a  
CPD number: 0786-CPD-20878**

**The EN54-13 System certificate (TCC2-878/a) contains the following items:**

**• Intelligent fire panel**  
NF3000+ (ISOX-8)  
incl. PSU3A or PSU7A

**• Detectors**  
NFX(I)-OPT  
NFX-TF(I)X58  
NFX-TF(I)X78  
NFX(I)-TDIFF  
NFX(I)-SMT2  
NFX(I)-SMT3  
IRX-751CTEM  
FSL-751E

**• Bases**  
B501AP  
B524IEFT-1  
B524HTR  
B524RTE

**• Beam detectors**  
LBP-700(T)

**• Aspirating systems**  
A320-2N, A310-1N, A310-2N

**• Manual Call Points**  
M700KACI-xx-y  
M700WCP-R/I/Sx

**• Intelligent modules**  
M701, M701-240,  
M701-240-DIN  
M710, M720  
M710-CZ  
M700X  
M721  
CR-6  
CZ-6  
SC-6  
IM-10  
CMX-10RM  
MMX-10M  
MCX-55M  
MMX-102E

**• Sounders**  
NS4/x  
AWS32/x-I  
ABS32/x-I

## NF3000-CAB-B1/xx

## NF3000 Intelligent Fire Panel Kit



### This unassembled kit includes the following parts:

- 1 x 020-538-002 Basic Equipment Kit with 2 loops
- 1 x LK3000NL/FR Dutch/French Language Kit
- 1 x 020-648 3A Power Supply Unit Kit
- 1 x 020-472-009 Standard Back Box Kit
- 1 x 020-480-009 Main Cover Kit

### Options:

RS485 (020-479), RS232 (020-478), LIB (020-588), E-LIB (020-549), Peer to peer module (020-647), ISOX-8.

### Specifications

- Power supply: 3A
- Battery space: 2x12Ah/12V batteries
- Color: RAL7021
- Dimensions (WxHxD): 500 mm x 400 mm x 140 mm

**CPD number: 0786-CPD-20878**

## NF3000-CAB-C2/xx

## NF3000 Intelligent Fire Panel Kit



### This unassembled kit includes the following parts:

- 1 x 020-538-002 Basic Equipment Kit with 2 loops
- 1 x LK3000NL/FR Dutch/French Language Kit
- 1 x 020-648 3A Power Supply Unit Kit
- 1 x 020-474-009 Extended Deep Back Box Kit
- 1 x 020-480-009 Main Cover Kit
- 1 x 020-481-009 Extension Cover Kit
- 1 x 020-485-009 Extension Cover Blanking Plate Kit

### Options:

RS485 (020-479), RS232 (020-478), LIB (020-588), E-LIB (020-549), printer kit (020-644-009), ISOX-8.  
Peer to peer module (020-647).

### Specifications

- Power supply: 3A
- Battery space: 2x38Ah/12V batteries
- Color: RAL7021
- Dimensions (WxHxD): 500 mm x 620 mm x 235 mm

**CPD number: 0786-CPD-20878**



## NF3000-CAB-D2/xx

## NF3000 Intelligent Fire Panel Kit



### This unassembled kit includes the following parts:

- 1 x 020-538-002 Basic Equipment Kit with 2 loops
- 1 x LK3000NL/FR Dutch/French Language Kit
- 1 x 020-480-009 Main Cover Kit
- 2 x 020-481-009 Extension Cover Kit
- 2 x 020-485-009 Extension Cover Blanking Plate Kit
- 1 x 020-476-009 Double Extended Deep Back Box Kit
- 1 x PSU-7A Power supply 7A and Dual Transmission Path Board

### Options:

RS485 (020-479), RS232 (020-478), LIB (020-477), ISOX-8, E-LIB (020-549), printer kit (020-644-009), Peer to peer module (020-647)

### Specifications

- Power supply: 7A
- Battery space: 2x38Ah/12V batteries
- Color: RAL7021
- Dimensions (WxHxD): 500 mm x 840 mm x 235 mm

**CPD number: 0786-CPD-20878**

## 020-538-002/xx

## NF3000 Basic Equipment Kit



Includes the main chassis assembly, with hinged display, base PCB containing 2 loops and microprocessor PCB.  
240 x 64 pixels LCD display.  
Slide-in labels included.

## Modular & Peripheral Devices

### PSU-3A

### NF50/NF3000 3A Power Supply Unit Kit



Switched mode power supply (020-648).

### Specifications

- Weight: 1,3kg

### PSU-7A

### NF3000 Universal Power Supply Kit



Includes:

- 7A Power supply (020-579)
- Dual Transmission Path Board Kit (020-543)

The 7A Power supply can be mounted behind the basic equipment if the deep back box is used.

### Specifications

- Weight: 3kg

020-543

## NF3000 Dual Transmission Path Board Kit



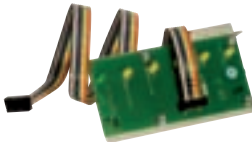
Includes a complete PSU Interface unit assembly with interconnection cables and spare fuses. Essential for PSU-7A.

### Specifications

- Weight: 1,3kg

020-548

## NF3000 PSU Status Indication Kit



Includes a complete assembly with interconnection cables.  
Gives status indications of the PSU when it is externally mounted.

020-541-009

## 78 Ah Remote Battery/Charger Enclosure Kit



Floor mounted back box with extra depth for external mounting of PSU-7A (not included). Will hold batteries up to 78 Ah.

### Specifications

- Dimensions (WxHxD): 680 mm x 510 mm x 240,5 mm

020-588

## NF3000 Dual Loop Module Kit (Lib Card)



Includes PCB for additional 2 loops, and plug in cable connector.  
Max. three modules per panel.



A maximum of 512 input devices per panel may be connected using the standard LIBs (limitation of EN54-13 standard).

020-549

## NF3000 Intelligent Dual Loop Board Kit (E-Lib Card)



Includes PCB for additional 2 loops with on board standby microprocessor, and plug in cable connector.  
Max. three modules per panel.  
Only required where total number of input devices controlled by panel main microprocessor exceeds EN54-13 limitation of 512.  
E-LIB may be mixed with standard LIBs in the same panel.

ISOX-8

## 8-Way Loop Splitter Board



Transforms 1 intelligent loop into 4 closed and isolated sub-loops.



3 types of configurations possible - requires external 24VDC.  
Compatible with all intelligent Notifier panels.

### Specifications

- Dimensions (W x H x D): 155 mm x 115 mm x 70 mm

020-559-001

## NF3000 Extension Chassis Kit, Zones 1-64



Includes extension chassis with LED display board for zones 1 to 64 to indicate fire and fault / disablement / test. Will also accept integral printer.

020-559-002

## NF3000 Extension Chassis Kit, Zones 65-128



Extension chassis with LED display board. Zones 65-128.  
Accepts also integral printer (optional 020-644-009).


 Not compatible with SMC panels.

020-612

## NF3000 256 Zone Display Module Extension Kit



Extension chassis with LED display board. Zones 1-256.

 Requires double extension space & special cover 020-621-009.

020-708-009

## NF3000 Ext. Chassis With Printer Module Kit



Extension chassis with integral printer module fitted.

 Uses the Panel RS232 COM Port.

020-644-009

## NF Series Printer Kit



Includes thermal printer with power supply unit and roll of thermal paper.  
No RS232 interface module is required.  
Compatible with NF50/CAB-B1/xx, NF50/CAB-2/xx and NF3000 panels  
using extension chassis kit 020-559-001, 020-559-002.

 Uses 1 panel COMMS port.

020-820

## Replacement Paper Roll For Printer



020-480-009

## Main Cover Kit



Includes plastic moulding finished in RAL7021, 4 hexagonal socket-headed M6 screws & Notifier label.  
Moulding adds 21 mm to overall depth of back box.

020-481-009

## Extension Cover Kit



Includes plastic moulding finished in RAL7021, printer slot & 2 hexagonal socket-headed M6 screws.  
Moulding adds 21 mm to overall depth of back box.

020-872-009

## Main Cover Kit - High Security



Includes moulding finished in RAL7021, user interface door, 4 hexagonal socket-headed M6 screws & Notifier label. Moulding adds 21 mm to overall depth of back box.

020-873-009

## Extension Cover Kit - High Security



Includes moulding finished in RAL 7021, user interface door, printer slot & 2 hexagonal socket-headed M6 screws. Moulding adds 21 mm to overall depth of back box.

020-621-009

## NF3000 256 Zone Display Extension Cover Kit



Includes moulding, hinges for user interface door, push clip fasteners and printer slot covering label. Finished in RAL7021. Moulding adds 21 mm to overall depth of back box. (To cover 256 zone display module 020-612).

020-485-009

## Extension Cover Blanking Plate Kit



Metal blanking plate to cover hole in 020-481-009 if no extension chassis is required. May be used for customisation such as mounting of plant switches. Finished in RAL7021 extra fine texture.

020-472-009

## Standard Back Box Cab-B1



Basic back box kit coated to RAL 7021 extra fine texture. Includes power in connectors. Will hold batteries up to 12Ah. Suitable for use with single extension.

### Specifications

- Weight: 4kg
- Dimensions (WxHxD): 500 mm x 400 mm x 122 mm

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020-473-009

## Extended Back Box Cab-C1



Single "extended height" back box powder coated to RAL7021 extra fine texture. Includes power in connectors. Will hold batteries up to 17Ah. Suitable for use with single extension.

### Specifications

- Weight: 8kg
- Dimensions (WxHxD): 500 mm x 620 mm x 122 mm

020-474-009

## Extended Deep Back Box Cab-C2



Single "extended height" back box with extra depth for additional battery space, powder coated to RAL7021 extra fine texture. Includes power in connectors. Will hold batteries up to 38Ah. Suitable for use with single extension.

### Specifications

- Dimensions (WxHxD): 500 mm x 620 mm x 220 mm

020-475-009

## Double Extended Back Box Cab-D1



Double "extended height" back box powder coated to RAL7021 extra fine texture. Includes power in connectors. Will hold batteries up to 17Ah. Suitable for use with dual extension.

### Specifications

- Dimensions (WxHxD): 500 mm x 840 mm x 122 mm

020-476-009

## Double Extended Deep Back Box Cab-D2



Double "extended height" back box with extra depth for additional battery space, powder coated to RAL7021 extra fine texture. Includes power in connectors. Will hold batteries up to 38Ah with chassis fitted. Suitable for use with dual extension.

### Specifications

- Dimensions (WxHxD): 500 mm x 840 mm x 220 mm

020-508-009

**Standard Extension Back Box Kit**

Basic back box powder coated to RAL7021 extra fine texture. Includes power in connectors. Will hold batteries up to 17 Ah (requires cover 020-481-009 + blanking plate 020-485-009).

**Specifications**

- Weight: 2,7kg
- Dimensions (WxHxD): 500 mm x 220 mm x 122 mm

020-509-009

**Deep Extension Back Box Kit**

Deep back box with extra depth for additional battery space. Powder coated to RAL7021 extra fine texture. Includes power in connectors. Will hold batteries up to 38 Ah. (requires cover 020-481-009 + blanking plate 020-485-009).

**Specifications**

- Weight: 4kg
- Dimensions: (WxHxD): 500 mm x 220 mm x 220 mm

020-599-009

**Flush Mounting Bezel For NF30/50 CAB-A1**

Semi-flush mount bezel for standard height back box. Finished in RAL 7021 extra fine texture.

**Specifications**

- Dimensions (H x W): 437 mm x 453 mm

020-038-009

**Flush Mounting Bezel For NF3000 CAB-B1****Specifications**

- Dimensions (H x W): 467 mm x 567 mm

020-039-009

**Flush Mounting Bezel for NF3000 CAB-C1 or CAB-C2**

Semi-flush mount bezel for extended height back box. Finished in RAL 7021 extra fine texture.

**Specifications**

- Dimensions (H x W): 687 mm x 567 mm

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020-040-009

## Flush Mounting Bezel for NF3000 CAB-D1 or CAB-D2



Semi-flush mount bezel for double extended height back box. Finished in RAL 7021 extra fine texture.

### Specifications

- Dimensions (H x W): 907 mm x 567 mm

020-600-009

## Flush Mounting Bezel for IDR Repeaters



### Specifications

- Dimensions (H x W x D): 218 mm x 307 mm x 60 mm

020-576

## Main Cover Kit, Stainless Steel



020-577

## Extension Cover Kit, Stainless Steel With Printer Slot



To be used with 1-64 zone LED display module.

020-621

## 256 Zone Display Module Extension Cover Kit



020-584

## Blank Extension Cover Kit, Stainless Steel



020-585

## Bezel Kit, Standard Back Box Stainless Steel



020-586

Bezel Kit, Extended Back Box Stainless Steel



020-587

Bezel Kit, Double Extended Back Box stainless steel



002-466-002

IDR-6A Active Repeater Stainless Steel



This kit includes the complete repeater unit with all assembled electronics, Liquid Crystal Display (LCD), fascia membrane, text insert label kit, manual and the stainless steel flush mounting bezel.

IND-CAB-29U

Industrial Cabinet 29U 1400mm x 600mm x 600mm



Frame, Side Panels (2), Rear Panel, Glass Door, Handle + Locking Cylinder, Top Cover Base Plate, Plinth 100mm, Earthling Kit, 19" panel mount (2) 29U, Colour Notifier.

IND-CAB-33U

Industrial Cabinet 29U 1400mm x 600mm x 600mm

IND-CAB-38U

Industrial Cabinet 38U 1800mm x 600mm x 600mm

IND-CAB-43U

Industrial Cabinet 43U 2000mm x 600mm x 600mm

IND-CAB-47U

Industrial Cabinet 47U 2200mm x 600mm x 600mm

IND-CAB-S-F

Swing Frame

IND-CAB-M-P

Mounting Plate

IND-CAB-FT-3F

Fan Tray + 3 Fans



020-590

6U 19" Rack Mounting Assembly For Basic Equipment Kit  
(adapter plate and cover)

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Compatible with basic equipment kit 020-538-002.

020-591

6U 19" Rack Mounting Assembly For Standard Extension Chassis & Printer (adapter plate and cover)

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Compatible with extension chassis 020-559 or 020-708-009.

020-592

6U 19" Rack Mounting Assembly for 256 Zone Led Extension Chassis (adapter plate and cover)

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Compatible with 256 zone display module 020-612.

020-593

6U 19" Rack Blank Cover With Printer Provision (adapter plate and cover)

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Compatible with printer kit 020-644-009.

020-594

6U 19" Rack Blank Cover

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020-595

6U 19" Rack Mounting Assembly For 7Amp PSU

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Compatible with 7A power supply 020-579.

020-598

3U 19" Rack Blank Cover



020-596

3U 19" Rack Blank Cover With Mains/Gland Termination



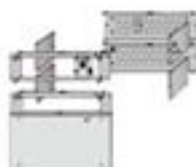
020-597

3U 19" Rack Mounting Assembly For Mimic Driver Kit



020-606

6U 19" Rack Blank Cover With Mains/Gland Termination



020-478

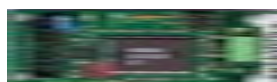
Isolated RS232 Module kit for NF3000



Includes PCB for isolated RS232 port for OEM interface, 80 column printer etc.  
Uses 1 panel COM port.

020-479

Isolated RS485 Module kit for NF SERIES (except NF30/50-CAB-A1)



Includes PCB for isolated RS485 port for peripherals such as repeaters and mimic boards. Uses 1 panel COM port.

020-553

RS485 interface module pcb Kit For NF30-50/CAB-A1



Includes the RS485 interface module PCB required for repeater interfacing to the NF30/NF50 CAB-A1. Simply plugs into dedicated socket on NF30/NF50 CAB-A1 panel PCB assembly. Incl. Install. sheet.

002-451-002

IDR-2P passive repeater for NF30/NF50 Panels



Passive repeater, displays all alarm and fault messages on the display. Includes status indication leds and text insert label kit (NL, FR).

## Specifications

- Dimensions (W x H x D): 255 mm x 165 mm x 55 mm

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002-450-002

## IDR-2A active repeater for NF30/NF50 Panels



Active repeater, displays all alarm and fault messages on the LCD. Includes function pushbuttons as mute buzzer, accept, evacuate, resound sounders and reset. Includes status indication leds and text insert label kit.

### Specifications

- Dimensions (W x H x D): 255 mm x 165 mm x 55 mm

002-452-002

## IDR6-A active repeater for NF3000 panels



Active repeater, displays all alarm and fault messages on the LCD. Includes function pushbuttons as mute buzzer, accept, evacuate, resound sounders and reset. 240 x 64 Graphic LCD and status indication leds. Includes text insert label kit (NL, FR).

### Specifications

- Dimensions (W x H x D): 255 mm x 165 mm x 55 mm

020-741

## IDR-CM compact mimic main board kit



Compatible with NF30/50 and NF3000 Panels. 16 outputs on board and up to 9 expansion boards (020-742) can be added (drive led's or relays), giving max. of 160 outputs. 5 led outputs (Power ok, Test, Gen. Fault, Disablement & Fire) and 6 inputs (Key switch, Evacuate, Mute Buzzer, Silence sounders Lamp test & Reset). Requires ext. 24Vdc Power source. For use with "local zones".

020-742

## IDR-CME mimic expansion board kit



Provides 16 LEDs or relays outputs. Up to 9 expansion boards can be daisy chained. Requires 020-741 IDR-CM Mimic main board. For use with "local zones".

020-573

## IDR-M mimic control PCA kit



Compatible with NF30/50 and NF3000 Panels. Mimic control PCA Kit. Supports up to 8 Mimic Drivers. Requires ext. 24Vdc Power source and min. one 020-574. Use the mimic driver configuration tool kit (020-613). For use with "network zones".

020-574

## IDR-MD MIMIC driver and terminal board kit



Mimic Driver and terminal board PCA Kit. Provides 64 LEDs or relays outputs and 8 inputs. Up to 8 Mimic Drivers can be daisy chained. Requires Mimic Control PCA Kit and external 24Vdc. Power source. For use with "network zones".



Please note that a specific training is needed for the installation of the below items.

**020-763****NF30/50 Gsm communication kit**

Allows events (Alarm, Fault, ..) to be sent over the GSM telephone network. Up to five phone numbers can be entered. The GSM interface needs a SIM Card.



Order antenna separately.

**020-764****Standard gsm modem antenna**

To connect directly on the communication module.

**020-765****Standard gsm modem antenna**

For mounting up to 10m from communication module.

**020-768****Window mount remote gsm modem antenna kit**

For mounting up to 3,25m from communication module.

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## Espa Interfaces

### NF3K-ESPA4.4.4

### Espa Interface for NF3000



- Makes it possible to connect on a NF3000 a paging system via a serial connection.
- Uses the standard Espa444 protocol/ Third party version 11.
- Windows configuration software.
- Free programmable on site.
- Serial interface including 3 RS232 serial communication ports.
- Filter by group of event: fire, VIP, technical alarm, pre alarm, and fault.
- Each group may assign up to five groups of pager or five pagers.
- Vds Option.
- Available in 4 languages (French, Dutch, English, German)
- The settings of the 2 communication ports are free programmable.
- The messages sent to the pager system are free programmable.
- Filter by zone.
- Text by event.
- Message lenght.
- Message (panel, loop, device, module, network zone, reference).
- Possibility to load and download the configuration.
- Status led Rx/Tx for each communication port.
- There is a constantly monitoring of the communication between the NF3000 and the ESPA4.4.4. If the communication fails a communication fault appears on the NF3000.
- Set includes a communication interface with 3 serial RS232 port, a converter 24/5 VDC, a configuration lead and a Cd-rom with the installation manual and software.

The NF3k-ESPA4.4.4 is an interface which must be connected to a RS232 isolated port of a NF3000 fire panel and so either in a “stand alone” or network configuration and uses the “third party protocol” version 11 “full duplex” to send out all the panel information’s to a pager system. The protocol used to communicate with the paging system is the standard Espa444 protocol. A configuration software, easy to use is provided with each interface to be able to configure on site all the settings and the messages to display on the pagers.

An Espa444 test software is also available in option to test in a first time the compatibility between the interface and the pager system and afterwards to test or verify the communication between the interface and the paging system.

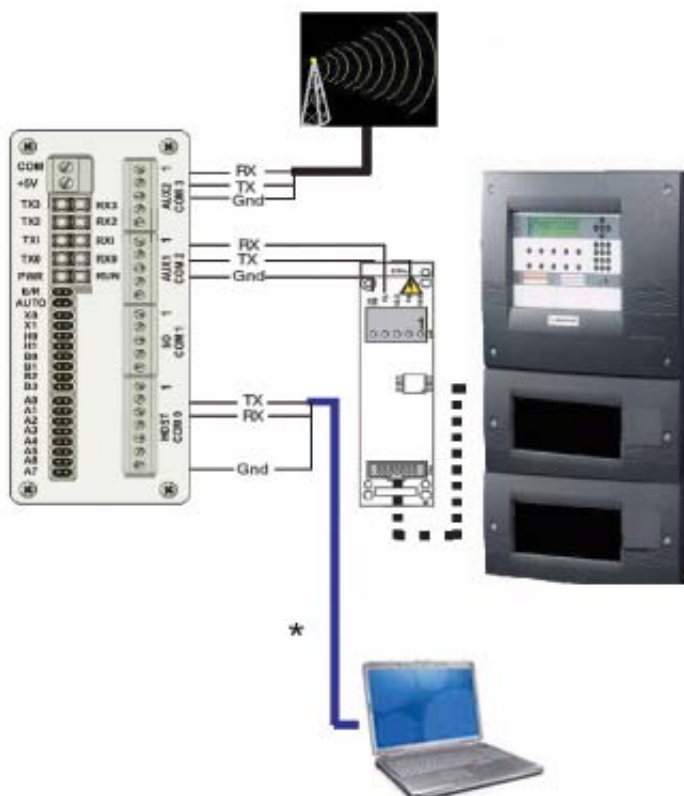
### Specifications

#### Interface:

- |                           |                                |
|---------------------------|--------------------------------|
| • Dimensions (W x H x D): | 124,4 mm x 50,8 mm x 121,84 mm |
| • Operating temperature:  | 0° to 70°C                     |
| • Relative humidity:      | 5% to 95% (non condensing)     |
| • Input voltage:          | 5 volts DC                     |
| • Power consumption:      | +/- 125 mA                     |

#### Converter 24V/5Vdc:

- |                           |                             |
|---------------------------|-----------------------------|
| • Dimensions (W x H x D): | 97 mm x 36 mm x 99 mm       |
| • Operating temperature:  | -10° to 60°C                |
| • Relative humidity:      | 20% to 90% (non condensing) |
| • Input voltage:          | 19 to 36 volts DC           |
| • Output voltage:         | 5 volts DC +/- 2%           |
| • Max.current:            | 5A                          |



9102.1322

**Light universal Espa444 interface for the NF30/50 and NF3000**

This interface has two RS232 communication ports to connect the NF30/50 and NF3000 Notifier fire panel to a Pager system using the Standard Espa444 protocol.

Both RS232 communication are constantly monitored.

This interface is delivered with an USB programming cable and a Configuration software.

**Specifications**

- |                            |                        |
|----------------------------|------------------------|
| • Operating voltage range: | 9V to 30V DC           |
| • Power consumption:       | 40 mA at 24v DC        |
| • Dimensions:              | 94 mm x 180 mm x 57 mm |

IS-OPC-NID3000

**NF3000 Opc server**

This gateway allows monitoring the points of the Notifier panels from any SCADA or monitoring software with the OPC client driver.

Through the user interface, it is allowed to simulate the status of the OPC items without the need to be physically connected to the panel.

IBOX-NBF-NID3000

**NF3000 Modbus gateway**

This gateway allows to integrate the Notifier panels through MODBUS protocol. The gateway acts as a MODBUS slave device.

Commands toward the panel are allowed. Immediate response, operation based on events. DIN rail, wall or desktop mounting.

Power from 9 to 30Vdc (Power supply included).

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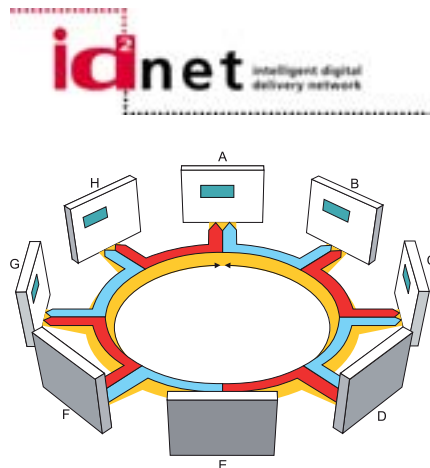
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ID<sup>2</sup>net Peer to Peer Network

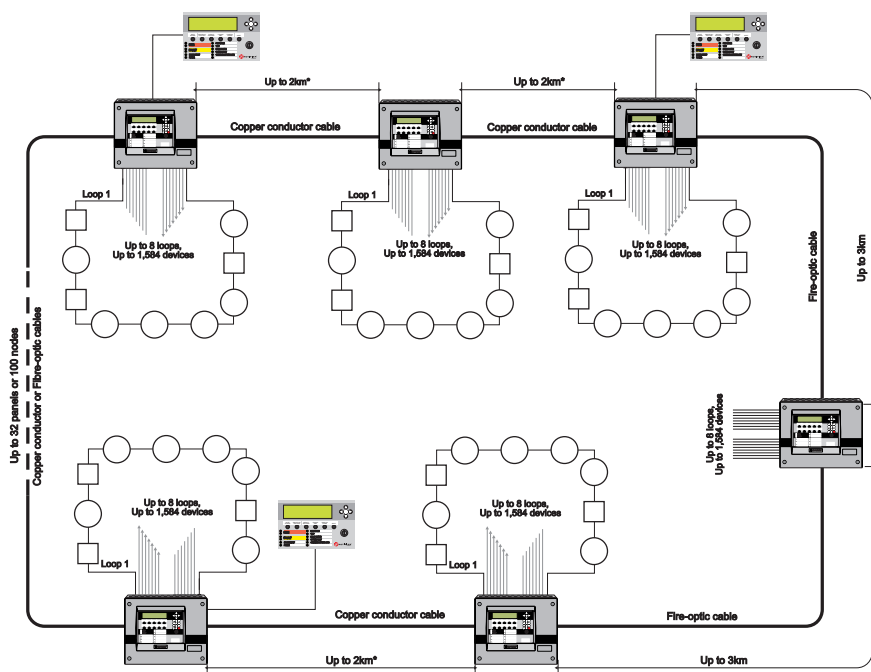
The ID<sup>2</sup>net Network is designed to be installed in the Notifier NF3000 intelligent Fire Alarm Panel – a modular 2 to 8 loop panel with a capacity of 198 intelligent devices per loop. A full range of intelligent sensors, advanced detection products, input and output devices, repeaters, mimic drivers and other peripherals is available to complement the NF3000.

The ID<sup>2</sup>net works without adding task to the attached fire panels and peripherals. In fact, since the panels are relieved of all networking responsibilities, they perform faster and become 100% fully dedicated to advanced alarm detection and alarm processing.

Each network gateway module on the ID<sup>2</sup>net has a powerful on-board microprocessor responsible for network integrity, including fault detection, message integrity, priority messaging, supervision, confirmed delivery messaging, high speed transfer and diagnostics.

The core network communications mechanism of ID<sup>2</sup>net is based on ARCNET® technology, which provides a proprietary Invitation-to-Transmit (ITT) or 'token-passing', non-collision based protocol. Multitoken passing ensures that all nodes have the same status on the network and all may communicate virtually simultaneously. There is no need for important messages to be held back; and once a message is on the network the ID<sup>2</sup>net ensures it is delivered. Although a single node may temporarily have sole authority to transmit between node pairs, no one node is allowed to functional description dominate the network. Message length is also limited, to prevent clutter and to facilitate high speed transmission.

- Designed to exceed EN54 part 13
- "True" Peer to Peer performance
- Independent intelligence via on-board microprocessor
- Ultra High Speed Digital Communications
- Unique confirmed delivery messaging
- 100%, Fully supervised
- Multiple token, non-collision based architecture
- Integral, built-in diagnostics with PC Sniffer Tool
- On site installation/debugging facilities
- Full network transmission analysis
- Fault tolerance/detection per node
- Open circuits
- Short circuits
- Earth faults
- Anti-jam & anti-noise protection
- Priority messaging
- Predictable speeds regardless of network size
- Compatible with most cable types
- Up to 170 km wire cabling
- Fibre optic option module
- Up to 300 km fibre optic cabling
- Mix and match wire/fibre
- "Cable Booster" doubles node to node distance
- 32 panels and 100 nodes per network (1st Release)
- 50,688 intelligent points
- 8,160 zones
- "Virtual" front panel
- Sub-networking fall back operation
- "Peace of Mind" extended degrade mode
- On board diagnostic LED's
- On board monitored power input



020-647

**ID<sup>2</sup>NET (NGM) Network gateway module (P2P)**

For use with ID<sup>2</sup>NET. 1 NGM.  
 Required per NF3000 intelligent fire alarm panel.  
 Requires Eprom version 4.xx.

020-643

**Dual Port Fibre Optic Interface for multi mode fibre**

The fibre optic interface PCB plugs directly into the NGM via a ribbon cable.  
 Two ports are available for fibre optic communication (left & right channel).

TCF-142-S

**Single port fibre optic interface for single mode fibre**

TCF-142-S is used to connect repeaters over long distance on fibre optic cables. Requires a RS485 interface.

**Specifications**

- |                                 |                            |
|---------------------------------|----------------------------|
| • Operating temperature:        | -40°C to +75°C             |
| • Dimensions:                   | 100 mm x 22 mm x 67 mm     |
| • Storage Temperature:          | -40 to 85°C (-40 to 185°F) |
| • Humidity:                     | 5 to 95% RH                |
| • Input Power Voltage:          | 12 to 48 Vdc               |
| • Fiber communication distance: | 20km                       |

002-467

**Network gateway unit (NGU)**

NF3000 Peer to Peer Network Gateway with enclosure, network card, DC/DC converter.

Options (not included):  
 - PSU-3A power supply unit  
 - 020-643 Dual port fibre optic interface  
 - Batteries (2 x 12Ah)

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## NFXI Series - Intelligent OPAL detectors with advanced protocol



The OPAL detectors have two integral tri-colour LEDs that provide 360° local visual indication of the device status. The LEDs are programmable with static or blinking red, amber and green status indications available. All OPAL detectors are environmentally friendly and meet the WEEE and RoHS legislative requirements, minimising end of life disposal costs, and are mechanically and electrically backwards compatible with existing devices.

- New mechanical platform with revolutionary chamber offering 3 doors:
  - Improved false alarm immunity
  - Improved detection across multiple fire types
  - Improved resilience to false alarms through dust reduced risk of false alarms through insects
- Includes advanced protocol
- Standard short circuit isolator with status control using the Advanced protocol
- Tri colour LED offering red, green and amber colour
- Rotary decade address switches 0 - 159
- Pure white colour to complement modern buildings
- 100% mechanical and electrical backwards compatibility
- New base design to complement the detector

### Specifications

• Max Wire Gauge for Terminals:	2.5mm <sup>2</sup>
• Colour:	Pure white
• Material:	PC/ABS
• Operating voltage range:	15 to 28.5VDC
• Isolation Current:	15mA at 24VDC
• Maximum continuous current:	1A (Switch closed)
• Temperature range:	-30°C to +70°C
• Humidity:	10 to 93% relative humidity (non-condensing)
• Approved to:	EN54

## Pure white

### NFXI-OPT

### Optical OPAL detector with isolator



The NFXI-OPT photoelectric smoke detector has a completely new detection chamber design, the result of many years of research and development. This delivers improved responsiveness, reduced sensitivity changes caused by settling dust and reduced false alarms resulting from insect ingress and other debris. The plug-in unit uses sophisticated processing circuitry that incorporates smoothing filters to help eliminate transient environmental noise conditions that can be the cause of unwanted alarms. The devices are managed by embedded software running complex algorithms that further improve resilience to false alarms and improve detection speed.

The NFXI-OPT has two integral tri-colour LEDs that provide 360° local visual indication of the device status. The LEDs are programmable with static or blinking red, amber and green status indications available.

### Specifications

• Weight:	97g (base inc)
• Dimensions (Ø x h):	102 mm x 43 mm in base B501AP
• Approved to:	EN54-7, EN54-5

**CPD number: 0786-CPD-20640**

## NFXI-TDIFF

### Thermal OPAL detector - rate of rise, with isolator



The NFXI-TDIFF uses the same thermistor and microprocessor technology to provide an alarm when the rate of rise in temperature exceeds 10°C/minute (typical) or if the temperature exceeds a threshold of 58°C (Response Class A1R). With the implementation of the Advanced Protocol, any model can be software configured to be either a fixed 58°, a fixed 78° unit or a 58° with rate of rise device. For backwards compatibility and approval continuity, three separate versions continue to be available as separate part numbers.

#### Specifications

- Weight: 88g (without base)
- Dimensions (Ø x h): 102 mm x 61 mm in base B501AP
- Approved to: EN54-5. Clase A1S

**CPD number: 0786-CPD-2064**

## NFXI-TFIX58

### Thermal OPAL detector - 58°C fix, with isolator



The NFXI-TFIX58 is fixed temperature intelligent sensors employing low mass thermistors and microprocessor technology for fast response and linear temperature sensing. Their linear response allows these sensors to be used to signal temperatures over the range of 58°C (Class A1S) to 78°C (Class BS).

#### Specifications

- Weight: 88g (without base)
- Dimensions (Ø x h): 102 mm x 61 mm in base B501AP
- Approved to: EN54-5. Clase A1S

**CPD number: 0786-CPD-20641**

## NFXI-TFIX78

### Thermal OPAL detector - 78°C fix, with isolator



The NFXI-TFIX78 is fixed temperature intelligent sensors employing low mass thermistors and microprocessor technology for fast response and linear temperature sensing. Their linear response allows these sensors to be used to signal temperatures over the range of 58°C (Class A1S) to 78°C (Class BS).

#### Specifications

- Weight: 88g (without base)
- Dimensions (Ø x h): 102 mm x 61 mm in base B501AP
- Approved to: EN54-5. Clase BS

**CPD number: 0786-CPD-20642**



## NFXI-SMT2

### Smart2 - OPAL multi-detector (O/T), with isolator



The multi-criteria multi-sensor NFXI-SMT2 Photo Thermal detector uses thermal assistance to the core photoelectric smoke detector to give enhanced false alarm immunity and faster response to a wide range of incipient fires. The plug-in unit combines two separate sensing elements that are managed by embedded software to act as a single unit. The NFXI-SMT2 conforms to EN54-5, a 58°C fixed temperature and rate of rise thermal assistance conforming to EN54-7. The thermal detection function combines thermistor technology with a software corrected linear temperature response.

#### Specifications

- Weight: 97g (base inc)
- Dimensions (Ø x h): 102 mm x 43 mm in base B501AP
- Approved to: EN54-7, EN54-5

**CPD number: 0786-CPD-20639**

## NFXI-SMT3

### Smart3 - OPAL multi-detector (O/T/IR), with isolator



The NFXI-SMT3 multi-criteria, multi-sensor Photo Thermal Infra Red (SMART3) detector is the environmentally friendly alternative to the ionisation detector, a technology that is now over sixty years old. The SMART3 offers comparable speed of response to the ionisation technology for a fast flaming fire and is less susceptible to false alarms. It can be deployed with confidence in locations where the main risk is from fast-developing flaming fires. SMART3 moves the goalposts in the fight against false alarms in the core detector space by delivering enhanced false alarm immunity. In addition to being an effective alternative to ionisation units, SMART3 offers better performance over the alternative technologies of dual angle or dual wavelength optical detectors and photo-thermal detectors.

#### Specifications

- Weight: 102g (base inc)
- Dimensions (Ø x h): 102 mm x 63 mm in base B501AP
- Approved to: EN54-7, EN54-5

**CPD number: 0786-CPD-20638**

## Detector Series for Retrofit & Black Ceilings



- New mechanical platform with revolutionary chamber offering:
  - Improved false alarm immunity
  - Improved detection across multiple fire types
  - Improved resilience to false alarms through dust reduced risk of false alarms through insects
- Includes advanced protocol
- Available without short circuit isolator.
- Tri colour LED offering red, green and amber colour
- Rotary decade address switches
- Ivory colour to complement with retrofit installations using ivory bases and detectors.
- 100% mechanical and electrical backwards compatibility

The OPAL photoelectric smoke detector has a completely new detection chamber design, the result of many years of research and development. This delivers improved responsiveness, reduced sensitivity changes caused by settling dust and reduced false alarms resulting from insect ingress and other debris. The plug-in unit uses sophisticated processing circuitry that incorporates smoothing filters to help eliminate transient environmental noise conditions that can be the cause of unwanted alarms. The devices are managed by embedded software running complex algorithms that further improve resilience to false alarms and improve detection speed.

The OPAL detectors have two integral tri-colour LEDs that provide 360° local visual indication of the device status. The LEDs are programmable with static or blinking red, amber and green status indications available. All OPAL detectors are environmentally friendly and meet the WEEE and RoHS legislative requirements, minimising end of life disposal costs, and are mechanically and electrically backwards compatible with existing devices.

### Specifications

• Max Wire Gauge for Terminals:	2.5mm <sup>2</sup>
• Colour:	Pure white
• Material:	PC/ABS
• Operating voltage range:	15 to 28.5VDC
• Isolation Current:	15mA at 24VDC
• Maximum continuous current:	1A (Switch closed)
• Temperature range:	-30°C to +70°C
• Humidity:	10 to 93% relative humidity (non-condensing)
• Approved to:	EN54

## Ivory

<b>NFX-OPT-IV</b>	<b>Optical OPAL detector</b>
<b>NFX-TFIX58-IV</b>	<b>Thermal OPAL detector - 58°C fix</b>
<b>NFX-TFIX78-IV</b>	<b>Thermal OPAL detector - 78°C fix</b>
<b>NFX-TDIFF-IV</b>	<b>Thermal OPAL detector - rate of rise (58°C-10°C/min)</b>
<b>NFX-SMT2-IV</b>	<b>SMART2 - OPAL multi-detector (O/T)</b>
<b>NFX-SMT3-IV</b>	<b>SMART3 - OPAL multi-detector (O/T/IR)</b>

## Black

<b>NFXI-OPT-BK</b>	<b>Optical OPAL detector with isolator</b>
<b>NFXI-TDIFF-BK</b>	<b>Thermal OPAL detector - rate of rise , with isolator</b>
<b>NFXI-SMT2-BK</b>	<b>SMART2 - OPAL multi-detector (O/T), with isolator</b>

SMART4 - Intelligent multi criteria detector



- Unique, true four sensor Multi-criteria detector.
- Fully integrated Infra Red sensor to support the fire alarm decision.
- CO gas sensing for fastest response to slow developing and smouldering fires.
- Highest possible immunity to unwanted alarms.
- Automatic drift compensation of smoke sensor and CO cell.
- Twin LED indicators providing 360° visibility
- Wide temperature range.
- Built in test switch
- Stable communication with high noise immunity

The SMART4 combines 4 separate sensing elements to act as a single unit. CO sensing (using EC technology) for monitoring CO products from a smouldering fire, IR sensing for measuring ambient light levels and flame signatures, optical smoke detection and heat detection.

