



Morley-IAS by Honeywell Product Catalogue v1.0
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Morley-IAS Product Catalogue, version 1.0

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Fire and Gas Detection Systems

Product Catalogue

Fire and Gas Detection Systems



Introduction

Welcome to the new Morley-IAS by Honeywell Fire and Gas Detection Catalogue.

Morley-IAS is one of the worlds leading designers and manufacturers of fire alarm control panels and associated equipment for professional fire alarm installers. Our goal is to deliver unsurpassed value through technical innovation and talented, professional people. We listen to our customers to ensure that we understand not only their product requirements, but also their expectations for customer and technical support.

Continuous investment in research and development drives the delivery of modern high technology products, which puts the Morley-IAS brand in a leading position in the fire industry.

By choosing Morley-IAS, you are assured of working with a company that has a well established reputation for quality products with first-class support. The wide range of products from Morley-IAS allows you the freedom to design the system that best suits your needs with the option to create, add and enhance, whenever and however you wish. Our extensive network of trained installers and maintenance operatives gives end users the freedom to choose the service provider that best meets their requirements. We supply our products to professional and qualified fire alarm installers who will design and install a complete system for a building as well as providing commissioning and maintenance.

This edition contains the updated list of our product range of fire and gas detection.

Morley-IAS continually invests in marketing, research and development, ensuring that our products keep pace with leading edge technology, current legislation and market requirements. This strategic investment also includes development of our people's skills so that we can ensure the highest quality of service, support and industry knowledge at all times.

To ensure that our equipment meets the demands of all our customer's world-wide, Morley-IAS offers a flexible, extensive product range, offering many variants tuned precisely to our customer's requirements, as you would expect from a world-leading manufacturer.

We are looking forward to continued success in working together.