The integration of continual monitoring for all four major elements of a fire has enabled us to create a detector that responds far more quickly to an actual fire and has the highest immunity to nuisances. The operating philosophy behind SMART4 was to configure it so that it normally operates at a high immunity level, changing to become very sensitive to fires when fire characteristics are sensed. In this way transient nuisances are monitored and ignored, reducing the false alarm rate.

SMART4 is managed by on-board intelligence running some very advanced algorithms, which dynamically adjust the detection profile of the device in response to the input from the sensors, enabling it to be re-characterised on the fly as the ambient conditions change. Based upon the sensor signals, the program is dynamically changing sensor thresholds, changing sensor gain, changing time delays, changing combination, changing sampling rates, changing averaging rates and, if any sensor fails, changing sensitivity of the remaining sensors as well as indicating a fault condition.

The IR light sensor helps the detector recognise specific situations such as welding and makes adjustments rapidly in order to further reduce the potential for false alarms caused by nuisances.

Specifications

• Height:	66 mm installed in B501 base
• Diameter:	102 mm installed in B501 base
• Weight:	176g (inc base)
• Max Wire Gauge for Terminals:	2.5mm <sup>2</sup>
• Material:	BayblendFR110
• Temperature range:	-20°C to +55°C
• Humidity:	15 to 90% relative humidity (non-condensing)
• CO limits:	0-500ppm

CPD number: 0832-CPD-0527

IRX-751CTEM-WH	SMART 4 - Intelligent multi criteria detector - Pure White
IRX-751CTEM-IV	SMART 4 - Intelligent multi criteria detector - Ivory

VIEW™ detection - Intelligent High Sensitive Laser Detector



- Very Intelligent Early Warning (VIEW™) smoke detection
- Alternative to Aspiration Systems
- Advanced laser light source and patented optical design
- Sleek low profile design
- Intelligent communications
- Stable communication technical with high noise immunity
- Pre-Alarm sensitivity to 0.07%/ m & alarm sensitivity to 0.1%/m
- Low standby current
- Rotary decade 01 to 99 address switches
- Dual LED design provides 360° viewing angle.
- Visible Two-colour LEDs blink green when the sensor is addressed (optional), steady red for alarm
- Built-in functional test switch activated by external magnet
- Optional relay, isolator, or sounder bases
- LPCB, VDS and BOSEC

The FSL-751E is an intelligent, low profile high sensitivity smoke sensor designed for use with Notifier intelligent fire alarm control panels. The unique design of this sensor uses an extremely bright, tightly focused laser diode, with special lens and mirror optics, combined with enhanced AWACS™ algorithms in the Notifier fire control panel, to achieve a signal-to-noise ratio allowing smoke detection sensitivity up to 50 times greater than traditional photoelectric technology. In addition, the light beam and algorithms, allow the system to differentiate between dust and smoke particles.

Using these algorithms, the VIEW™ system provides drift compensation, three levels of maintenance alert, selection of nine alarm levels and nine pre-alarm levels. The system includes a self-learn sensitivity adjustment to set the pre-alarm level just above the peak levels sensed over extended periods for each sensor's actual environment. Multiple sensor algorithms permit the control equipment to consider readings from up to six sensors in an area to provide faster detection of incipient fires. The AWACS™ algorithm also includes the ability to add reference sensors, such that smoke particles in the incoming air supply to an area can be compensated for further reducing the possibility of unwanted alarm.

Using a point type intelligent sensor, the VIEW™ system inherently does not have transit times from sensing points to a detector, delaying the sensing of a fire condition and since it does not rely on a single sensor for the room, no dilution can occur. A point sensor also enables the control panel to provide the operator with a pinpoint description of where the fire is located rather than a room alarm.

Specifications

• Height:	43mm installed in B501AP base
• Diameter:	104mm installed in B501AP base
• Weight:	102g (inc base)
• Operating voltage range:	15 to 32VDC
• Temperature range:	-10°C to +60°C
• Humidity:	10 to 93% relative humidity (non-condensing)
• Maximum Alarm Current:	6.5 mA @ 24VDC (with LED enabled)
• Current consumption:	-230 mA @ 24 VDC (without communication), -255 mA @ 24 VDC (one comm. every 5 sec. with LED enabled).

CPD number: 0832-CPD-0194

FSL-751E Intelligent high sensitive laser sensor - Ivory

## Intelligent Detector Accessories

## Pure white

## B501AP

## Standard mounting base



- Rugged industrial construction
- Electronic free base allowing cabling to be tested for continuity prior to the installation of the sensors
- Compact stylish design
- Easy plug in the head of base
- Tamper proof feature
- SEMS screws for easy wiring

Standard mounting base for intelligent NFXI Series detectors.  
Contains address tag.

## Specifications

- |                                |   |
|--------------------------------|---|
| • Dimensions (Ø x h):          | 102 mm x 22.5 mm                              |
| • Operating temperature range: | -10°C to +60°C                                |
| • Operating humidity range:    | 10% to 93% relative humidity (non-condensing) |
| • Operating voltage:           | 15 to 32 VDC                                  |

## B524HTR-WH


## Heated base



Standard base with heater, compatible with the NFXI series.  
Rises the temperature of the detector to avoid condensation in the detection room.

## Specifications

- |                                |   |
|--------------------------------|---|
| • Dimensions (Ø x h):          | 102 mm x 26 mm                                |
| • Operating temperature range: | -10°C to +60°C                                |
| • Operating humidity range:    | 10% to 93% relative humidity (non-condensing) |
| • Operating voltage:           | 15 to 28.5 VDC                                |
| • Standby Current:             | Max 100µA                                     |
| • Maximum cable size:          | 2.5mm²  |

 Requires 24Vdc power supply.

## B524RTE-WH

## Mounting base with relay



Deep intelligent sensor base with built in relay.

## Specifications

- |                       |                |
|-----------------------|----------------|
| • Dimensions (Ø x h): | 102 mm x 36 mm |
|-----------------------|----------------|

## Ivory

## B501AP-IV

## Standard mounting base

## B524IEFT-1

## Mounting base with fet isolator

## B524HTR

## Heated base

## B524RTE

## Mounting base with relay

Black

B501AP-BK	Standard mounting base
B524IEFT-1B	Mounting base with fet isolator

Accessories

RMK400AP	Recess mounting kit
----------	---------------------



For suspended and drywall ceilings. For use with B501AP base.

<b>Specifications</b>	
• Weight:	100g
• Diameter:	Ø internal 103 mm Ø exterior 143,5 mm
• Material:	PC/ABS Pure white

SMK400EAP	Surface mounting kit
-----------	----------------------



Provides for entry of surface wiring conduit. For use with standard B501AP base.

<b>Specifications</b>	
• Weight:	55g
• Dimensions (Ø x h):	102 mm x 34 mm
• Material:	PC/ABS Pure White

WB-1AP	Wet base shroud
--------	-----------------



Adapter base enclosure for humid environments. For use with standard B501AP base.  
Three mounting options are possible: surface mounting, cable mounting and pendant mounting.

<b>Specifications</b>	
• Weight:	200g
• Dimensions (Ø x h):	110 mm x 69 mm
• Material:	PC/ABS Pure white

IBS-LIDW	Base cover for B501AP & ABS base sounders (pack of 10)
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## Ivory

RMK400AP-IV

Recess mounting kit

SMK400EAP-IV

Surface mounting kit

WB-1AP-IV

Wet base shroud

IBS-LIDDW

Base cover for B501AP-IV, B401 &amp; ABS base sounders (pack of 10)

## Remote indicators

IRK-2E

LED Remote indicator



Typical applications:

- All rooms permanently locked (boiler rooms, computer rooms, cupboards,...)
- Health buildings
- Make easier the building security management (faster alarm location)

The remote indicator lamp has been designed for direct connection to all Notifier fire detectors. It provides a visual alarm indication of the room in which the detector is installed.

## Specifications

- |                           |                       |
|---------------------------|-----------------------|
| • Dimensions (h x w x d): | 80 mm x 80 mm x 25 mm |
| • Protection index:       | IP40                  |
| • Terminals:              | Screw                 |
| • Maximum wire section:   | 1.5mm <sup>2</sup>    |
| • Operating temperature:  | -10°C to +70°C        |
| • Voltage range:          | 2,5 to 30 VDC         |
| • Maximum current:        | 15mA                  |
| • Weight:                 | 40g                   |
| • Maximum cable size:     | 2.5mm <sup>2</sup>    |



Note: Supply voltage must not exceed 3,5 VDC without limiting resistor. Above this, a serial resistor must be provided with no less than 40 Ohm per Volt (usually inside the detector).

IRK-E-SI

LED Remote indicator



Surface mounted with the supplied mounting box.  
Led's will not blink in normal mode on intelligent systems.

IRK-W-1224

Waterproof remote indicator



Led based technology. Surface mounted.  
LED will blink in normal mode on intelligent systems.

## Specifications

- |                  |          |
|------------------|----------|
| • IP rating:     | IP55     |
| • Voltage range: | 12-24Vdc |

Intelligent InnovairFLEX™ Duct Detectors

DNRE

Duct detector housing



24VDC operation. Air velocity rating from 0,5 m/s to 20,32 m/s.  
Includes DPDT Auxiliary Relay Contacts, Sounder output, remote LED output, remote test station & remote annunciator.  
Can be used as a part of fire detection system. Can be used to activate a local sounder and shutdown fans, blowers or airco systems, so preventing the spread of toxic smoke and fire gases through the protected area.  
Compatible with OPAL Series detectors.  
To be ordered separately: Detector & DST-xx Inlet Sampling Tube.

Specifications

- Dimensions (W x H x D): 370 mm x 127 mm x 63.5 mm
- Weight: 820g
- Operating temperature: -20°C to +70°C
- Non-condensing relative humidity: 0% to 95%

Accessories for InnovairFLEX™

 Requires inlet sampling tube as listed below.

DST-1

Inlet sampling tube



Specifications

- Diameter: 18 mm
- Length: 30 cm

DST-1.5

Inlet sampling tube



Specifications

- Diameter: 18 mm
- Length: 45,7cm

DST-3

Inlet sampling tube



Specifications

- Diameter: 18 mm
- Length: 91,6 cm

DST-5

Inlet sampling tube



Specifications

- Diameter: 18 mm
- Length: 152 cm



## DST-10

### Inlet sampling tube



#### Specifications


- Diameter: 18 mm
- Length: 325,5 cm

## RTS151

### Remote Test Station



Proof remote station for DNRE and D2E.


 24Vdc external power supply is required, according to EN54-4.

## RTS151KEY

### Remote Test Station with key



Proof remote station for DNRE and D2E with key.

 24Vdc external power supply is required, according to EN54-4.

## RA100Z

### Remote Annunciator



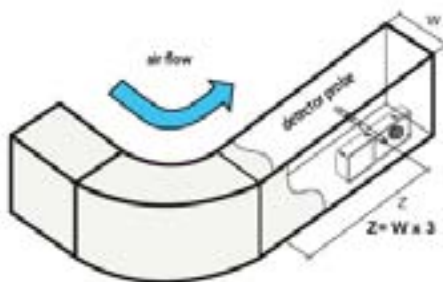
Remote indicator with LED for DNRE and D2E.

## 503E

### Plastic mounting box



Plastic housing for recess mounting of RTS151(key) or RA100Z station.



Intelligent Beam Detectors

Clip Protocol Intelligent Beam Detectors - LPB-700(-T)



- Combined transmitter and receiver unit
- Connects directly to the intelligent loop
- Range 10-100 metres
- 4 fixed sensitivity/threshold adjustment
- 2 automatic variable sensitivity modes
- Numerical indicators to aid beam alignment
- Fault and alarm LED indicators
- Integral horizontal and vertical beam alignment
- Drift compensation
- Approved to EN54-12
- Unique servo operated test filter (LPB-700T)

The LPB-700 and LPB700T are intelligent reflector type linear optical beam smoke detectors designed to operate as a component of an intelligent fire alarm system. It operates primarily on the principle of light obscuration utilising infra-red light. Optical beam smoke detectors are particularly appropriate for protecting buildings with large open spaces such as warehouses, atriums etc.

The LPB-700 and LPB700T detectors are combined transmitter/receiver units, which can be directly connected to an intelligent loop without the need of a separate local power supply (LPB700T requires 24Vdc @ 0.5A when using the servo test feature). The Infra-Red transmitter generates a beam of light towards a high efficiency reflector. The reflector returns the beam to the receiver where an analysis of the received signal is made. The change in the strength of the received signal is used to determine the alarm condition.

Specifications

- |                                    |   |
|------------------------------------|---|
| • Weight:                          | 1.77kg  |
| • Detector dimensions (W x H x D): | 90 mm x 254 mm x 84 mm  |
| • Reflector dimensions (W x H):    | 200 mm x 230 mm   |
| • Current consumption:             | - Typical Standby: 2mA @ 24Vdc (No communications, LED off)<br>- Max. Alarm Current (LED on): 8.5mA |
| • Operating voltage range:         | 15 to 32Vdc (24Vdc Nominal)   |
| • Operating Temperature Range:     | -30°C to +55°C  |
| • IP Rating:                       | IP54  |
| • Humidity:                        | 0% to 95%, non condensing relative humidity   |

LPB-700

100m addr. reflective IR beam detector

Short range reflector (5-70m) included.

LPB-700T

100m addr. reflective IR beam detector with self test tool

Same as LPB-700 with servo motored test tool.

Advanced Protocol Intelligent Beam Detectors - NFXI-BEAM(-T)

The NFXI-BEAM(-T) intelligent beam detector will be available soon, and will replace directly the LPB-700(-T). The NFXI-BEAM(-T) uses the Advanced Protocol and contains a short-circuit isolator.

NFXI-BEAM

100m addr. reflective IR beam detector

Short range reflector (5-70m) included.

NFXI-BEAM-T

100m addr. reflective IR beam detector with self test tool

Same as NFXI-BEAM with servo motored test tool.


Intelligent Beam Detector Accessories

BEAM-LRK Long-range reflector (70m-100m)




BEAM-SMK Surface mounting box



 Absolutely needed when using the mounting Bracket kit.


BEAM-MMK Mounting bracket - swivel type



 Must be used together with surface mounting box BEAM-SMK.

BEAM-HK Heater kit for beam detector




 To avoid condensation problems when used in non heated rooms.

Specifications

- Voltage: 15 to 32V
- Current: 92mA max at 32V
- Power consumption: - nominal: 1.6W at 24V  
- maximum: 3W at 32V

BEAM-HKR Heater kit for reflector



 To avoid condensation problems when used in non heated rooms.

Specifications

- Voltage: 15 to 32V
- Current: 450mA max at 32V
- Power consumption: - nominal: 7.7W at 24V  
- maximum: 15W at 32V

6500RTS-KEY Remote test key switch



Fire and Fault indication.  
Test and reset functions.

Specifications

- Weight: 200g
- Color: White

Intelligent Call Points

Indoor (IP24)



- Unique ‘Plug & Play’ installation concept
- Re-settable operating element option
- Intelligent communications
- Semi-Flush or surface mounting
- Fully compliant with EN54, Part 11
- Backward compatibility
- Enhanced aesthetics
- Integral LED
- Integral loop isolation option

M700KACI, with an integrated isolator, is designed to provide a manual alarm interface to Notifier’s fire alarm control panel. Installation efficiency, flexibility and compliance with the latest standards are at the heart of the call point range.

The unique ‘plug and play’ concept is designed specifically to reduce installation time by using a terminal block which can be wired during the initial installation cabling with a link (P102) to provide continuity for testing. During the commissioning phase, the links are removed and the terminal block is simply inserted into the connector at the back of the unit. No re-termination is required.

Both break glass, supplied, and resettable operating elements (PS230) can be used in the standard unit. Operation of the re-settable element, as well as being indicated by the units LED, is also indicated by a yellow strip on the element which becomes visible when activated. With the addition of a hinged transparent cover (PS200) the element may be protected against accidental operation and may be further protected by using a cover seal (PS056) which requires breaking in order to operate the unit.

The call point uses one of 99 possible addresses which is simply ‘dialed in’ using the two rotary decade switches on the rear of the unit. A specialist test key may be inserted into the bottom of the unit to lower the glass and release the micro-switch and thus a full functional test is achieved.

Specifications	
• Weight:	Flush: 110g / Surface: 160g
• Dimensions (W x H x D):	- Semi-flush mounting: 89 mm x 93 mm x 27.5 mm
	- Surface mounting: 89 mm x 93 mm x 59.5 mm
• Operating temperature:	-30°C to +70°C
• Non-condensing relative humidity:	0% to 95%
• Ingress Protection (IP) Rating:	IP24
• CPD number:	0832-CPD-0702

Red colour

M700KACI-FG	MCP Flush with break glass element & isolator
	Includes break glass & short-circuit Isolator.
M700KACI-FF	MCP Flush with flexible element & isolator
	Includes flexible operating element & short-circuit Isolator.



## Other colours



Standards labels for the NOT RED MCP are:

- Operating Element label: EN54-11 'dot & arrows'
- Function label: Plain color
- For other labels, please order specific foil additionally.



x= color code / Y = yellow / G = green / B = blue / W = white

**M700KACI-FG-x**

**MCP Flush with break glass element & isolator**

Includes break glass and short-circuit isolator.

**M700KACI-FF-x**

**MCP Flush with flexible element & isolator**

Includes flexible operating element and short-circuit isolator.

## Water resistant (IP67)



CPD number: 0832-CPD-0892

## Red colour

**M700WCP-R-I-SG**

**MCP Surface with break glass element & isolator**

Includes surface mounting box, flex. op. element & short circuit isolator.

**M700WCP-R-I-SF**

**MCP Surface with flexible element & isolator**

Includes surface mounting box, flex. op. element & short circuit isolator.

## Other colours



Standards labels for the NOT RED MCP are:

- Operating Element label: EN54-11 'dot & arrows'
- Function label: Plain color
- For other labels, please order specific foil additionally.



x= color code / Y = yellow / G = green / B = blue / W = white

**M700WCP-x-I-SG**

**MCP Surface with break glass element & isolator**

Includes surface mounting box, break glass & short circuit isolator.

**M700WCP-x-I-SF**

**MCP Surface with flexible element & isolator**

Includes surface mounting box, flex. op. element & short circuit isolator.

## M700KAC Intelligent Call Point Accessories

### Surface Mounting boxes



Replace x in the Part Number by one of the below mentioned by a color codes.

Y = yellow; G = green; B = blue; W = white



Not compatible with DIN series

**SR1T**

**Surface mounting box red**

**Sx1T**

**Surface mounting box other color**

### Accessories

**KG1 X 10**

**EN54 break glass for M700 call points (Pack of 10)**

**PS230**

**EN54 flexible OP. elements for M700 call point (pack of 10)**

**PS241**

**1 Notifier branded flexible element**

**G41293**

**Pack of 50 Notifier branded glasses**

**PS200**

**Transparent protective hinged cover**

**SC070**

**Spare test keys (pack of 10)**

**SC071**

**Terminal blocks (pack of 20)**

**KL1 X 5**

**Earth continuity links (pack of 5)**

**BZR2**

**Red bezel for flush installation**

### DIN Series Call Points

**NFXI-DKMR**

**DIN class B call point with isolator - red**



With symbol "Burning House".

Setting by push button or by a programming adapter kit BK200-X.

Without key.

**VDS approved: G205067**

**NFXI-DKMB**

**DIN class B call point with isolator - blue**



With TEXT "HAUSALARM".

Setting by push button or by a programming adapter kit BK200-X.

Without key.

**VDS approved: G205067**


## DIN Series Accessories

BK200-X Programming adapter for DKM call point

PG30PLC-KEY Key for DKM call point

PS241 Spare break glass for DKM call point

## Foil with labels for Call Points & Switches

 Each foil contains 48 labels.

MCP-LABEL F 007 Foil with 'PLAIN RED' labels



MCP-LABEL F 010 Foil with 'BRAND FEU' labels (black on red)



MCP-LABEL F 028 Foil with 'ALARME INCENDIE' labels (black on red)



MCP-LABEL F 056 Foil with 'BRAND FEU' labels (black on yellow)



MCP-LABEL F 081 Foil with 'FEU' LABELS (black on yellow)



MCP-LABEL F 082 Foil with 'BLUSKNOP' labels (black on yellow)



MCP-LABEL F 014 Foil with 'BRAND' labels (black on red)



MCP-LABEL F 103 Foil with 'GASBLUSSING' labels (black on yellow)



MCP-LABEL F 108 Foil with 'ALARME EVACUATION' labels (white on red)



MCP-LABEL F 120 Foil with 'BRAND ALARM' labels (black on red)



MCP-LABEL F 138

Foil with 'ALERTE INCENDIE' labels (black on red)



MCP-LABEL F 141

Foil with 'BRAND' labels (black on yellow)



MCP-LABEL F 217

Foil with 'EXTINCTION' labels (black on yellow)



MCP-LABEL F 218

Foil with 'RUNNING MAN' labels (white on green)



MCP-LABEL F 220

Foil with 'BIJ NOOD DEUR OPEN' labels (white on blue)



MCP-LABEL F 222

Foil with 'EN54 BURNING HOUSE' labels (white on red)



MCP-LABEL F 228

Foil with 'DEUR ONGRENDELING' labels (white on blue)



MCP-LABEL F 235

Foil with 'ALERTE WAARSCHUWING' labels (black on red)



MCP-LABEL F 244

Foil with 'UITSTEL BLUSSING' labels (white on blue)



1

2

3

4

5

6

7

## M700 Series



The M700 series modules is designed for use with any Notifier protocol fire alarm control panel and includes selectable loop isolation in every device.

- Intelligent communications
- Built-in type identification automatically identifies these devices to the control panel (not M700X)
- Stable communication technique with high noise immunity
- Rotary decade 01 to 159 address switches (not M700X)
- Common mounting options including Surface Mount, Panel Mount and DIN Rail Mount.
- Tri-colour LED's
- Powered directly by 2-wire loop. No additional power required (except M701)
- Plug-in terminal connections for ease of field wiring
- Approved to EN54-17/18

### M710

#### Single supervised input module



The M710 module monitors a single input device circuit of normally open dry contact alarm activation devices.

##### Specifications

- |                                     |  |
|-------------------------------------|--|
| • Dimensions (W x H x D):           | 94 mm x 93 mm x 23 mm  |
| • Weight:                           | 90g  |
| • Current consumption:              | - 310 $\mu$ A @ 24 VDC (without communication);<br>- 510 $\mu$ A @ 24 VDC (one comm. every 5 sec. with LED blink enabled). |
| • Operating voltage:                | 15 to 30VDC peak   |
| • Operating temperature:            | -20°C to +60°C   |
| • Non-condensing relative humidity: | 0% to 95%  |

**VdS number: G202160; CPD number: 0786-CPD-20342**

### M720

#### Double supervised input module



The M720 dual monitor module provides two supervised input device circuits of normally open dry contact alarm activation devices.

##### Specifications

- |                                     |  |
|-------------------------------------|--|
| • Dimensions (W x H x D):           | 94 mm x 93 mm x 23 mm  |
| • Weight:                           | 90g  |
| • Current consumption:              | - 340 $\mu$ A @ 24 VDC (without communication),<br>- 600 $\mu$ A @ 24 VDC (one comm. every 5 sec. with LED blink enabled). |
| • Operating voltage:                | 15 to 30VDC peak   |
| • Operating temperature:            | -20°C to +60°C   |
| • Non-condensing relative humidity: | 0% to 95%  |

**VdS number: G202160; CPD number: 0786-CPD-20342**

**M721****Double supervised input + single relay output**

In addition the M721 dual input, single relay output module, as well as providing two supervised inputs also provides a single change over relay output rated at 2A @30Vdc.

The M720 module uses two addresses and the M721 uses three addresses of 99 available module addresses on a loop and responds to regular polls from the control panel reporting its type and the status (open/normal/short) of their supervised device circuits.

**Specifications**

- Dimensions (W x H x D): 94 mm x 93 mm x 23 mm
- Weight: 102g
- Current consumption:
  - 340 µA @ 24 VDC (without communication),
  - 660 µA @ 24 VDC (one comm. every 5 sec. with LED blink enabled)
- Operating voltage: 15 to 30VDC peak
- Operating temperature: -20°C to +60°C
- Non-condensing relative humidity: 0% to 95%

**VdS number: G202159; CPD number: 0786-CPD-20343**

**M701****Single supervised output module**

The M701 control module provides a monitored single output circuit for use with polarised loads (sounder circuit) which requires a suitable power source (7Vdc - 30Vdc) for the connected load. Alternatively the same device may be placed in to an unsupervised mode which can then be used to control any switched load up to 2A @ 30Vdc.

**Specifications**

- Dimensions (W x H x D): 94 mm x 93 mm x 23 mm
- Weight: 102g
- Current consumption:
  - 310 µA @ 24 VDC (without communication);
  - 510 µA @ 24 VDC (one comm. every 5 sec. with LED blink enabled).
- Operating voltage: 15 to 30VDC peak
- Operating temperature: -20°C to +60°C
- Non-condensing relative humidity: 0% to 95%

**VdS number: G202161; CPD number: 0786-CPD-20341**

**M701-240****Single 240VAC/5A relay module**

The M701-240 provides two (1 x N.O. 1 x N.C.) 250Vac (nominal 230Vac), 5Amp contact outputs.

The M701-240 is provided complete with a surface mounting back box.

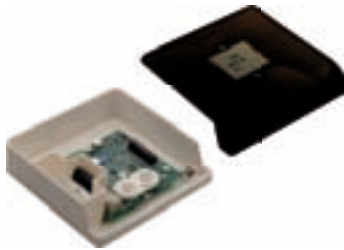
**Specifications**

- Dimensions (W x H x D): 94 mm x 93 mm x 23 mm
- Weight: 200g
- Current consumption:
  - 275 µA @ 24 VDC (without communication),
  - 445 µA @ 24 VDC (one comm. every 5 sec. with LED blink enabled)
- Operating voltage: 15 to 30VDC peak
- Operating temperature: -20°C to +60°C
- Non-condensing relative humidity: 0% to 95%

**CPD number: 0786-CPD-20341**

## M701-240 KO

### Single 240VAC/5A relay module (knock outs)



Wall mount with knockouts and rubber grommets, direct decade address entry and tri-colour LED's complete with built-in isolator.

#### Specifications

- Dimensions (W x H x D): 94 mm x 93 mm x 23 mm
- Weight: 200g
- Current consumption:
  - 275  $\mu$ A @ 24 VDC (without communication),
  - 445  $\mu$ A @ 24 VDC (one comm. every 5 sec. with LED blink enabled)
- Operating voltage: 15 to 30VDC peak
- Operating temperature: -20°C to +60°C
- Non-condensing relative humidity: 0% to 95%

**VdS number: G202161**

## M701-240-DIN

### Single 240VAC/5A relay module (din rail mounting)



The M701-240-DIN provide two (1 x N.O. 1 x N.C.) 250Vac (nominal 230Vac), 5Amp contact outputs.

Complete with DIN mounting enclosure, direct decade address entry and tri-colour LED's complete with built-in isolator.

#### Specifications

- Weight: 195g
- Current consumption:
  - 275  $\mu$ A @ 24 VDC (without communication),
  - 445  $\mu$ A @ 24 VDC (one comm. every 5 sec. with LED blink enabled)
- Operating voltage: 15 to 30VDC peak
- Operating temperature: -20°C to +60°C
- Non-condensing relative humidity: 0% to 95%

**VdS number: G202161; CPD number: 0786-CPD-20341**

## M700X

### Single isolator module



Complete with plug-in screw connections and tri-colour LED.

#### Specifications

- Dimensions (W x H x D): 94 mm x 93 mm x 23 mm
- Weight: 62g
- Current consumption: 200  $\mu$ A @ 24 VDC
- Operating voltage: 15 to 30VDC peak
- Operating temperature: -20°C to +60°C
- Non-condensing relative humidity: 0% to 95%

**VdS number: G202157; CPD number: 0786-CPD-20340**

## M710-CZR

## Conventional zone input module - resistive



Complete with end of line resistors, plug-in screw connections, direct decade address entry and tri-colour LED's complete with built-in isolator.

### Specifications

- Dimensions (W x H x D): 94 mm x 93 mm x 23 mm
- Weight: 90g
- Current consumption:
  - 310 µA @ 24 VDC (without communication);
  - 510 µA @ 24 VDC (one comm. every 5 sec. with LED blink enabled)
- Operating voltage: 15 to 30VDC peak
- Operating temperature: -20°C to +60°C
- Non-condensing relative humidity: 0% to 95%

**CPD number: 0832-CPD-1391**

## M200-SMB

## Surface mount box



Compatible with M700 series modules.

### Specifications

- Dimensions (W x H x D): 139 mm x 134 mm x 40 mm

## M200-SMB KO

## Surface mount box with knock outs



Compatible with M700 series modules.  
Complete with rubber grommets.

### Specifications

- Dimensions (W x H x D): 139 mm x 134 mm x 40 mm

## M200-PMB

## Panel mounting bracket



With 2 holes for fixing.  
To be used with M700 series modules.

## M200-DIN

## DIN-Rail bracket



To be used with M700 series modules.

## ISO524-1

## Micro isolator module



To build inside SR3T back box of intelligent call point.

## MMX-10M

## 10 way intelligent input monitor card \*



Complete with end of line resistors, individual input disable switches, plug in screw connections and on board LED's with the facility for external LED's (unboxed).

Max. 4 connections on an intelligent loop (Advanced).

### Specifications

- Dimensions (W x H x D): 233 mm x 70 mm x 13 mm

**CPD number: 0051-CPD-0283**

## CMX-10RM

## 10 way intelligent relay control card \*



Complete with individual output disable switches, plug in screw connections and on board LED's with the facility for external LED's (unboxed).

Max. 4 connections on an intelligent loop (Advanced).

### Specifications

- Dimensions (W x H x D): 233 mm x 70 mm x 13 mm
- Contact rating: 30VDC - 1A

**CPD number: 0051-CPD-0284**

## MCX-55M

## 5 way intelligent input monitor & 5 way intelligent relay \*



Complete with end of line resistors and relays (30VDC - 1A) on board LED's with the facility for external LED's (unboxed).

Max. 4 connections on an intelligent loop (Advanced).

### Specifications

- Dimensions (W x H x D): 233 mm x 70 mm x 13 mm

**CPD number: 0051-CPD-0285**

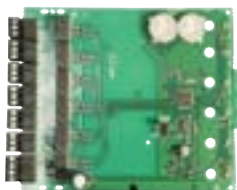


These modules use CLIP addresses.

\*: Pay attention to the max. number of CLIP addresses on advanced loop when loop communication is in advanced protocol.

## CR-6

## 6 way relay module \*



The CR-6 six way control module is intended for use in an intelligent alarm system. Each module is intended for Form-C switching applications, which do not require wiring supervision for the load circuit. A single isolated set of dry relay contacts is provided for each module, which is capable of being wired for either normally open or normally closed for each operation. Each module has its own address.

**Specifications**

- Weight: 340g
- Dimensions (W x H x D): 147 mm x 185 mm x 25 mm
- Normal operating voltage: 15-32 Vdc
- Stand-By Current: 1.45 mA
- Temperature Range: -10°C to 55°C
- Humidity: 10 to 93% Non condensing

**CPD number: 0832-CPD-0928**

## CZ-6

## 6 way zone interface module \*



The CZ-6 way zone interface module is intended for use in an intelligent alarm system. Each module provides an interface between the intelligent alarm system and a conventional alarm system loop. A common SLC input is used for all modules, and the initiating device loops share a common supervisory supply and ground. Otherwise, each monitor operates independently from the others. Requires a separate reset.

**Specifications**

- Weight: 360g
- Dimensions (W x H x D): 147 mm x 185 mm x 25 mm
- Normal operating voltage: 15-32 Vdc
- Stand-By Current: 2 mA
- Temperature Range: 0°C to 49°C
- Humidity: 10 to 85% Non condensing

**CPD number: 0832-CPD-0929**

## IM-10

## 10 way supervised input module \*



The IM-10 ten way supervised input module is intended for use in an intelligent alarm system. Each monitor module is intended to interface between a control panel and normally open contact devices, such as pull stations. A common SLC input is used for all modules, and the initiating device loops share a common supervisory supply and ground. Otherwise, each monitor operates independently from the others. Each module has its own unique address.

**Specifications**

- Weight: 360g
- Dimensions (W x H x D): 147 mm x 185 mm x 25 mm
- Normal Operating Voltage: 15-32 VDC
- Stand-By Current: 3.5 mA
- Temperature Range: -10°C to 55°C
- Humidity: 10 to 93% Non condensing

**CPD number: 0832-CPD-0927**



These modules use CLIP addresses.

\*: Pay attention to the max. number of CLIP addresses on advanced loop when loop communication is in advanced protocol.

## SC-6

## 6 way supervised sounders output module \*



The SC-6 six way supervised sounder output module is intended for use in an intelligent alarm system. Each module is intended for switching applications involving DC which require wiring supervision. A common SLC input is used for all modules. Each module has its own address. A pair of rotary code switches is used to set the address of the first module from 01 to 94. The remaining modules are automatically assigned to the next five higher addresses.

Provisions are included for disabling a maximum of three unused modules to release the addresses to be used elsewhere. Each module also has panel controlled green LED indicators. The panel can cause the LEDs to blink, latch on, or latch off.

**Specifications**

- Weight: 460g
- Dimensions (W x H x D): 147 mm x 185 mm x 25 mm
- Normal Operating Voltage: 15-32VDC
- Stand-By Current: 2.25 mA
- Temperature Range: -10°C to 55°C
- Humidity: 10 to 93% Non condensing

**CPD number: 0832-CPD-0930**

## MMX-102E

## Intelligent micro monitor module \*



Complete with end of line resistor, complete with pig tail connections, direct decade address entry and LED output.

**Specifications**

- Weight: 33g
- Dimensions (W x H x D): 48 mm x 40 mm x 13 mm

**VdS number: G296024; CPD number: 0832-CPD-0931**

## 002-439

## Multi-mount enclosure (MME)



Metal box in Notifier grey colour (RAL7021).  
Can hold two standard size modules or two 10 way I/O module MMX-10M, CMX-10RM, or two mains relay modules.

## SMB6-V0

## Multi-mount abs antistatic box



VO Flame retardant box in Notifier grey colour.  
Can hold up to 6 M700 modules (DIN accessory is not required).  
Compatible with MMX-10M, CMX-10RM & MCX-55M.

**Specifications**

- Weight: 700g
- Dimensions (W x H x D): 245 mm x 180 mm x 50 mm

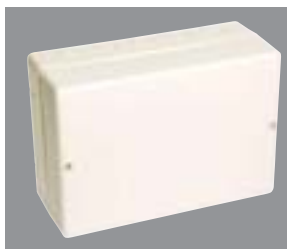


These modules use CLIP addresses.

\*: Pay attention to the max. number of CLIP addresses on advanced loop when loop communication is in advanced protocol.

## SMBW-VO

## ABS Antistatic box for multimodule



VO Flame retardant box, color cream.  
Can hold 1 multimodule (CMX-10RM, MMX-10M, MCX-55M).

### Specifications

- Weight: 720g
- Dimensions (W x H x D): 245 mm x 100 mm x 50 mm

## BB-2

## Multi-mount steel cabinet



Up to 2 modules (xx-6 or IM-10 series).  
Red coated enclosure.

### Specifications

- Dimensions (W x H x D): 227 mm x 305 mm x 93 mm

## BB-6

## Multi-mount cabinet



Up to 6 modules (xx-6 or IM-10 series) can be mounted using the BB-6 mount chassis.  
Red coated enclosure.

### Specifications

- Dimensions (W x H x D): 319 mm x 610 mm x 164 mm

## CH-6

## Mount chassis for BB-6



The CH-6 chassis is mounted in the BB-6 cabinet.  
It is shipped with two self-threading screws, which are used to fasten the chassis to the back wall of the cabinet.



## Loop powered AVAX range - Available until Q1 2012



- Common twist fit connection base
- Connects directly to the intelligent loop
- Interchangeable without affecting wiring
- In-built isolator
- High Output (100 dB)
- Wide beacon viewing angle
- Individually addressed and controlled
- Low current
- 32 tone settings
- Waterproof mounting option (IP65)
- CPD approved to EN54-3

The AVAX range of intelligent, loop powered, audible visual fire alarm devices, provides a comprehensive selection of products designed to meet the majority of fire alarm installation requirements.

With a common mounting and connection plate, all devices are fully interchangeable without the need for any wiring disturbance, allowing, for example, a sounder to be changed easily to a sounder and beacon combination or a beacon only.

AVAX devices provide both standard wall mounting units and integrated base units allowing the direct fitting of Notifier sensors. Wall mounting units are available as a sounder, sounder & beacon combination and a beacon only with sounder colour options of both red and white. Integrated base sounder units are also available as either a sounder or a sounder & beacon combination in colours to match the sensors. All units are delivered with an optional loop isolator included.

### Specifications

- |                                   |  |
|-----------------------------------|--|
| • Current consumption, quiescent: | 319uA @ 24VDC (without communication)<br>469uA @ 24VDC (one comm. every 5 seconds) |
| • Operating voltage:              | 15-28VDC   |
| • Operating Temperature:          | -25°C - +70°C  |
| • Relative Humidity:              | 10 to 96% (non condensing)   |

## AVAX wall sounders

### Specifications


- |                              |                                      |
|------------------------------|--------------------------------------|
| • Alarm current:             | Dependent on setting                 |
| • Ingress Protection rating: | IP33 (IP65 in combination with WDBx) |
| • Dimensions (Ø x h):        | 115 mm x 68 mm in LPBW               |
| • CPD number:                | 0832-CPD-0320                        |

### AWS32/R-I

### Intelligent & isol. wall mount sounder red



AVAX Wall mounting, intelligent, loop powered sounder, RED, with in built loop isolator.

 Base NOT included

### AWS32/W-I

### Intelligent & isol. wall mount sounder pure white




AVAX Wall mounting, intelligent, loop powered sounder, WHITE, with in built loop isolator.