Your Morley-IAS Team

Legend:  Special informations



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

1. 13

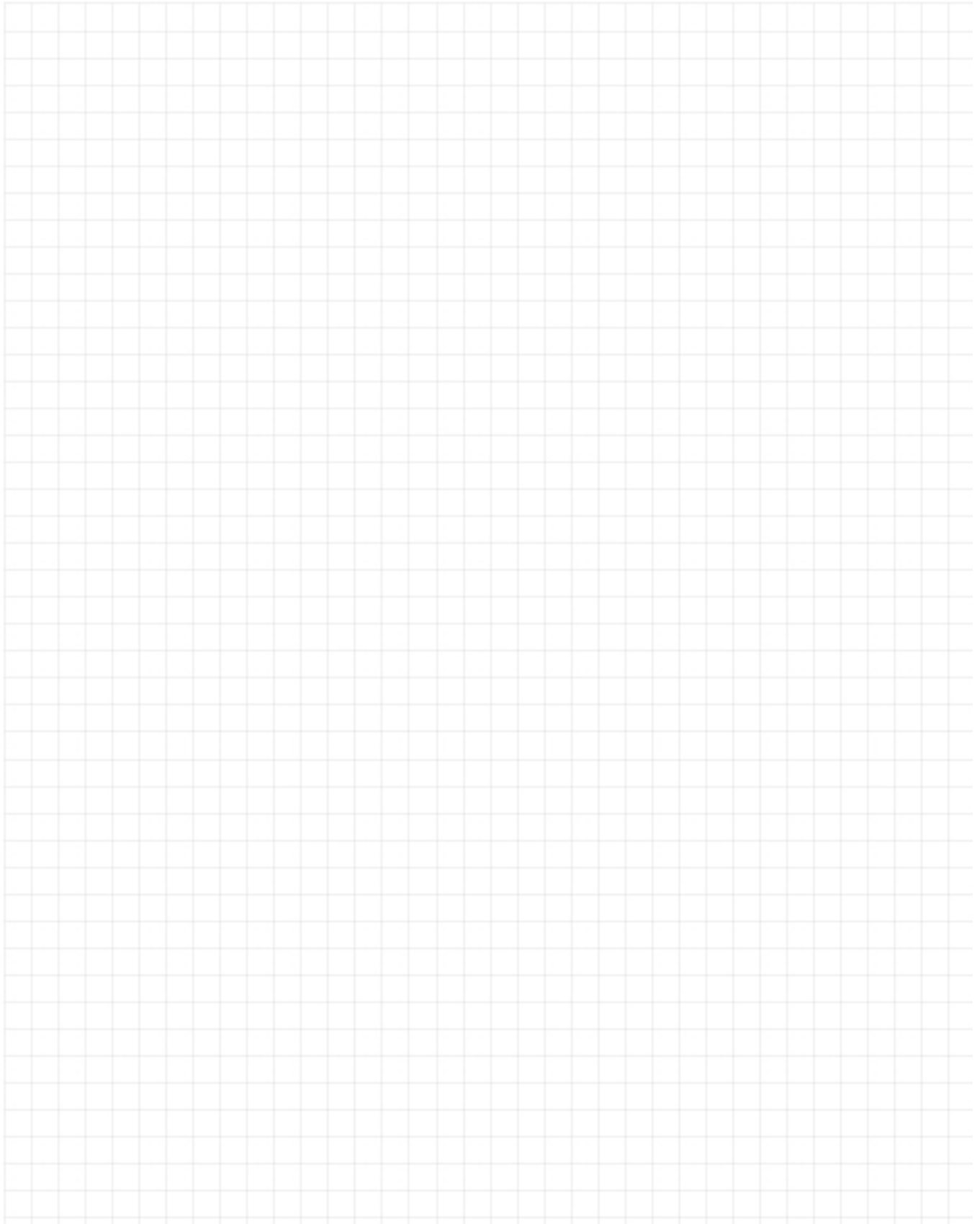


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Notes

1. 13

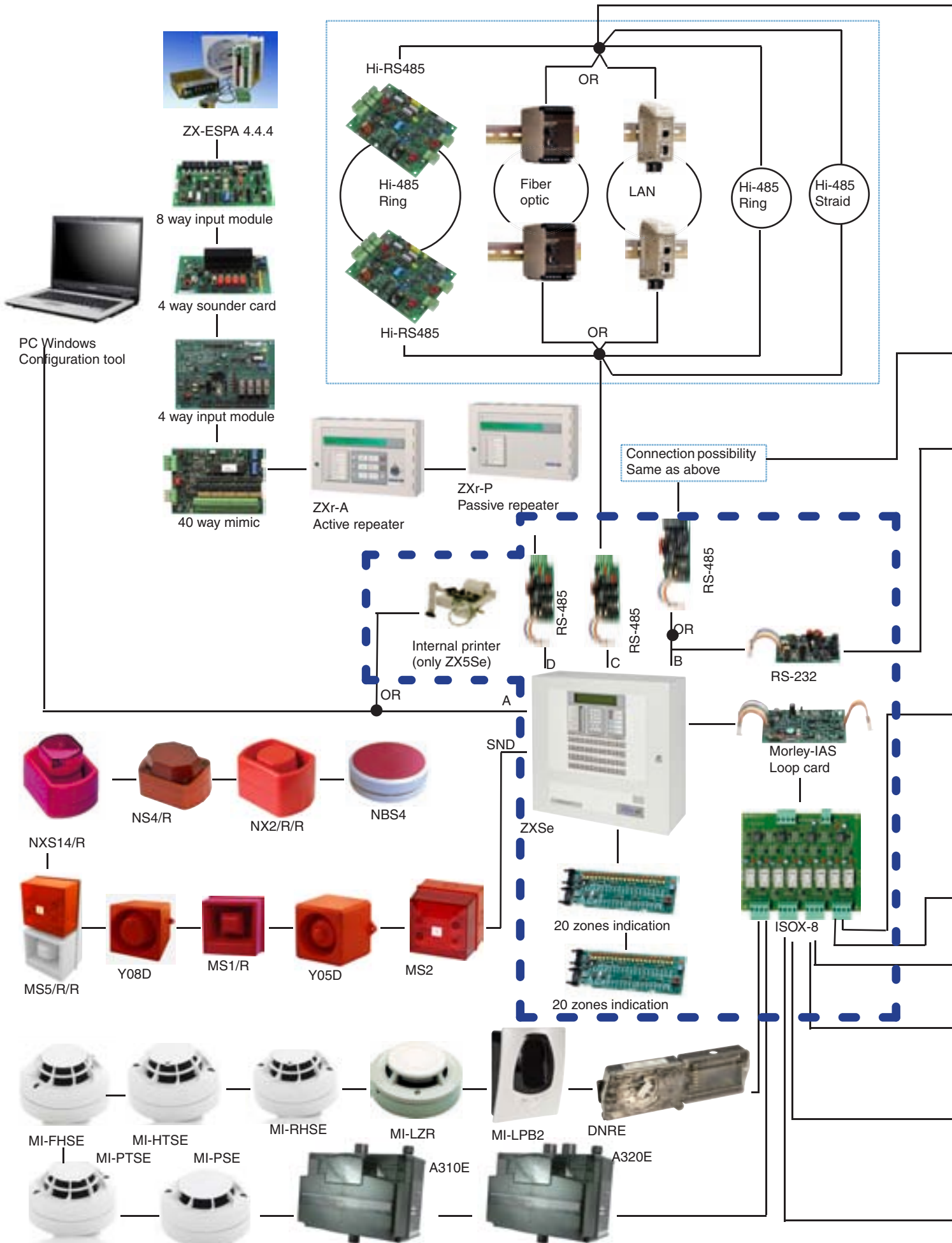
A large grid of graph paper for taking notes, consisting of 20 columns and 30 rows of small squares.



**Intelligent
Systems**

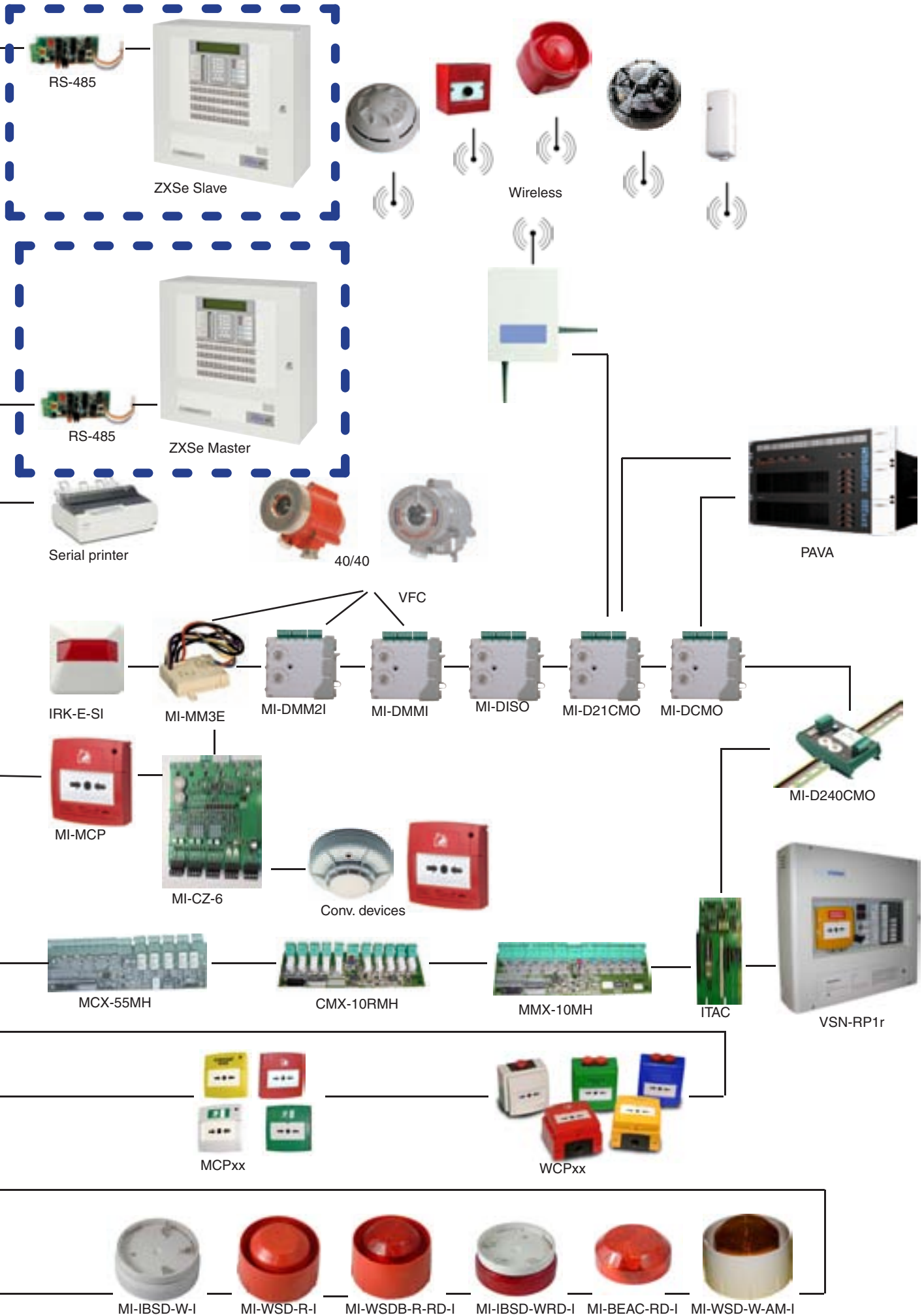
MORLEY IAS
FIRE SYSTEMS
by Honeywell

Example of system overview of ZXSe



Intelligent Systems

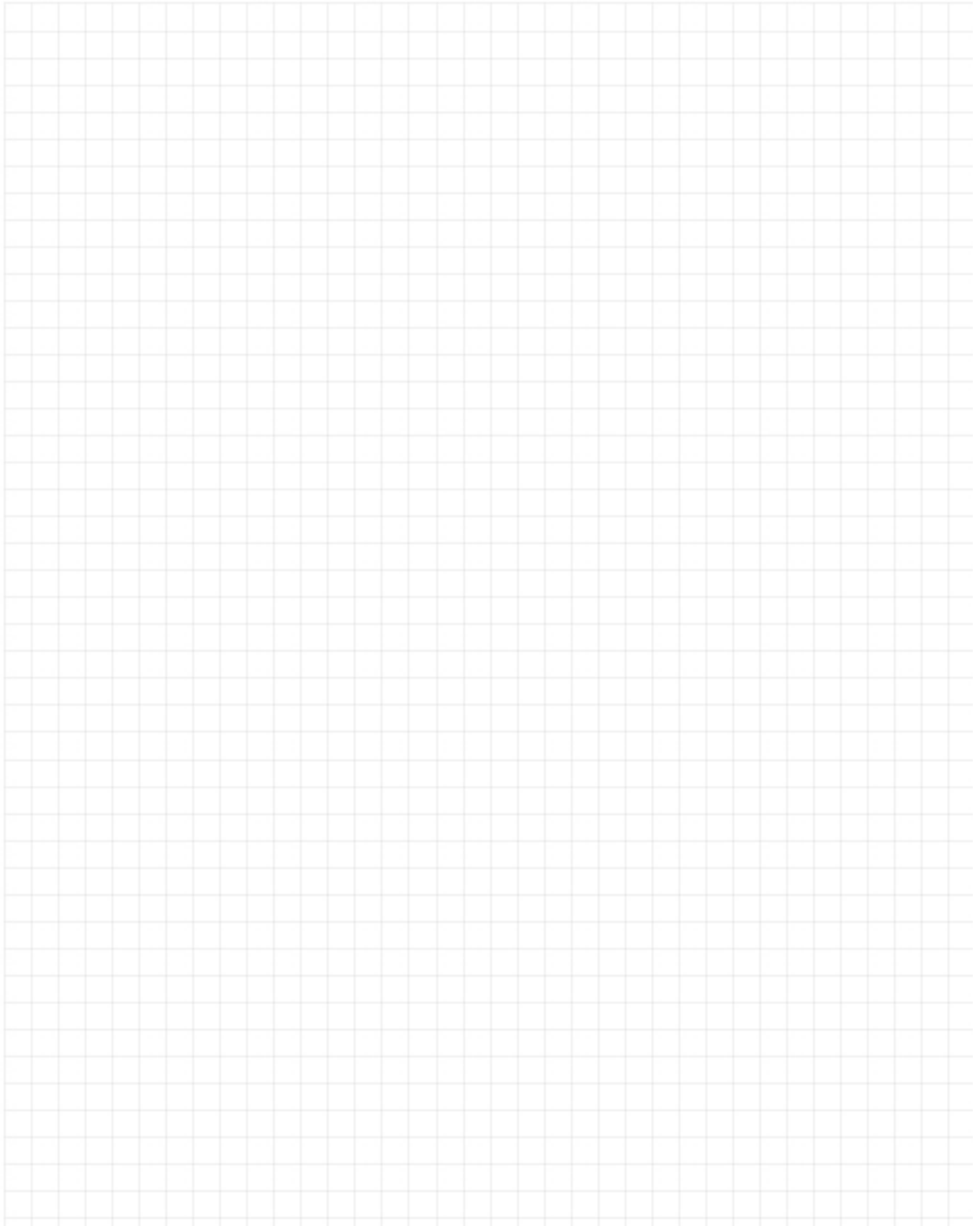
Intelligent system overview



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

Notes

1. 1.3



DXc Series



- Optional 40 or 80 zone alarm LEDs
- Easy 4 key-press set-up
- Large blue LCD display
- Supports USB upload/download
- Mobile phone style keypad and navigation keys
- Option to upload a company logo

The Morley-IAS DX Connexion panel is ideally suited for use in the protection of small to medium sized buildings. All in all, a compact, high performance, feature rich, economical fire alarm control panel designed to help for both the installer and the end user.

The DX Connexion is an enhancement of the Morley-IAS Dimension panel range, connecting the traditional Morley-IAS qualities of reliability, flexibility and value with advanced features and intuitive functionality.

The DX Connexion range of fire alarm control panels has been developed to be the most time efficient fire panel on the market to install. Simply fix the control panel to the wall, connect the field wiring, and in as few as four button presses later you can have a compliant, working fire alarm system.

The panel's large graphical display provides a clear menu structure making the whole initial set-up process quick, clear and intuitive.