AVAX wall sounders / beacons



Specifications	
• Alarm current:	Dependent on setting
• Ingress Protection rating:	IP33 (IP65 in combination with WDBx)
• Dimensions (Ø x h):	115 mm x 68 mm in LPBW
• CPD number:	0832-CPD-0322


 Base NOT included

<b>AWSB32/R/RD-I</b>	<b>Intelligent &amp; isol. wall mount sounder red &amp; red beacon</b>
AVAX Wall mounting, intelligent, loop powered sounder with RED beacon, RED housing, with in built loop isolator.	
<b>AWSB32/R/AM-I</b>	<b>Intelligent &amp; isol. wall mount sounder red &amp; amber beacon</b>
<b>AWSB32/W/RD-I</b>	<b>Intelligent &amp; isol. wall mount sounder bright white &amp; red beacon</b>
<b>AWSB32/W/AM-I</b>	<b>Intelligent &amp; isol. wall mount sounder bright white &amp; amber beacon</b>

AVAX wall beacons



Specifications	
• Alarm current:	1.9mA
• Ingress Protection rating:	IP33 (IP65 in combination with WDBx)
• Dimensions (Ø x h):	112 mm x 37 mm in LPBW

 Base NOT included

<b>AWB/RD-I</b>	<b>Intelligent &amp; isol. wall mount beacon red</b>
AVAX Wall mounting, intelligent, loop powered RED beacon, with in built loop isolator.	
<b>AWB/AM-I</b>	<b>Intelligent &amp; isol. wall mount beacon amber</b>
AVAX Wall mounting, intelligent, loop powered AMBER beacon, with in built loop isolator.	



## AVAX base sounders



### Specifications

- Weight: 160g
- Dimensions (Ø x h): 112 mm x 43 mm in LPBW
- Ingress Protection (IP) rating: IP21C

EN54-3 approved; CPD number: 0832-CPD-0316

### ABS32/PW-I

#### Intelligent & isol. base sounder pure white

AVAX Intelligent, loop powered base sounder, with in built loop isolator.

 Compatible with intelligent OPAL detector series.

### ABS32/W-I

#### Intelligent & isol. base sounder ivory (retrofit)

AVAX Intelligent, loop powered base sounder, with in built loop isolator.

 Compatible with intelligent S700 detector series.


## AVAX base sounders / beacons




### Specifications

- Dimensions (Ø x h): 112 mm x 43 mm in LPBW
- Ingress Protection (IP) rating: IP21C

CPD number: 0832-CPD-0318

 x = lens color  
RD=red; CL=clear transparent; AM=amber

 Base NOT included

### ABSB32/PW/x-I

#### Intelligent & isol. base sounder pure white & beacon

AVAX Intelligent, loop powered pure white base sounder / beacon, with in built loop isolator and RED, CLEAR or AMBER lens.

### ABSB32/W/x-I

#### Intelligent & isol. base sounder ivory & beacon (retrofit)

AVAX Intelligent, loop powered ivory base sounder / beacon, with in built loop isolator and RED, CLEAR or AMBER lens.

## AVAX base beacons



### Specifications

- Dimensions (Ø x h): 112 mm x 37 mm in LPBW
- Ingress Protection (IP) rating: IP21C

### ABB/PW/C-I

#### Intelligent & isol. pure white base beacon with clear lens

### ABB/W/C-I

#### Intelligent & isol. ivory base beacon with clear lens (retrofit)

Accessories

LPBW Low profile base




AVAX First Fix connection base.

Specifications	
• Weight:	60g
• Diameter:	112 mm

DBSPx Pack of 5 spacers for surface mount application




 x = color  
D=Ivory; R=Red; W=White

SDBx Deep profile base (LPBW included)




AVAX First Fix surface mounting connection base kit. Includes LPBW.

Specifications	
• Weight:	140g
• Dimensions (Ø x h):	112 mm x 43 mm

 x = color  
D=Ivory; R=Red; W=White

WDBx Deep waterproof base (LPBW included)



 x = color  
D=Ivory; R=Red; W=White



NEW

Intelligent Audio Visual range (IAV) - Available end 2011



- B501AP base allows the Intelligent AV range and the OPAL Advanced range to share a common installation base, giving reduced inventory costs.
- Greater flexibility of installation. Decisions regarding the positioning of AV and smoke detection can be delayed until the commissioning stage.
  - Maintain electrical and mechanical compatibility with the Notifier detector range.
  - The visual products meet the requirement of the latest EN54-23.
  - The audible products meet the requirements of EN54-03.
  - Loop powered with low current draw.
  - Supports the Advanced Protocol and the legacy Series 500 Protocol.
  - Sounders and strobes will be fully controllable from the panel, enabling tone selection and output levels to be set from the panel according to the status of the alarm; all sounders and strobes on each loop will automatically be synchronised.
  - Flush, surface and waterproof mounting base options.
  - Loop address set using the familiar rotary switches.

The range consists of sounders, strobes and sounder-strobes in both wall-mounted and detector base configurations. A major feature of the new family is that both the wall-mounted and detector base devices will use the new Series 200 Advanced B501AP base, thereby reducing the number of separate parts that have to be stocked and managed. The new devices are not backwards compatible with the AVAX range.

Specifications

- |           |  |
|-----------|--|
| • Tones:  | 32   |
| • Output: | - Wall-mounted 100 db(A) @ 1m<br>- Detector base 95 db(A) @ 1m (TBC) |
| • Strobe: | New electronics, high performance light source and optics.           |

IAV Wall sounders



NFXI-WS-W	Wall Mount Sounder - Isolation - PURE WHITE
NFXI-WS-R	Wall Mount Sounder - Isolation - RED

## IAV Wall sounder strobes



NFXI-WSF-WC	Wall Mount Sounder Strobe - Isolation - PURE WHITE, CLEAR lens
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NFXI-WSF-RR	Wall Mount Sounder Strobe - Isolation - RED, RED lens
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## IAV Wall mount strobes



NFXI-WF-AA	Wall Mount Strobe - Isolation - AMBER
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NFXI-WF-RR	Wall Mount Strobe - Isolation - RED
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## IAV Base sounders

NFXI-BS-W	Integrated Detector Base Sounder - Isolation - PURE WHITE
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NFXI-BS-IV	Integrated Detector Base Sounder - Isolation - IVORY
------------	--

## IAV Base sounders-strobe



NFXI-BSF-IVC	Integrated Detector Base Sounder Strobe - Isolation - IVORY, CLEAR lens
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NFXI-BSF-WC	Integrated Detector Base Sounder Strobe - Isolation - PURE WHITE, CLEAR lens
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## IAV Base strobe

NFXI-BF-WC	Integrated Detector Base Strobe - Isolation - PURE WHITE, CLEAR lens
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NFXI-BF-IVC	Integrated Detector Base Strobe - Isolation - IVORY, CLEAR lens
-------------	---

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## Loop booster



- Expands the capacity of alarm devices on the loop
- Compatible with Notifier Fire Control Panels NF30/50 series v. 5.04 software and NF2000/3000 v. 4.20 software
- Addressed as a module, in the range 01 to 99
- Self-contained standby batteries
- Two section enclosure allowing first fixing separate from electronics and front cover
- The Loop Booster has LEDs to indicate:
  - Main power on
  - Loop Address polling active
  - Loop Isolator open on loop in either direction
  - Loop voltage below 16V
  - Fault Condition

The Loop Booster has been designed to provide extra power to a loop to power additional loop powered devices, especially high current drawing 'alarm' devices such as loop powered sounders and strobes. As an intelligent device a number of loop boosters can be added to a loop within the normal intelligent range (01 to 99). It is recommended that no more than 2 loop boosters be added to any particular loop.

Please note that the relevant software versions, are available free of charge: the NF30/50 series, version 5.04 on the Notifier Fire Systems website: [www.notifierfiresystems.co.uk](http://www.notifierfiresystems.co.uk), Distributors/ ESD News/Software. For the NF2000/3000 version 4.20 is available by ordering part number: 020-664 through Notifier RSMs.

The Loop Booster has been designed to be connected to mains power (230VAC) and with two 12V, 12 Ahr sealed lead-acid batteries provides up to 72 hours standby. Please note that that only this size of battery is suitable. If the loop booster battery charging voltage falls below 21V, the batteries are disconnected automatically to prevent damage.



This device doesn't extend the length of loop.

**CPD number: 0786-CPD-20604**

**002-629**

**IDP-LPB1 loop booster boxed**

NFS 2-B

FIRE ALARM CONTROL PANEL  
EN 54-2-4

TO SILENCE BELLER PRESS BELLER MUTE  
TO SILENCE SOUNDERS PRESS  
SOUNDER STOP/START  
PRESS AGAIN TO RESTART SOUNDERS



POWER  
FAULT  
DISARMMENT  
TEST  
DELAY ON  
SYSTEM FAULT  
EARTH FAULT  
POWER SUPPLY FAULT  
SOUNDER FAULT / DISABLED  
FIRE (SP) ACTIVE  
FIRE (SP) FAULT / DISABLED  
BELLER (SP) FAULT / DISABLED  
ALARMARY FAULT

ACCEPT  
SOUNDER  
STOP / START  
RESET  
BELLER MUTE  
DELAY ON/OFF  
ZON SELECT  
DISABLE / TEST /  
NORMAL  
LAMP TEST



# Conventional Systems

 **NOTIFIER**<sup>®</sup>  
by Honeywell

## Conventional Systems

## Notes

## NFS Series



- Zones configurable for delay, coincidence, short-circuit alarm, capacitor or resistive end of line
- Fire and fault outputs - volt-free relay or monitored
- Auxiliary power output for ancillary equipment
- 2 configurable inputs for ancillary equipment (e.g. class change, alert, etc.)
- Space for two option modules
- Optional 8-way relay module, common or zonal switching
- Optional 1.5A 4-way sounder module, common or zonal switching
- Simple to install
- Robust fire resistant ABS moulded enclosure
- Battery space for up to 72 hours stand-by
- 2, 4 or 8 zone versions available

Developed with efficiency in mind, NFS2-8 zone non-intelligent fire alarm panels offer both installers and end users a technically advanced range of functions while remaining easy to install, program and operate. A full range of non-intelligent detectors, advanced non-intelligent detectors, beam detectors, manual call points, duct mounting applications, audible and visible devices are available for use with the panels.

NFS2-8 series fire alarm panels are ideally suited for facilities including offices, shop units, public houses, B & B, clubs, small industrial units, nursing homes and schools, offering a wide range of benefits to installers and end-users.

### Specifications

• Dimensions (W x H x D):	356 mm x 318 mm x 96 mm
• Weight:	2kg (without batteries)
• Supply rating:	230V~(ac) ± 15%, 50 / 60Hz, 1.6A
• Auxiliary output voltage:	18.0-28.5Vdc
• Auxiliary output current:	0.5A maximum
• Sounder circuit:	0.5A maximum per circuit
• Sounder circuit total:	1.0A maximum
• Operating temperature:	-5°C to +45°C
• Non-condensing relative humidity:	5% to 95%
• IP rating:	IP30
• Optional sounder module may be used with an external power supply to give an additional 1.5A per module	

**CPD approved to EN54-2&4; BOSEC system approved to EN54-13**

**The EN54-13 System certificate (TCC2-893) contains the following items:**

<ul style="list-style-type: none"> <li>• <b>Conventional fire panel</b> NFS2-8</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Beam detectors</b> 6500R(S)</li> </ul>
<ul style="list-style-type: none"> <li>• <b>ECO1000 Detectors &amp; bases:</b> ECO1003 ECO1002 ECO1005 ECO1005T ECO1004T ECO1000B(R) ECO1000DB(R)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Manual Call Points</b> MCP1A-xxxxxx-01 WCP1A-xxxxxx-01 MCP2A-xxxxxx-01 WCP2A-xxxxxx-01 MCP3A-xxxxxx-01 WCP3A-xxxxxx-01 MCP4A-xxxxxx-01</li> </ul>
<ul style="list-style-type: none"> <li>• <b>S800 Detectors &amp; bases:</b> SD-851E SD851TE FD-851RE FR-851(H)TE B401(R) B401DG B401DGR</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Sounders</b> NS4/x NXS14/x NBS4</li> <li>• <b>Others</b> IRK-2E IRK-E-SI</li> </ul>

**NFS2**

**Two zone conventional fire alarm panel**

**NFS4**

**Four zone conventional fire alarm panel**

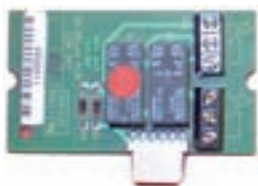
**NFS8**

**Eight zone conventional fire alarm panel**

## NFS Accessories

020-713

### FS02 A/F Fire and fault relay expansion card



Adds fire and fault relay outputs to the NFS series panels.

#### Specifications

- Weight: 65g
- Dimensions (L x W x H): 65 mm x 37 mm x 12 mm
- Connection: connects directly to the panel using the SK2

020-747

### 8-Way relay board




8 relay outputs which are configurable as N/O or N/C by jumper links (1A @ 30Vdc).

Link setting allows 4 function presets to be configured for all 8 relays.

#### Specifications

- Weight: 210g
- Max Current (per PCB):
  - Quiescent 0.1mA
  - Alarm /all active 80.1mA
- Relay contacts: Rated at 30V DC, 1A.

 Max 2 x 020-747 per panel

020-772

### 4-Way sounder / monitored output board



Provides 4 monitored circuits with provision for external PSU and 2 digital inputs.

#### Specifications

- Sounder PCB outputs: 26 - 28.5V dc
- If DIP switch 6 is set to >250mA: 4 x 1A (maximum of 1.5A in total for 2 or more outputs)
- If DIP switch 6 is set to <250mA: 4 x 250mA
- Digital Inputs: 2 x 5V - 32V dc
- Sounder PCB input: 20-30V dc, 5A
- Compliancy: EN54 Part 4 with power status volt-free contact (NC when there are no faults present)
- Max Current (per PCB):
  - Quiescent: 47mA
  - Alarm/all active: 1547mA

 This board is required to comply with EN54-13.

## ECO1000 Series



- Low profile design
- Low current draw
- Remote alarm test feature
- Easy maintenance
- Remote LED option
- Certified to EN54-5 and EN54-7
- Pan European approvals (CPD, MED and EN regions)
- White color

The ECO1000 series is the Notifier range of conventional detectors. These detectors have been produced using the latest in manufacturing technology and supplied with an array of advanced features, making them “better by design”.

A laser-based hand held Remote Test Unit can be used in conjunction with the range of ECO1000 detectors for alarm test purposes. The unit transmits a coded message, preventing spurious alarms being generated by other laser based devices.

With a range of several meters, the hand held test unit provides an effortless way of remotely testing the ECO1000 range of detectors and removes the need for any direct physical access to the detector by the user.

The ECO1000 detectors also have an internal LED, which illuminate to provide a local alarm signal. This latches on, and remains illuminated until the detector is reset by a momentary power interruption. An optional remote LED annunciator may be used to repeat any alarm signal. The detector base is fitted with a shorting spring to permit circuit testing prior to fitting the detector and has a tamper resistant feature, which when activated prevents removal of the detector without the use of a tool.

### Specifications

- |                                |                             |
|--------------------------------|-----------------------------|
| • Operating temperature range: | -30°C to +70°C              |
| • Operating voltage range:     | 14-28VDC (Nominal 24VDC)    |
| • Storage temperature range:   | -40°C to +85°C              |
| • Humidity:                    | 5% to 95% relative humidity |
| • Material:                    | ABS                         |

## ECO1003

### Optical conventional detector



The ECO1003 photoelectric smoke detector uses a state of the art optical chamber combined with an application specific integrated circuit (ASIC) to provide quick and accurate detection of fires. A combination of the unique chamber design and other technically advanced features will significantly extend the service intervals before the cleaning of the detector becomes necessary.

### Specifications

- |                       |                                 |
|-----------------------|---------------------------------|
| • Dimensions (Ø x h): | 102 mm x 32.5 mm (without base) |
| • Weight:             | 75g (+45g for standard base)    |

**Vds number: G201060; CPD number: 0832-CPD-0064**

## ECO1005

### Rate of rise thermal conventional detector



The ECO1005 class A1R thermal detector uses a state of the art thermal element combined with an application specific integrated circuit (ASIC) to provide quick and accurate detection of fires.

The detector incorporates a static element and is suitable where ambient conditions normally exhibit high temperatures.

### Specifications

- |                       |                                 |
|-----------------------|---------------------------------|
| • Dimensions (Ø x h): | 102 mm x 40.5 mm (without base) |
| • Weight:             | 70g (+45g for standard base)    |

**Vds number: G201016; CPD number: 0832-CPD-0066**

## ECO1005T

### Fixed thermal conventional detector (58°C)



The ECO1005T class A2S thermal detector uses a state of the art thermal element combined with an application specific integrated circuit (ASIC) to provide quick and accurate detection of fires. The detection incorporates a static element and is suitable where ambient conditions normally exhibit high temperatures.

#### Specifications

- Dimensions (Ø x h): 102 mm x 40.5 mm (without base)
- Weight: 70g (+45g for standard base)

**Vds number: G201073; CPD number: 0832-CPD-0067**

## ECO1004T

### Fixed thermal conventional detector (78°C)



The ECO1004T detector uses a state of the art class BS thermal element combined with a microprocessor, running sophisticated algorithms to provide quick and accurate detection of fires. The detection incorporates a static element and is suitable where ambient conditions normally inhibit rapid changes in temperature, eg kitchens.

The ECO-1004T detector uses a state of the art class BS thermal element combined with a microprocessor, running sophisticated algorithms to provide quick and accurate detection of fires. The detection incorporates a static element and is suitable where ambient conditions normally inhibit rapid changes in temperature, eg kitchens.

#### Specifications

- Dimensions (Ø x h): 102 mm x 40.5 mm (without base)
- Weight: 70g (+45g for standard base)

**VDS number: G204042; CPD number: 0832-CPD-0068**

## ECO1002

### Optical/thermal detector



The ECO1002 multi-criteria detector uses a state of the art optical chamber and a class A1R thermal element combined with a microprocessor, running sophisticated algorithms to provide quick and accurate detection of fires. The combination of photoelectric and thermal characteristics provides a faster response to 'real fire' situations, while at the same time reducing the risk of unwanted environmentally generated alarms.

#### Specifications

- Dimensions (Ø x h): 102 mm x 40.5 mm (no base)
- Weight: 78g (+45g for standard base)

**Vds number: G201067; CPD number: 0832-CPD-0065**

ECO1000B

Standard mounting base



Specifications

• Dimensions (Ø x h):

102 mm x 21 mm

ECO1000BR

Base with 470R resistor

ECO1000DB

Deep base

Specifications

• Dimensions (Ø x h):

102 mm x 33 mm

ECO1000DBR

Deep base with 470R resistor

ECO1000BREL12NL

12V Relay base non latching



Interface for 12V systems that do not provide a reset facility. Resets automatically the ECO detector when the fire alarm condition no longer exists.

ECO1000BREL12L

12V Relay base latching



Interface for 12V systems that latches the detector into alarm. The detector can only be reset by removing its supply voltage. The base can be used with 4 wire security systems that have a reset facility.

ECO1000BREL24L

24V Relay base latching



Interface for 24V system that requires an external contact. The detector stays in alarm until the removing of its supply voltage. A break-off tab allows the base to be connected to fire control panels. This tab should be broken when there is little current flow or no current limiting resistor such as when used as a 24V stand-alone system.



## 800 Series detectors



- Low profile design
- Low current draw
- Bi-colour LED status indicator
- Automatic drift compensation
- Programmable Sensitivity
- Intelligent Feature
- Advanced maintenance features via remote handheld test unit
- Range of detector bases available
- Ivory color

Processor enhanced Detection series of conventional detectors. These detectors have been produced using the latest in manufacturing and design technical, pushing out the boundaries of existing conventional detector technology. With an on board microprocessor, it's multitude of enhanced features including drift compensation, provides the best in conventional detection.

### Specifications

- Operating voltage: 8 to 30 VDC (Nominal 12/24VDC)

### SD-851E

### Optical smoke detector



The SD-851E forms part of the Processor enhanced Detection series of conventional detectors. It incorporates an optical chamber which is continually monitored by an on board processor which uses algorithms developed specifically for the unit. An alarm signal is only enabled in the detector once the processor is satisfied that an incipient fire has been detected thereby reducing the incidence of nuisance alarms.

### Specifications

- Dimensions (Ø x h): 102 mm x 38 mm (without base)
- Weight: 105g
- Current consumption:
  - Alarm: 80 mA @ 24 VDC (limited by the panel)
  - Standby: 50µA @ 24 VDC (no led blinks)

**VdS number: G202013; CPD number: 0832-CPD-0086; Approved to EN54 part 7 (2000)**

### SD-851TE

### Optical thermal smoke detector (58°C)



The SD-851TE photoelectric smoke/thermal detector incorporates an optical chamber and a thermal element, which in turn are continually monitored by an on board processor by using algorithms developed specifically for the unit. An alarm signal is only enabled in the detector once the processor is satisfied that an incipient fire has been detected.

### Specifications

- Dimensions (Ø x h) : 102 mm x 38 mm (without base)
- Weight: 115g
- Current consumption:
  - Alarm: 80 mA @ 24 VDC (limited by the panel)
  - Standby: 50µA @ 24 VDC (no led blink)

**VdS number: G202019; CPD number: 0832-CPD-0087; Approved to EN54 part 7 (2000), EN54 part 5 (2000); Class A1R: CEA4021**

## FD-851RE

### Rate of rise heat detector (+/- 10°C & 58°C)



The FD-851RE forms part of the Processor enhanced Detection series of conventional detectors. The FD-851RE thermal detector incorporates the latest in thermal element technology, the detector provides efficient and accurate detection of fires, especially in environments such as boiler houses or kitchens where smoke detectors are inappropriate due to the high level of airborne contamination.

#### Specifications

- Dimensions (Ø x h): 102 mm x 48 mm
- Weight: 105g
- Current consumption:
  - Alarm: 80 mA @ 24 VDC (limited by the panel)
  - Standby: 60µA @ 24 VDC (no led blink)

**VdS number: G202015; CPD number: 0832-CPD-0089; Approved to EN54 part 5 (2000); Class BS**

## FD-851TE

### Fixed temperature heat detector (58°C)



The FD-851TE thermal detector incorporates the latest in thermal element technology, the detector provides efficient and accurate detection of fires, especially in environments such as boiler houses or kitchens where smoke detectors are inappropriate due to the high level of airborne contamination.

#### Specifications

- Dimensions (Ø x h): 102 mm x 48 mm
- Weight: 105g
- Current consumption:
  - Alarm: 80 mA @ 24 VDC (limited by the panel)
  - Standby: 60µA @ 24 VDC (no led blink)

**VdS number: G202015; CPD number: 0832-CPD-0191; Approved to EN54 part 5 (2000) class A2S**

## FD-851HTE

### Fixed temperature heat detector (78°C)



The FD-851HTE thermal detector incorporates the latest in thermal element technology, the detector provides efficient and accurate detection of fires, especially in environments such as boiler houses or kitchens where smoke detectors are inappropriate due to the high level of airborne contamination.

#### Specifications

- Dimensions (Ø x h): 102 mm x 48 mm
- Weight: 105g
- Current consumption:
  - Alarm: 80 mA @ 24 VDC (limited by the panel)
  - Standby: 65µA @ 24 VDC (no led blink)

**VdS number: G202017; CPD number: 0832-CPD-0088; Approved to EN54 part 5 (2000) class BS**

## B401

### Standard two wire base



The Notifier B401 Plug-in Detector Base is designed for use with Notifier 800 Series smoke and heat detector heads. The capacity of plugging these detectors into a variety of special bases makes them more versatile than equivalent direct-wired models<sup>3</sup>

The B401 base is intended for use in 2-wire systems, with screw terminals provided for power and remote annunciator connections.

#### Specifications

- Dimensions (Ø x h): 102 mm x 19 mm
- Weight: 70g
- Operating Temperature Range: -10°C to +60°C

## B401R

### Standard base with 470R resistor



#### Specifications

- Dimensions (Ø x h): 102 mm x 19 mm
- Weight: 60g
- Material: PC/ABS

## B401DG

### 26 mm deep mounting base



#### Specifications

- Dimensions (Ø x h): 102 mm x 24 mm
- Material: PC/ABS
- Weight: 74g

## B401DGR

### 26 mm deep mounting base with 470r resistor



#### Specifications

- Dimensions (Ø x h): 102 mm x 24 mm
- Material: PC/ABS
- Weight: 80g

## B312NL

### 12V non-latching relay base



Interface for 12V systems that do not provide a reset facility. Resets automatically the 800 detector when the fire alarm condition no longer exists.

#### Specifications

- Dimensions (Ø x h): 127 mm x 29 mm
- Material: PC/ABS
- Weight: 123g

## B312RL

## 12V latching relay base



Interface for 12V systems that latches the detector into alarm. The detector can only be reset by removing its supply voltage. The base can be used with 4 wire security systems that have a reset facility.

### Specifications

- |                       |                |
|-----------------------|----------------|
| • Dimensions (Ø x h): | 127 mm x 29 mm |
| • Material:           | PC/ABS         |
| • Weight:             | 123g           |

## B324RL

## 24V latching relay base



Interface for 24V system that requires an external contact. The detector stays in alarm until the removing of its supply voltage. A break-off tab allows the base to be connected to fire control panels. This tab should be broken when there is little current flow or no current limiting resistor such as when used as a 24V stand-alone system.

### Specifications

- |                       |                |
|-----------------------|----------------|
| • Dimensions (Ø x h): | 127 mm x 29 mm |
| • Material:           | PC/ABS         |
| • Weight:             | 123g           |

## Conventional Detectors Accessories

## S300ZDU

## Zone display unit



The Zone Display Unit is a transparent module directly connected to the Control Panel and requires no external power supply. The ZDU works with the 800 series detector range. When a detector goes into Alarm the panel will indicate the status.

The ZDU then keeps the panel latched in alarm, and disconnects the detectors from the panel in order to communicate with them. The ZDU behaves like a detector in alarm so that the Control Panel continues to warn of the alarm and communicates with the detectors in order to obtain and display the addresses of those detectors in alarm.

Compatible with 800 Series detectors.

### Specifications

- |                            |  |
|----------------------------|--|
| • Dimension (H x L x W):   | 40 mm x 132 mm x 137 mm                    |
| • Weight:                  | 170g                                       |
| • Operating temperature:   | -10° to 50°C                               |
| • Storage temperature:     | -20° to 60°C                               |
| • Operating voltage range: | 15 to 29 VDC                               |
| • Maximum average current: | 100µA (does not include detection current) |

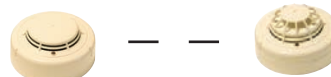
Conventional Panel



S300ZDU



Conventional detectors  
800 Series



### S300RPTU

#### Remote programming test unit



Programming of the following features (dist.: 2-3 cm):

- read and write last maintenance date
- read chamber contaminating level and th. element value
- set detector status LED to blink or non blink
- adjust sensitivity level and detector address & to allow an alarm test
- Includes battery

Compatible with 800 Series detectors.

#### Specifications

- Weight: 220g
- Power: Works on 3 AAA batteries (included)



### S300SAT


#### Satellite test unit



Wireless interface for S300RPTU to set 800 Series detectors up to 4.5m distance. Used with telescopic poles, with adapter piece SAT713.

#### Specifications

- Weight: 230g

 Requires two 9V batteries (not included)

### RMK400-IV

#### Recess mounting kit ivory



For suspended and drywall ceilings. For use with standard bases B401.

 Not compatible with ECO1000

### SMK400E

#### Surface mounting kit ivory



Provides for entry of surface wiring conduit. For use with standard bases B401.

 Not compatible with ECO1000.

## WB-1-IV

## Wet base shroud ivory



Adapter base enclosure for humid environments. For use with standard bases B401.

Three mounting options are possible: surface mounting, cable mounting and pendant mounting.

 Not compatible with ECO1000.

## IBS-LIDW

## Base cover for B401 - pack of 10 - Detector white (ivory)

## IRK-2E

## LED Remote indicator




The remote indicator lamp has been designed for direct connection to all Notifier fire detectors. It provides a visual alarm indication of the room in which the detector is installed.

### Specifications

• Dimensions (H x W x D):	80 mm x 80 mm x 25 mm
• Protection index:	IP40
• Terminals:	Screw
• Maximum wire section:	1.5mm <sup>2</sup>
• Operating temperature:	-10°C to +70°C
• Voltage range:	2,5 to 30 VDC
• Maximum current:	15mA
• Weight:	40g
• Maximum cable size:	2.5mm <sup>2</sup>

### Typical applications:

- All rooms permanently locked (boiler rooms, computer rooms, cupboards,...).
- Health buildings.
- Make easier the building security management (faster alarm location).

 Note: Supply voltage must not exceed 3,5 VDC without limiting resistor. Above this, a serial resistor must be provided with no less than 40 Ohm per Volt (usually inside the detector).

## IRK-2E-B

## LED Remote indicator with booster



The IRK-2E-B owns an amplifier who allows the connexion of several indicators in a single detector.

Surface mounted with the supplied mounting box.

## IRK-E-SI

## LED Remote indicator



Surface mounted with the supplied mounting box.

Led's will not blink in normal mode on intelligent systems!

### IRK-W-624

### LED technology remote indicator

---



Surface mounted.

#### Specifications

- IP rating: IP55
- Voltage range: 6-24Vdc



LED blinks in normal mode on intelligent systems.

### IRK-BOOST

### IRK booster module

---



Allows connection of multiple remote indicators (IRK-E-SI) to one Series 800 detector.

Conventional InnovairFLEX™ Duct Detectors

D2E Duct detector housing



12/24VDC powered (operation range: 8,5 to 35VDC).  
WITHOUT relays - B401 base included Air velocity rating from 0,5 m/s to 20,32 m/s. Connections for remote LED output.  
The duct detector samples air passing through a duct and gives dependable performance for shutdown of fans, blowers or airco systems, so preventing the spread of toxic smoke and fire gases through the protected area.  
Compatible with ECO1000 conventional detectors. (The B401 base then needs to be replaced by a ECO1000B base.)  
Conventional smoke detector & inlet sampling tube must be ordered separately.

Specifications	
• Dimensions (W x H x D):	370 mm x 127 mm x 63.5 mm
• Weight:	820g
• Operating temperature:	-20°C to +70°C
• Non-condensing relative humidity:	0% to 95%

Accessories for InnovairFLEX™

 Requires inlet sampling tube as listed below.

DST-1 Inlet sampling tube



Specifications	
• Diameter:	18 mm
• Length:	30 cm

DST-1.5 Inlet sampling tube



Specifications	
• Diameter:	18 mm
• Length:	45,7cm

DST-3 Inlet sampling tube



Specifications	
• Diameter:	18 mm
• Length:	91,6 cm

DST-5 Inlet sampling tube



Specifications	
• Diameter:	18 mm
• Length:	152 cm



## DST-10

### Inlet sampling tube



#### Specifications


- Diameter: 18 mm
- Length: 325,5 cm

## RTS151

### Remote Test Station



Proof remote station for DNRE and D2E.


 24Vdc external power supply is required, according to EN54-4.

## RTS151KEY

### Remote Test Station with key



Proof remote station for DNRE and D2E with key.

 24Vdc external power supply is required, according to EN54-4.

## RA100Z

### Remote Annunciator



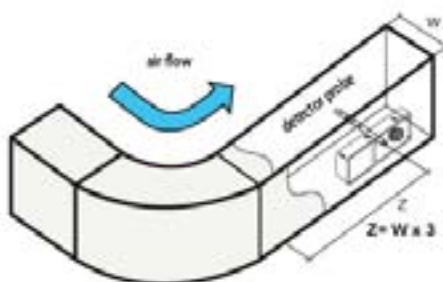
Remote indicator with LED for DNRE and D2E.

## 503E

### Plastic mounting box

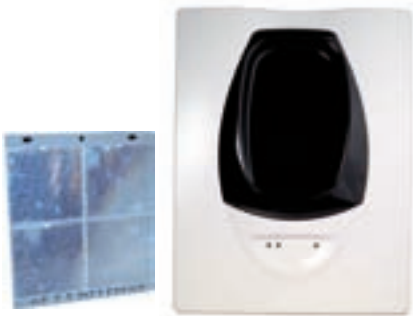


Plastic housing for recess mounting of RTS151(key) or RA100Z station.



Conventional Beam Detectors

6500R(S)



- Combined transmitter and receiver unit
- Suitable for connection to a conventional zone
- Range 10-100 metres
- 4 fixed sensitivity/threshold adjustment
- 2 automatic variable sensitivity modes
- Numerical indicators to aid beam alignment
- Fault and alarm LED indicators
- Integral horizontal and vertical beam alignment
- Drift compensation
- Approved to EN54-12
- Unique servo operated test filter (6500RS)

The 6500R and 6500RS are conventional reflector type linear optical beam smoke detectors designed to operate as a component of a conventional fire alarm system.

It operates primarily on the principle of light obscuration utilising infra-red light. Optical beam smoke detectors are particularly appropriate for protecting buildings with large open spaces such as warehouses, atriums etc.

The 6500R and 6500RS detectors are combined transmitter/receiver units, which can be directly connected to a conventional zone and require a resetable 24Vdc power supply. The Infra-Red transmitter generates a beam of light towards a high efficiency reflector. The reflector returns the beam to the receiver where an analysis of the received signal is made. The change in the strength of the received signal is used to determine the alarm condition.

**Specifications**

• Detector dimensions (W x H x D):	254 mm x 84 mm x 90 mm
• Reflector dimensions (W x H):	200 mm x 230 mm
• Weight:	1.77kg
• Operating temperature range:	-30°C to +55°C
• IP rating:	IP54
• Humidity:	0% to 95%, non condensing relative humidity

**VDS Approval number: G205034; CPD number: 0832-CPD-0323**

6500R

100M conv. reflective IR beam detector

Short range reflector (5-70m) included.

**Specifications**

• Operating voltage range:	10.2 to 32Vdc (24Vdc Nominal)
• Standby current:	17mA
• Alarm current:	38.5mA

6500RS

100M conv. reflective IR beam detector with self test tool

Same as 6500R with servo motor test tool.  
Requires 15V supply to operate Asuretest (remote test capability).

**Specifications**

• Operating voltage range:	15 to 32Vdc (24Vdc Nominal)
• Standby current:	17mA (in Test Mode: 500mA peak)
• Alarm current:	38.5mA


Conventional Beam Detector Accessories

BEAM-LRK Long-range reflector (70m-100m)




BEAM-SMK Surface mounting box



 Absolutely needed when using the mounting Bracket kit.


BEAM-MMK Mounting bracket - swivel type



 Must be used together with surface mounting box BEAM-SMK.

BEAM-HK Heater kit for beam detector




 To avoid condensation problems when used in non heated rooms.

Specifications

- Voltage: 15 to 32V
- Current: 92mA max at 32V
- Power consumption: - nominal: 1.6W at 24V  
- maximum: 3W at 32V

BEAM-HKR Heater kit for reflector



 To avoid condensation problems when used in non heated rooms.

Specifications

- Voltage: 15 to 32V
- Current: 450mA max at 32V
- Power consumption: - nominal: 7.7W at 24V  
- maximum: 15W at 32V

6500RTS-KEY Remote test key switch



Fire and Fault indication.  
Test and reset functions.

Specifications

- Weight: 200g
- Color: White

NEW

FireRay® 50/100R Beam detectors



- Combined transmitter and receiver unit in one discrete unit
- Range 5-50 Metres (FIRERAY® 50R), 50-100 Metres (FIRERAY® 100R)
- Low current consumption
- Automatic self check drift compensation
- Selectable sensitivity/threshold levels
- Selectable latching / non latching fire alarm
- LED indicators to aid the alignment process
- Optional Low Level Test Unit for UL models only
- World-Wide approvals including EN54:12 and UL268

The FIRERAY® 50/100R series conventional infrared optical beam smoke detectors provide economical and effective protection of large, open plan spaces with high ceilings, particularly if access to 'point type' smoke detectors presents practical difficulties. Optical beam smoke detectors are ideally suited for protecting warehouses, factories, atria, shopping malls, leisure centres, churches, museums, power stations and industrial plants.

The FIRERAY® 50/100R optical beam smoke detectors can be connected to a zone of a conventional fire alarm control panel, or interfaced to an intelligent system via an intelligent interface input module or a zone monitored module.

**Specifications**

- Operating range F50RV / RU: 5 to 50 Metres
- Operating range F100RV / RU: 50 to 100 Metres
- Operating voltage range: 10.2V DC to 30Vdc
- Standby current: 17mA
- Weight: 0.67 kg
- IP rating: IP50
- Relative humidity (non-condensing): 0% to 93%,
- Approvals / Certification: Designed, manufactured and certified to EN54-12: 2002

**CPD number: 0786-CPD-20045**

FR-0206.09

FIRERAY 50R



Reflective infrared beam smoke detector, comprising transmitter / receiver unit and reflective prism. 50m range. Including test filter and 1x reflective prism.

FR-0206.10

FIRERAY 100R



Reflective infrared beam smoke detector, comprising transmitter / receiver unit and reflective prism. 100m range. Including test filter and 4x reflective prisms.



NEW

FireRay® 5000 Motorised Infrared optical beam smoke detectors



- Up to 4 detectors per system controller
- Each detector configurable from 8m to 100m
- Integral LASER
- Auto-align fast automatic beam alignment
- Auto-optimize building movement and contamination compensation
- Low level system controller
- 20mm cable gland knockouts on system controller
- 2-wire interface from system controller to detector
- Worldwide approvals including EN54:12 and UL268


The FIRERAY® 5000 motorised, auto aligning infrared optical beam smoke detector can now be installed with up to four detector heads per system, thus saving on installation time and costs. This innovative system has been designed from the ground up to include pioneering technology that fully addresses the needs of the installer and user, both now and in the future.

With its industry leading optics, the FIRERAY® 5000 is ideally suited for the protection of large areas where the use of traditional detection technologies would prove to be too difficult and/or costly to install. The FIRERAY® 5000 combines an infrared transmitter and receiver in the same discrete unit and operates by projecting a well-defined beam to a reflective prism, which returns the beam to the receiver for analysis. Smoke in the beam path causes a drop in power, which, if below a pre-determined level, results in an alarm signal.

Specifications

- |   |                         |
|---|-------------------------|
| • Operating voltage range:                  | 14 to 28 Vdc            |
| • Operating temperature:                    | -10°C to +55°C          |
| • Storage temperature:                      | -40°C to +85°C          |
| • Relative humidity (non condensing):       | 93%                     |
| • IP rating:                                | 54                      |
| • System Controller dimensions (W x H x D): | 202 mm x 230 mm x 81 mm |

CPD number 0832-CPD-0565

 For protective cages, cf Protective Accessories, Part 6

FR-5000-101

FIRERAY 5000 System (50m)



FIRERAY 5000 Motorised self-aligning beam system comprising: 1 x detector head, 1x system controller and 1 x reflective prism. Suitable for operation up to 50m. Specify EN or UL approved model.