Programming the control panel couldn't be easier. Text can be quickly inserted from the panel's mobile phone style keypad to identify the exact location of each field device. Alternatively, with the use of the DX Connexion PC tools, text can be input or imported from an Excel document.

All panel features and system cause and effect can be programmed via either the panels large LCD display or by using the Windows configuration tool.

DXc1

One loop Fire Alarm Control Panel

Specifications

- Dimensions (HxWxD): 260 mm x 390 mm x 147 mm
- Weight: 4kg
- Colour: RAL 9002 - Grey white
- Operating voltage: 230V AC (+15%,-15%) 50-60 Hz
- PSU rating: 24 VDC 2A
- Space for stand-by batteries: 2 x 7Ah

DXc2

Two loop Fire Alarm Control Panel

Specifications

- Dimensions (HxWxD): 391.5 mm x 390 mm x 147 mm
- Weight: 4.5kg
- Colour: RAL 9002 - Grey white
- Operating voltage: 30 VAC (+15%,-15%) 50-60 Hz
- PSU rating: 24 VDC 4A
- Space for stand-by batteries: 2 x 17Ah

DXc4


Four loop Fire Alarm Control Panel

Specifications

- Dimensions (HxWxD): 391.5 mm x 390 mm x 147 mm
- Weight: 4.5kg
- Colour: RAL 9002 - Grey white
- Operating voltage: 230 VAC (+15%,-15%) 50-60 Hz
- PSU rating: 24 VDC 4A
- Space for stand-by batteries: 2 x 17Ah



DX Series

 Morley-IAS loop protocol only.
CPD Approved (0786-CPD-20853).

705-021

DX1e-20S-M Single Loop Control Panel



Specifications

- Dimensions (HxWxD): 245 mm x 365 mm x 110 mm
- Weight: 5kg
- Space for stand-by batteries: 2 x 7Ah

705-022

DX1e-40M-M Single Loop Control Panel



With 1 loop, 2 sounder circuits and 40 fire zones.
Loop capacity of 99 detectors and 99 modules call point.

Specifications

- Dimensions (HxWxD): 380 mm x 380 mm x 130 mm
- Weight: 7kg
- Space for stand-by batteries: 2 x 7Ah or 2 x 12Ah

705-024

DX2e-40M-M 2 Loops Control Panel



Specifications

- Dimensions (HxWxD): 380 mm x 380 mm x 130 mm
- Weight: 7kg
- Space for stand-by batteries: 2 x 7Ah or 2 x 12Ah

705-028

DX4e-40L-M 4 Loops Control Panel



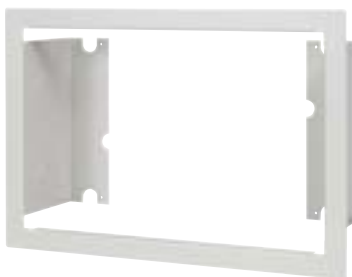
With 4 loops, 2 sounder circuits and 40 fire zones.
Loop capacity of 99 detectors and 99 modules call point.

Specifications

- Dimensions (HxWxD): 620 mm x 380 mm x 130 mm
- Weight: 9kg
- Space for stand-by batteries: 2 x 12Ah or 2 x 17Ah

797-066

Bezel kit for DX1e-20S



Specifications

- Dimensions (HxW): 300 mm x 435 mm
- Weight: 7kg
- Space for stand-by batteries: 2 x 7Ah or 2 x 12Ah

797-067

Bezel kit for DXxe-40M

Specifications

- Dimensions (HxW): 435 mm x 435 mm
- Weight: 7kg
- Space for stand-by batteries: 2 x 7Ah or 2 x 12Ah

797-068

Bezel kit for DXxe-40L

Specifications

- Dimensions (HxW): 680 mm x 435 mm
- Weight: 7kg
- Space for stand-by batteries: 2 x 7Ah or 2 x 12Ah

797-074

Glass door kit for DX control panels M and L size

795-082

Engineers SPK (Software Programming Kit)

CD with Fire - 6 and Dimension configuration tools.

020-891

USB Interface lead cable

For use with DX panels



ZXSe Series

722-001-301

ZX1Se Single Loop Intelligent Panel



The ZX1Se is an intelligent fire alarm control panel. It has been designed and constructed around proven and reliable microprocessor technology. This simple approach has produced a modular, scalable fire alarm platform suitable for protecting all types of premises.

Specifications

- Dimensions (HxWxD): 400 mm x 400 mm x 135 mm
- Operating voltage: 230V 50Hz AC
- Weight: 10 kg without batteries
- Construction: Sheet steel painted, sealed to IP30
- Loop Capacity: 1 Loop 460mA Maximum

CPD number: 0786-CPD-20917

- Multi-protocol
- Modular concept
- Simple, robust design to EN54
- Intuitive to use
- Easy to maintain
- Easy to expand
- Easy to network
- Easy to install
- Easy to configure

720-001-301

ZX2Se 1 or 2 Loop Intelligent Panel



The ZX2Se is an intelligent fire alarm control panel. It has been designed and constructed around proven and reliable microprocessor technology. This simple approach has produced a modular, scalable fire alarm platform suitable for protecting all types of premises.

Specifications

- Dimensions (HxWxD): 400 mm x 400 mm x 135 mm
- Operating voltage: 230V 50Hz AC
- Weight: 10 kg without batteries
- Construction: Sheet steel painted, sealed to IP30
- Loop capacity: 1 Loop 460mA Maximum

CPD number: 0786-CPD-20917

721-001-301

ZX5Se 1 to 5 Loop Intelligent Panel



Specifications

- Dimensions (HxWxD): 500 mm x 500 mm x 195 mm
- Operating voltage: 230V 50Hz AC
- Weight: 20 kg without batteries
- Construction: Sheet steel painted, sealed to IP32
- Loop capacity: 1 to 5 Loops expandable, 460mA per loop maximum

CPD number: 0786-CPD-20917

795-072

Loop driver card Morley-IAS protocol - 250mA



Compatible with Zxe and ZXSe panels.

795-072-100

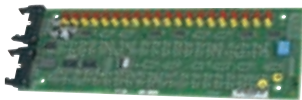
Loop driver card Morley-IAS protocol 460mA



Only compatible with ZXSe panels.

795-077-020

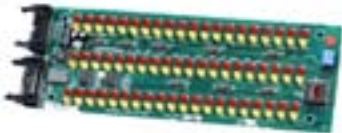
20-zones indication expansion module; only for ZX5Se



Expansion zone 21 till 40 (zone 1 till 20 is included in panel).

795-077-060

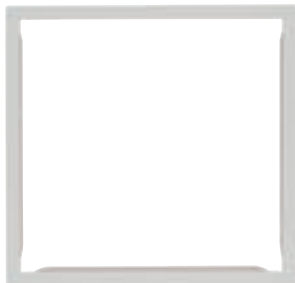
60-zones indication expansion module; only for ZX5Se



Expansion zone 21 till 80 (zone 1 till 20 is included in panel).