FR-5000-102

FIRERAY 5000 System (100m)



FIRERAY 5000 Motorised self-aligning beam system comprising: 1 x detector head, 1 x system controller and 4 x reflective prisms. Suitable for operation up to 100m. Specify EN or UL approved model.

**FR-5000-002**

**FIRERAY 5000 single detector**



FIRERAY 5000 Detector plus 1x Prism for use with the FIRERAY 5000 50m system.

**FR-5000-039**

**FIRERAY 5000 single detector**



FIRERAY 5000 Detector plus 4x Reflective Prisms for use with the FIRERAY 5000 100m system.

**FR-5000-004**

**FIRERAY 5000 Long Range Kit**



Long Range Kit, comprising 3 x reflective prisms, for use with FIRERAY 5000 System to give 100m capability.

## FireRay Accessories

**FR-5000-005**

**Universal Bracket**

Universal Bracket for use with FIRERAY 5000 detector head or Prism Plates.

**FR-5000-007**

**Four Prism Plate**



Prism Plate for 4 prisms (not included) for use with 5000-005 Universal Bracket (not included).

**FR-5000-008**

**Single Prism Plate**



Prism Plate for 1 prism (not included) for use with 5000-005 Universal Bracket (not included).



**FR-5000-006**

**Prism Mount Plate**



Surface Mount Plate for prisms. Hole Pattern for 1 or 4 prisms.

**FR-23901.01**

**Reflective Prism**



**FR-5000-014**

**Universal Ceiling Mount**



Ceiling Pendant Mount for use with F5000, F50/100, prism and 5000-005 Universal Bracket.

**FR-0209**

**Obscuration Filter**



**FR-0400-01**

**F50/100 Low Level Test Unit**



Low Level Test Unit with keyswitch for use ONLY with UL models. Includes Data Link Cable.

**FR-5000-009**

**F5000 Controller Back Box**



F5000 Controller Back Box with knock-outs.

**FR-5000-010**

**F5000 Trim Plate**



Semi Flush Trim Plate for use with 5000-009 Controller Back Box (sold separately).

**FR-5000-011**

**F5000 Detector Back Box**



F5000 Detector Back Box. Requires 5000-012 Cover Plate (sold separately).

**FR-5000-012**

**F5000 Cover Plate**



Cover Plate for 5000-011 Detector Back Box (sold separately).

**FR-0608**

**F50/100 Back Box**



Surface Mount Back Box for use with FIRERAY 50/100 Reflective Beam Detectors.

**FR-0893**

**F50/100 Wall Bracket**



Surface Mount Wall Bracket for use with FIRERAY 50/100 Reflective Beam Detectors.

**FR-1000-007**

**Laser Pointer**



Pointer with red laser, output <5mW, for assisting beam alignment during installation.

- 1
- 2
- 3
- 4
- 5
- 6
- 7

## Conventional Manual Call Points &amp; Switches

## Indoor (IP24) Red colour MCP



- Unique 'Plug & Play' installation concept
- Re-settable operating element option
- Resistive and clean contact connections
- Semi-flush or surface mounting
- Approved to EN54, Part 11
- Backward compatibility
- Enhanced aesthetics



The call points are delivered with the EN54-11 labels:  
Function label: EN54-11 'Burning House'  
For other labels, please order specific foil additionally.

**Specifications**

- |                                |  |
|--------------------------------|--|
| • Dimensions (W x H x D):      | - Semi-flush mounting: 89 mm x 93 mm x 27.5 mm |
|                                | - Surface mounting: 89 mm x 93 mm x 59.5 mm    |
| • Weight:                      | - Semi-flush: 110g                             |
|                                | - Surface: 160g                                |
| • Operating Temperature Range: | -10°C to +70°C                                 |
| • Operating tension:           | 24Vdc Nominal                                  |

**The series red MCP is LPCB approved EN54-11**

**MCP1A-R470FG-01****MCP flush with break glass element**

2 outputs: Normally open (max 30 Vdc) + monitoring resistor 470R.  
Includes break glass.

**CPD number: 0832-CPD-0642**

**MCP1A-R470FF-01****MCP flush with flexible element**

As MCP1A-R470FG-01, but with flexible element

**MCP2A-R470FG-01****MCP flush with break glass element & LED**

2 outputs: Normally open (max 30 Vdc) + monitoring resistor 470R.  
Includes break glass.

**CPD number: 0832-CPD-0644**

**MCP2A-R470FF-01****MCP flush with flexible element & LED**

As MCP2A-R470FG-01, but with flexible element

## MCP3A-R000FG-01

## MCP flush with break glass element with changeover contacts



With changeover contacts (max 30Vdc).  
Includes break glass.

**CPD number: 0832-CPD-0648**

## MCP3A-R000FF-01

## MCP flush with flexible element with changeover contacts

As MCP3A-R000FG-01, but with Flexible element.

## MCP4A-R000FG-11

## MCP flush with break glass element



With double pole changeover contacts (max 30Vdc) / Includes break glass.

**CPD number: 0832-CPD-0649**

## MCP4A-R000FF-11

## MCP flush with flexible element

As MCP4A-R000FG-01, but with Flexible element.

## Indoor (IP24) MCP Other colours



**i** Please replace "x" in the part n° by the code for the needed colour:  
Y = yellow; G = green; B = blue; W = white  
Standard lead time for special coloured MCP: 4 weeks.

**i** Standard labels for the special coloured MCP are:  
Operating Element label: EN54-11 'dot & arrows'  
Function label: Plain color.  
Please order specific foil of labels separately.



## MCP3A-x000FG-11

## MCP flush with break glass element

With changeover contacts (max 30Vdc). Includes break glass.

**CPD number: 0832-CPD-0648**

## MCP3A-x000FF-11

## MCP flush with flexible element

As MCP3A-x000FG-11, but with flexible element.

## MCP4A-x000FG-11

## MCP flush with break glass element

With double pole changeover contacts (max 30Vdc) / Includes break glass.

**CPD number: 0832-CPD-0649**

## MCP4A-x000FF-11

## MCP flush with flexible element

As MCP4A-x000FG-11, but with flexible element.

## Water Resistant (IP67) Red coloured MCP



The call points are delivered with the EN54-11 labels:  
Operating Element label: EN54-11 'dot & arrows'.  
Function label: EN54-11 'Burning House'.  
For other labels, please order specific foil separately.



### WCP3A-R000SG-01

#### MCP surface with break glass element



With single pole changeover (max 30Vdc).  
Includes surface mounting box and break glass.

**CPD number: 0832-CPD-0659**

### WCP3A-R000SF-01

#### MCP surface with flexible element

As WCP3A-R000SG-11, but with flexible element.

### WCP1A-R470SG-01

#### MCP surface with break glass element



2 outputs: Normally open (max 30 Vdc) + monitoring resistor 470R.  
Includes surface mounting box and break glass.

**CPD number: 0832-CPD-0654**

### WCP1A-R470SF-01

#### MCP surface with flexible element

As WCP1A-R000SG-11, but with flexible element.

## Water Resistant (IP67) MCP Other colours



Please replace "x" in the part n° by the code for the needed colour:  
Y = yellow; G = green; B = blue; W = white.



Standards labels for the special coloured MCP are:  
Operating Element label: EN54-11 'dot & arrows'.  
Function label: Plain color.  
Please order specific foil of labels separately.



### WCP3A-x000SG-11

#### MCP surface with break glass element

With single pole changeover (max 30Vdc).  
Includes surface mounting box and break glass.

**CPD number: 0832-CPD-0659**

### WCP3A-x000SF-11

#### MCP surface with flexible element

As WCP3A-x000SG-11, but with flexible element.

## WCP1A-x470SG-11

## MCP surface with break glass element

2 outputs: Normally open (max 30 Vdc) + monitoring resistor 470R.  
Includes surface mounting box and break glass.

CPD number: 0832-CPD-0654

## WCP1A-x470SF-11

## MCP surface with flexible element

As MCP3A-x000FG-11, but with flexible element.

## MCP Accessories

### KG1 X 10

### Spare EN54 break glass for all KAC call points - pack of 10



#### Specifications

- Weight: 120g (10 pieces)

### PS230

### Spare EN54 flexible OP. elements for MCP call points - pack of 10

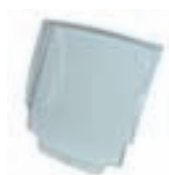


#### Specifications

- Weight: 60g (10 pieces)

### PS200

### Transparent protective hinged cover



#### Specifications

- Weight: 37g

### SC070

### Pack of 10 spare test keys

### SC071

### Pack of 20 terminal blocks

### KL1 X 5

### Pack of 5 earth continuity links



### BZR2

### Red bezel for flush installation



## Key switches





-  Standard label for the switches is:  
 Function label: Plain color.  
 Please order specific foil of labels separately.  
 All the swithes are Flush mount.
-  Please replace "x" in the part n° by the code of the needed colour:  
 R = red; Y = yellow; G = green; B = blue; W = white

<b>Wx9101</b>	<b>Key switch 2 positions (key removable in both positions)</b>
<b>Wx9102</b>	<b>Key switch 2 positions (key trapped in one position)</b>
<b>Wx9103</b>	<b>Key switch 3 positions (key removable in 3 positions)</b>
<b>Wx9104</b>	<b>Key switch</b>

## Rocker switches





-  Standard label for the switches is:  
 Function label: Plain color.  
 Please order specific foil of labels separately.  
 All the swithes are Flush mount.
-  Please replace "x" in the part n° by the code of the needed colour:  
 R = red; Y = yellow; G = green; B = blue; W = white

<b>Wx9201</b>	<b>Rocker switch 2 positions</b>
	Double pole changeover contact.
<b>Wx9202</b>	<b>Rocker switch double pole ON/OFF</b>
	With 230VAC red neon indicator.
<b>Wx9203</b>	<b>Rocker switch 3 positions</b>

## Miniature push switches



-  Standard label for the switches is:  
 Function label: Plain color.  
 Please order specific foil of labels separately.  
 All the swithes are Flush mount.
-  Please replace "x" in the part n° by the code of the needed colour:  
 R = red; Y = yellow; G = green; B = blue; W = white

<b>Wx9301</b>	<b>Miniature switch momentary action, non terminated</b>
<b>Wx9302</b>	<b>Miniature switch momentary action, terminated</b>
<b>Wx9303</b>	<b>Miniature switch latching, non terminated</b>
<b>Wx9304</b>	<b>Miniature switch latching, terminated</b>

## Push switches



- i** Standard label for the switches is:  
Function label: Plain color.  
Please order specific foil of labels separately.  
All the switches are Flush mount.

- i** Please replace "x" in the part n° by the code of the needed colour:  
R = red; Y = yellow; G = green; B = blue; W = white

Wx9401

Switch single pole, momentary action

250VAC / 24VDC - 6A

Wx9402

Switch 2 positions

## Conventional Manual Call Point &amp; Switches Accessories

## Surface Mounting boxes



- i** Please replace "x" in the part n° by the code for the needed colour:  
Y = yellow; G = green; B = blue; W = white

SR0T

Surface mounting box red

Sx0T

Surface mounting box other color

## Foil with labels for Call Points &amp; Switches

- i** Each foil contains 48 labels.

MCP-LABEL F 007

Foil with 'PLAIN RED' labels



MCP-LABEL F 010

Foil with 'BRAND FEU' labels (black on red)



MCP-LABEL F 028

Foil with 'ALARME INCENDIE' labels (black on red)



MCP-LABEL F 056

Foil with 'BRAND FEU' labels (black on yellow)



MCP-LABEL F 081

Foil with 'FEU' LABELS (black on yellow)



MCP-LABEL F 082

Foil with 'BLUSKNOP' labels (black on yellow)



MCP-LABEL F 014

Foil with 'BRAND' labels (black on red)



MCP-LABEL F 103

Foil with 'GASBLUSSING' labels (black on yellow)



MCP-LABEL F 108

Foil with 'ALARME EVACUATION' labels (white on red)



MCP-LABEL F 120

Foil with 'BRAND ALARM' labels (black on red)



MCP-LABEL F 138

Foil with 'ALERTE INCENDIE' labels (black on red)



MCP-LABEL F 141

Foil with 'BRAND' labels (black on yellow)



MCP-LABEL F 217

Foil with 'EXTINCTION' labels (black on yellow)



MCP-LABEL F 218

Foil with 'RUNNING MAN' labels (white on green)



MCP-LABEL F 220

Foil with 'BIJ NOOD DEUR OPEN' labels (white on blue)



MCP-LABEL F 222

Foil with 'EN54 BURNING HOUSE' labels (white on red)



MCP-LABEL F 228

Foil with 'DEUR ONGRENDELING' labels (white on blue)



MCP-LABEL F 235

Foil with 'ALERTE WAARSCHUWING' labels (black on red)



MCP-LABEL F 244

Foil with 'UITSTEL BLUSSING' labels (white on blue)



## Sounders



 Base (see below) NOT included.

- Dimensions (W x H x D): 124 mm x 92 mm x 41.5 mm
- Weight: 175g
- Operating Voltage Range: 9-33 Vcc at 24VDC
- Current: 112mA at 24 Vdc (800Hz continuous, high volume)

**VdS number: G297008; CPD number: 0832-CPD-0314**

**NS4/R** **Standard wall sounder Red**

**NS4/W** **Standard wall sounder White**

**NBS4** **Standard base sounder (4 TONES)**



- Dimensions (Ø x h): 117 mm x 30 mm
- Weight: 180g
- Operating temperature range: -30°C to +70°C
- Operating voltage: 9-33 Vdc
- Current: 12mA at 24 Vdc (800Hz continuous, high volume)
- Cable section: 2.5mm²

CPD number: 0832-CPD-0393

**NBSLID/W** **DBS white front LID-Pack of 10**






White cover for NBS4.

**NBSLID/R** **DBS white front LID-Pack of 10**



Red cover for NBS4.

## Strobes

-  Please replace "x" in the part n° by the code for the needed enclosure colour:  
R = red; W = pure white.
-  Please replace "y" in the part n° by the code for the needed colour of the lens:  
A = amber; R = red.
-  Base (see below) NOT included.

### NX2/x/y

#### Xenon strobe - 2W - 24VDC



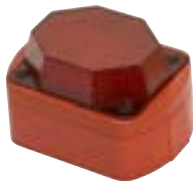
Requires base NBL/x, NBD/x or NBS/x.

##### Specifications

• Dimensions (W x H x D):	124 mm x 92 mm x 41.5 mm
• Weight:	190g
• Strength:	2W
• Current:	120mA at 24 Vdc

### NX5/x/y

#### Xenon strobe - 5W - 24VDC



Requires base NBL/x, NBD/x or NBS/x.

##### Specifications

• Dimensions(W x H x D):	124 mm x 92 mm x 41.5 mm
• Weight:	190g
• Strength:	5W
• Current:	240mA at 24 Vdc

## Combined Sounders & Strobes

### NXS14/R

#### Combined full feature sounder strobe 24Vdc




Red sounder - red clip-on lens.  
Max. 96 dB(A) ±3dB @ 1m.

##### Specifications

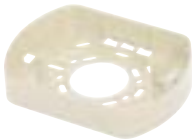
• Dimensions (W x H x D):	124 mm x 92 mm x 72.5 mm
• Weight:	190g
• Operating voltage:	15-33 Vdc
• Operating temperature:	-30°C à +70°C
• Current Consumption:	45mA à 24VDC

Bases

 Please replace "x" in the part n° by the code for the needed colour of the base:  
R = red; W = pure white.

NBL/x

Low profile base - IP44



Low profile unit standing 22mm for surface mounting.  
Rear and side cable access.

Specifications	
• Dimensions (W x H x D):	124 mm x 92 mm x 22.5 mm
• Weight:	62g

NBD/x

Surface base - IP55



Depth 35mm for easy installation.  
20 mm knockout inputs.

Specifications	
• Dimensions (W x H x D):	124 mm x 92 mm x 35 mm
• Weight:	100g

NBS/x

Surface base with sealing kit - IP66



Depth 35mm for easy installation.  
20 mm knockout inputs.

Specifications	
• Dimensions (W x H x D):	124 mm x 92 mm x 35 mm



## Conventional Systems

## Notes



# Extinguishing Systems

## Extinguishing Systems

## Notes

## Extinguishing Panels

### RP1r

### Agent release control panel



- Compact extinguishing panel controlled by double microprocessor.
- Easy configuration by means of built in microswitches.
- 2 conventional zones for detectors and a third one configurable for detectors or call points.
- Manual abort switch and hold switch.
- Day/Night function with delay configured from 30 to 300 sec. and verification time from 1 to 10 min
- Delays disabled from keyboard (optional).
- Input circuit for flow and low pressure and open door monitoring.
- Two release circuits. The second one can be used independently for preactivation.
- Countdown timer display which indicates the seconds left for release.
- 40 leds to quickly identify events.
- Relays for prealarm, alarm in extinguishing process, disabled release, release circuit fault and fault relay
- Operating mode: Automatic, Manual and Disabled.
- Digital input for remote actions configurable as: system reset, evacuation, silence or delay on/off.
- Plug-in terminals for all connections.
- Software for status visualization from the PC with remote connection option.
- Approved to EN54-2/4 and EN12094/1:2003.
- BOSEC and CPD approved

The RP1r control panel has been designed to efficiently manage the automatic release sequence of any extinguishing system of gas, CO2 (according EN12094:1/2003 requirements), foam, dust, aerosol or sprinklers.

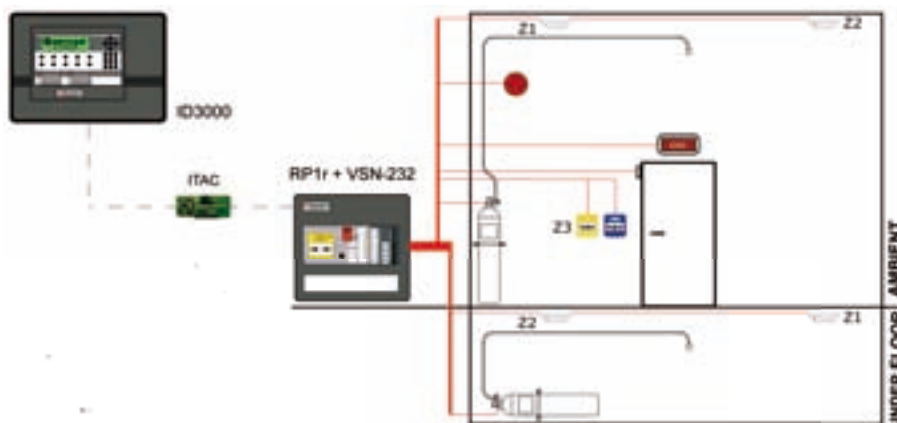
The RP1r compact control panel includes: a switched 65W power supply with battery charger; three input zones to connect directly to two-wire conventional detectors and external release call point; two monitored and electronically protected output circuits and two sounder outputs with different frequencies to identify each of the extinguishing stages (preactivated mode, activated mode, hold/abort and soak). The front panel includes system status leds, a 2-digit countdown timer, a gas release call point, a GAS sign and a keyswitch for operating mode selection: automatic, manual or disabled.

There are circuits for low and flow pressure monitoring and open door control; input circuits for hold and release abort call points and nine status relays (preactivated, activated and extinguishing release in process), general fault output, release output, automatic release inhibited output and fault output in release circuit.

#### Specifications

- |                                 |  |
|---------------------------------|--|
| • Power supply:                 | 90 - 264Vac; 50/60Hz.  |
| • Quiescent current:            | 125mA max.   |
| • Total max. current:           | 2.4Amp   |
| • Batteries:                    | 2 x 7A/h.  |
| • Load max. current:            | 300mA  |
| • Battery fuse:                 | F4L 250V (4Amp)  |
| • Outputs:                      | - 2 monitored sounder outputs<br>2 x 250mA                                 |
|                                 | - 2 aux. power supply outputs<br>2 x 250mA (resettable and non-resettable) |
|                                 | - 2 release circuits 1Amp max. each circuit                                |
| • Operating temperature:        | from -5°C to +40°C   |
| • Operating humidity:           | 95% max. RH  |
| • Environmental classification: | Class A  |
| • IP rating:                    | IP30   |
| • Dimensions (W x H x D):       | 379 mm x 356 mm x 95 mm  |

**CPD number: 134-CPD-045**



## VSN-LL

## Key switch for level 2 access



## VSN-232

## RS 232 serial interface



Windows configuration tools included.

### Specifications

- Weight: 113g

## ITAC

## Interface module RP1r



Communication card to transmit the information of the extinguishing central to the intelligent NF30/50 or NF3000.

### Specifications

- ITAC should be installed inside RP1r box from which it is powered by means of the 4 supplied cables.
- Relay included, 1Amp. NO/NC/C general fault.
- 16 leds to inform about 16 events max.
- Shortcircuit isolator option.
- 2 rotoswitches provided to select the start module addresses (01-99) in the loop.
- 2 plug-in connectors with 3 terminals each one (+, - and shield).

- Dimension (H x W x D): 50 mm x 125 mm x 40 mm

## VSN-4REL

## 4 Relay board



Necessary to comply with EN12094:1/2003.

### Specifications

- Weight: 200g
- Dimension (H x W x D): 357 mm x 382 mm x 94 mm
- Operating temperature: -5°C to +45°C
- Humidity: 5% to 95% R.H.

## RP1r-RACK

## 19" Rack adapter for RP1r



For rack mounting RP1r.  
Made in black lake iron of 7U. height

## Manual Control Units

**ECP-804900**

**Manual release call point - class B**



Includes: yellow housing, key for reset and enclosure opening.  
EN12094-3 compliant.  
Labels in Dutch, French, English and German.

**ECP-804902**

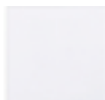
**Electric stop push button - class B**



Includes: blue housing, key for reset and enclosure opening.  
EN12094-3 compliant.  
Labels in Dutch, French, English and German.

**ESS-704910**

**Break glass**



Break glass for manual call points ECP-804900 and ECP-804902.

**ESS-704917**

**IP55 kit for ECP call points**

Pack of 10.

1

2

3

4

5

6

7

## Sprinkler Panels

### NF3000/SMC series



Note that sprinkler panels are always shipped separately. This may incur additional freight costs in case other products were ordered at the same time/order.

99 detectors and 99 modules per loop.

Includes key switch to block transmission/control output.

19" box IP55, Batteries not included.

Notifier offers a full line of monitoring devices for your sprinkler systems. This line of sprinkler system products incorporates many advanced features that assure you higher quality, greater reliability, proven performance and easier, trouble-free installation.

**Meets NEN12845 Standard.**

#### NF3000/64 SMC

##### Intelligent sprinkler panel 64 zones (dutch text)

Includes 64 zones. Each zone can be configured as alarm (red) or technical supervision (yellow).

Size: 15U.

#### NF3000/128 SMC

##### Intelligent sprinkler panel 128 zones (dutch text)

Includes 128 zones. Each zone can be configured as alarm (red) or technical / supervision (yellow).

Size: 21U.

## Peripherals devices



Please note that a specific training is needed for the installation of the below items.

#### 020-479

##### NF3000 Isolated RS485 module kit



Includes PCB for isolated RS485 port for peripherals such as repeaters. Uses 1 panel COM port.

#### IDR-6A-SMC

##### Intelligent sprinkler repeater for NF3000/SMC



Includes status indication leds and text insert label kit.

##### Specifications

- Dimensions (W x H x D): 255 mm x 165 mm x 55 mm

020-741

## IDR-CM Compact MIMIC main board kit



Compatible with NF30/50 and NF3000 Panels. 16 outputs on board and up to 9 expansion boards (020-742) can be added (drive led's or relays), giving max. of 160 outputs.  
5 led outputs (Power ok, Test, Gen. Fault, Disablement & Fire) and 6 inputs (Key switch, Evacuate, Mute buzzer, Silence sounders Lamp test & Reset). Requires ext. 24Vdc Power source.  
For use with "local zones".

020-742

## IDR-CME MIMIC Expansion board kit



Provides 16 LED's or relays outputs. Up to 9 expansion boards can be daisy chained. Requires 020-741 IDR-CM Mimic main board.  
For use with "local zones".

020-573

## IDR-M MIMIC Control pca kit



Mimic control PCA Kit. Supports up to 8 Mimic Drivers.  
Requires external 24Vdc Power source.  
Requires minimum one 020-574. For use with "network zones".

020-574

## IDR-MD MIMIC Driver and terminal board



Mimic Driver and terminal board PCA Kit. Provides 64 LED'S or relays outputs and 8 inputs.  
Up to 8 Mimic Drivers can be daisy chained.  
Requires Mimic Control PCA Kit and external 24Vdc Power source.  
For use with "network zones".

## Emergency Fire Signalling Panels



Optical and acoustic signalling panels suitable for any risk situation such as fire, flooding, gas extinguishing, etc.  
Panels are delivered without labels that have to be ordered separately.  
The housing material is a self-extinguishing thermoplastic, white color and the diffuser is a clear self-extinguishing polycarbonate.



Order labels separately.

A5053 SS

## Xenon light signalling panel

### Specifications

- |                           |                         |
|---------------------------|-------------------------|
| • Weight:                 | 700g                    |
| • Dimensions (W x H x D): | 365 mm x 180 mm x 50 mm |
| • Rated current:          | 65 mA @ 24V DC          |
| • IP rating:              | IP30                    |

**A5553 SS**

**Xenon light signalling panel IP65**

## Specifications

- Weight: 720g
- Dimensions (W x H x D): 325 mm x 130 mm x 80 mm
- Operating temperature: from -10°C to +50°C
- Rated current: 65 mA @ 24V DC
- IP rating: IP65

**A5055 SS**

**LED's light signalling panel**

## Specifications

- Weight: 700g
- Dimensions (W x H x D): 365 mm x 180 mm x 50 mm
- Rated current: 58 mA @ 24V DC
- IP rating: IP30

**A5555 SS**

**LED's light signalling panel IP65**

## Specifications

- Weight: 900g
- Dimensions (W x H x D): 325 mm x 130 mm x 80 mm
- Operating temperature: from -10°C to +50°C
- Rated current: 58 mA @ 24V DC
- IP rating: IP65

## Text labels



For 5500 series add a "W" after the label code.

**A08670N**

**“BRANDALARM”**

**A08671N**

**“ONTRUIMINGSALARM”**

**A08672N**

**“VERBODEN TOEGANG - GASALARM”**

**A08666**

**“EXTINGUISHING IN PROGRESS”**

**A08667**

**“ALARM”**

**A08668**

**“FIRE ALARM”**

**A08669**

**“DO NOT ENTER”**

**A08670**

**“ALARME INCENDIE”**

**A08671**

**“EVACUATION IMMEDIATE”**

**A08672**

**“ENTREE INTERDITE”**

<b>A08673</b>	<b>“EINTRITT VERBOTEN”</b>
<b>A08674</b>	<b>“FEUERALARM”</b>
<b>A08675</b>	<b>“TIEFGARAGE SOFORT VERLASSEN”</b>
<b>A08676</b>	<b>“BETRETEN VERBOTEN - GASALARM”</b>
<b>A08660</b>	<b>“ALLARME INCENDIO”</b>
<b>A08664</b>	<b>“ABBANDONARE IL LOCALE”</b>
<b>A08658</b>	<b>“VIETATO ENTRARE SPEGNIMENTO AUTOMATICO IMMINENTE”</b>



Other labels can be custom made (min. 100 pcs)



**NEW**

## Sprinklers Systems Monitoring

### Water Flow Detectors



- Compliant with Construction Products Directive
- EC Certificate Number 0786-CPD-40151
- WFD30-2E models install in 50.8mm (2") hole sizes
- IP54-rated enclosure
- Sealed retard mechanism assures that the retard is not contaminated by dust and dirt when the cover is removed
- Visual switch activation permits installer to accurately set the retard, even under extremely noisy conditions
- Rugged, dual SPDT switches are enclosed in a durable terminal block for added strength
- 100% synchronization activates both alarm panel and local bell simultaneously
- 3 year warranty

**Robust Construction.** The WFDE series consists of a rugged, IP54-rated enclosure. Designed for both indoor and outdoor use, the WFDE series operates across a wide temperature range, from 0°C to 68°C.

**Reliable Performance.** WFDE models are equipped with tamperresistant cover screws to prevent unauthorized entry. Inside, two sets of SPDT (Form C) synchronized switches are enclosed in a durable terminal block to ensure reliable performance.

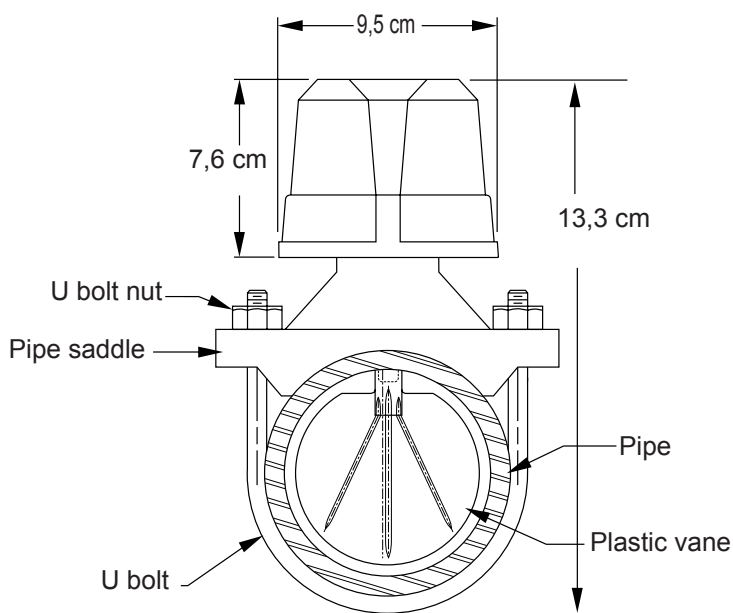
**False Alarm Immunity.** The WFDE series incorporates a mechanical retard feature, which minimizes the risk of false alarm due to pressure surges or air trapped in the sprinkler system. In addition, the mechanical retard's unique sealed design is immune to dust and other contaminants.

**Simplified Operation.** The WFDE series is designed to simplify installation. Two conduit openings permit easy attachment to the local alarm system. The retard mechanism and dual SPDT switches are field-replaceable.

UL listed and FM & CPD approved (only for the references ending by "E")

**CPD number: 0786-CPD-40151**

**Overall Dimensions, Installed**



#### ORDERING INFORMATION

Model	Pipe Size	Hole Size
WFD20E	50mm (2")	31.8mm (1¼")
WFD25E	65mm (2½")	31.8mm (1¼")
WFD30-2E	80mm (3")	50.8mm (2")
WFD40E	100mm (4")	50.8mm (2")
WFD60E	150mm (6")	50.8mm (2")
WFD80E	200mm (8")	50.8mm (2")

## WFD20E

## Waterflow detector for use with 2" pipe (50,8mm)



### Specifications

- Weight: 1,94kg
- Static pressure rating: 250 PSI
- Operating temperature range: 0°C to 68°C
- Enclosure rating: IP54

## WFD25E

## Waterflow detector for use with 2,5" pipe (63,5mm)



### Specifications

- Weight: 1,94kg
- Static pressure rating: 450 PSI
- Operating temperature range: 0°C to 68°C

## WFD30-2E

## Waterflow detector for use with 3" pipe (76,2mm)



### Specifications

- Weight: 2,04Kg
- Static pressure rating: 450 PSI
- Operating temperature range: 0°C to 68°C

## WFD40E

## Waterflow detector for use with 4" pipe (101,6mm)



### Specifications

- Weight: 2,36Kg
- Static pressure rating: 450 PSI
- Operating temperature range: 0°C to 68°C

## WFD60E

## Waterflow detector for use with 6" pipe (152,4mm)



### Specifications

- Weight: 3,1Kg
- Static pressure rating: 450 PSI
- Operating temperature range: 0°C to 68°C

## WFD80E

## Waterflow detector for use with 8" pipe (203,2mm)



### Specifications

- Weight: 3,62Kg
- Static pressure rating: 450 PSI
- Operating temperature range: 0°C to 68°C



## Pressure switches

### EPS10-1

### Alarm Pressure Switches



The EPS10-1 has a single SPDT switch. The EPS10 Series features field adjustable pressure sensitivity to provide an alarm response between 4 and 20 psi. It is factory set to respond at 4 – 8 psi on rising or falling pressure. The EPS10 Series switches are NEMA 4 rated.

#### Specifications

- Weight: 540g
- Maximum operating pressure: 250 PSI
- Operating temperature range: –40°C to 71°C
- Dimensions (H x W x L): 13cm x 8.4cm x 10.8cm

### EPS40-1

### Field-adjustable pressure switch



The EPS40-1 has a single SPDT switch. The EPS40 Series features field adjustable pressure sensitivity to provide an alarm response between 10 and 100 psi. The EPS40-1 is factory set to respond at 30 psi at decreasing pressure.

#### Specifications

- Weight: 540g
- Maximum operating pressure: 250 PSI
- Operating temperature range: –40°C to 71°C
- Dimensions (H x W x L): 13cm x 8.4cm x 10.8cm

### OSY2

### Supervisory switch



**Robust Construction.** The OSY2 consists of a rugged housing, intended for indoor and outdoor use. When installed with the actuator in the vertical position, the OSY2 is NEMA 3R rated per UL.

**Application Flexibility.** The OSY2 features a user-friendly mounting bracket and adjustable shaft to permit mounting to most OS&Y valves, ranging in size from 1" to 12".

Its right angle design and wide bracket span provides maximum clearance for valve components, to accommodate troublesome valves.

Removing the OSY2's gate valve bracket allows the unit to monitor side-bracketstyle pressure reducing valves.

#### Specifications

- Weight: 1.3kg
- Operating temperature range: 0°C to 49°C
- Dimensions (H x W x L): 14.6cm x 8.9cm x 8.2cm

### PIBV2

### Supervisory switch of control valves

### WFDT

### T-TAP water flow detector 1-1.5"



**Special  
Equipments**

 **NOTIFIER<sup>®</sup>**  
by Honeywell

## Special Equipments

## Notes

## Aspirating Systems

## FAAST



- Detection as precise as 0.0015 %/m obscuration
- Five alarm levels and two sensitivity modes provide application flexibility
- Dual flow detection including both ultrasonic and electronic sensing for pipe and chamber air flow measurement
- A single device protects up to 2000 m<sup>2</sup>
- Advanced detection algorithms reject common nuisance conditions
- Patented particle separator and field-replaceable filter remove contaminants from the system
- PipelQ™ software provides intuitive system layout, configuration, and monitoring all in one package
- Using the onboard Ethernet interface, you can monitor the detector from any internet browser, smart phone or mobile device with VPN capability. You can also configure the detector to e-mail status updates to appropriate personnel.
- Fault indicators exhibit a broad spectrum of events
- Unique air flow pendulum graph verifies pipe network functionality
- Particulate graph displays subtle environmental changes for early problem indications
- 5 programmable alarm levels for latching or non-latching as well as a 0 to 60 second delay to best accommodate local codes or environments
- At startup FAAST self-adapts to its environment in just 24 hours, not weeks. The exclusive Acclimate mode automatically adjusts within your specified parameters to reduce nuisance alarms and adjust to current conditions.

The FAAST 8100 aspirating smoke detector combines dual source (blue LED and infra-red laser) optical smoke detection with advanced algorithms to detect a wide range of fires while maintaining enhanced immunity to nuisance particulates. This enables FAAST to accurately detect incipient fire conditions as early as 30 to 60 minutes before a fire actually starts for Early Warning Fire Detection and Very Early Warning Fire Detection.

For initial system creation, the PipelQ software guides users through pipe layout. The software also provides intuitive control over system configuration and ongoing system monitoring.

An installed device can be monitored through its integral display, from a computer connected to the device, or remotely through a computer browser or mobile device when the detector is connected to the Internet via its Ethernet port.

When Internet-connected, FAAST can also e-mail status updates to appropriate personnel. The detector can communicate alarm levels, urgent and minor faults, and isolate inputs via eight form C relays.

To enable a full detection strategy, FAAST combines its advanced communications capabilities with an extensive range of customizable settings. The detector provides five alarm levels that can be programmed for latching or non-latching relays.

To accommodate specific codes or environments, alarm delays can be set anywhere between 0 to 60 seconds. FAAST also supports two sensitivity modes: In Acclimate™ mode, the detector automatically adjusts itself to current environmental conditions to reduce nuisance alarms.

Day/Night/Weekend mode enables technicians to preset alarm thresholds based on routine changes in the environment.

## Specifications

• Dimensions (H x W x D):	337 mm x 330 mm x 127 mm
• External Supply Voltage:	18-30 Vdc
• Remote Reset Time:	External monitor must be pulled low for a minimum of 100 ms
• Power Reset:	1 sec.
• Avg. Operating Current:	500 mA @ 24 VDC
• Operating Temperature:	0°C to 38°C
• Humidity Range:	10 to 95% (non-condensing)
• IP Rating:	IP30
• Coverage Area:	up to 2000 m <sup>2</sup>

## A300 Series hybrid aspiration detectors



The A300 series is a range of aspiration products that provide different levels of sensitivity that work in various situations. This also contributes to a decrease in false alarm occurrence.

The new unit also enables the detectors to become an integral part of the main fire detection system with direct communication from the panel to the installed detectors.

The A300 series is a range of aspiration products that provide different levels of sensitivity that work in various situations. This also contributes to a decrease in false alarm occurrence. The new unit also enables the detectors to become an integral part of the main fire detection system with direct communication from the panel to the installed detectors.

**All versions of the A300 series comply with EN 54-20 standards and are CPD (0786 - CPD - 20734) and VdS Approved (G206067).**

### Specifications

• Dimensions (W x H x D):	194 mm x 258 mm x 145 mm
• Material:	PC/ABS
• Operating voltage range:	18 to 30Vdc (24Vdc Nominal)
• Temperature range:	-10°C to +55°C
• IP Rating:	IP65
• Humidity:	10% to 93% non condensing relative humidity

### A310-1N

#### Single Channel Aspiration Detector - low sensitivity

This unit houses one VIEW™ detector. The detector is mounted in a B524IEFT-1 isolator base. This unit is able to be used in areas where high sensitivity is not required, lowering both the false alarm occurrence and the maintenance costs.

### Specifications

• Weight:	1.670kg
• Maximum Pipe Length:	100m

### A310-2N

#### Single Channel Aspiration Detector - high sensitivity

This unit provides high sensitivity detection for areas that require faster or more accurate detection. For example, a computer server room where very early detection can prevent the loss of valuable data or areas with reduced access like under floors.