797-061

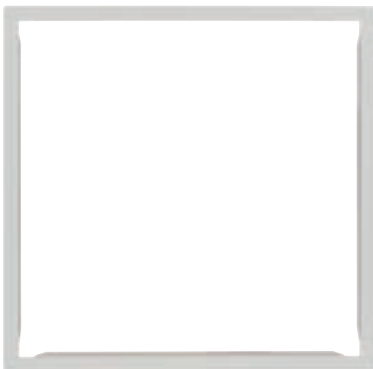
ZX1Se/ZX2Se Bezel kit.



Semi flush mounting kit for ZX1Se or ZX2Se control panel.
Bezel size 450 x 450mm.

797-062

ZX5Se Bezel kit.



Semi flush mounting kit for ZX5Se control panel.
Bezel size 550 x 550mm.



797-063

ZX1Se/ZX2Se Glass door kit



797-064

ZX5Se Glass door kit



797-076

"L" shaped mounting bracket to fit peripheral pub's into ZXSe serie



795-063

PSU/Charger in Box, 24VDC/5 Amp.



Space for 2x 12V/24 Ah batteries.

Specifications

- Dimensions (HxWxD): 500 mm x 500 mm x 180 mm

795-064

PSU/Charger without enclosure, 24VDC/5 Amp.

797-077

ZX1/2Se Battery box or mounting enclosure



Specifications

- Dimensions (HxWxD): 400 mm x 400 mm x 135 mm

797-078

ZX5Se Battery box or mounting enclosure

Specifications

- Dimensions (HxWxD): 500 mm x 500 mm x 185 mm

795-082

Engineers SPK (Software Programming Kit)

CD with Fire - 6 configuration tools.

795-081-001

Level 1 software key for FIRE - 6

020-891

USB Interface lead cable

For use with DX panels

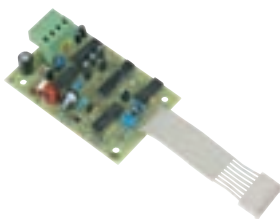
795-004-001

RS-485 Communication Module



795-005

RS-232 Communication Module



795-038-001

HI-485 communication module

Requires an RS485 card to be fitted in the control panel.



709-601-001

ACTIVE repeater panel



Silence, Reset, Mute, Accept, Evacuate and Test Controls. Requires an RS485 card fitted in Control Panel.

Specifications

- Dimensions (HxWxD): 165 mm x 254 mm x 50 mm

709-701-001

PASSIVE repeater panel



Requires an RS485 card fitted in Control Panel.

Specifications

- Dimensions (HxWxD): 165 mm x 254 mm x 50 mm

020-600-002

Bezel Kit for repeater panels.



Semi flush mounting kit.

795-014

4 way, programmable RELAY module, pcb.



i Requires an RS485 card fitted in the Control Panel.

795-015

4 way, programmable SOUNDER module, pcb.



i Requires an RS485 card fitted in the Control Panel.

795-029

8 way, programmable INPUT module, pcb.



i Requires an RS485 card fitted in the Control Panel.

795-065

40 way, programmable MIMIC interface, pcb.



Requires an RS485 card fitted in the Control Panel.

795-060-002

External Printer For ZXSE panels



ZX-ESPA4.4.4

ZXSe ESPA 4.4.4 configuration tool



- Makes it possible to connect on a ZX a paging system via a serial connection.
- Uses the standard Espa444 protocol.
- Windows configuration software.
- Free programmable on site.
- Serial interface including 3 RS232 serial communication ports.
- Filter by group of event: fire, pre alarm, and fault.
- Each group may assign up to five groups of pager or five pagers.
- 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.
- Text by event
- Message length
- Message (panel, loop, device, module, zone)
- 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 ZX and the ESPA4.4.4. If the communication fails a communication fault appears on the ZX.
- Set includes a communication interface with 3 serial RS232 ports, a converter 24/5 VDC, a configuration lead and a CD-rom with the installation manual and software.
- Possibility to filter the zone event (special software on request)

The ZX-Espa4.4.4 is an RS485 interface which can be connected on the Port D of the Zx fire panel and so either in a “stand alone” or network configuration. A all the RS485 bus interface (Mod bus interface, Mimic,...) it takes on address on the RS485 bus. 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 our interface and the pager system and afterwards to test or verify the communication between the interface and the paging system.

Box not delivered. Only software case.

Includes 24/5Vdc Adaptor and Windows configuration tool in 4 languages (NL, FR, UK, GE).

Full duplex communication.

Requires an RS485 communication module.

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



795-057

MODBUS interface module



Requires an RS485 card fitted in Control Panel.

3071-0001

RS485 Fibre Optical Converter for network



DIN rail mounting unit. For fibres with 820nm wavelength.

3071-0201

RS485 Fibre Optical Converter for network



DIN rail mounting unit. For fibres with 1300nm wavelength.

MI200-S2 Series Intelligent detectors with advanced protocol



- 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
- Available with 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

The MI200-S2 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 MI200-S2 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.

The MI200-S2 detectors include the standard protocol as well as the new advanced protocol for enhanced communication with future Morley-IAS panels, offering more features.

Specifications

- Max Wire Gauge for Terminals: 2.5mm²
- 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 (LPCB & CPD)

Pure white

MI-PSE-S2

Digital optical detector



The MI-PSE-S2 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 MI-PSE-S2 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-20745

MI-PSE-S2I

Digital optical detector with isolator

CPD number: 0786-CPD-20739



MI-FHSE-S2

Digital 58°C thermal detector



The MI-FHSE-S2 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. Class A1S

CPD number: 0786-CPD-20746

MI-FHSE-S2I

Digital 58°C thermal detector with isolator

CPD number: 0786-CPD-20740

MI-HTSE-S2

Digital 78°C thermal detector



The MI-HTSE-S2 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. Class BS

CPD number: 0786-CPD-20747

MI-HTSE-S2I

Digital 78°C thermal detector with isolator

CPD number: 0786-CPD-20741

MI-RHSE-S2

Digital R.O.R. thermal detector



The MI-RHSE-S2 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. Class A1S

CPD number: 0786-CPD-20748

MI-RHSE-S2I

Digital R.O.R. thermal detector with isolator

CPD number: 0786-CPD-20742

MI-PTSE-S2

Digital multi (O/T) detector



The multi-criteria multi-sensor MI-PTSE-S2 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 MI-PTSE-S2 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-20744

MI-PTSE-S2I

Digital multi (O/T) detector with isolator

CPD number: 0786-CPD-20738

MI-PTIR-S2

Digital multi (O/T/IR) detector



The MI-PTIR-S2 multi-criteria, multi-sensor Photo Thermal Infra Red detector is the environmentally friendly alternative to the ionisation detector, a technology that is now over sixty years old. The MI-PTIR-S2 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. MI-PTIR-S2 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, MI-PTIR-S2 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-20643

MI-PTIR-S2I

Digital multi (O/T/IR) detector with isolator

CPD number: 0786-CPD-20737



Detector Series for Retrofit & Black ceilings

- 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
- Available with 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
- Ivory colour to complement with retrofit installations using ivory bases and detectors.
- 100% mechanical and electrical backwards compatibility

The MI200-S2 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 MI200-S2 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: 2.5mm²
- 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 (LPCB & CPD)

Ivory

MI-PSE-S2-IV	Digital optical detector, ivory
MI-PSE-S2I-IV	Digital optical detector with isolator, ivory
MI-FHSE-S2-IV	Digital 58°C thermal detector, ivory
MI-FHSE-S2I-IV	Digital 58°C thermal detector with isolator, ivory
MI-HTSE-S2-IV	Digital 78°C thermal detector, ivory
MI-HTSE-S2I-IV	Digital 78°C thermal detector with isolator, ivory
MI-RHSE-S2-IV	Digital R.O.R. thermal detector, ivory
MI-RHSE-S2I-IV	Digital R.O.R. thermal detector with isolator, ivory
MI-PTSE-S2-IV	Digital multi (O/T) detector, ivory
MI-PTSE-S2I-IV	Digital multi (O/T) detector with isolator, ivory
MI-PTIR-S2-IV	Digital multi (O/T/IR) detector, ivory
MI-PTIR-S2I-IV	Digital multi (O/T/IR) detector with isolator, ivory

Black

i In order to obtain a black detector, you have to order the standard detector and change the cover with the black cover indicated below.
Attention: The covers are specific per type of detector.

BCK-200EAP **Black detector cover for Optical MI200-S2 detector**

BCK-200TEAP **Black detector cover for Optical/Thermal MI200-S2 detector**

BCK-200TEMAP **Black detector cover for PTIR MI200-S2 detector**

BCK-200REAP **Black detector cover for Thermal MI200-S2 detector**

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 MI200-S2 Series detectors. Contains adress 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 MI200-S2 series. Raises 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

i 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.

Specifications

- 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.

Specifications

- 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.

Specifications

- 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)



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 & 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 Morley-IAS 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: 1.5mm²
- Operating temperature: -10°C to +70°C
- Voltage range: 2,5 to 30 VDC
- Maximum current: 15mA
- Weight: 40g
- Maximum cable size: 2.5mm²

i 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 MI200-S2 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