### Specifications

• Weight:	1.670kg
• Maximum pipe Length	100m/channel

**A320-2N****Dual Channel Aspiration Detector - high sensitivity**

The A320-2N dual channel system contains two built-in VIEW™ detectors and two B524IEFT-1 isolator bases. This unit provides high sensitivity detection for areas that require faster or more accurate detection. For example, a computer server room where very early detection can prevent the loss of valuable data or areas with reduced access like under floors.

**Specifications**

- Weight: 1.750kg
- Maximum Pipe Length: 100m/channel

**A200 series detectors stand alone aspiration detectors**

The A200 series Stand Alone Aspirating Detectors is designed for instances where the high sensitivity that is normally inherent in Aspiration detectors is an unnecessary expense or nuisance due to false alarms.

The A200 series Stand Alone Aspiration Detectors will be connected to your system by using the on-board clean contacts to raise alarm condition.

- Plastic housing (IP65 optional)
- Supply voltage 18-30VDC
- One or two Fire relays (depend type)
- One or two Fault relays (depend type)
- IP50 rating (IP65 optional)

**VdS Approved EN54-20 (G206067)**

**A211E-LSR****Stand alone aspirating system 1 channel (max 75m)**

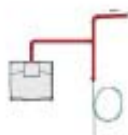
Includes 1 laser Detector.

**A222E-LSR****Stand alone aspirating system 2 channels (max 2 X 50m)**

Includes 2 laser detectors.

**Accessories for A300 and A200 aspirating systems****VSP-850-G****External filter for very harsh environment**

Horizontal mounting, 2 inlets 25mm (old part number: 02-FLU2).

**02-WT-01****External water trap kit**

Traps the water condensation.

**PFIL-EXT****External filter for very harsh environment**

Vertical mounting.

## VESDA LaserFocus

## EVLV-250

## Air Sampling Smoke Detector



- Swift-Start™ Operation
- SonicFlow™ (Ultrasonic Airflow Sensing)
- Laser-based absolute smoke detection
- Pre-engineered pipe network designs
- Programmable alarm thresholds
- Clean air barrier optics protection
- Instant recognition display
- Instant fault finder™
- AutoLearn™ smoke
- AutoLearn™ flow
- Field service access door
- Multiple event logging in separate logs
- Event log – up to 18,000 events
- Offline/online configuration capability
- Up to 250 m² coverage

The VESDA VLF-250 Air Sampling Smoke Detector provides very early warning smoke detection performance for the protection of small, business critical environments of 250m² or less.

The air sampling detection concept works by continually drawing ambient air through sampling holes in a pipe network. Upon entering the unit the sampled air is filtered and passed into the detection chamber where light scattering technology detects the presence of very small amounts of smoke. As the amount of detected smoke increases the revolutionary circular Smoke Dial™ provides the user with an instant understanding of a smoke event, even from a significant distance. Detector status information is communicated externally via relays or optional interface cards.

## Specifications

• Voltage:	24V DC Nominal (18-30 V DC)
• Current @ 24 VDC:	220 mA nominal, 295 mA in alarm
• Dimensions (W x H x D):	255 mm x 185 mm x 90 mm
• Weight:	Approx. 2 kg (4.4 lbs)
• IP Rating:	IP30
• Detector Ambient:	0 °C to 40 °C (32 °F to 104 °F)
• Sampled Air:	0 °C to 40 °C (32 °F to 104 °F)
• Humidity:	5% to 95% (non-condensing)
• Maximum pipe lengths:	1 x 25 m (Max. 12 holes) / 2 x 15 m per branch (Max. 6 holes per branch)

## EVLV-500

## Early warning smoke detector



- Out-of-the-box installation and commissioning
- Ultrasonic airflow sensing
- Laser-based absolute smoke detection
- Pre-engineered pipe network designs
- Programmable alarm thresholds
- Clean air barrier optics protection
- Instant recognition display
- Instant fault finder™
- AutoLearn™ smoke
- AutoLearn™ flow
- Field service access door
- Multiple event logging in separate logs
- Event log – up to 18000 events
- Offline/online configuration capability
- Up to 500 m² coverage\*

The VESDA VLF-500 detector is a very early warning smoke detector designed to protect small, business-critical environments of less than 500m².

The detector works by continually drawing air into sampling holes in a pipe network. The air is filtered and passed into a detection chamber where light scattering technology detects the presence of very small amounts of smoke. Detector status information is communicated on the detector display and via relays or optional interface cards.

## Specifications

• Voltage:	24V DC Nominal (18-30 V DC)
• Dimensions (W x H x D):	255 mm x 185 mm x 90 mm
• Weight:	Approx. 2 kg
• IP Rating:	IP30

## VESDA LaserCompact (VLC)



- Absolute smoke detection
- Wide sensitivity range
- Single pipe inlet
- Five (5) status LEDs
- Referencing
- VESDAnet communication (VN)
- Clean air barrier optics protection
- Three (3) Alarm Levels
- Three (3) Programmable Relays
- Air flow monitoring
- Optional remote display and relay capability
- Simple mounting design
- AutoLearn™

The VESDA VLC detector has been specifically designed to provide all the benefits of aspirating smoke detection, including very early warning, in single environment small areas and where space is a premium.

The VLC combines the well-proven VESDA VLP detection technology with a modified aspirator design, and incorporates them into a compact enclosure with a simplified display.

The VLC is available in two versions, one that interfaces via relays only (RO) and one that interfaces via relays and VESDAnet (VN).

The VN version is compatible with the remote Display Module, which allows the current status of the detector to be reported in the most convenient location. The remote Display Module has 7 remote relays to support any combination of signalling that may be demanded by the application. The VN version allows several detectors to be linked together on VESDAnet thereby allowing one to act as a reference detector for other VESDA detectors.

## Specifications

• Supply voltage:	18 to 30 VDC
• Power consumption:	5.4 W quiescent, 5.9 W in alarm
• Current consumption:	225 mA quiescent, 245 mA in alarm
• Fuse rating:	1.6 A
• Dimensions (W x H x xD):	225 mm x 225 mm x 85 mm
• Weight:	1.9 kg (4.2 lbs.)
• Operating conditions:	Tested to -10°C to 55°C
• Recommended Detector Ambient:	-10°C to 39°C
• Sampled Air:	-20°C to 60°C
• Humidity:	10% to 95% RH, non-condensing
• Sampling network:	Maximum area of Coverage 800m <sup>2</sup>
• Maximum pipe lengths:	1 x 80 m, 2 x 50 m
• Computer design tool:	ASPIRE2™
• Pipe:	- internal diameter: 15 mm – 21 mm (9/16"–7/8") - external diameter: 25 mm (1")
• Relays:	3 Relays rated 2 A @ 30 VDC / Fire (NO) / Pre-Alarm (NO) / Alert/Fault (Maintenance & Isolate) (NC/NO) / Configurable as latching or non-latching
• IP rating:	IP30
• Cable access:	4 x 25 mm (1") cable entries
• Cable termination:	Screw Terminal blocks 0.2–2.5 mm <sup>2</sup> (30–12 AWG)
• Alarm sensitivity range:	0.005% to 20% obs/m

## EVL-500RO

## VESDA VLC – Relays Only



LaserCompact detector capable of monitoring up to 800m<sup>2</sup>.

Alarm and pre alarm adjustable from 0,005% to 20% obs./m.

The LaserCompact detector is fitted with 3 relays (Fire, Pre-alarm and Fault) and a RS-232 connection. The RS-232 connection makes commissioning of the unit simple especially with the VSC software.

## Specifications

• Max. total pipelength:	1 x 80 m or 2 x 50 m
• Power supply:	24Vdc
• IP Rating:	IP30

## EVLC-500VN

### Detector via relays and VESDAnet



LaserCompact detector with same specifications as EVLC-500RO however fully compatible with all other detectors from the VESDA range for a simple integration in a RS485 loop of detectors (VESDAnet).

#### Specifications

- Power consumption: 170mA and 190mA in alarm
- Power supply: 24Vdc

## EVLC-50000-MRN

### VESDA LaserCOMPACT – Marine RO

EVLC-500RO, however Bureau Veritas approved (Marine and offshore).

## EVLC-50500-MRN

### VESDA LaserCOMPACT – Marine VN

EVLC-500VN, however Bureau Veritas approved (Marine and offshore).

## VESDA LaserPlus detector

### EVLP-400

#### LaserPlus detector



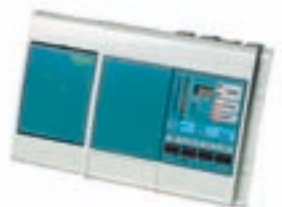
LaserPlus detector capable of monitoring up to 2000m<sup>2</sup>.  
Alarm and pre alarm adjustable from 0,005% to 20% obs./m.  
The LaserPlus detector is particularly well suited for controlling various fire extinguishing systems e.g. sprinklers and gasextinguishing installations.  
The detector standard comes with seven software programmable relays. The DualStage filter ensures that the laserchamber is provided with clean air, to prevent that the optical parts being polluted by dust.  
Comes with three blank plates, one with two signalling LED's (Fire 1 alarm and OK), enclosure IP30.

#### Specifications

- Maximum total pipe length: 200 meters
- Maximum individual pipe length: 100 meters
- Power consumption (without programmer or display): 460mA @ 4200rpm
- Voltage: 24VDC

### EVLP-002

#### LaserPlus with display



LaserPlus detector with the same specifications as the EVLP 400, comes however with a standard display module for reading the actual status of the detector including alarm levels and system faults.  
The display is equipped with four push buttons for Mode, Mute, Reset and Isolate.

#### Specifications

- Power consumption (detector and display): 520mA @ 4200 rpm

## EVLP-012

## LaserPlus display programmer



LaserPlus detector with the same specifications as the EVLP 002, however comes with a standard programmer module for configuring and servicing the detector. With the push buttons and integrated display all values can be entered and read.

**Specifications**

- Power consumption (detector with display and programmer): 580mA

## VESDA Laser Scanner

- Individual pipe identification
- Adaptive Scan Threshold
- Wide sensitivity range
- Laser based smoke detection
- VESDAnet™ communication
- 4 alarm levels per sector
- High efficiency aspirator
- Clean air barrier optics protection
- Easy to replace air filter
- 7 or 12 programmable relays option
- AutoLearn™
- Referencing
- Event log
- Recessed mounting

The VESDA VLS is similar to the standard VESDA VLP detector, but also includes a valve mechanism in the inlet manifold and software to control the airflow from the four sectors (pipes). This configuration enables a single VESDA zone to be divided into four separate sectors, for example, distinguishing between separate voids within a room.

**Specifications**

- Dimensions (W x H x D): 350 mm x 225 mm x 125 mm
- Weight: 4kg (including Display and Programmer modules)
- Supply Voltage: 18–30 VDC
- IP Rating: IP30
- Maximum total pipe length: 200 meters
- Maximum individual pipe length: 100 meters

## EVLS-600

## LaserScanner detector



LaserScanner detector capable of monitoring up to 2000m². Alarm and pre-alarm adjustable from 0,005% to 20% obs./m.

The LaserScanner detector is able to secure and monitor up to four different zones. In normal operation the detector draws air from all zones.

When the smoke level reaches the Adaptive Scan Threshold, the Scanner will retrace the source of the smoke and scan each pipe individually.

Comes with three blank plates, one with signalling LED's.

**Specifications**

- Power consumption (without programmer or display): 400mA @ 4200rpm

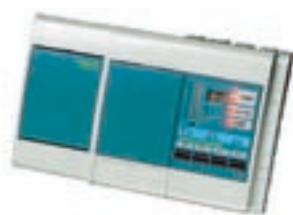
## EVLS-700

## LaserScanner three blank plates/leds 12 relays

Same specifications as EVLS-600 but with 12 software programmable relays.

## EVLS-204

### LaserScanner detector standard display



LaserScanner detector with the same specifications as the EVLS-600, comes however with a standard display module for reading the actual status of the detector including alarm levels and system faults. The display is equipped with four push buttons for Mode, Mute, Reset and Isolate. plus 76mA in alarm.

#### Specifications

- Power consumption (detector with display): 460mA @ 4200rpm
- Voltage: 24Vdc
- Power consumption (without programmer or display): 400mA @ 4200rpm

## EVLS-304

### LaserScanner with display 12 relays

Same specifications as EVLS 204 but with 12 software programmable relays.

## EVLS-214

### LaserScanner with display and programmer 7 relays



LaserScanner detector with the same specifications as the EVLS-204, however comes with a standard programmer module for configuring and servicing the detector. With the push buttons and integrated display all values can be entered and read.

#### Specifications

- Power consumption (detector with display and programmer): 580mA
- IP Rating: IP30

## EVLS-314

### LaserScanner with display and programmer 12 relays

Same specifications as EVLS-214 but with 12 software programmable relays.

## VESDA FireTracer



- 15 pipe air sampling
- 0.01% to 20% obscuration/m (0.003% to 6.10% obscuration/ft)
- 4 Alarms - Alert, Action, Fire 1, Fire 2
- 15 x 50 m microbore sampling pipe
- Enhanced 0.7 bar rotary vane vacuum pump
- Ethernet TCP/IP
- RS232 and RS485 Modbus
- 5 relay outputs and expandable
- Optional relay module and 4 to 20 mA analog outputs module
- Area coverage of up to 1500 m<sup>2</sup>

VESDA VFT-15 detectors are multi-channel microbore air-sampling systems with an alarm sensitivity range from 0.01% to 20% obscuration/m (0.003% to 6.10% obscuration/ft). These detectors are classified as Very Early Warning Smoke Detectors and can reliably detect fire at an early stage, and low to high concentrations of smoke. As a multi-channel system, the VFT detector is able to divide a protected space into sampling sectors, enabling the localization of a fire for faster incident response.

The detectors are configurable for a variety of environments, providing ideal fire detection solutions for cabinets, Electronic Data Processing (EDP) rooms, prisons, historic houses, custody suites, museums and art galleries.

## Specifications

• Dimensions (W x H x D):	490 mm x 355 mm x 200 mm
• Supply Voltage:	Nominal 24 VDC
• IP Rating:	IP30
• Relay Outputs:	4 alarm relays, 1 fault relay Rated 2A @ 30VDC NO/NC Contacts
• Aspirator:	0.7 bar rotary vane vacuum pump
• Power consumption:	1.3A normal operation, 2.33A in scanning mode
• Connections:	TCP/IP, RS232 and RS485
• Power supply:	24Vdc

## EVFT-15

## FireTracer 15 (Class A,B &amp; C)



FireTracer detector capable of monitoring up to 1500m<sup>2</sup>.

Alarm and pre-alarm adjustable from 0,01% to 20% obs./m.

The FireTracer detector is ideal for monitoring up to a maximum of 15 separate areas (zones), while providing precise location in case of fire.

Standard suitable for four programmable alarm levels. Connectors for 6mm tube (15 x 50 meter maximum) and a maximum of 30 sampling holes.

## EN54-20 approved for class A, B and C

- Class A: 0.1% obs/m (0.03% obs/ft)
- Class B: 0.1% obs/m (0.03% obs/ft)
- Class C: 1.0% obs/m (0.3% obs/ft)

## EVFT-15C

## FireTracer 15 (Class C)



FireTracer detector capable of monitoring up to 1500m<sup>2</sup>.

Alarm and pre-alarm adjustable from 0,1% to 20% obs./m.

The FireTracer detector is ideal for monitoring up to a maximum of 15 separate areas (zones), while providing precise location in case of fire.

Standard suitable for four programmable alarm levels. Connectors for 6mm tube (15 x 50 meter maximum) and a maximum of 30 sampling holes.





## EN54-20 approved for class C

## EVFT-V921

## VFT remote display



VFT remote display. For being able to remotely reading status of the VFT-15 and VFT-15C detectors.

<b>EVFT-E606</b>	<b>4-Channel Relay Module</b>
	Relais module for 4 extra contacts (maximum four modules per detector).
<b>EVFT-E624</b>	<b>8-Channel 4-20mA output Module</b>
<b>EVFT-E922</b>	<b>Remote Display</b>
	Mini RDU RS485 for 19" rack mounting.
<b>EVFT-E9220</b>	<b>Blanc plate for rack</b>
<b>EVFT-E2001</b>	<b>6mm flexible tube, length 100 meter</b>
<b>EVFT-E2002</b>	<b>Coupler for 6 mm tube</b>
<b>EVFT-E2003</b>	<b>T-piece for 6 mm tube</b>
<b>EVFT-E3000</b>	<b>RVS sampling point 6mm connection</b>
<b>EVFT-FL01</b>	<b>EOL Filter 6 mm connection</b>
<b>EVIC-010</b>	<b>VESDAnet Interface Card</b>
	VESDAnet interface card for LaserFocus detector. Should be used when integrating a VLF detector in a VESDAnet.
<b>EVIC-020</b>	<b>Multifunction Control Card (MCC)</b>
	Multi function control card for LaserFocus detectors. This expansion card gives two extra alarm relays and one extra General Purpose Input.
<b>EVIC-030</b>	<b>Multifunction Control Card (MCC) with Monitored Powered Output</b>
	Multi Function control card for LaserFocus detectors. This expansion card gives three extra alarm relays (of which one can be programmed as Monitored Powered output) and one extra General Purpose Input.

## VESDA remote modules



- Provides Immediate Status
- Reporting for a Single VESDA Zone
- Allows Zone Control of Assigned
- Xtralis VESDA Detector
- High Intensity Alarm LEDs
- Remote Relay Option
- 20-Segment Vertical Bar Graph Display
- Alarm Threshold Indicators
- Built-In Sounder for Audible Warning
- Comprehensive Fault Reporting
- Multi-mode Numeric Display (defaults to smoke obscuration)
- Recessed Mounting Option

Display modules provide real-time indication of the status of a Xtralis VESDA detector. They have a 20-segment vertical bar graph display, a 2 digit numeric display, an audible sounder, clear alarm and fault indicators. They also have 4 push button keys to control the detector and the display mode.

The Display Module can be mounted into a detector unit, a remote mounting box or a 19" sub rack. Several displays can be configured to display information from a single detector in multiple locations.

**Specifications**

- |                            |                          |
|----------------------------|--------------------------|
| • Weight:                  | 1.9 kg                   |
| • Dimensions (W x H x D) : | 140 mm x 150 mm x 85 mm  |
| • Supply Voltage: 1        | 8 to 30 VDC              |
| • Operating Temperature:   | 0° to 39°C               |
| • Humidity:                | 10-99% RH non-condensing |

**EVRT-100****Programmer in mounting box Scanner & Plus**

Programmer in mounting box for remote programming a LaserPLUS. LaserSCANNER detector. Comes with termination card without relays.

**EVRT-200****Plus display in mounting box and 7 relays**

LaserPLUS display in mounting box for remote monitoring the actual status of the detector. Comes with termination card and 7 relays.

**EVRT-600****Plus display in mounting box without relay**

LaserPLUS display in mounting box for remote monitoring the actual status of the detector. Comes with termination card without relays.

**EVRT-400****Scanner display in mounting box and 7 relays**

LaserSCANNER display in mounting box for remote monitoring the actual status of the detector. Comes with termination card and 7 relays.

**EVRT-700****Scanner display in mounting box without relay****EVRT-800****Scanner display in mounting box with 12 relays****EVRT-W00****Focus display in mounting box without relays****EVRT-V00****Focus display in mounting box with 7 relays****EVRT-J00****Compact display in mounting box with 7 relays****EVRT-K00****Compact display in mounting box without relay****EVRT-J00-MRN****Compact display in mounting box Marine approved****EVRT-300****Vesdanet socket in mounting box****EVRT-500****Plus, Scanner en Compact Termination card in box with 7 relays**

EVRT-E00	Scanner Termination card in mounting box with 7 relais
EVRT-900	Scanner Termination card in mounting box with 12 relays
EVRT-S07	Vesdanet relais module in mounting box with 7 relays
EVRT-A10	Analog output module in mounting box

## VESDA 19' Rack Configuration

EVSR-0	Blank plate
EVSR-A	Programmer without termination card
EVSR-1	Programmer with remote termination card without relay
EVSR-2	Standard display with termination card with 7 relays
EVSR-3	VESDAnet socket
EVSR-4	LaserScanner display with termination card with 7 relays
EVSR-5	Termination card with 7 relays and relay processor
EVSR-6	Standard display with remote termination card without relay
EVSR-7	LaserScanner display with termination card without relay
EVSR-8	LaserScanner display with termination card and with 12 relays
EVSR-9	Termination card with 12 relays and with relay processor
EVSR-J	LaserCompact VesdaNet display with 7 relays
EVSR-K	LaserCompact VesdaNet display without relay
EVSR-V	LaserFocus display with remote termination card and with 7 relays
EVSR-W	LaserFocus display without relay
EVSR-0000	Base Sub-Rack (always required)

## VESDA Programming Tools

EVHX-200	HLI
EVHX-300	HLI Open protocol
EVHX-1200	Vesdanet socket and HLI in metal enclosure



EVHH-100	Handheld programmer
E101-001	HLI to PC Modem

## VESDA Programming Software

EVSW-206	VSM4 software VESDANET
EVSW-216	License VSM4 for multiple PC's, price per PC
EVSW-226	VSM4 upgrade (for upgrading older versions of VSM3)
EVSW-346	VESDAnet license
EVSW-356	Detector license
EVSW-366	Focus license
EVSW-600	Emailing module VSM4
EVSW-501	Text to speech module





## VESDA Programming Tools

EVRT-000	Mounting box
EVSR-0000	19" subrack incl. 4 blank plates
EVSP-000	Blank plate with VESDA logo
EVSP-001	Scanner and Plus programmer module
EVSP-002	Plus display module
EVSP-003	Vesdanet socket kit
EVSP-004	Scanner display module
EVSP-005	Filter cartridge for all Vesda units (except VFT-15 and VFT-15C)
EVSP-006	Plus detector chassis
EVSP-007	Remote termination card without relay
EVSP-008	Remote termination card with 7 relays
EVSP-009	Scanner detector chassis, incl. scanner
EVSP-011	Recessed mount kit for LaserScanner or Plus detector
EVSP-012	Recessed mount kit for remote mounting box EVRT-000
EVSP-013	EMC detector cover assembly
EVSP-014	Head Termination Card with 7 relays.
EVSP-015	Aspirator for LaserPlus and Scanner.
EVSP-016	Head Termination Card with 12 relays.
EVSP-018	Filter switch

EVSP-019	Filter cover
EVSP-020	Screw covers, pack of 2
EVSP-021	Imperial pipe adaptors, pack of 4
EVSP-100	Blank plate with LED's and VESDA logo
EVSP-102	Non-Scanner relay processor module
EVSP-103	Scanner relay processor module
EVSP-200	EMC blank plate without logo
EVSP-208	Remote termination card with 12 relays
EVSP-501	Aspirator for LaserCompact detectors
EVSP-502	Remote display module for VESDAnet LaserCompact (VN)
EVSP-509	Programming cable for LaserCompact (RO) and Focus detectors
EVSP-510	Termination card for LaserCompact (RO)
EVSP-515	Termination card for LaserCompact (VN)
EVSP-715	Aspirator for LaserFocus detectors

## Sampling Pipes & Fittings

### Red

ABS 008/25	Pipe diameter 25 mm - 3 metres long, pack of 10
	<p>3 metres long Pipe with external diameter of 25mm and interior diameter of 21mm with ABS material. Red color.</p> <p><b>Specifications</b></p> <ul style="list-style-type: none"> <li>Weight: 5kg (30 meters)</li> </ul> <p> This product is also available in white color. See below.</p>
ABS 001/25	90° Sweeping bend diameter 25mm red, pack of 10
	<p><b>Specifications</b></p> <ul style="list-style-type: none"> <li>Weight: 146g (for 10 units)</li> </ul> <p> This product is also available in white color. See below.</p>


**ABS 002/25**

**45° Sweeping bend diameter 25mm, pack of 10**



## Specifications

- Weight: 260g (for 10 units)

 This product is also available in white color. See below.

**ABS 030/25**

**90° flexible sweeping bend diameter 25mm, transparant**



**ABS 003/25**

**Socket union diameter 25 mm, pack of 10**



 This product is also available in white color. See below.


**ABS 004**

**Pipe clips - red, pack of 10**



## Specifications

- Weight: 76g ( for 10 units)

 This product is also available in white color. See below.

**ABS 005/25**


**Jointing socket diameter 25 mm, pack of 10**



Jointing socket between two externals 25mm diameters tubes.

## Specifications

- Weight: 120g (10 units)

 This product is also available in white color. See below.

**ABS 005-1**

**25mm to 27mm adapter, pack of 10**



 This product is also available in white color. See here below.


**ABS 006/25**

**T' piece diameter 25mm, pack of 10**



## Specifications

- Weight: 266g (10 units)

 This product is also available in white color. See below.

**ABS 007/25**

**End cap diameter 25mm, pack of 10**



## Specifications

- Weight: 66g (10 units)



This product is also available in white color. See here below.

**ABS 010**

**Warning labels for capillary sampling point, roll of 100 pieces**



## Specifications

- Weight: 50g

**ABS 011**

**Cement 250ml**

## White

**ABS 008/25-WH**

**Pipe diameter 25 mm - 3 metres long, pack of 10**



**ABS 001/25-WH**

**90° Sweeping bend diameter 25mm, pack of 10**



**ABS 002/25-WH**

**45° Sweeping bend diameter 25mm, pack of 10**



**ABS 003/25-WH**

**Socket union diameter 25 mm white, Pack of 10**



**ABS 004-WH**

**Pipe clips - white, pack of 10**



**ABS 005/25-WH**

**Jointing socket diameter 25 mm, pack of 10**



**ABS 005-1-WH**

**25mm to 27mm adapter, pack of 10**

**ABS 006/25-WH**

**T' piece diameter 25mm, pack of 10**



**ABS 007/25-WH**

**End cap diameter 25mm, pack of 10**



## Remote Sampling point Assemblies

### Red

**ABS 019C/25**

**Capillary sampling point- conical head pipe**



To connect on a ABS 008/25 pipe.

**ABS 019F/25**

**Capillary sampling point-flush disc**



To connect on a ABS 008/25 pipe.

**ABS 020/25**

**Capillary sampling point- discrete sampling point 8mm**



To connect on a ABS 008/25 pipe.

**ABS 019C/25EC**

**Capillary end cap sampling point- conical head**



To connect on a ABS 008/25 pipe.

**ABS 019F/25EC**

**Capillary END CAP sampling point-flush disc**



To connect on a ABS 008/25 pipe.

**ABS 020/25EC**

**Capillary END CAP sampling point- discrete sampling point 8mm**



Point 8mm to connect on a ABS 008/25 pipe.

## White

**ABS 019C/25-WH**

**Capillary sampling point - conical head pipe**

To connect on a ABS 008/25 pipe.

**ABS 019F/25-WH**

**Capillary sampling point - flush disc**

To connect on a ABS 008/25 pipe.

**ABS 020/25-WH**

**Capillary sampling point - discrete sampling point 8mm**

To connect on a ABS 008/25 pipe.

**ABS 019C/25EC-WH**

**Capillary end cap sampling point - conical head**

To connect on a ABS 008/25 pipe.

**ABS 019F/25EC-WH**

**Capillary END CAP sampling point - flush disc**

To connect on a ABS 008/25 pipe.

**ABS 020/25EC-WH**

**Capillary END CAP sampling point - discrete sampling point 8mm**

Point 8mm to connect on a ABS 008/25 pipe.

**Components****Red****ABS CAP-RED****10mm Nylon tube - red (per metre)****ABS 021/25****Capillary end cap for ABS 008/25 pipe**

Reduces 25 m pipe to 10mm pipe.

**ABS 022/25****Capillary t piece for ABS 008/25 pipe**

Reduces 25 mm pipe to 10mm pipe.

**White****ABS 021/25-WH****Capillary end cap for ABS 008/25-WH pipe**

Reduces 25 m pipe to 10mm pipe.

**ABS 022/25-WH****Capillary t piece for ABS 008/25-WH pipe**

Reduces 25 mm pipe to 10mm pipe.

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## Smoke & Heat Evacuation Systems



The multilingual SAHEP-4 panel is a smoke and heat evacuation panel built in a compact and attractive box. The system includes features like safety power supply, remote control input, smoke detector input, monitoring of wind and rain conditions, priority function for Fire brigade and 4 motor outputs.

**CE approved**

### SAHEP-4N

#### Smoke and heat evacuation panel for 4 motors

2 X 2,1Ah Batteries included.

### SAHEP-4N.DH

#### Smoke evacuation panel for door holders

2 X 2,1Ah Batteries included.

### SAHEP-WRD1

#### Wind & rain detector control unit



Surface Mount Box included.

### SAHEP-RD

#### Rain detector



Compatible with WRD1.

### SAHEP-WD

#### Wind detector



Compatible with WRD1.

## Spindle motors

**SAHEP-DS24VDC350****Motor 24VDC 650N 5 cm IP65****SAHEP-DS24VDC550****Motor 24VDC 650N 55 cm IP65****SAHEP-DS24VDC750****Motor 24VDC 650N 75 cm IP65****SAHEP-DS24VDC950****Motor 24VDC 200N 95 cm IP65****SAHEP-DUO24VDC550****Motor 24VDC 600N 55 cm IP65 for dual arms****SAHEP-DUO24VDC750****Motor 24VDC 600N 75 cm IP65 for dual arms****SAHEP-DUODR550****Slave ARM for DUO 55cm**

Requires Assembling kit SAHEP-TT130

**SAHEP-DUODR750****Slave ARM for DUO 75cm**

Requires Assembling kit SAHEP-TT160

**SAHEP-TT130****Assembling kit for duo 55cm****SAHEP-TT160****Assembling kit for duo 75cm**

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## Sagittarius Series



SAGITTARIUS is a highly advanced wire to wireless system providing a solution for fire detection applications where traditional installations may be unacceptable or uneconomic.

The system is based on a proven protocol and wireless technology derived from the European security industry.

Compatible with the NF series of intelligent panels, these devices integrate seamlessly onto the loop wiring via a loop powered translator module that provides up to 32 wireless fire detectors and devices.

Multiple translators can be installed on each loop.

The translator provides for full sensor intelligent values on the European Frequency of 868 Mhz, fire and fault information and type ID's to be transmitted to the fire control panel.

All devices are delivered with batteries.

**LPCB approved to EN54-25**

### Specifications

- Operating frequency range: 868 MHz - 870 MHz

## SG-IDP-RM1

### Receiver interface module



Loop powered up to 32 wireless devices.

Bi-directional dialogue protocol.

7 transmission channels available (868 MHz).

### Specifications

- Usable operating frequency channels: 7
- Current: max 25mA

## SGWE-BE

### Wireless signal booster



Provides an extended signal coverage area up to 6 boosters per interface locally powered (12-24 Vdc) up to 32 wireless devices.

Bi-directional dialogue protocol.

7 transmission channels available (868 MHz).

3 free programmable relays.

1 monitored output.

Serial output for communication with SG-PU.



Maximum 3 SGWE in parallel connection.  
Maximum 6 SGWE in series.

### Specifications

- Usable operating frequency channels: 7
- Power supply voltage range: from 9V to 27V
- Current consumption: 85mA
- Weight: 330g

## SGCWE100

## Sagittarius conventional system - Expander module



- Bi-directional communication.
- 868.15 MHz—869.85MHz.
- FSK modulation.
- Multi-channel (up to 7 channels).
- Automatic management of power transmission.
- Double orthogonal antenna provides reliable and secure communication.
- Immediate transmission of alarm, fault and tamper signals from field devices.
- Flexible on site device adjustment.

The Sagittarius conventional system expander is a module device permitting to add a wireless sub-system to a conventional fire security installation. This device is connected directly to the conventional control panel's zone line and is actually part of it. This device allows wireless sounders silencing by being controlled by the control panel's sounder output line.

## Specifications

- Communication range between expander and wireless devices: 200 meters (in open space)
- Modulation type: FSK
- Operating frequency channels: 7
- Radiated power: 5 dBm (3 mW)
- Power supply voltage range: - 9 VDC - 27 VDC  
- 12 VDC typical
- Power supply lower fault threshold: 9 VDC
- Conventional zone line applied voltage: Same as device's power supply applied voltage
- Sounder's line maximum voltage: 27 VDC
- Expander maximum current consumption: 60 mA at 12 VDC (alarm)
- Operating temperature range: -30 °C to +50 °C
- Dimensions (without antannas): 120 mm x 160 mm x 51 mm
- Weight: 330 gramms
- Ingress protection rating: IP 51C

## SG-PU

## Display module with keypad



Wireless communication with receiver.



Only for conventional application.  
Not compatible with SG-IDP-RM1.

## SG100

## Wireless optical smoke detector



Includes 360° bicolor LED & base.

## Specifications

- Radiated power: 5dBm
- Main battery: Type CR2032A
- Weight: 150g
- Dimensions: 110 mm x 54 mm

**CPD approved: 0832-CPD-1069**

## SG200

## Wireless multi-tech optic / heat detector



Includes 360° bicolor LED & base.

## Specifications

- Radiated power: 5dBm
- Weight: 150g
- Dimensions: 110 mm x 54 mm

**CPD approved: 0832-CPD-1070**

## SG350

## Wireless heat detector



Includes 360° bicolor LED & base.

### Specifications

- Operating frequency channels: 7
- Alarm threshold: Programmable from 58°C to 78°C with translator


**CPD approved: 0832-CPD-1068**

## SG/SC

## Decorline Supplement for special coated detector



Available colors on request.

 Minimum order quantity of 50 pcs.

## SGCP100

## Wireless manual call point



Complies EN54-11.  
Includes surface mounting box & break glass.

### Specifications

- Radiated power: 5dBm
- Dimensions: 86 mm x 86 mm x 59 mm
- Weight: 186g

## SGMI100

## Wireless monitored input module

## SGMC100

## Wireless control module



With relay (requires external power supply).

### Specifications

- Operating Voltage: 10-27VDC (50mA)
- Radiated power: 5dBm
- Dimensions: 109 mm x 37 mm
- Weight: 52g

## SGMCB100

## Wireless control module



With relay output (works on batteries).

### Specifications

- Radiated power: 5dBm
- Dimensions: 87 mm x 87 mm x 40 mm
- Weight: 150g

**SGRS100-H****Wireless sounder max 100db, 3 tones red****Specifications**

- Performance standard: EN54-3:2001
- Radiated power: 5dBm
- Protection rating: IP53
- Tones: 3 tones, Including Slow-woop tone (Netherlands)

**SGRS100-H/W****Wireless sounder max 100db, 3 tones white****SGWRS100-H****As SGRS100-H but water proof****SGWRS100-H/W****As SGRS100-H/W but water proof****SGRS100-AV-H****Wireless sounder-flash red****Specifications**

- Dimensions: 106 mm x 91 mm
- Weight: 240g
- Performance standard: EN54-3
- Sound output (selectable): 100 dB or 90 dB

**SGRS100-AV-H/W****As SGRS100-AV-H but white****SGWRS100-AV-H****As SGRS100-AV-H but water proof****SGWRS100-AV-H/W****As SGRS100-AV-H/W but water proof****SGBE100****Wireless strobe red**

The SGBE100 wireless strobe beacon is an output device which, activated by the control panel, switches on in the event of alarm or emergency conditions.

**Specifications**

- Radiated power: 5dBm
- Dimensions: 93 mm x 53 mm
- Weight: 110g
- IP rating: IP54

**SGBE100/W****Wireless strobe white****SGRBS100****Wireless sounder base**

The SGRBS100 wireless sounder base is an acoustic output device that is activated in case of fire or emergency situations. Meets EN54 part 3.

**Specifications**

- Usable operating frequency channels: 7
- Main battery type: CR123A (3 V & 1.2 Ah)
- Operating temperature range: From -10 °C to +55 °C
- IP rating: IP 21C
- Maximum volume range @ 1m : From 89 dBA to 91 dBA
- Tones: 32, incl. Slow-whoop Tone (NL)

## SGRBS100-AV

### Wireless audiovisual sounder base

The SGRBS100-AV wireless audiovisual sounder base is an output device that combines together acoustic and visual signaling features performed in case of fire or emergency situations. SGRBS100-AV's incorporated beacon's flash rate and light intensity are fixed. Meet EN 54 part 25.

#### Specifications

- Usable operating frequency channels: 7
- Main battery type: CR123A (3 V & 1.2 Ah)
- Operating temperature range: From -10 °C to +55 °C
- IP rating: IP 21C
- Maximum volume range @ 1m : From 90.1 dBa to 92.4 dBa
- Tones: 32

## SGVA100

### Sound evacuation speaker



The SGVA100 wireless voice annunciator is an output device which reproduces voice messages and can be activated, in the event of alarms, faults or emergency conditions, by the control panel. Up to 3 voices messages can be recorded and/or chosen on each device, each having a maximum duration of 32 seconds.

#### Specifications

- Usable operating frequency channels: 7
- Main battery type: CR123A (3 V & 1.2 Ah)
- Operating temperature range: From -10 °C to +55 °C
- Diameter: 170 mm
- Weight: 410g

## SGFI100

### Remote led indicator



The SGFI100 wireless remote indicator lamp is an output device which, activated by the control panel, switches on in the event of alarms, faults or emergency conditions.

#### Specifications

- Usable operating frequency channels: 7
- Main battery type: CR123A (3 V & 1.2 Ah)
- Operating temperature range: From -10 °C to +55 °C
- Dimensions: 87 mm x 87 mm x 68 mm
- Weight: 180g

## CR-123

### Main lithium battery for wireless devices



Provides approx. 5 years autonomy (1PC/device).

## CR-2032

### Back up lithium battery for wireless devices



Provides approx. 6 months added autonomy (1PC/device).

## Linear Heat Detection

Linear Heat Detection (LHD) cable-based systems provide economical temperature monitoring at the precise point of risk. The system is reliable, flexible and has the ability to detect abnormal temperature variance before fire breaks out. The LHD product allows a vast range of commercial and industrial fire and overheating risks to be protected, in ambient temperature of -65 to +238°C.

Classic applications: Cable tunnels, floating roof tanks, conveyors bulk storage, rail locomotives, rolling stock, vehicle engine bays, etc..

### LHD-LWM1

#### Electronic interface module



- Sensor length up to 300 m
- Resistant to mechanical and chemical influences, corrosion, humidity and dust
- Easy to install, economic, low maintenance, simple commissioning
- Suitable for use in EX classified areas

The LWM-1 Linear Heat Detection System allows early detection of fire or overheating. It is especially suited for confined areas or harsh environments where adverse ambient conditions cause other detection devices to be unreliable or difficult to use.

The system consists of two components: the sensor cable and the Alarmline control unit LWM-1.

#### Specifications

• Housing material	ABS
• Dimensions (WxHxD):	200 mm x 120 mm x 80 mm
• Weight approx.:	550 g
• Protection class:	IP 65
• Colour:	grey similar to RAL 7035
• Temperature range:	-20 °C to 50 °C
• Length of sensor per control unit:	max. 300 m, min. 10 m
• Voltage:	10-30 V dc
• Quiescent current consumption:	max. 25 mA (at 24 V)
• Current consumption on:	max. 25 mA (at 24 V)
• Current consumption on fault max.:	15 mA (at 24 V)
• In-rush current (on power up):	< 100 mA (at 24 V)

**VdS approved Num: G 20 50 66**

**Approved to EN54 Part 5**

### LHD-BLUE

#### Standard high resistance intelligent cable



Recommended for environments ranging from clean and dry to moderate dust and moisture.

 All sensor cable is supplied in 100m increments to a maximum of 1000m.

### LHD-BLACK

#### Nylon coated high resistance intelligent cable



Recommended for use in wet, oily or corrosive environments or outdoors. Use in freezer warehouse.

 All sensor cable is supplied in 100m increments to a maximum of 1000m.

## LHD-BRONZE

### Bronze braided high resistance intelligent cable



Recommended for applications requiring superior abrasion protection or increased tensile strength.


 All sensor cable is supplied in 100m increments to a maximum of 1000m.

## LHD-STAINLESS

### Nylon stainless steel braided high resistance intelligent cable



Recommended for extreme environments.  
Price per metre.

 All sensor cable is supplied in 100m increments to a maximum of 1000m.

## LHD-EC2.3


### Edge clip, 2-3mm WEB



 Neoprene sleeves & ties needed.

## LHD-EC3.8

### Edge clip, 3-8mm WEB

 Neoprene sleeves & ties needed.

## LHD-EC8.18

### Edge clip, 8-14mm WEB

 Neoprene sleeves & ties needed.

## LHD-EC14.2

### Edge clip, 14-20mm WEB

 Neoprene sleeves & ties needed.

## LHD-DP

### 200mm distance piece for edge clip



 Order Edge Clip & Neoprene Sleeving separately.

 Neoprene sleeves & ties needed.

## LHD-TC

### T clip



 Order Edge Clip & Neoprene Sleeving separately.

 Neoprene sleeves & ties needed.

**LHD-PC**

**Pipe clip**



 Order Edge Clip & Neoprene Sleeving separately.


 Neoprene sleeves & ties needed.

**LHD-VC**

**V clip (incl. rubber)**



Order Edge Clip & Neoprene Sleeving separately.

 Neoprene sleeves & ties needed.

**LHD-CT**

**Cable ties (100/set)**



**LHD-NS**

**Neoprene sleeving**



**LHD-ELTK**

**End line termination kit**

Pack of 10.

**LHD-ILJK**

**In line jointing kit**

Pack of 10.

**MTL7761AC**

**Intrinsically Safe Zener Barrière**



**B6782-071**

**Barriere encloser for 2 x MTL7761AC**

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## Industrial Heat Detectors



Thermal rate of rise detectors of the TMP2 series detectors guarantee high measure precision for long periods and high immunity from EMI interference. TMP2 detectors have an integrated alarm LED for alarm indication. Both peculiarities confer to TMP2 high performance, reducing probability of false alarms.

Sensors are compatible with all Notifier Control Panels using them like normal smoke detectors. Direct wiring for conventional panels and connection through M710-CZR module, for intelligent panels.

The TMP2 series includes an electronic circuit for signal conditioning generated by the transducer. The electronic card is reduced to the minimum size using SMC technology and placed directly into the unit probe.

Explosion proof TMP2 sensors are designed in compliance with European standard EN54 (EN-54-5 CPD Pending) and are ATEX approved II 2G EEx-d IIC T6.

## Dust type



Mounting box & cable gland included.  
Automatic reset.  
Aluminium IP65 housing.

<b>TMP2-D-A257R1A</b>	<b>Rate of Rise dust thermal detector - 57°C</b>
<b>TMP2-D-C90R1A</b>	<b>Rate of Rise dust thermal detector - 90°C</b>
<b>TMP2-D-D110R1A</b>	<b>Rate of Rise dust thermal detector - 110°C</b>
<b>TMP2-D-A257S1A</b>	<b>Fixed temp. dust thermal detector - 57°C</b>
<b>TMP2-D-C90S1A</b>	<b>Fixed temp. dust thermal detector - 90°C</b>
<b>TMP2-D-D110S1A</b>	<b>Fixed temp. dust thermal detector - 110°C</b>

## Dust type Probes only

<b>TMP2-P-A257R1A</b>	<b>Rate of Rise dust thermal detector - 57°C</b>
<b>TMP2-P-C90R1A</b>	<b>Rate of Rise dust thermal detector - 90°C</b>
<b>TMP2-P-D110R1A</b>	<b>Rate of Rise dust thermal detector - 110°C</b>
<b>TMP2-P-A257S1A</b>	<b>Fixed temp. dust thermal detector - 57°C</b>
<b>TMP2-P-C90S1A</b>	<b>Fixed temp. dust thermal detector - 90°C</b>
<b>TMP2-P-D110S1A</b>	<b>Fixed temp. dust thermal detector - 110°C</b>

ATEX Type



TMP2-TO-A257R1A	Rate of Rise Eexd thermal detector - 57°C
TMP2-TO-C90R1A	Rate of Rise Eexd thermal detector - 90°C
TMP2-TO-D110R1A	Rate of Rise Eexd thermal detector - 110°C
TMP2-TO-A257S1A	Fixed temp. Eexd thermal detector - 57°C
TMP2-TO-C90S1A	Fixed temp. Eexd thermal detector - 90°C
TMP2-TO-D110S1A	Fixed temp.Eexd thermal detector - 110°C

Accessories

TMP2-ST14	EEx-d junction box for end-of-line resistor
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GDA-M/B-KF4A	Mounting Brackets
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Mounting Brackets for heat detectors ATEX type TMP2.

GDA-CH12-NA	ATEX cable gland
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Size 1/2" for ATEX type TMP2, for non armoured cables.

GDA-CH12	ATEX cable gland
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Size 1/2" for ATEX type TMP2, complete of rubber parts, for armoured cables.

TMP_Configurator	Software for TMP2 maintenance & configuration
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Special software for TMP2 heat detectors maintenance and configuration. Data Log capability, Trends, Calibration report, Stand-Alone calibration station. Complete of USB/RS485 connection cable.



## HD Series



Thermal detectors of HD series guarantee high measure precision for long period and high immunity from EMI interference. Both peculiarities confer to HD high performance, reducing the probability of false alarms.

Sensors are compatible with all Notifier Control Panels using them like normal smoke detectors. Direct wiring for conventional panels and connection through M710-CZR module, for intelligent panels.

The HD series includes an electronic circuit for signal conditioning generated by the transducer. The electronic card is reduced to the minimum size using SMC technology and placed directly into the unit probe.

Explosion proof HD sensors are designed in compliance with European standard EN54, CPD certified and following ATEX.

### Specifications

- |                              |               |
|------------------------------|---------------|
| • Dimensions (Ø x h) :       | 95 mm x 42 mm |
| • Weight:                    | 82g           |
| • Ingress Protection rating: | IP67          |

#### HD6295

**IP67 sensor. T°: 60°C**

Mounting box & cable gland included.

**CPD number: 0845-CPD-232.1192**

#### HD6296

**IP67 sensor. T°: 80°C**

Mounting box & cable gland included.

**CPD number: 0845-CPD-232.1193**

#### HD6297

**IP67 sensor. T°: 100°C**

Mounting box & cable gland included.

**CPD number: 0845-CPD-232.1194**

#### HD6298

**IP67 sensor. T°: 120°C**

Mounting box & cable gland included.

**CPD number: 0845-CPD-232.1195**

## Industrial sounders

MS1/R

Industrial sounder MAX. 106dB



## Specifications

- Dimensions (W x H x D): 90 mm x 90 mm x 81 mm

VdS number: G28702

Y05D

Industrial sounder 24V 110dB



## Specifications

- Dimensions (W x H x D): 269 mm x 216 mm x 153 mm
- Operation temperature: -25°C to 55°C
- Storage temperature: -40°C to 70°C
- Weight: 0.55kg (DC), 0.81kg (AC)

VdS number: G26702

Y08D

Industrial sounder 24V 116dB



## Specifications

- Dimensions (W x H x D): 269 mm x 216 mm x 153 mm
- Operation temperature: -25°C to 55°C
- Storage temperature: -40°C to 70°C
- Weight: 2.5kg

Y08/SD\_YA80/D/RF/SU

Industrial super sounder 24V 120dB



## Specifications

- Dimensions (W x H x D): 269 mm x 216 mm x 153 mm
- Operation temperature: -25°C to 55°C
- Storage temperature: -40°C to 70°C
- Weight: 3kg

## Industrial strobes &amp; Combined sounders

MS2/R/R

Xenon strobe - 24VDC - 5W - Red



## Specifications

- Dimensions (W x H x D): 90 mm x 90 mm x 81 mm
- Weight: 240g
- Operating temperature: -40°C to +70°C

Vds number: G28714

MS5/R/R

Industrial strobe and sounder 5 W - 106dB - 32 tones



## Specifications

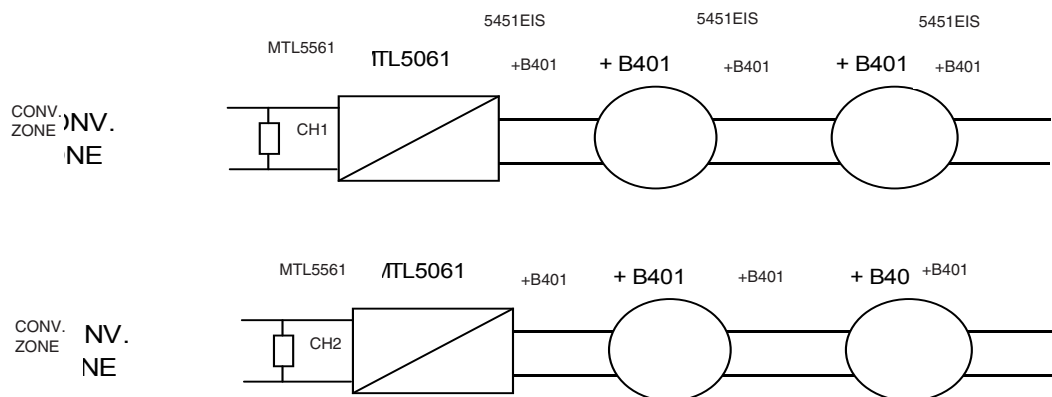
- Dimensions (W x H x D): 90 mm x 179 mm x 81 mm
- Weight: 450g
- Operating temperature: -40°C to +70°C

## Intrinsically Safe Devices

## Detectors



For connection to conventional panel



Maximum 3 detectors per zone

## 5451EISE

## IS Conventional heat detector



- Low profile design
- Low current draw
- Remote LED option
- Simple plug-in installation
- Compatible with standard B401 mounting base
- Built-in test switch
- Tamper-resistant
- Suitable for use in up to Zone 0 environments
- Approved for use with Zener safety barriers or galvanic isolators
- BASEEFA approval to EEx ia IIB T5
- Tested and approved to EN54 – 5:2000 (Amendment 1) Class A1R

Model 5451EIS is an intrinsically safe rate of rise detector with fixed temperature alarm. It uses state of the art dual thermistor technology to provide maximum sensitivity. This detector is designed to afford open area protection and is for use in hazardous areas where potentially explosive atmospheres are likely to arise (confirm classification of equipment required with your responsible authority). Model 5451EIS detectors are designed to be used with compatible panels only.

Each detector has two LEDs to provide a local visual indication of detector status. Once the detector senses a fire, it latches in alarm and remains in this condition until it is reset by a momentary power interruption.

## Specifications

- |                          |                      |
|--------------------------|----------------------|
| • Dimensions (Ø x h):    | 104 mm x 54 mm       |
| • Weight:                | 80g (excluding base) |
| • Operating temperature: | -10°C to +50°C       |
| • Operating voltage:     | 15 to 32 Vdc         |

## 1151EISE


## IS Low profile conventional ionic detector

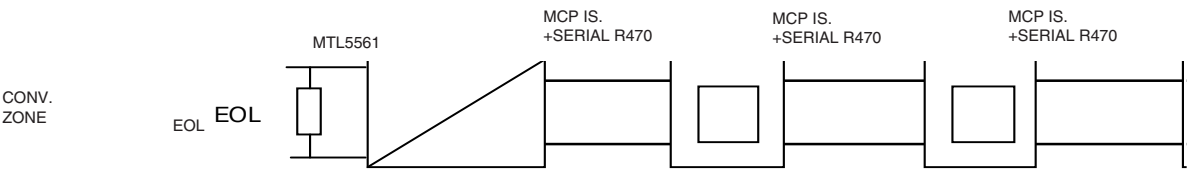


## Specifications

- |                          |                       |
|--------------------------|-----------------------|
| • Dimensions (Ø x h):    | 102 mm x 43 mm        |
| • Weight:                | 110g (excluding base) |
| • Operating temperature: | -10°C to +60°C        |
| • Operating voltage:     | 15 to 32 Vdc          |


Manual Call Points

 Manual Break Glass Fire Alarm Call Points for use with galvanic isolator in hazardous areas.



Maximum 10 MCP per zone



 The red call points are provided with following EN54-11 labels:  
Operating Element label: EN54-11 'dot & arrows'.  
Function label: EN54-11 'Burning House'.  
For other labels, please order specific foil additionally.

Red

**MCP1A-R470FG-01IS** **IS MCP with break glass element 470R**




Includes break glass & monitoring resistor R470.  
Intrinsic safety Rating : Ex II 1 G - EEx ia II T4.

**ATEX number: SIRA04ATEX23520X**

Specifications

- |                                |                             |
|--------------------------------|-----------------------------|
| • Dimensions (W x H x D):      | 93 mm x 89 mm x 59,5 mm     |
| • Weight:                      | 160g                        |
| • Operating temperature range: | -30°C to +70°C              |
| • Operating Voltage Range:     | 14-28VDC (Nominal 24VDC)    |
| • Storage temperature range:   | -40°C to +85°C              |
| • Humidity:                    | 5% to 95% Relative Humidity |
| • Material:                    | ABS                         |

**CPD approved: 0832-CPD-0642; ATEX number: SIRA04ATEX23520X**

 Please order surface mounting box separately.

**MCP1A-R470FF-01IS** **IS MCP with flexible element 470R**

As MCP1A-R470FFIS-01 but with Flexible element.

## MCP3A-R000FG-01IS

## IS MCP with break glass element




Includes break glass & a changeover contact (max 30Vdc).  
Intrinsic safety Rating : Ex II 1 G - EEx ia II T4.

**ATEX number: SIRA04ATEX23520X**

### Specifications

• Weight:	110g flush; 160g surface
• Operating temperature range:	-30°C to +70°C
• Humidity:	0% to 95% Relative Humidity
• Maximum voltage:	30VDC
• IP rating:	IP24

 Please order surface mounting box separately.

## MCP3A-R000FF-01IS

## IS MCP with flexible element

As MCP3A-R470FFIS-01 but with Flexible element.

## WCP1A-R470SG-01IS


## Waterproof IS MCP with break glass element



Includes break glass, a normally open contact (max 30Vdc) & a monitoring resistor 470R.

Intrinsic safety Rating : Ex II 1 G - EEx ia II T4.

**ATEX number: SIRA06ATEX2131X**

 Surface mounting box included.

### Specifications

• Dimensions (w x h x d):	97.5 mm x 93 mm x 65.5 mm
• Weight:	270g
• Operating temperature range:	-30°C to +70°C
• Humidity:	0% to 95% Relative Humidity

**CPD approved: 0832-CPD-0654**

## WCP1A-R470SF-01IS

## Waterproof IS MCP with flexible element

As WCP1A-R470SFIS-01 but with Flexible element.

## WCP3A-R000SG-01IS

## Waterproof IS MCP with break glass element



Includes break glass & a changeover contact (max 30Vdc).  
Intrinsic safety Rating : Ex II 1 G - EEx ia II T4.



Surface mounting box included.

### Specifications

- Dimensions (W x H x D): 97.5 mm x 93 mm x 65.5 mm
- Weight: 360g
- IP rating: IP67

CPD approved:0832-CPD-0654; ATEX number: SIRA06ATEX2131X

## WCP3A-R000SF-01IS

## Waterproof IS MCP with flexible element

### Other colours



Please replace "x" in the part n° by the code for the needed colour:  
Y = yellow; G = green; B = blue; W = white  
Standard lead time for special coloured MCP: 4 weeks



Standards labels for the special coloured MCP are:  
Operating Element label: EN54-11 'dot & arrows'  
Function label: Plain color  
Please order specific foil of labels separately.

## WCP1A-x470SG-01IS

## Waterproof IS MCP with break glass element

## WCP1A-x470SF-01IS

## Waterproof IS MCP with flexible element

## WCP3A-x000SG-01IS

## Waterproof IS MCP with break glass element

## WCP3A-x000SF-01IS

## Waterproof IS MCP with flexible element

MTL5561

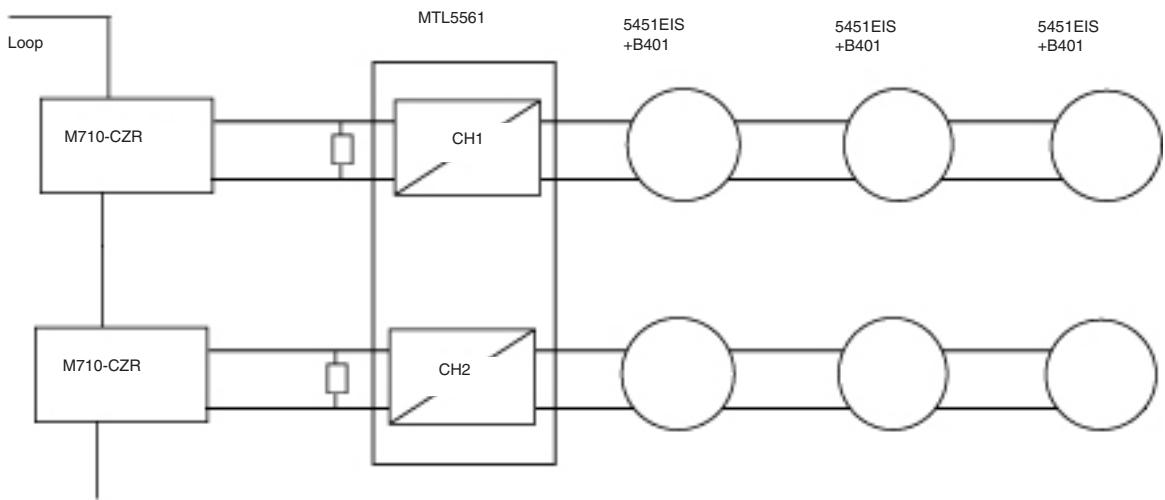
2 Channel galvanic isolator for IS conv. det



Specifications

- Weight: 130g
- Number of channels: 2
- Current range: 1 to 40mA, nominal
- Integral input polarity protection: Input circuit protected against reverse polarity
- Hazardous-area output: Max. output voltage 28V from 300Ω
- Loop supply voltage: 6 to 35VDC

 For connection from conventional zone to intelligent panel



Maximum 3 I.S detectors per zone

M710-CZR

Conventional zone input module



Complete with end of line resistors, plug in screw connections, direct decade address entry and tri-colour LED's complete with built-in isolator.

Specifications

- Max. conventional zone current limit: 60mA
- Operating Temperature: -20°C to 60°C
- Relative humidity : 5% to 95% RH (non-condensing)
- Dimensions (W x H x D): 93 mm x 83 mm x 23 mm
- Weight: 110g

M200-SMB

Surface mount box



To be used with M700 series modules.

Specifications

- Dimensions (W x H x D): 139 mm x 134 mm x 40 mm



For connection to intelligent panel

## Intelligent devices

## IDX-751 EA

## IS Intelligent optical detector



Intrinsic Safety rating: EEx ia IIB T5 .  
Only CLIP protocol 99+99.  
Ideal for installation in zones 0, 1 and 2.  
Ivory color.



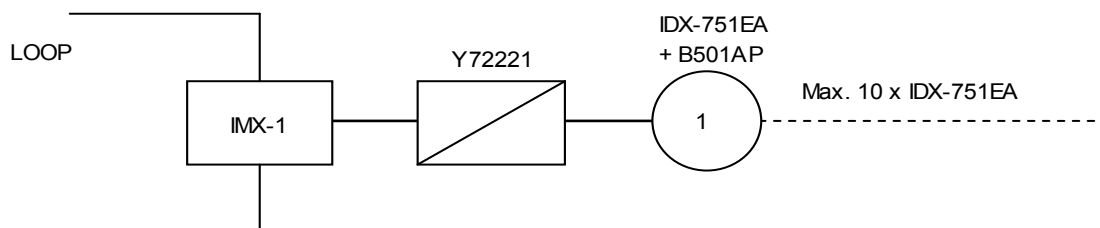
Requires B501AP-IV base, galvanic isolator Y72221 and interface module IMX-1E.

## Specifications

- Dimensions (Ø x h): 102 mm x 47 mm
- Weight: 112.5g (base included)
- Operating voltage: 17 to 24 Vdc
- Weight: 115g

ATEX number: BASEEFA03 ATEX0157X

CPD approved: 0832-CPD-0201



## MCP5A-RP01SF-K013-01IS

## IS Intelligent call point

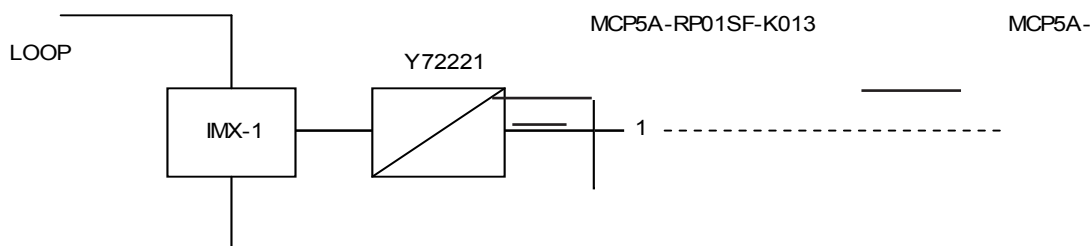


Includes flexible element and surface mounting box.  
ATEX II G Ex ia IICT4/T5.  
Red color.

## Specifications

- Weight: 220g
- Operating temperature: -30°C to +70°C

CPD approved: 0832-CPD-0650



## Y72221

## Galvanic isolator for IS intelligent devices



To be used with IMX-1E and IDX-751EA or MCP5A-RP015F-K013-01IS.

### Specifications

- Weight: 100g
- Input voltage range: 20 to 24VDC
- Current range: 1 to 20mA
- Dimensions (W x H x D): 20 mm x 107,5 mm x 110 mm

## IMX-1E


## Interface module for IS intelligent devices

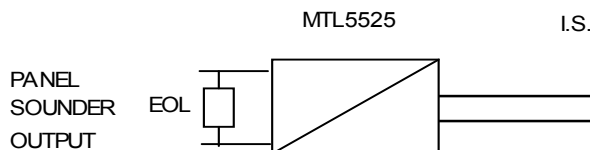
The IMX-1E module allows up to 10 IDX-751EA intrinsic safe detectors on one module, or a maximum of 5 MCP5A-RP015F-K013-01IS.


### Specifications

- Weight: 142g
- Input voltage range: 20 to 24VDC
- Current range: 1 to 20mA
- Dimensions (W x H x D): 70 mm x 70 mm x 32 mm

## Audio &amp; Visual devices

 For use with galvanic isolator in hazardous areas.



 Max 1 sounder per isolator.

## MS1/R/IS

## IS sounder 100dB 32 tones - IP55 - Includes SLOW WHOOP tone



## Specifications

- Dimensions (W x H x D) : 90 mm x 180 mm x 81mm
- Intrinsic safety Rating : Eex.ia IIC.T4&T6

**ATEX number: EECS-BAS02ATEX1190X; VdS number: G28702**

## DA5-24VDC

## IS sounder 100dB 26 tones, 2 inputs - IP65 Includes Slow whoop tone



## Specifications

- Dimensions (Ø x h): 93 mm x 103 mm
- Intrinsic safety Rating : Eex.ia IIC.T4

**ATEX number: BAS00ATEX1259**

## Y05/R/IS

## IS sounder 105dB 32 tones - IP56 Includes Slow whoop tone



## Specifications

- Dimensions (W x H x D) : 169 mm x 134 mm x 128 mm
- Intrinsic safety Rating : Eex.ia IIC.T4&T6
- Weight: 550g
- Operating voltage: 24VDC, 48VDC (BT)
- Operating temperature: -40°C to 70°C

**ATEX number: EECS-BAS02ATEX1190X**  
**VdS number: G28702**

## MTL5525

## Galvanic isolator for IS sounders



## Specifications

- Minimum output voltage: 7V at 48mA
- Maximum output voltage: 24V from 300Ω
- Current limit: 48mA
- Maximum current consumption: 100mA at 24VDC
- Safety description: V0=25V, I0=83.3mA, P0=0.52W, Um=253V rms or dc

## Explosion Proof Devices

## Explosion Proof: Sounders and Beacons

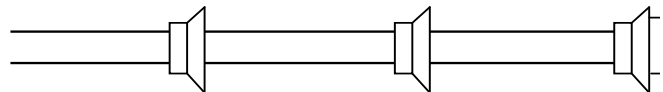


- Omni Directional output sounders
- 2 stage alarm
- Independently selectable 2nd stage
- All units share a common explosion proof housing
- Reduced installation costs
- Meets UL, ATEX and IECEx Approvals
- ATEX approved for Gas & Dust
- Low current consumption
- Dual cable entry, cable in – cable out
- LM8 aluminium enclosure
- Stainless steel fasteners
- Borosilicate glass dome for strength and protection
- Lens guard provided as standard
- Weather proof flame retardant ABS horn
- Red Lens in flame retardant polycarbonate
- Complies with PFEER regulations
- 32 selectable tones meeting international regulations
- Sound selection via DIL switches
- 2 gas groups : IIB and IIC +

## Specifications

- IP rate: IP66 NEMA 4X
- Flash rate: 1 per second
- Operating voltage: 24VC
- Operating temperature: -35°C tot +60°C (gas group IIB)  
-20°C to +60°C (gas group IIB +H2)
- Mounting: Mounting bracket provided, Holes to suit M8, pitch 75mm

CPD approved:0832-CPD-0654

PANEL  
SOUNDER  
OUTPUT

Specify gas group on your order : IIB or IIB+H2.

Y06/R/24V

EEX Sounder 110dB 32 tones - IP66 - Red



## Specifications

- Dimensions (Ø x h): 145 mm x 288 mm
- Weight: 4.7 kg
- Operating voltage: 24V - 350mA

Intrinsic safety Rating : Eex d II B T4

ATEX number: BASEEFA02ATEX0212X

YL6/R/24V

EEX Sounder-strobe 110dB 32 tones - IP66



## Specifications

- Dimensions (Ø x h): 145 mm x 420 mm
- Weight: 5.6 kg
- Operating voltage: 24V - 570mA

Intrinsic safety Rating : Eex d II B T4

ATEX number: BASEEFA02ATEX0212X

V6/R/24V

EEX Proof strobe - IP66 - Red



## Specifications

- Dimensions (Ø x h): 145 mm x 276 mm
- Weight: 4.6 kg
- Operating voltage: 24V - 220mA

**Intrinsic safety Rating : Eex d II BT4**

**ATEX number: BASEEFA02ATEX0212X**

## Explosion proof Flame Detector

FR-24006-01

FIRERAY EExd



- Separate transmitter and receiver units
- Range 10 to 100 metres
- Automatic drift compensation
- 3 selectable sensitivity threshold levels
- Approved to EN54:12

Explosion proof infrared beam smoke detector. End to end type, comprising control unit, explosion proof transmitter and receiver. Including test filter and 1x surface mount wall bracket (23835.00).  
ATEX approved.

## Specifications

- Operating voltage range: 11.5 to 28VDC
- Transmitter current: 1.6 to 5.6mA
- Fire relay contacts: Normally open, VFCO 2A@30VDS, resistive
- Fault relay contacts: Normally closed 2A@30DC, resistive

FR-23835.00

EExd Wall Bracket



Surface Mount Wall Bracket for use with FIRERAY 2000 EExd.  
EExd Beam Detector not included.



## Flame Detectors

### 40/40 Series



- Protection against hydrocarbon-based fuel and gas fires, hydroxyl and hydrogen fires, as well as metal and inorganic fires
- Highest performance, cost effective
- 5 year warranty
- Compliant with IEC 61508 Safety Integrity requirements (SIL2)
- CPD and LPCB certified, according to EN54-10

The new SharpEye 40/40 Series Flame Detectors from Spectrex provide the most comprehensive protection against hydrocarbon-based fuel and gas fires, hydroxyl and hydrogen fires, as well as metal and inorganic fires. The detectors provide early warning of fires at long distances with high immunity to false alarms.

The new 40/40 series designs are the highest performance, cost effective flame detectors currently on the market. New features include a stainless steel housing with a heated window, to eliminate condensation and icing; HART capabilities for digital communications; lower power requirements; and a compact, lightweight but highly durable and weather resistant design. The 40/40 flame detector series is highly reliable, with a newly extended 5-years warranty period and compliance with the IEC 61508 Safety Integrity requirements of SIL2.

A leader in the flame and gas detection industry for over 15 years, Spectrex products are fully certified and employed around the world in a wide range of industrial and commercial facilities.



Standard delivered with a special weather cover.



Test equipment for flame detectors is included in Part 6 of this catalogue.

#### Specifications

- |                           |   |
|---------------------------|---|
| • Dimensions (W x H x D): | 90 mm x 114 mm x 156 mm   |
| • Weight:                 | - Detector (St.St.) 2.5 kg<br>- Detector, aluminum 1.2 kg               |
| • Ex Approved for Zone 1: | ATEX and IECEx  |
| • Operating voltage:      | 24 VDC nominal (18-32 VDC)  |
| • Power consumption:      | - Standby: max 100mA<br>- Alarm: max 150mA (add 50mA for heated window) |

**Approved: LPCB EN54-10, TÜV SIL2, ATEX/IECEX & CPD**

#### 40/40-U

#### UV detector



Detector detects hydrocarbon-based fuel and gas fires, invisible hydrogen flames and fires from hydrides, ammonia, silane and other organic materials with its unique UV solar blind sensor.

**CPD approved: 0832-CPD-0979**

#### 40/40-UB

#### UV detector with built in test kit

**CPD approved: 0832-CPD-0980**

## 40/40-L

## UV/IR dual detector



Models 40/40L (& LB) – A dual UV and IR detector, comprising an IR sensor that operates at a wavelength of 2.5-3.0  $\mu\text{m}$  and a UV solar blind sensor, the 40/40L detects hydrocarbon-based fuel and gas fires, hydroxyl and hydrogen fires, as well as metal and inorganic fires.

**CPD approved: 0832-CPD-0973**

## 40/40-LB

## UV/IR dual detector with built in test kit

**CPD approved: 0832-CPD-0976.**

## 40/40-L4

## UV/IR (4,5 $\mu\text{m}$ ) dual detector



Models 40/40L4 (& L4B) - A dual UV and IR detector, comprising an IR sensor that operates at a wavelength of 4.5  $\mu\text{m}$  and a solar blind UV sensor, the 40/40L detects only hydrocarbon based fuel and gas fires.

**CPD approved: 0832-CPD-0974.**

## 40/40-L4B

## UV/IR (4,5 $\mu\text{m}$ ) dual detector with built in test kit

**CPD approved: 0832-CPD-0975.**

## 40/40-I

## Triple IR detector



Detects hydrocarbon fuel and gas fires at long distances and provides the highest immunity to false alarms with its triple spectrum design. The IR3 can detect a 0.1m<sup>2</sup> gasoline pan fire at 65m in less than 5 seconds.

**CPD approved: 0832-CPD-0972.**

## 40/40-M

## Multi sensor detector



Detects hydrocarbon and hydrogen flames at long distances and provides the highest immunity to false alarms with its multi spectrum design. The 40/40M can detect a gasoline pan fire at 65m, or a hydrogen flame at 30m in less than 5 seconds.

**CPD approved: 0832-CPD-0977.**

## 40/40-R

## Single IR detector



Detects hydrocarbon-based fuel and gas fires, comprising an IR sensor working at 4.5  $\mu\text{m}$  wavelength for maximum sensitivity and provides immunity to false alarms from IR sources such as sunlight and IR projectors.

**CPD approved: 0832-CPD-0978.**

**NEW**

## 40/40-A0000231

## TCC-80 RS-232 to RS-485 convertor

## RIV Series

### RIV-601/F

### IP65 waterproof IR flame detector



The IR flame detector model RIV-601/F is an electronic optical fire detecting device which responds immediately to the thermal infrared radiation emitted by fire and is tuned to the flickering frequency of the flame to ignore sun and lamp light.

It is enclosed in a cast aluminium watertight case with IP66 grade protection, which allows to withstand dusty environment and rain.

#### Specifications

- |                            |  |
|----------------------------|--|
| • Dimensions (W x H x D):  | 180 mm x 80 mm x 98 mm   |
| • Weight:                  | 800g   |
| • Operating Voltage Range: | 10mA stand-by, 40mA in alarm at 24VDC.   |
| • Sensitivity:             | 2-3% of the distance.  |
| • Adjustable alarm delay:  | 1 to 10 sec.   |
| • Output:                  | one changeover relay contact rated 2A 250VAC, and open collector output 50mA/24VDC |

**VdS approved EN 54-10 class 2 (G205044)**

### RIV-601/FA

### RIV-601/F IR flame detector with eex-proof enclosure



### SOR-873

### Variable direction stand for RIV-601/F

### SOA-875

### Variable direction stand for RIV-601/FA

## Mini 20/20 Series



Standard NON Eex.  
Multiple Detection Levels, 90°/90° Cone of Vision.  
Adjustable Time Delay.  
Stainless steel 316.

**CPD approved (0786-CPD20916)**

#### Specifications

- |                                   |   |
|-----------------------------------|---|
| • Power Supply Operating Voltage: | 18-32 VDC   |
| • Power consumption:              | Max. 25 mA in stand-by<br>Max. 50 mA in alarm           |
| • Weight:                         | St.St 316L 1.2 Kg; Plastic 0.3 Kg<br>Tilt Mount 0.37 Kg |

20/20MI-1

Triple IR Detector low powered - 10-40m - ATEX



The SharpEye Mini-IR3 Flame Detector (20/20MI) is a high performance and high reliability compact, selfcontained triple spectrum infrared flame detector.

With the highest immunity to false alarms, the Mini-IR3 has applications in a wide range of industrial and commercial facilities, where the threat of accidental fire involves hydrocarbon fuels such as gasoline, kerosene, diesel fuel, aviation jet fuels like JP-4, JP-5, JP-8, hydraulic fluids, paints and solvents, monomers and polymers like ethylene and polyethylene, natural gas (LNG), town gas and liquefied petroleum gas (LPG), hydrocarbon gases like methane, ethane, propane, butane, acetylene, propylene, etc.

20/20MI-3

Triple IR detector low powered - 2,5-10m - ATEX

## Flame Detectors Accessories

20/20-005

Swivel mount stainless steel for 20/20-M series

20/20-787

Air shield for mini series

20/20M-TOOLS

Commissioning tools kit for mini series

Used for change default delay and default sensitivity.

40/40-ADD-ST

Supplement for a stainless steel housing

40/40-ADD-85

Supplement for a calibration to 85°C

40/40-001

Tilt mount for 40/40 flame detectors



The Tilt Mount is an adjustable mounting bracket to allow the detector to be oriented towards the intended fire detection area to maximise coverage.

40/40-777161

Air shield



The Air Shield enables the connection of a compressed air line to provide an 'air curtain' that helps avoid accumulation of dirt on the detector window thereby reducing maintenance need and frequency in polluted or dirty environments.

40/40-777163

Stainless steel weather cover



The Weather Protector is designed to protect the detector from rain and snow and direct extreme temperatures from the sun (remember our detectors can operate in ambients up to 85°C without protection).

40/40-777166

Laser pointer

The Laser Detection Area Coverage Pointer enables designers and installers to assess and optimise, on site, the actual location and area coverage (cone of vision) of our flame detectors.

<b>40/40-789260-2</b>	<b>Pole mount (U-BOLT) - 2"</b>
<b>40/40-789260-1</b>	<b>Pole mount (U-BOLT) - 3"</b>
<b>510056690</b>	<b>Dust CAP for 40/40 flame detectors</b>
<b>40/40-A0000231</b>	<b>TCC-80 RS-232 to RS-485 convertor</b>
	Serial port powered RS-232 to TS-485 convertor with 15 KV ESD Surge
<b>40/40-794079-5</b>	<b>USB connection kit for PC</b>
	Includes USB to RS232 convertor, RS232 to RS485 convertor, Cable and software.
<b>40/40-777820</b>	<b>Handheld pocket pc diagnostics kit</b>



# Gas Detection Systems

 **NOTIFIER<sup>®</sup>**  
by Honeywell

## Notes



Test and calibrating equipment for gas detectors is included in Part 6 of this catalogue.

Unipoint Controllers



- Small and medium integrated systems
- Custom control cabinets and panels
- Unmanned equipment rooms
- Boiler houses
- HVAC systems
- Analyser houses
- Car parks
- Crane cabs
- Laboratories
- Ultra-clear backlit display
- System status codes
- Built-in audiovisual alarms
- Intuitive menu system
- Simple push button operation
- Remote accept, reset and inhibit inputs

The Zareba Unipoint is a simple DIN rail mounted controller offering integrators a flexible and low cost solution to incorporate flammable, toxic or oxygen gas detection into their control systems. Unipoint can be easily installed into any plastic or metal enclosure for use indoor or outdoor and even in potentially explosive atmospheres. With the addition of one of the Zareba range of flammable, toxic or oxygen detectors, systems may be configured to monitor gases in a wide range of applications from car parks and boiler houses to analyzer shelters or crane cabs in offshore facilities.

Each controller is supplied with all necessary removable terminals, DIN rail socket and power connector. Each controller contains a buzzer and 3 (NO-NC) alarm relays and 1 (NO-NC) fault relay. Alarm levels are configurable per controller. Inputs for remote reset and inhibit functionality are available on each controller. Password protection for configuration menu is possible.



Please note that a specific training is needed for the installation of the below items.

**Specifications**

- IP Rating: Indoor, IP3x, to BS EN 60529: 1992 (controller to be installed in suitable enclosure)
- Weight: 225g (7.94 oz) - Controller only
- Operating temperature range: -10°C to +40°C
- Operating humidity range: 10 to 90%RH (non condensing)
- Operating pressure range: 90-110kPa
- Storage: -25°C to +60°C, 20 to 80%RH (non condensing)

**Approvals:**

**EMC/RFI EN50270; Electrical Safety EN61010, UL61010b**  
**Performance ATEX measuring function EN61779; Other CE, TUV**

Z-2306B2000

Unipoint controller mV input version

Compatible with combustible gas detectors.

Z-2306B1000

Unipoint controller mA input version

Compatible with toxic gas detectors (4-20mA).

Z-ZDINPSUX1

DIN rail mounted power supply 24Vdc - 1A

Up to 4 Unipoint controller modules can be connected.



## Zareba Gas Detectors

## Signalpoint Range



- Flammable, toxic and Oxygen versions available
- IP54 as standard
- Suitable for indoor use
- Surecell™ electrochemical sensors
- Poison resistant catalytic bead
- Fast and reliable
- ATEX hazardous area approval
- Performance to EN50054
- Typical 5 years operational life

The Signalpoint range of flammable, toxic and Oxygen gas detectors offer users a low cost solution to their indoor gas monitoring needs. Supplied with an integral pre-wired junction box, the detector can be installed using conduit or cable and glands depending on individual site standards.

Two basic arrangements are provided. Flammable detectors offer mV bridge output for use with dedicated gas control systems (such as Unipoint) and are certified under ATEX for use in potentially explosive atmospheres. Toxic and Oxygen detectors are designed for use in non explosive atmospheres. They are 2 wire 4-20mA loop powered and can be used with PLC or dedicated gas control systems.

## Specifications

• Material:	Sensor Polyphenylene Sulphide (PPS). Integral Junction Box: Impact resistant Nylon.
• IP rating:	IP54 in accordance with EN60529:1992
• Operating humidity range:	Continuous: 20-90% RH (non condensing), Intermittent: 10-99% RH (non condensing)
• Operating pressure:	90-110kPa
• Storage conditions:	0°C to +25°C
• Weight:	Flammable (0-100%LEL): 465g Toxic & Oxygen: 495g
• Certification:	Flammable (0-100%LEL): Ex II 2G EEx e d IIC T4; BAS98ATEX2085X Toxic & Oxygen: Safe area use only
• Standards:	Toxic & Oxygen: MC to BS EN50081 part 1; BS EN50082 part 2; Performance to EN45544

## Z-2106B1100

## Signalpoint 0-100% LEL comb. sensor (mV output)

IP54 - ATEX II2G EEx d IIC T4 (T°amb. = -30°C to +40°C).  
Average life time is 5 years.

## Signalpoint Toxic

## Z-2106B1305

## Signalpoint CO 0-100 ppm Toxic sensor (mA output)

IP54 - Only to be used in safe zones.  
Average life time is 48 months.

## Z-2106B1306

## Signalpoint CO 0-200 ppm Toxic sensor (mA output)

IP54 - Only to be used in safe zones.  
Average life time is 48 months.

## Z-2106B1307

## Signalpoint CO 0-500 ppm Toxic sensor (mA output)

IP54 - Only to be used in safe zones.  
Average life time is 48 months.

<b>Z-2106B1300</b>	<b>Signalpoint H2S 0-20 ppm Toxic sensor (mA output)</b>
	IP54 - Only to be used in safe zones. Average life time is 48 months.
<b>Z-2106B1301</b>	<b>Signalpoint H2S 0-50 ppm Toxic sensor (mA output)</b>
	IP54 - Only to be used in safe zones. Average life time is 48 months.
<b>Z-2106B1302</b>	<b>Signalpoint H2S 0-100 ppm Toxic sensor (mA output)</b>
	IP54 - Only to be used in safe zones. Average life time is 48 months.
<b>Z-2106B1316</b>	<b>Signalpoint O2 0-25%VOL Toxic sensor (mA output)</b>
	IP54 - Only to be used in safe zones. Average life time is 12 months.
<b>Z-2106B1310</b>	<b>Signalpoint Cl2 0-5 ppm Toxic sensor (mA output)</b>
	IP54 - Only to be used in safe zones. Average life time is 18 months.
<b>Z-2106B1311</b>	<b>Signalpoint Cl2 0-15 ppm Toxic sensor (mA output)</b>
	IP54 - Only to be used in safe zones. Average life time is 18 months.
<b>Z-2106B1313</b>	<b>Signalpoint NH3 0-50 ppm Toxic sensor (mA output)</b>
	IP54 - Only to be used in safe zones. Average life time is 18 months.
<b>Z-2106B1314</b>	<b>Signalpoint NH3 0-1000 ppm Toxic sensor (mA output)</b>
	IP54 - Only to be used in safe zones. Average life time is 18 months.



## Sensepoint range



- Flammable, toxic and Oxygen versions available
- Suitable for indoor or outdoor use
- IP65 as standard
- Surecel™ electrochemical sensors
- Poison resistant catalytic bead
- Fast and reliable
- Typical 2 to 5 years operational life

The Sensepoint range of flammable, Toxic and Oxygen gas detectors offer users a low cost solution to their gas monitoring needs, in or out of doors and even in potentially explosive atmospheres. Supplied with a pre-wired junction box, a detector can be installed using conduit or armored cable and glands depending on individual site standards.

Sensepoint flammable and toxic gas detectors are designed for use in potentially explosive atmospheres and allow for hands free, unhindered access, to terminals via the hinged lid of the junction box. Installation should follow national guidelines using suitably approved armored cable and glands or conduit.

### Specifications

- |  |   |
|--|---|
| • IP Rating:                           | IP65 standard, IP66 with weather protection in accordance with EN60529:1992 |
| • Operating temperature:               | Dependent upon gas type and certification                                   |
| • Operating humidity range continuous: | 20-90% RH (non condensing), Intermittent: 10-99% RH (non condensing)        |
| • Operating pressure:                  | 90-110kPa   |
| • Storage conditions instrument:       | -40°C to +50°C  |

#### Z-SPSTAXF1

#### 0-100% LEL Methane detector (mV output)

IP65 - ATEX II2GD EEx d IIC T6 (T°amb. = -55°C to +55°C).  
Average life time is 5 years.

#### Z-SPSTAXC2

#### 0-500 ppm Carbon Monoxide (CO) detector (mA output)

IP65 - ATEX II2GD EEx d IIC T4 (T°amb. = -20°C to +65°C).  
Average life time is 48 months.

#### Z-SPSTAXO1

#### 0-25% VOL Oxygen (O2) detector (mA output)

IP65 - ATEX II2GD EEx d IIC T4 (T°amb. = -20°C to +65°C).  
Average life time is 12 months.

#### Z-SPSTAXA1

#### 0-50 ppm Ammonia (NH3) detector (mA output)

IP65 - ATEX II2GD EEx d IIC T4 (T°amb. = -20°C to +65°C).  
Average life time is 18 months.

#### Z-SPSTAXA2

#### 0-1000 ppm Ammonia (NH3) detector (mA output)

IP65 - ATEX II2GD EEx d IIC T4 (T°amb. = -20°C to +65°C).  
Average life time is 18 months.



Other types of gas detectors are available on demand.

Z-02000-A-1635	Weatherproof CAP for Flammable detector
Z-02000-A-1640	Weatherproof CAP for Toxic/Oxygen detector
Z-02000-A-1642	Collecting cone for Flammable detector
Z-00780-A-0160	Right angle mounting bracket for ceiling mounting

Only compatible with Sensepoint Series Detectors.

Sensepoint XCD range



- Flammable, toxic and Oxygen versions available
- Suitable for indoor or outdoor use
- IP65 as standard Proven Sensor Technology
- Surecell™ electrochemical sensors
- Poison resistant catalytic bead
- Fast and reliable
- Typical operational life:
  - 5 years (Catalytic)
  - 2 years (Electrochemical cells)

- Global Certifications
- North American and European
  - Compliant with UL and ATEX standards
  - Includes hazardous area and performance approval

The standard XCD Detector is supplied including one of three types of plug-in stainless steel sensor. These sensors simply plug into the socket at the bottom of the transmitter and the transmitter recognizes the sensor type and automatically configures itself accordingly.

The Catalytic sensor is used to detect flammable gases in the range 0-100%LEL.

The Infrared (IR) sensors are used for detecting Hydrocarbon gases in the range of 0-100%LEL and 0-100%V/V, as well as Carbon Dioxide (CO2) in the range 0- 2.00%V/V

The Electrochemical Cell (ECC) sensor is used to detect Oxygen and toxic gases; Carbon Monoxide (CO), Hydrogen Sulphide (H2S) and Hydrogen (H2).

Specifications	
• Weight:	1,45kg
• IP rating:	IP65 as standard in accordance with EN60529:1992
• Operating humidity range:	Continuous: 20-90% RH (non condensing), Intermittent: 10-99% RH (non condensing)
• Operating pressure:	90-110kPa
• Storage conditions instrument:	-40°C to +50°C (-40°F to +122°F)
• Operating temperature:	Dependent upon gas type and certification

Stainless Steel SS316

Z-SPXCDASMFx	SENSEPOINT XCD Flammable CAT 0-100% LEL
ATEX/IECEX & AP approved. (20 to 100%LEL, 10%LEL) with 316SS, M20 entry.	
Z-SPXCDASMRx	SP XCD CH4(Methane) IR 0-100% LEL
ATEX/IECEX & AP approved. (20 to 100%LEL, 10%LEL) with 316SS, M20 entry.	

<b>Z-SPXCDASMO1</b>	<b>SP XCD Oxygen 25.0% /Vol</b>
	ATEX/IECEX & AP approved. With 316SS, M20 entry.
<b>Z-SPXCDASMHX</b>	<b>SP XCD Hydrogen Sulfide 0-50 ppm</b>
	ATEX/IECEX & AP approved. (10.0 to 100.0ppm, 1ppm) with 316SS, M20 entry.
<b>Z-SPXCDASMCX</b>	<b>SP XCD Carbon Monoxide 0-500 ppm</b>
	ATEX/IECEX & AP approved. (100 to 1000ppm, 100ppm) with 316SS, M20 Entry.
<b>Z-SPXCDASMG1</b>	<b>SP XCD Hydrogen 0-1000 ppm</b>
	ATEX/IECEX & AP approved. With 316SS, M20 Entry.
<b>Z-SPXCDASMB1</b>	<b>ATEX/IECEX &amp; AP approved SP XCD Carbon Dioxide IR 0-2.00 %VO</b>
	ATEX/IECEX & AP approved. With 316SS, M20 Entry.
<b>Alu LM25</b>	
<b>Z-SPXCDALMFX</b>	<b>Sensepoint XCD Flammable CAT 0-100% LEL</b>
	ATEX/IECEX & AP approved. (20 to 100%LEL, 10%LEL) with LM25, M20 entry.
<b>Z-SPXCDALMRX</b>	<b>SP XCD CH4(Methane) IR 0-100% LEL</b>
	ATEX/IECEX & AP approved. (20 to 100%LEL, 10%LEL) with LM25, M20 entry.
<b>Z-SPXCDALMO1</b>	<b>SP XCD Oxygen 25.0% / Vol</b>
	ATEX/IECEX & AP approved. With LM25, M20 entry.
<b>Z-SPXCDALMHX</b>	<b>SP XCD Hydrogen Sulfide 0-50 ppm</b>
	ATEX/IECEX & AP approved. (10.0 to 100.0ppm, 1ppm) with LM25, M20 entry.
<b>Z-SPXCDALMCX</b>	<b>SP XCD Carbon Monoxide 0-500 ppm</b>
	ATEX/IECEX & AP approved. (100 to 1000ppm, 100ppm) with LM25, M20 Entry.
<b>Z-SPXCDALMG1</b>	<b>SP XCD Hydrogen 0-1000 ppm</b>
	ATEX/IECEX & AP approved. With LM25, M20 Entry.

<b>Z-SPXCDALMB1</b>	<b>ATEX/IECEX &amp; AP approved SP XCD Carbon Dioxide IR 0-2.00%VOL</b>
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ATEX/IECEX & AP approved.  
With LM25, M20 Entry.

## Accessories for Sensepoint XCD

<b>Z-S3KCAL</b>	<b>Calibration cup</b>
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<b>Z-SPXCDCC</b>	<b>Collecting cone for use with lighter than air gases</b>
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<b>Z-SPXCDDMK</b>	<b>Duct mounting kit</b>
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<b>Z-SPXCD MTBR</b>	<b>Mounting bracket (inc. bolts, nuts, brackets)</b>
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<b>Z-SPXCDSDP</b>	<b>Sunshade / Deluge Protection</b>
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<b>Z-00780-A-0100</b>	<b>ATEX approved junction box (Explosion proof)</b>
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## G-100 Gas Control Panel

The G-100 is a modular micro-processor controlled control panel designed to supervise 4-20mA TOXIC and EXPLOSIVE gas detectors.

The system can support up to 32 programmable outputs thanks to 2 optional modules (SK-8R & SK-16R) and a 2-serial interface optional module (G-100 2SE).

The control panel may detect 3 alarm levels from each zone and each alarm level may be associated to a particular output.

The G-100 features a tactile membrane keypad with symbols associated to each key and a LCD back-lighted.

 Only available in English.

### G-100.4

#### Gas detection panel 4 zones



2 x 16 characters backlit LCD Display.

7 function keys.

1 general alarm relay prealarm 1, prealarm 2 & fault open collector outputs.

1 monitored output for sounders minimum 2 batteries 12V 7Ah  
(Not included).

### G-100.8

#### Gas detection panel 8 zones



2 x 16 characters backlit LCD Display.

7 function keys.

1 general alarm relay prealarm 1, prealarm 2 & fault open collector outputs.

1 monitored output for sounders minimum 2 batteries 12V 7Ah  
(Not included).

### SK8R

#### 8 relays module with flat cable

### SK-16R

#### 16 relays module with flat cable


### G-100 2SE

#### Serial interface

For optional remote printer and optional PC programming.

### PK G100

#### Upload/download software for G100

 Requires a serial interface G-100 2SE.

## BDS-EP

### Catalytic explosive gas detector



These detectors use a catalytic sensible element for combustible gas. The detector is in a self extinguishing plastic dust proof case with an IP 54 protection degree. (Methane, Propane & Butane).

#### Specifications

- |   |  |
|---|--|
| • Type of gas detected:                   | Methane.                                 |
| • Sensor:                                 | Catalytic.                               |
| • Power supply:                           | 24 VDC +/- 15% (BDS) 10 - 30 VDC (BD110) |
| • Range value (set in factory):           | 100% L.E.L.                              |
| • Response time:                          | < 10 seconds (at 90% of measure).        |
| • Suggested recalibration time:           | Max 12 months.                           |
| • Stand-by current consumption:           | 80 mA (@ 10 VDC), 50 mA (@ 30 VDC).      |
| • Alarm current consumption (27.6 Vnom.): | 65 mA.                                   |
| • Operating temperature:                  | - 10° C + 40° C.                         |

## BDS-CO

### Semi-conductor CO detector in dust-tight enclosure



BDS-CO is a double threshold gas detector (pre-alarm and alarm), able to detect carbon monoxide concentration via a semi conductor sensible element.

Available in an IP54 protection degree case, BDS-CO detector can be used in many applications, such as industry, fire detection systems, building automation.

#### Specifications

- |                                     |  |
|-------------------------------------|--|
| • Type of gas detected:             | Carbon Monoxide                            |
| • Power supply:                     | 24 VDC +/- 15%.                            |
| • Stand by current consumption:     | 21 mA.                                     |
| • Alarm total current consumption:  | 55 mA.                                     |
| • Range value:                      | 200 ppm (set in factory).                  |
| • Analog signal current (@ 24 VDC): | - pre-alarm = 10 mA;<br>- alarm = 20 mA.   |
| • Connection to the control panel:  | 3 wires (1 analog signal + 2 power supply) |



**NEW**

## MULTISCAN++ S1



- ATEX and SIL 1 certified (EN50402) pending
- Up to 4 open RS485 (EIA-485) galvanic isolated loops
- Up to 256 inputs (both 4-20 mA or intelligent loop daisy-chained)
- Up to 256 O/C or relay outputs via remote modules and 8 pre-configured relays onboard the control unit.

MULTISCAN++ is an innovative gas control unit used for monitoring and controlling up to 256 gas detectors.

Extremely flexible and highly reliable, it allows monitoring gas detectors connected with both 4-20 mA transmission and intelligent loops.

MULTISCAN++ may be configured connecting different field modules to the RS485 loops in order to customize it to the various requests and needs of the field of application.

All devices connected to the loops feature galvanic isolation to protect the system from any electric noises coming from the field.

A broad range of self-testing facilities are implemented to detect and localize possible faults.

The backlit graphic LCD display provides a precise indication of the gas concentration being measured. A RS232C serial port allows a PC connection to the CPU board for the panel configuration and supervision.

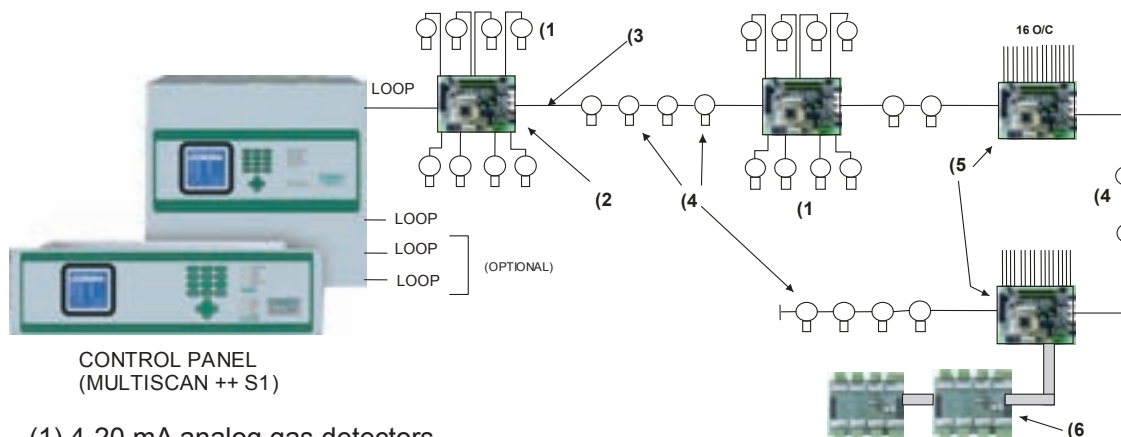
Report from the event memory or real time printouts can be obtained by connecting a printer to the parallel printer port.

The panels can either be housed in a metal cabinet or in a 19" 3U rack.

### Specifications

- |                           |  |
|---------------------------|--|
| • Housing:                | 19" 3U (HE) rack or metal cabinet<br>430 mm x 405 mm x 140 mm. |
| • Relay contact rating:   | 6A 25 Vac (relay inside the control panel).                    |
| • Serial ports:           | 4 RS485 ports and 1 RS232 for PC connection                    |
| • Power supply:           | 24 Vdc $\pm 10\%$  |
| • Power consumption:      | Max 10 VA  |
| • Display:                | Graphic Liquid Crystal Display (LCD)                           |
| • Visual indications LED: | 11 double LED on the front panel                               |
| • Operating temperature:  | 0-40°C   |
| • Storage:                | -20 / +60 °C   |
| • Relative humidity:      | 15-85%   |
| • Storage:                | 5-85% (non condensing)   |

## Block diagram for MULTISCAN++ S1



- (1) 4-20 mA analog gas detectors
- (2) Analog 8 input module ST.G/IN8N or S
- (3) 2 Twisted wires for the RS485 bus + 2 wires for the power supply (12-24Vdc)
- (4) Gas detectors with RS485 output
- (5) 16 O/C output module ST.G/OUT16N or S
- (6) 8 relay ST.G/8REL module

<b>ST.MTS/S1</b>	<b>MULTISCAN++ S1 gas control panel</b>
	<p>2 x RS485 type open loops. 256 Analog 4-20 mA gas detectors connected through remote 8-input modules or intelligent gas detectors daisy chained to the RS485 control panel's loops. 8 relay output and up to 256 O/C or relay outputs via remote modules.</p> <p>The panels comes complete with 1 parallel printer port and 1 RS232 serial port for PC connection.</p> <p>Housed on a 19" 3 U rack (24 Vdc power supply is required).</p>
<b>ST.MTS/S1-B</b>	<b>MULTISCAN++ S1 gas control panel</b>
	<p>As above but in Metal Cabinet.</p> <p>230 Vac power supply.</p>
<b>ST.G/MTSS1-CONF</b>	<b>MULTISCAN++ S1 Software</b>
	<p>Windows PC software for the Multiscan++S1 control panel programming. Running under Windows XP/VISTA.</p> <p>The configuration software is supplied along with the control panel.</p>
<b>ST.G/IN8-S</b>	<b>8-input remote max 16 modules</b>
	<p>High safety 8-input remote module with improved performance for MULTISCAN++S1 control panel.</p> <p>Max 16 modules per line for a total of 256 detectors connectable to the system.</p>
<b>ST.G/OUT16-S</b>	<b>16-output remote 8 modules</b>
	<p>High safety 16-output remote module (Open collector type) with improved performance for MULTISCAN++S1 control panel. Max 8 modules per line.</p>
<b>ST.G/8REL</b>	<b>Plug and play relay board</b>
	<p>Plug and play relay board to be connected to STG/OUT16 to provide 8 relay outputs.</p>
<b>ST.G/SER++</b>	<b>Additional Serial board</b>
	<p>Additional Serial board to implement serial lines in Multiscan++S1.</p>
<b>VMB/267V40</b>	<b>Power supply 24 Vdc/4A</b>
	<p>Metal Cabinet with enclosed power supply to house one of the above remote cards. 24Vdc 4A.</p>
<b>ST.G/BOX</b>	<b>IP55 Plastic box</b>
	<p>IP55 Plastic box to house one ST.G/IN8-S or ST.G/OUT16-S card.</p>



**NEW**

## Sentox IDI+ Gas Control Panel



SENTOX IDI+ has been designed for light industrial applications.

It can be connected to max. 32 intelligent gas detectors daisy chained on the RS 485 bus line.

A high brightness display provides an ongoing reading of the concentration being measured and, in case of an alarm, the alarm threshold attained and the respective channel. Each threshold or function is visualised by a double LEDs row.

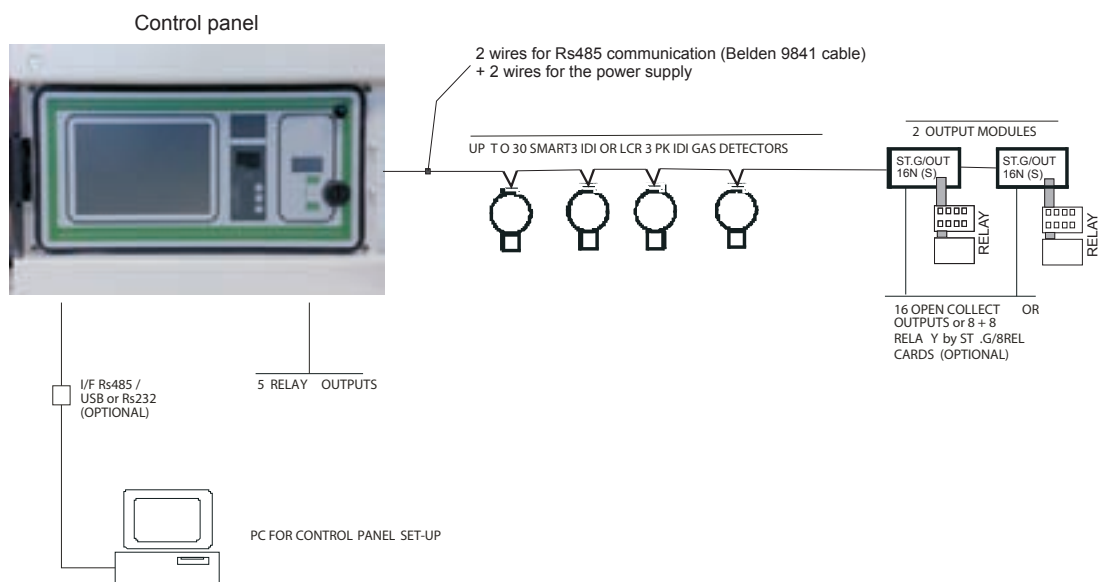
SENTOX IDI+ provides 4 relays output: three associated to the alarm thresholds and one to Fault.

The panel also features the implementation of further 32 optional outputs via 2 ST.G/OUT16-N remote cards.

The unit comes into a metal cabinet, complete with 24Vdc / 5A power supply and offers the possibility to allocate 2 back-up batteries (max. 12V 7 Ah).

SENTOX IDI+ is SIL1 and ATEX certified according to EN60079-29-1

## Block diagram for Sentox IDI+



## ST.SX/IDI+

## Microprocessor based control panel

Microprocessor based control panel to manage up to 32 "IDI" gas detectors. 4 output upgradeable to 36 by connecting two remote 16-output cards. Housed in IP65 rated ABS box with enclosed 24 Vdc, 5A power supply.

NEW

## SMART3 NC Series



Gas detectors series SMART3 NC have been designed to offer cost effective products with Hi-Tech professional features for car parks and non-classified areas.

Available only for Methane, LPG, Petrol Vapours, CO, NO<sub>2</sub> and CO<sub>2</sub>, these detectors employ a professional catalytic sensor for flammable gas detection, an electrochemical cell for CO and an infrared sensor for the CO<sub>2</sub> detection.

The SMART3 NC provide an analog 4-20 mA output signal and can be implemented with additional features to allow the instrument to have an RS485 communication or three-relay outputs.

SMART3 NC gas detectors are IP55 rated.

## SMART3 NCPK - For car parks

S1450CO

**CARBON MONOXIDE (CO) detector**

Range value interface: 0-300 ppm, 4-20 mA.

S2396VB

**PETROL VAPOURS detector**

Range value interface: 4-20mA.

S1451ND

**NO<sub>2</sub> detector**

Range value interface: 4-20mA.

## SMART3 NC - Flammable gas detectors for non classified areas

S2396ME

**METHANE detector**

0-100% LEL. Range value interface: 4-20mA.

S2396GP

**LPG detector**

0-100% LEL. Range value interface: 4-20mA.

S2401CO<sub>2</sub>**CARBON DIOXIDE (CO<sub>2</sub>) detector**

Range value interface: 0-5000 ppm, 4-20 mA.

## Accessories for SMART3 NC

ST.S/IDI

**Plug-in RS485 interface**

Plug-in RS485 interface to make SMART3 series gas detectors communicate with IDI control panels.

ST.S/CKD

**Calibration keypad**

Handheld calibration keypad to be connected to the detector to adjust the Zero, Span and 4-20mA values.

ST.S3REL

**3-Relays card**

3-Relay card for SMART3 NC gas detectors. Relay at 12/24V.

NEW

**SMART3G-D2**

Designed to meet with tough industrial requirements, the SMART3G-D2 allows monitoring toxic and flammable contents in harsh environments and classified areas.

They offer a 4-digit back-lit display and 5 status mode LED for the gas concentration reading.

Ideal in harsh environments, the SMART3G-D2 feature non intrusive calibration for an accurate and easy adjustment via Hall-effect switches, without opening the instrument and declassifying the area.

They can reliably monitor flammable compounds (%LEL), toxic compounds in ppm, Oxygen and CO<sub>2</sub> contents in % by Vol.

SMART3G-D2 features:

- Non-intrusive one man calibration via Hall effect switches
- 4-digit display and 5 mode status LEDs
- Standard 4-20 mA 3 wires output
- Optional 3 relays output
- Optional RS485 interface for Modbus communication to make the detectors communicate to MULTISCAN++ and SENTOX IDI+ control panels.
- Zero tracking to maintain the zero point steady from possible drifts
- Ongoing system self diagnosis
- ATEX II2G (GD with optional adapter) and SIL 1 certified (EN50402)
- Wide range of sensors and detectable gases
- Wide range of accessories for installation and maintenance
- Easy sensor replacement

**Flammable Gas (with Catalytic sensor)****S2157ME****METHANE detector**

Range value interface: 4-20 mA, 0-100%LEL.

**S2157GP****LPG detector**

Range value interface: 4-20 mA, 0-100%LEL.

**S2157PR****PROPANE detector**

Range value interface: 4-20 mA, 0-100%LEL.

**S2157BU****BUTANE detector**

Range value interface: 4-20 mA, 0-100%LEL.

**S2157VB****PETROL VAPOURS detector**

Range value interface: 4-20 mA, 0-100% LEL.

NEW

**SMART3G-C3 - Flammable Gas (with infrared sensor)****S2602ME****METHANE detector**

Range value interface: 4-20 mA, 0-100%LEL.

**S2602PR****PROPANE detector**

4-20 mA, 0-100%LEL.

**S2602BU****BUTANE detector**

4-20 mA, 0-100%LEL.

NEW

**SMART3G-C2 - Gas detectors for Zone 1 Category 2 areas**

Designed to meet with tough industrial requirements, the SMART3G-C2 allows monitoring toxic and flammable contents in industrial environments and classified areas.

The SMART3G-C2 detectors can reliably monitor flammable compounds (%LEL), toxic compounds in ppm, Oxygen and CO2 contents in % by vol. SMART3G-C2 features:

- Standard 4-20 mA 3 wires output
- Optional 3 relay output
- Optional RS485 interface for Modbus communication to make the detectors communicate to MULTISCAN++ and SENTOX IDI+ control panels.
- Zero tracking to maintain the zero point steady from possible drifts
- Ongoing system self diagnosis
- ATEX II2G (GD with optional adapter) and SIL 1 certified (EN50402)
- Wide range of sensors and detectable gases
- Wide range of accessories for installation and maintenance
- Easy sensor replacement

**S2097ME****METHANE detector**

Range value interface: 4-20 mA, 0-100% LEL.

**S2097GP****LPG detector**

Range value interface: 4-20 mA, 0-100% LEL.

**S2097BU****BUTANE detector**

Range value interface: 4-20 mA, 0-100% LEL.

**S2097PR****PROPANE detector**

Range value interface: 4-20 mA, 0-100% LEL.

**S2097VB****PETROL VAPOURS detector**

Range value interface: 4-20 mA, 0-100% LEL.

**NEW****SMART3G - C2 - Flammable Gas (with infrared sensor)****S2654ME METHANE detector**

Range value interface: 4-20 mA, 0-100%LEL.

**S2654PR PROPANE detector**

Range value interface: 4-20 mA, 0-100%LEL.

**S2654BU BUTANE detector**

Range value interface: 4-20 mA, 0-100%LEL.

**NEW****SMART3G - C2 - Toxic Gases (with Electrochemical cell)****S2641O2 OXYGEN (O2) detector**

Range value interface: 0-25% Vol., 4-20mA

**S2131CO CARBON MONOXIDE (CO) detector**

Range value interface: 0-500 ppm, 4-20mA

**S2133AM AMMONIA (NH3) detector**

Range value interface: 0-200 ppm, 4-20mA

**S2135AM AMMONIA (NH3) detector**

Range value interface: 0-1000 ppm, 4-20mA

**S2137HS HYDROGEN SULPHIDE (H2S) detector**

Range value interface: 0-50 ppm, 4-20mA

**S2145NO NITRIC OXIDE (NO) detector**

Range value interface: 0-100 ppm, 4-20mA

NEW

**SMART3G-D3 - Gas detectors with display, for zone 2 category 3 areas**

Designed to meet with industrial requirements, the SMART3G-D3 allow monitoring toxic and flammable contents in areas classified as zone 3.

They offer a 4-digits back-lit display and 5 mode status LEDs for the gas concentration reading and feature non intrusive calibration for an accurate and easy adjustment via Hall-effect switches, without opening the instrument and declassifying the area.

The SMART3G-D3 detectors can reliably monitor flammable compounds (%LEL), toxic compounds in ppm, Oxygen and CO<sub>2</sub> in % by vol.

SMART3G-D3 features:

- Non-intrusive one man calibration via Hall effect switches
- 4-digit display and 5 mode status LEDs
- Standard 4-20 mA 3 wires output
- Optional 3 relays output
- Optional RS485 interface for Modbus communication to make the detectors communicate to MULTISCAN++ and SENTOX IDI+ control panels.
- Zero tracking to maintain the zero point steady from possible drifts
- Ongoing system self diagnosis
- ATEX II3G (GD with optional adapter) and SIL 1 certified (EN50402)
- Wide range of sensors and detectable gases
- Wide range of accessories for installation and maintenance
- Easy sensor replacement

**S2156ME****METHANE detector**

Range value interface: 4-20 mA, 0-100%LEL.

**S2156GP****LPG detector**

Range value interface: 4-20 mA, 0-100%LEL.

**S2156PR****PROPANE detector**

Range value interface: 4-20 mA, 0-100%LEL.

**S2156BU****BUTANE detector**

Range value interface: 4-20 mA, 0-100%LEL.

**S2156VB****PETROL VAPOURS detector**

Range value interface: 4-20 mA, 0-100%LEL.

NEW

**SMART3G-D3 - Flammable Gas (with Infrared sensor)****S2601ME****METHANE detector**

Range value interface: 4-20 mA, 0-100%LEL.

**S2601PR****PROPANE detector**

Range value interface: 4-20 mA, 0-100%LEL.

**S2601BU**

**BUTANE detector**

Range value interface: 4-20 mA, 0-100%LEL.

**NEW**

## SMART3G-D3 - Toxic Gas (with Electrochemical cell)

**S2642O2**

**OXYGEN (O2) detector**

Range value interface: 0-25% Vol., 4-20 mA.

**S2162CO**

**CARBON MONOXIDE (CO) detector**

Range value interface: 0-500 ppm, 4-20 mA.

**NEW**

## SMART3G-C3 - Gas detectors for zone 2, category 3 areas



Designed to meet with light industrial requirements, the SMART3 GC-2 gas detectors allow monitoring toxic and flammable contents in areas classified as zone 3.

The SMART3 GC-3 can reliably monitor flammable compounds (%LEL), toxic compounds in ppm, Oxygen and CO2 contents in % by vol.

SMART3 GC-3 features:

- Standard 4-20 mA 3 wires output
- Optional 3 relays output
- Optional RS485 interface for Modbus communication to make the detectors communicate to MULTISCAN++ and SENTOX IDI+ control panels.
- Ongoing system self diagnostic
- ATEX II3G (GD with optional adapter) and SIL 1 certified (EN50402)
- Wide range of sensors and detectable gases
- Wide range of accessories for installation and maintenance
- Easy sensor replacement

**S2096ME**

**METHANE detector**

Range value interface: 4-20 mA, 0-100%LEL.

**S2096GP**

**LPG detector**

Range value interface: 4-20 mA, 0-100%LEL.

**S2096PR**

**PROPANE detector**

Range value interface: 4-20 mA, 0-100%LEL.

**S2096BU**

**BUTANE detector**

Range value interface: 4-20 mA, 0-100%LEL.

**S2096VB**

**PETROL VAPOURS detector**

Range value interface: 4-20 mA, 0-100%LEL.

**NEW****SMART3G-C3 - Flammable gases (with Infrared sensor)****S2653ME****METHANE detector**

Range value interface: 4-20 mA, 0-100%LEL.

**S2653PR****PROPANE detector**

Range value interface: 4-20 mA, 0-100%LEL.

**S2653BU****BUTANE detector**

Range value interface: 4-20 mA, 0-100%LEL.

**NEW****SMART3G-C3 - Toxic gases (with Electrochemical cell)****S2640O2****OXYGEN (O2) detector,**

Range value interface: 0-25% Vol., 4-20 mA.

**S2130CO****CARBON MONOXIDE (CO) detector**

Range value interface: 0-500 ppm, 4-20 mA.

**Gas detector accessories****STS/CSW****Calibration software**

Calibration software for SMART3 detectors consisting of a software CD, a RS232/RS485 converter, a serial cable and the ST.S/IDI card. The software runs on Windows 3.1, '95/98, 2000 or XP.

The calibration software allows modifying the alarm thresholds and the measuring range, and allows adjusting the Zero, Span and 4-20mA values via a user friendly menu, either in situ or in laboratory.

**ST.S/IDI****Plug-in RS485 interface**

Plug-in RS485 interface, to make SMART3 series gas detectors communicate with SENTOX IDI+ and MULTISCAN++ control panels.

**ST.S/CKD****Handheld calibration keypad**

Handheld calibration keypad to be connected to the detector to adjust the Zero, Span and 4-20mA values.

**STS1REL****1-Relay card**

1-Relay card for SMART3GC and SMART3GD. Relay at 12÷24V.

**ST.S3REL****3-Relay card**

3-Relay card for SMART3GC series gas detectors. Relay at 12÷24V.

## STS3REL/50

### 3-Relay card

3-Relay card for SMART3GD series gas detectors. Relay at 12÷24V.

## STGD/AD3

### Adapter for type 3 sensor heads

Adapter for type 3 sensor heads to upgrade the protection from G to GD.

## STGD/AD2

### Adapter for type 2 sensor heads

Adapter for type 2 sensor heads to upgrade the protection from G to GD.

	Detector type				
	GD2	GD3	GG1	GC2	GC3
STS/CSW	X	X	X	X	X
ST.S/IDI	X	X	X	X	X
ST.S/CKD	--	--	X	X	X
STS1REL	X	X	X	X	X
ST.S3REL	--	--	X	X	X
STS3REL/50	X	X	--	--	--

## ZM/TEST/2

### Water protection/test adapter for sensor head type 2

Permanent water protection/test adapter suitable for sensor head type 2, (like S2096 and S2097).

## ZM/TEST/3

### Water protection/test adapter for sensor head type 3

Permanent water protection/test adapter suitable for sensor head type 3.

## SL517

### Stainless steel collector for sensor head type 3

Stainless steel collector and weather protection cone for Explosion proof gas detector (suitable for sensor head type 3).

## SL523

### Stainless steel collector for sensor head type 2

Stainless steel collector and weather protection cone for Explosion proof gas detector suitable for sensor head type 2 (like S2096 and S2097).

## SL647

### Stainless steel weather protection roof, wall mount type

## Calibration & Installation Tools



All SENSITRON Srl gas detectors are Factory Calibrated prior to despatch. In order to fulfil the EN60079–17:2003, detectors have to undergo periodical operational testing, each three to six months according to the plant's risk assessment. Test results are to be recorded into a suitable book to be shown to the Authority in case of inspection.

In environments where polluting elements might alter the original sensor performances periodical testing should be carried out at shorter time intervals.

All tests should be carried out by employing a specific gas mixture, according to the manufacturer's advice.

The calibration carrying case comprising 2 sample gas bottles, one flow indicator, hose and adaptors. On request, this calibration gas kit can be equipped with portable gas detectors available for different gases and ranges.

### VTX+XA

#### Calibration gas case

Calibration gas case including one flow indicator, hose and adaptor. (Calibration gas cylinders not included).

### SI.B/XXX

#### Disposable gas cylinders

Disposable gas cylinders filled with either flammable or toxic non reactive gas mixtures.

At the order please specify the gas type.

Dangerous goods: ADR/RID UN 2037, Class 2, Packing instructions 203.

### SG.B/XXX

#### Disposable gas cylinders

Disposable gas cylinders filled with reactive gas mixtures.

At the order please specify the gas type.

Dangerous goods: ADR/RID UN 1956, Class 2.

### PC.VALVOLA

#### Flow-meter valve

Flow-meter valve to be mounted on the gas cylinder to set the gas flow.

### ZMCAP/123

#### Adapter

Adapter for all of Sensitron gas detectors.

Made anodized alloy, it allows the right quantity of gas inlet to flow to the detector.

It comes complete with adapters to fit on the detectors' heads.

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## Notes

# POL-100



F1

F2

F3

F4



## Accessories

 **NOTIFIER**<sup>®</sup>  
by Honeywell

## Accessories

## Notes

## Power Supplies

## HLSPS25-XP

## Power supply unit 24VDC - 3A (2 x 1,1A)



Earth monitoring and Fault relay Input to disable the battery charger when the fire panel is in alarm (providing 300mA extra current).

## Specifications

- Weight: 5.5kg
- Dimensions (W x H x D): 377 mm x 408 mm x 92 mm

**BOSEC and CPD certified (1134-CPD-085)**

## HLSPS50-XP

## Power supply unit 24 VDC - 5A (2 x 2,2A)



Earth monitoring and Fault relay Input to disable the battery charger when the fire panel is in alarm (providing 600mA extra current).

## Specifications

- Weight: 5.7kg
- Dimensions (W x H x D): 377 mm x 408 mm x 92 mm

**BOSEC and CPD certified (1134-CPD-085)**

## BB-24

## Battery back-box (FOR TWO 24Ah batteries)

## BF362-1

## PSU24V-1,5A with charger



Power Supply with battery charger for batteries up to 17Ah.  
Housing inclusive power supply with space for 2 x 18V / 17Ah batteries.

## Specifications

- Input voltage: 230 V AC - 50/60 Hz
- Output voltage: 24 VDC - 1,5 A
- Operating temperature: 5°C to +40°C
- Dimensions(W x H x D): 404 mm x 404 mm x 110 mm
- Weight: approx. 5 kg

**VDS number: G 209196**

**CPD number: 0786-CPD-20891**

## BF362-5

## PSU24V-5A With charger



Power Supply with battery charger for batteries up to 17Ah.  
Housing inclusive power supply with space for 2 x 18V / 17Ah batteries.

## Specifications

- Output voltage: 24 VDC – 5A
- Operating temperature: 5°C to +40°C
- Dimensions (W x H x D): 404 mm x 404 mm x 110 mm
- Weight: approx. 5 kg

**VDS number: G 209197**

**CPD number: 0786-CPD-20892**

AES Series


The AES series is designed to supply electrical power for Fire detection systems approved to EN54-4 A2. The AES series is protected against lightning strikes and short circuits.

A dynamic regulation stabilizes the output voltage and keeps it within the preset tolerance range.

Elaborate filters eliminate all interferences and reduce the residual ripple from the 230 Vac mains. The status of the power device is locally displayed by leds and remotely by means of dry contacts.

To preserve the capacity of batteries, their discharge is limited in conjunction with automatic disconnection of the user circuit.

NF Approved EN54-4 A2

 The indicated power includes the battery charger consumption. Therefore, the total available power is 5% less. (Except AES 28V 8A C85 SB).

C24 Box

AES 24V 3A C24 SB

Power supply unit 24V - 3A



Specifications	
• Dimensions (W x H x D):	322 mm x 248 mm x 126 mm
• Can hold up to 2 batteries:	12Ah / 12V

C38 Box

AES 24V 3A C38 SB

Power supply unit 24V - 3A



Specifications	
• Dimensions (W x H x D):	289 mm x 350 mm x 189 mm
• Can hold up to 2 batteries:	24Ah / 12V

AES 24V 4A C38 SB

Power supply unit 24V - 4A

AES 24V 6A C38 SB

Power supply unit 24V - 6A

C85 Box

AES 24V 8A C85 SB

Power supply unit 24V - 8A



Specifications	
• Dimensions (W x H x D):	408 mm x 408 mm x 224 mm
• Can hold up to 2 batteries:	38Ah / 12V

## Batteries

## VABO batteries

**RB012AHB** 1,2 Ah / 12V sealed lead acid battery**Specifications**

- Dimensions (W x H x D): 97 mm x 48 mm x 54 mm
- Weight: 570g

**VDS Approved G107019****RB021AHB** 2,1 Ah / 12V sealed lead acid battery**Specifications**

- Dimensions (W x H x D): 178 mm x 34 mm x 60 mm

**VDS Approved G107020****RB040AHB** 4.5 Ah / 12V sealed lead acid battery**Specifications**

- Dimensions (W x H x D): 90 mm x 70 mm x 102 mm
- Weight: 1.7kg

**RB070AHB** 7.2 Ah / 12V sealed lead acid battery**Specifications**

- Dimensions (W x H x D): 151 mm x 65 mm x 94 mm
- Weight: 2.650kg

**VDS Approved (G107021)****RB120AHB** 12 Ah / 12V sealed lead acid battery**Specifications**

- Dimensions (W x H x D): 151 mm x 98 mm x 94 mm
- Weight: 4kg

**VDS Approved (G107023)****RB180AHB** 17 Ah / 12V sealed lead acid battery**Specifications**

- Dimensions (W x H x D): 181 mm x 76 mm x 167 mm
- Weight: 6.2kg

**VDS Approved (G107024)**

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**RB260AHB****24 Ah / 12V sealed lead acid battery****Specifications**

- Dimensions (W x H x D): 166 mm x 175 mm x 125 mm
- Weight: 8,7kg

**VDS Approved (G1070245)****RB400AHB****38 Ah / 12V sealed lead acid battery****Specifications**

- Dimensions (W x H x D): 197 mm x 165 mm x 170 mm
- Weight: 14kg

**VDS Approved (G107026)****RB650AHB****65 Ah / 12V sealed lead acid battery****Specifications**

- Dimensions (W x H x D): 350 mm x 166 mm x 174 mm
- Weight: 22.5kg

**VDS Approved (G1070247)****YUASA batteries****NP2.3-12****2,3Ah / 12V Valve Regulated Lead Acid Battery****Specifications**

- Dimensions (L x W x H): 178 mm x 34 mm x 64 mm
- Weight: 0.95kg
- Nominal voltage: 12V
- 20-hr rate Capacity to 1.75VPC at 20°C: 2.3 Ah
- 10-hr rate Capacity to 1.75VPC at 20°C: 2.1 Ah

**VDS number G101139****NP7-12****7Ah / 12V Valve Regulated Lead Acid Battery****Specifications**

- Dimensions (L x W x H): 151 mm x 65 mm x 97.5 mm
- Weight: 2.65kg
- Nominal voltage: 12V
- 20-hr rate Capacity to 1.75VPC at 20°C: 7Ah
- 10-hr rate Capacity to 1.75VPC at 20°C: 6.4 Ah

**VDS number G189099**

## NP10-6

## 10Ah / 6V Valve Regulated Lead Acid Battery



## Specifications

- Dimensions (L x W x H ): 151 mm x 50 mm x 97.5 mm
- Weight: 1.93kg
- Nominal voltage: 6V
- 20-hr rate Capacity to 1.75VPC at 20°C: 10 Ah
- 10-hr rate Capacity to 1.75VPC at 20°C: 9.20 Ah

VDS number G189170

## NP12-6

## 12Ah / 6V Valve Regulated Lead Acid Battery



## Specifications

- Dimensions (L x W x H ): 151 mm x 50 mm x 97.5 mm
- Weight: 2.05kg
- Nominal voltage: 6V
- 20-hr rate Capacity to 1.75VPC at 20°C: 12 Ah
- 10-hr rate Capacity to 1.75VPC at 20°C: 11.1 Ah

VDS number G194006

## NP12-12

## 12Ah / 12V Valve Regulated Lead Acid Battery



## Specifications

- Dimensions (L x W x H ): 151 mm x 98 mm x 97.5 mm
- Weight: 4.05kg
- Nominal voltage: 12V
- 20-hr rate Capacity to 1.75VPC at 20°C: 12 Ah
- 10-hr rate Capacity to 1.75VPC at 20°C: 11.1 Ah

VDS number G189170

## NP17-12

## 12Ah / 6V Valve Regulated Lead Acid Battery



## Specifications

- Dimensions (L x W x H ): 181 mm x 76 mm x 167 mm
- Weight: 6.1kg
- Nominal voltage: 12V
- 20-hr rate Capacity to 1.75VPC at 20°C: 17 Ah
- 10-hr rate Capacity to 1.75VPC at 20°C: 15.7 Ah

VDS number G147022

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## NP24-12

## 24Ah / 12V Valve Regulated Lead Acid Battery



## Specifications

- Dimensions (L x W x H ): 166 mm x 175 mm x 125 mm
- Weight: 9kg
- Nominal voltage: 12V
- 20-hr rate Capacity to 1.75VPC at 20°C: 24 Ah
- 10-hr rate Capacity to 1.75VPC at 20°C: 22.3 Ah

VDS number G147022

## NP38-12

## 38Ah / 12V Valve Regulated Lead Acid Battery



## Specifications

- Dimensions (L x W x H ): 197 mm x 165 mm x 170 mm
- Weight: 14.2kg
- Nominal voltage: 12V
- 20-hr rate Capacity to 1.75VPC at 20°C: 38 Ah
- 10-hr rate Capacity to 1.75VPC at 20°C: 35.3 Ah

VDS number G182024

## NP65-12

## 65Ah / 12V Valve Regulated Lead Acid Battery



## Specifications

- Dimensions (L x W x H ): 350 mm x 166 mm x 174 mm
- Weight: 23kg
- Nominal voltage: 12V
- 20-hr rate Capacity to 1.75VPC at 20°C: 65 Ah
- 10-hr rate Capacity to 1.75VPC at 20°C: 60.5 Ah

VDS number G183008

## Electro Magnetic Door Holders

### 1330NEML-D

#### Electro magnetic lock - Retaining Strength 50kg



Equipped with cushioned counter plates. With protection diode against current spikes. Nickel plated steel body; base in ABS; connection by wires.

##### Specifications

- IP rating: IP40
- Weight: 480g
- Current alimentation: 24Vdc/60mA

**CPD number: 0407-CPD-065**

### 1340NEML-D

#### Electro magnetic lock - Retaining Strength 100kg



Equipped with cushioned counter plates. With protection diode against current spikes. Nickel plated steel body; base in ABS; Wire terminals.

##### Specifications

- Weight: 770g
- IP rating: IP40
- Current alimentation: 24Vdc/100mA

**CPD number: 0407-CPD-065**

### 1335NEML

#### Electro magnetic lock - Retaining Strength 50kg



Equipped with cushioned counter plates. With release button, Nickel plated steel body & base in ABS. Connection to terminals - Unlock button.

##### Specifications

- Weight: 550g
- IP rating: IP40
- Current alimentation: 24Vdc/65mA

**CPD number: 0407-CPD-065**

### 1345NEML

#### Electro magnetic lock- Retaining Strength 100kg



Equipped with cushioned counter plates. With release button and protection diode against current spikes. Nickel plated steel body; base in ABS. Connection to terminals - Unlock button.

##### Specifications

- Weight: 760g
- IP rating: IP40
- Current alimentation: 24Vdc/100mA

**CPD number: 0407-CPD-065**

### 1350NEML

#### Electro magnetic lock - Retaining Strength 25-50kg



Equipped with cushioned counter plates. Aluminium container - Nickel plated steel body

Connection to terminals. Internal electronic circuit allows halving the retaining strength. Unlock button. Protection diode against current spikes. Release button on the container side.

##### Specifications

- Weight: 800g
- IP rating: IP40
- Current alimentation: 24Vdc/60mA
- Dimensions (W x H x D): 95 mm x 95 mm x 40 mm

**CPD number: 0407-CPD-065**

### 1360NEML

#### Electro magnetic lock - Retaining Strength 50-100kg



Equipped with cushioned counter plates Aluminium container - Nickel plated steel body.

Connection to terminals. Internal electronic circuit allows halving the retaining strength. Protection diode against current spikes. Release button on the container side.

##### Specifications

- Weight: 800g
- IP rating: IP40
- Current alimentation: 24Vdc/60mA
- Dimensions (H x W x D): 95 mm x 95 mm x 40 mm

**CPD number: 0407-CPD-065**

### 1369NEML

#### Electro magnetic lock - floor fitting - Retaining Strength 50kg



Equipped with cushioned counter plates. Supplied with release push-button.

##### Specifications

- Weight: 800g
- IP rating: IP40
- Current alimentation: 24Vdc/60mA

**CPD number: 0407-CPD-065**

### 1315NEML

#### Electro magnetic lock - Retaining Strength 50kg



Original and aesthetically innovative design. Supplied with easily unlocking push-button. Equipped with cushioned counter-plates. Black thermoplastic material body. Cable input on four sides. Nickel plated steel core. With protection diode against current spikes.

##### Specifications

- Weight: 800g
- IP rating: IP40
- Current alimentation: 24Vdc/40mA

**CPD number: 0407-CPD-065**

### 1370/15D

### Magnetic door release unit - Retaining Strength 50kg



The fixing bracket allows installation on floor, ceiling and wall.  
Nickel plated steel coil; steel bracket; allodinium support.  
Equipped with cushioned counter-plates.  
Wire terminals - release button - 15 cm bracket.  
With protection diode against current spikes.

#### Specifications

- Weight: 1.2kg
- IP rating: IP40

**CPD number: 0407-CPD-065**

### 1370/30D

### Magnetic door release unit



Same as item 1370/15 D but with a 30cm bracket.

### 1380/15D

### Magnetic door release unit



Same as item 1370/15 D but with a retaining strength of 100kg and 100mA power consumption.

### 1380/30D

### Magnetic door release unit



Same as item 1380/15 D but with a 30cm bracket.



## Fire Resistant Cables

### Halogen Free Sheathed & Shielded Cable



Polyester/aluminium shield and 0,5mm<sup>2</sup> tinned copper drain.  
Recommended for Notifier intelligent loop installation.  
Flame non spreader, halogen free, low level of smoke emission and aggressively.

**2x1,5-LH-500**
**Twisted-shielded cable 2 wires 1,5mm<sup>2</sup>**

Reel of 500m.

**2x2,5-LH-500**
**Twisted-shielded cable 2 wires 2,5mm<sup>2</sup>**

Reel of 500m.

### Halogen Free Sheathed & Shielded Fire Resistant Cables


**2x1,5-LHR-500**
**Twisted-shielded cable 2 wires 1,5mm<sup>2</sup> Fire resistant**

Reel of 500m.

**2x2,5-LHR-500**
**Twisted-shielded cable 2 wires 2,5mm<sup>2</sup> Fire resistant**

Reel of 500m.

### Special wires for communication


**CSR485-100**
**Twisted-shielded cable 2 wires 1mm<sup>2</sup> - 100m**
**CSR485-500**
**Twisted-shielded cable 2 wires 1mm<sup>2</sup> - 500m**

## Fire Brigade Repeater Panels



These panels are only compatible with the NF30/50 & NF3000 Panels.

## Luxembourg

FBF2100

DIN fire brigade repeater panel



## Specifications

- Consumption: 5-20mA @24Vdc
- Dimensions (W x H x D): 255 mm x 185 mm x 58 mm
- Key slot: No

VSD number: G299034

TSZ 0400

Door control unit with switched mode PSU



## Specifications

- Weight: 700g
- Dimensions (W x H x D): 190 mm x 183 mm x 65 mm
- Current alimentation: 24Vdc

AD2W

FSK adapter



## Specifications

- Consumption: 8mA @24Vdc
- Dimension (W x H x D): 148 mm x 178 mm x 40 mm

VdS number: G194010

FSD 2003

Firemen's key safe steel box without lock



## Specifications

- Consumption: 110mA @24Vdc
- Dimension (W x H x D): 190 mm x 170 mm x 160 mm

VdS number: GG103133

## Switzerland

FBF-CH

Fire brigade repeater panel - complies with VKF specification



Without key slot.

**FBF-CH-CAB****Surface mounting box for FBF-CH****Specifications**

- Dimensions (W x H x D): 255 mm x 165 mm x 55 mm

**FBF-MULTI/INT****Interface multi FBF**

Up to 4 FBF-CH can be connected.

## Surge Protection Modules

All modules are modular and easy to fit on standard DIN rails.  
These kind of modules can avoid big damage to the fire panel and auxiliary equipment in case of a lightning strike.

**ZB24544****Surge protection module for 24V loop (use 1 loop, 2 channels)****ZB24518****Surge protection module for RS485 interface****ZB24578****Surge protection module for sounder output****MA05/D/2****Surge protection module 220V - up to 5A****MA10/D/2****Surge protection module 220V - up to 10A****MA15/D/2/SI****Surge protection module 220V - up to 15A**

## Manual Call Point Accessories

**P056****Breakable cover seal for MCP****CG2****Nylon cable gland for IP55 AND IP67 call point**

## Protective Accessories

## Steel protective covers for detectors



Steel web stoppers are for areas where abuse to smoke detectors, emergency lighting and so on, is severe. Constructed from plastic coated galvanised steel rod the cages can cope with the severest of abuse from vandalism or accidental damage. Installation and service is very easy with models for flush and surface mounting.

<b>STI 9601</b>	<b>Low profile, flush mounting 70 (h) x 210 (Ø) mm</b>
<b>STI 9602</b>	<b>Low profile, surface mounting 108 (h) x 210 (Ø) mm</b>
<b>STI 9604</b>	<b>Low profile, flush mounting 80 (h) x 175 (Ø) mm</b>
<b>STI 9605</b>	<b>Low profile, surface mounting 115 (h) x 175 (Ø) mm</b>
<b>STI 9606</b>	<b>Low profile, flush mounting 95 (h) x 175 (Ø) mm</b>
<b>STI 9609</b>	<b>High profile, flush mounting 114 (h) x 210 (Ø) mm</b>
<b>STI 9610</b>	<b>High profile, surface mounting 145 (h) x 210 (Ø) mm</b>
<b>STI 9624</b>	<b>Detector guard 225 (h) x 140 (w) x 120 (d) mm</b>
<b>FR-1000-019</b>	<b>Protective Cage (F5000 controller)</b>



Protective Cage for the FIRERAY 5000 System Controller.

<b>FR-1000-018</b>	<b>Protective Cage (F5000 detector)</b>
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Protective Cage for the FIRERAY 5000 motorised detector.

<b>FR-1000-020</b>	<b>Protective Cage (F50R/F100R)</b>
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Protective Cage for the FIRERAY 50R/100R detector.

**STI 9706****Beam detector guard for 6500 / LPB-700 / NFXI-BEAM****Specifications**

- Dimensions (H x W x D): 275 mm x 237 mm x 120 mm

**STI 9707****Surface mounted beam detector guard for 6500/ LPB-700/ NFXI-BEAM****Specifications**

- Dimensions (H x W x D): 280 mm x 244 mm x 140 mm

**Steel Protective Covers for MCP**

- Constructed from tough clear polycarbonate.
- Protects equipment from accidental operation, vandalism, product misuse, dust and weather.
- Available with or without integral sounder.
- Integral sounder powered by a 9V PP3 battery (included).
- Available for flush or surface mounted products.
- Lock or break seal options for added security.
- Weather proofing available with a choice of gaskets.
- Optional depth spacers to accommodate a wider variety of products.

Protective cover to help stop malicious or accidental false fire alarms.

This unique device has been helping stop false fire alarms around the world for decades, without restricting legitimate operation of devices such as fire alarm break glass call points. It is ideal for schools, colleges, hospitals, nursing homes, hotels and all public buildings where there is a threat of false fire alarms.

The Stopper consists of a clear, tamper-proof, tough polycarbonate cover and frame that fits over the break glass call point. When lifted to gain access to the break glass, its optional battery powered integral sounder emits a piercing 120 dB. Immediate attention is drawn to the area and a prankster will either run or be caught.



Please replace "n" in the part n° by the code for the needed language:  
N = Dutch; F = French; E = Englisch; D = German; I = Italian

**STI 6530n****Stopper flush mounted without sounder****STI 6531n****Stopper surface mounted without sounder****STI 6532n****Stopper flush mounted with sounder****STI 6533n****Stopper surface mounted with sounder****STI 6534n****Weather stopper flush mounted without sounder**



STI 6535n

Weather stopper surface mounted without sounder



- Strong, durable cover to take even the severest of knocks.
- Protects equipment against damage, dust and grime as well as water ingress.
- A variety of cable entry gaskets are available.
- Ideal in saline atmospheres.
- Optional depth spacers to accommodate a wider variety of products.
- Available for flush or surface mounted products.
- Available in red, yellow, green and blue.
- Lock or break seal options for added security.

Cover to protect against the ingress of dust or water. The Weather Stopper is a protective cover that is ideal for extending the life and reliability of weather exposed devices, such as manual call points. It offers protection against harsh environments and conditions both outside and inside, as well as preventing tampering, vandalism and damage from accidental operation. Easy to install, the Weather Stopper consists of a clear, tamper-proof, tough polycarbonate cover, frame and weather gasket that fits over the manual call point. The weather gasket seals the unit, preventing dust, grime and water from getting to the device. In the event of an emergency, simply lift the cover to gain access to the protected device.

-  For Green, Blue or Yellow add /G, /B, /Y
-  Options : extra cost

/BS

Security break seal

/L

Frangible lock

Steel protective covers for Audio & Visual Devices

STI 9621

Protective cover for NS/NX series audio & visual devices

STI 9617

Protective cover for intelligent audio & visual devices

Steel protective covers for signalling panels

STI 9640

Exit light guard



Specifications

- Dimensions (H x W x D): 270 mm x 350 mm x 65 mm

STI 9641

Exit light guard



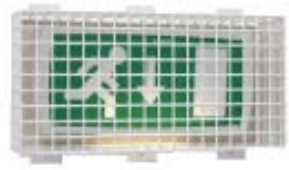
Specifications

- Dimensions (H x W x D): 270 mm x 380 mm x 100 mm



### STI 9645

#### Exit light guard

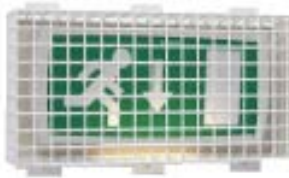


##### Specifications

- Dimensions (H x W x D): 350 mm x 550 mm x 150 mm

### STI 9649

#### Exit light guard



##### Specifications

- Dimensions (H x W x D): 254 mm x 558 mm x 241 mm


Detector Test Equipment

25E Smoke Detector Tester

HSI-25E Smoke Detector Tester



Compatible with HSI-1490D delivery tube.  
150ml - Flammable canister.  
Box of 12 cans.  
AITA Rules for Air Freight: UN 1950 Class 2.1 No subsidiary risk.

 Please note that next to the standard freight charge a special ADR cost will be charged following the transportation safety regulations for flammable or dangerous products.

25E Smoke Detector Tester Accessories

HSI-1490D 18" Fiberglass Delivery Tube for 25E



Compatible with HSI-25E  
Length of 45cm

SDT Series Smoke Detector Testers

SDT150-12 Smoke detector testers



Handheld unit for functional testing of smoke detectors.  
150 ml - Non flammable canister.  
Box of 12 cans.

SDT250-12 Smoke detector testers



For use with Solo 330 Smoke Dispenser.  
Not suitable for handheld use.  
250ml - Non flammable canister.  
Box of 12 cans.



## SOLO A7

## Detector duster




For cleaning smoke detectors.  
250ml - non flammable canister.  
Box of 12 cans.

## SDT150-S-12

## Smoke Sabre



Smoke Detector Tester for handheld use.  
Telescopic Smoke Dispenser included per can.  
150 ml - UL listed - Flammable canister.  
Box of 12 cans.

 Please note that next to the standard freight charge a special ADR cost will be charged following the transportation safety regulations for flammable or dangerous products.

## SDT Series Smoke Detector Tester Accessories

## SOLO 810

## Smoke detector test starter pack 2,5 metres



Includes:  
1 x Solo 101 Fibreglass Extension Pole - 1,13m  
1 x Solo 330 Aerosol Smoke Dispenser

## SOLO 808

## Smoke detector test starter pack 4 metres



Includes:  
1 x Solo 108 Fibreglass Extension Pole - 2,5m  
1 x Solo 330 Aerosol Smoke Dispenser

## SOLO 809

## Smoke detector test starter pack 6 metres



Includes:  
1 x Solo 100 Fibreglass Telescopic Ext. Pole - 4,5m  
1 x Solo 330 Aerosol Smoke Dispenser

## SOLO 811

## Smoke detector test &amp; removal set 6 metres



Includes:  
1 x Solo 100 Fibreglass Telescopic Ext. Pole - 4,5m  
1 x Solo 200 Universal Removal Tool  
1 x Solo 330 Aerosol Smoke Dispenser  
1 x Solo 610 Protective Carrying/Storage Bag

## SOLO 814

## Smoke & mains heat detector test set 6 metres



Includes:

- 1 x Solo 100 Fibreglass Telescopic Ext. Pole - 4,5m
- 1 x Solo 200 Universal Removal Tool
- 1 x Solo 330 Aerosol Smoke Dispenser
- 1 x Solo 424 240V Heat Detector Tester
- 1 x Solo 610 Protective Carrying/Storage Bag

## SOLO 822

## Smoke & cordless heat detector test set 6 metres



Includes:

- 1 x Solo 100 Fibreglass Telescopic Ext. Pole - 4,5m
- 1 x Solo 200 Universal Removal Tool
- 1 x Solo 330 Aerosol Smoke Dispenser
- 1 x Solo 461 Cordless Heat Detector Test Set
- 1 x Solo 610 Protective Carrying/Storage Bag

## SOLO 610

## Protective carrying storage bags



## SOLO 101

## Fiberglass extension pole - 1,13m



Reach of 2,5 m including height of man.

## SOLO 108

## Fiberglass 2 section telescopic pole - 2,5m



Reach of 4 m including height of man.

## SOLO 100

## Fiberglass 4 section telescopic pole - 4,5m



Reach of 6 m including height of man.

## S713AT

## Adapter tool 713



Adapter for connection of ECO1000DRT.  
Compatible with Solo poles. Incl. magnet tester.

## SOLO 200

## Universal detector removal tool



Detector removal tool which is compatible with most types of fire detectors.

## SOLO 330

## Aerosol smoke dispenser



Economic and easy for testing smoke detectors.  
For use with SOLO 100 poles.

## SOLO 424

## Heat detector tester 220V-240V



Complete with 5 metre cable.

## SOLO 461

## Cordless heat detector tester set



Includes :  
1 x solo 460-001 cordless Heat Unit  
2 x Solo 760-001 NIMH Battery Baton  
1 x Solo 725-001 Fast Charger

## Testifire units

### TESTIFIRE 1000-001

### Testifire 1000-001 smoke/heat unit



Includes:  
1 x Testifire 1000-001 Head Unit  
1 x TS3-001 Smoke Capsule

### TESTIFIRE 1001-001

### Testifire 1001-001 smoke/heat kit



Includes:  
1 x Testifire 1000-001 Head Unit  
1 x TS3-001 Smoke Capsule  
2 x SOLO 760 NIMH Battery Baton  
1 x Solo 725-001 Fast Charger

## TESTIFIRE 6001-001

## Testifire 6001-001 smoke/heat kit 6 metres



Includes:

- 1 x Testifire 1000-001 Head Unit
- 1 x TS3-001 Smoke Capsule
- 2 x Solo 760-001 NIMH Battery Baton
- 1 x Solo 725-001 Fast Charger
- 1 x Solo 100-001 Fibreglass Telescopic Access Pole 4.5 metres
- 1 x Solo 200-001 Universal Detector Removal Tool
- 1 x Solo 610-001 Protective Carrying / Storage Bag

## TESTIFIRE 9001-001

## Testifire 9001-001 smoke/heat kit 9 metres



Includes:

- 1 x Testifire 1000-001 Head Unit
- 1 x TS3-001 Smoke Capsule
- 2 x Solo 760-001 NIMH Battery Baton
- 1 x Solo 725-001 Fast Charger
- 1 x Solo 100-001 Fibreglass Telescopic Extension Pole 4.5 metres
- 3 x Solo 101-001 Fibreglass Extension Pole 1.13metres
- 1 x Solo 200-001 Universal Detector Removal Tool
- 1 x Solo 610-001 Protective Carrying / Storage Bag

## TESTIFIRE 2000-001

## Testifire 2000-001 smoke/heat/CO unit



Includes:

- 1 x Testifire 2000-001 Head Unit
- 1 x TS3-001 Smoke Capsule
- 1 x TC3-001 CO Capsule

## TESTIFIRE 2001-001

## Testifire 2001-001 smoke/heat/CO kit



Includes:

- 1 x Testifire 2000-001 Head Unit
- 1 x TS3-001 Smoke Capsule
- 1 x TC3-001 CO Capsule
- 2 x Solo 760-001 NIMH Battery Baton
- 1 x Solo 725-001 Fast Charger

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## TESTIFIRE 6201-001

## Testifire 6201-001 smoke/heat/CO kit 6 metres



Includes:

- 1 x Testifire 2000-001 Head Unit
- 1 x TS3-001 Smoke Capsule
- 1 x TC3-001 CO Capsule
- 2 x Solo 760-001 NIMH Battery Baton
- 1 x Solo 725-001 Fast Charger
- 1 x Solo 100-001 Fibreglass Telescopic Access Pole 4.5 metres
- 1 x Solo 200-001 Universal Detector Removal Tool
- 1 x Solo 610-001 Protective Carrying / Storage Bag

## TESTIFIRE 9201-001

## Testifire 9201-001 smoke/heat/CO kit 9 metres



Includes:

- 1 x Testifire 2000-001 Head Unit
- 1 x TS3-001 Smoke Capsule
- 1 x TC3-001 CO Capsule
- 2 x Solo 760-001 NIMH Battery Baton
- 1 x Solo 725-001 Fast Charger
- 1 x Solo 100-001 Fibreglass Telescopic Extension Pole 4.5 metres
- 3 x Solo 101-001 Fibreglass Extension Pole 1.13metres
- 1 x Solo 200-001 Universal Detector Removal Tool
- 1 x Solo 610-001 Protective Carrying / Storage Bag

## Testifire replacement capsules

### TS3-3PACK-001

### Replacement smoke capsule



Up to 900 tests per capsule! (pack of 3pcs).

### TS3-001

### Replacement smoke capsule



Up to 900 tests per capsule! (pack of 6pcs).

### TC3-3PACK-001

### Replacement CO capsule



Up to 900 tests per capsule! (pack of 3pcs).

**Detector Tester Spare Parts****SPARE 1002****Pair of transparent grips for Solo 200****SPARE 1005****Silicone membrane for Solo300****SPARE1028****Aerosol retaining cup****SPARE 1049****Membrane ring for testfire****SOLO 460-001****Cordless heat detector head unit only****SOLO 760-001****Nimh battery baton****SOLO 725-001****220/240V Mains & car charger**

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## System Sensor test equipment Series

### S300 DRT

#### Detector removal tool for Serie 800 detectors



Compatible with SOLO 100 pole series by S713AT adapter.

### ECO1000 DRT

#### Detector removal tool for ECO1000 detectors



Compatible with SOLO 100 pole series by S713AT adapter.

### ECO1000 RTU

#### Remote laser test unit



The unit transmits a coded message, preventing spurious alarms being generated by other laser-based devices. With a range of several metres, the hand held test unit provides an effortless way of remotely alarm testing the range of ECO1000 detectors and removes the need for any direct physical access to the detector by the user.

### MOD400R

#### Detector metering adaptor module

Measure the sensitivity range of both 400/500/600/700 Series Smoke detectors.  
Contains test module and interface cord. To be connected to any DC voltmeter.

### MOD45R

#### Replacement cord for MOD400R

### M02-04

#### Test magnet

For all Series Detectors except ECO & 800 series.  
Activates internal reed switch to give alarm.

### M02-09-00

#### Test magnet on telescopic ROD

For all Series Detectors except ECO & 800 series.  
Activates internal reed switch to give alarm.

## POL-100 Portable Loop Polling Tool



Compatible with Notifier loop protocol.

The POL-100 replaces the old POLLING-T. It is designed to help the technician for the intelligent loop commissioning. The POL-100 is equipped with a blue backlit display and removable terminals. A USB port allows to upload the data to a laptop. It is powered via batteries.

The POL-100 displays :

- The resistance between loop wires & wires and earth
- The voltage on the loop
- the identification of devices (auto-learn)
- Eventually, the double or missed address
- the PW value of each detector

It is also able to register informations of a device for later diagnostic.

**POL-100**

**Polling tool**

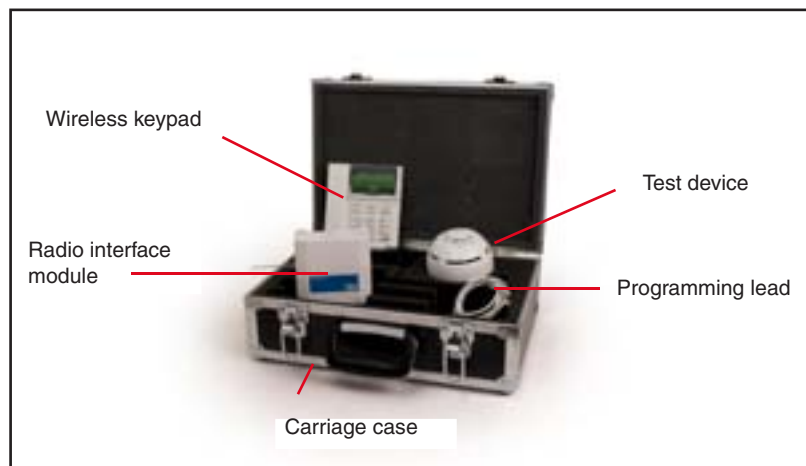
**POL-100-ACC**

**Accessory belt for POL-100**

## Test Equipment for Sagittarius wireless system

**SGSK100**

**Test kit for sagittarius wireless system**



For SAGITTARIUS series wireless detectors.

Compatible with SOLO 100 pole series by S713AT adapter.

Complies to EN 54-25.

The SGSK100 is composed of the following elements:

1. A carrying case.
2. A pair of carrying case's keys.
3. A test device.
4. A test device's adaptor base.
5. A battery for the test device: CR123A (3 V & 1.2 Ah).
6. A holding pole for the test device.
7. A radio interface module.
8. A power supply transformer unit for the radio interface.
9. A wireless keypad.
10. An ER9V battery for the wireless keypad (9 V & 1.2 Ah).
11. A programming lead for wireless keypad and radio interface connection.
12. A compact disk containing the wireless system configuration program (Wirelex) for the PC.

**SG-DRT**

**Detector head removal tools**

## Flame detector testers



Specially designed to use with the 20/20 series.

Based on a emitting of electromagnetic radiation recognized by the specific Flame Detectors.

Allows to test Detectors under real conditions without the associated risks of an open flame.

The simulators use NiCd batteries as a rechargeable power source.

Possibility to add a collimator to extend the range of application.

**20/20-310**

**Fire simulator for triple IR flame detectors**

(20/20I, 20/20XI, 20/20SI, 20/20MI, 20/20FI, 20/20CTIN and CTIP).

**20/20-311**

**Fire simulator for UV/IR flame detectors**

(20/20L-LB, 20/20ML, 20/20F, 20/20U-UB and 20/20MU).

**20/20-312**

**Fire simulator for single IR flame detectors**

(20/20R and 20/20MR).

**20/20-313**

**Fire simulator for hydrogen flame detectors**

(20/20H, 20/20SH and 20/20MH ).

**20/20-190**

**Collimator for 20/20 simulators**

## Gas Detector Test Equipments

<b>Z-CAL-COM</b>	<b>Gas detector calibration kit - combustible detectors</b>
	<p>The test kit includes the following items:</p> <p>1 x Z-02000-A1645 calibration gas flow housing Signalpoint &amp; Sensepoint</p> <p>1 x Z-ZCALREG1 pre-set flow regulator</p> <p>1 x Z-SPPPTUB tygon tube</p> <p>1 x Z-ZCAL2ALF1 2,2%VOL Methane in Cylindre</p> <p>1 x Z-2302D0765 Case for storing the above products</p>
<b>Z-CAL-CO</b>	<b>Gas detector calibration kit - CO gas detectors</b>
	<p>The test kit includes the following items:</p> <p>1 x Z-02000-A1645 calibration gas flow housing Signalpoint &amp; Sensepoint</p> <p>1 x Z-ZCALREG pre-set flow regulator</p> <p>1 x Z-SPPPTUB tygon tube</p> <p>1 x Z-ZCAL2ALC3 250ppm Carbon Monoxide in Cylinder</p> <p>1 x Z-2302D0765 Case for storing the above products</p>
<b>Z-02000-A1645</b>	<b>Calibration gas flow housing for Signalpoint &amp; Sensepoint</b>
<b>Z-SPPPCAL</b>	<b>Calibration cup for Sensepoint Pro &amp; Plus</b>
<b>Z-ZCALREG1</b>	<b>Pre-set 0,3l/m flow regulator</b>
<b>Z-SPPPTUB</b>	<b>1m tygon tubing (suitable for all gases)</b>
<b>Z-2302D0765</b>	<b>Case for up to 2x2 alu. gas cylinders, regulator, tubing</b>
<b>Z-ZCAL2ALF1</b>	<b>2,2%Vol. Methane in air (EU=50% LEL, US=44% LEL)</b>
<b>Z-ZCAL2ALO1</b>	<b>20,9%Vol Oxygen in air</b>
<b>Z-ZCAL2ALC3</b>	<b>250 ppm Carbon monoxide in air</b>
<b>Z-ZCAL2ALA1</b>	<b>25 ppm Ammonia in air</b>
<b>Z-ZCAL2ALA2</b>	<b>300 ppm Ammonia in air</b>



Consumable 2AL Cylinder (34 L) - Approximately 30 Calibrations.



Please note that next to the standard freight charge a special ADR cost will be charged following the transportation safety regulations for flammable or dangerous products.

This means a fix amount per shipment will be invoiced whenever a flammable smoke detector tester class 2.1 UN1950 will be shipped. Till 20 box, this amount will be 10 euro per shipment. For more than 20 boxes, 35 euro will be invoiced.

## Accessories

## Notes

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