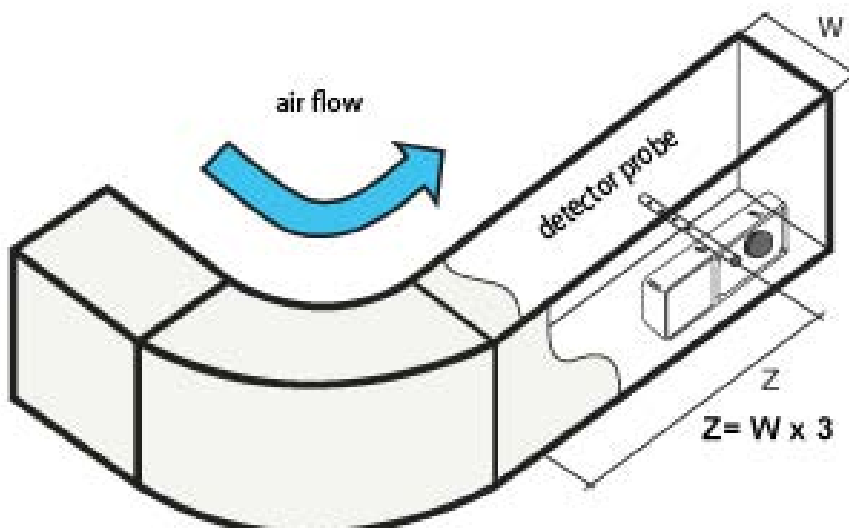
Remote indicator with LED for DNRE and D2E.

503E

Plastic mounting box



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



Intelligent Beam Detectors

MI-LPB2

Intelligent optical smoke beam detector



- 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

The MI-LPB2 is an intelligent reflector type linear optical beam smoke detector 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 MI-LPB2 detector is combined transmitter/receiver units, which can be directly connected to an intelligent loop without the need of a separate local 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

- 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)
 - 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

Short range reflector (5-70m) included.

NEW

MI-LPB2-S2I

Intelligent optical smoke beam detector

Available soon, as a direct replacement for MI-LPB2. The MI-LPB2-S2I includes both the standard protocol and the Advanced Protocol and contains a short-circuit isolator.



Intelligent Beam Detector Accessories

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



BEAM-SMK Surface mounting box



i Absolutely needed when using the mounting Bracket kit.

BEAM-MMK Mounting bracket - swivel type



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

BEAM-HK Heater kit for beam detector



i 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



i 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 Manual 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

MI-MCP is designed to provide a manual alarm interface to Morley-IAS 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

MI-MCP-GLASS

Manual call point with break glass

Including EN54 break glass, without back box.
Compatible with standard electric embedded box with screws.

MI-MCP-GLASS-I

Manual call point with break glass

Including EN54 break glass & isolator, without back box.
Compatible with standard electric embedded box with screws.

MI-MCP-FLEX

Manual call point with flexible

Including EN54 flexible element, without back box.
Compatible with standard electric embedded box with screws.

MI-MCP-FLEX-I

Manual call point with isolator & flexible

Including EN54 flexible element & isolator, without back box.
Compatible with standard electric embedded box with screws.



Other colours



- i** 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.

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

MI-MCP-GLASS-x

Manual call point with break glass

Including EN54 break glass, without back box.
Compatible with standard electric embedded box with screws.

MI-MCP-GLASS-I-x

Manual call point with isolator & break glass

Including EN54 break glass, without back box.
Compatible with standard electric embedded box with screws.

MI-MCP-FLEX-x

Manual call point with flexible

Including EN54 flexible element, without back box.
Compatible with standard electric embedded box with screws.

MI-MCP-FLEX-I-x

Manual call point with isolator & flexible

Including EN54 flexible element & isolator, without back box.
Compatible with standard electric embedded box with screws.

Water resistant (IP67) version

Red colour



- i** The RED 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 additionally.

MI-WCP-R/SG

MCP surface with break glass element

Including back box and break glass.

MI-WCP-R/SF

MCP surface with flexible element

Including back box and flexible operating element.

MI-WCP-R/I/SG

MCP surface with break glass element & isolator

Including back box, break glass and short circuit isolator.

MI-WCP-R/I/SF

MCP surface with flexible element & isolator

Including back box, flexible operating element & short circuit isolator.

Other colours



- i** x= color code / Y = yellow / G = green / B = blue / W = white
- i** 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.

MI-WCP-x/SG **MCP surface with break glass element**

Including back box and break glass.

MI-WCP-x/SF **MCP surface with flexible element**

Including back box and flexible operating element.

MI-WCP-x//SF **MCP surface with break glass element & isolator**

Including back box, break glass and short circuit isolator.

MI-WCP-x//SG **MCP surface with flexible element & isolator**

Including back box, flexible operating element & short circuit isolator.

Intelligent Call Point Accessories

Surface Mounting boxes



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

SR1T **Surface mounting box red**

Sx1T **Surface mounting box other color**

Accessories

KG1 X 10 **EN54 break glass for MI call points (Pack of 10)**

PS230 **EN54 flexible OP. elements for MI call point (pack of 10)**

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)**



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)



Intelligent Modules



The new family of input/output modules are available in single and multi-way models within the same mechanical package, reducing both the cost of installation and the mounting space required.

Their unique mechanical design allows each module to be mounted in either a wall box, on a DIN rail or within any type of enclosure. Irrespective of the mounting method chosen, the address switch is both visible and accessible for selection.

Each module has built-in short circuit protection for the communications loop; however, to increase application flexibility, the isolators can be selected/deselected on an individual module basis.

To help engineers in the maintenance and fault-finding process, both the LEDs and the switches can be viewed without having to remove the cover of the surface mounting box. The LEDs, being multi-colour, provide diagnostic information regarding the status of each individual input/output.

For ease of installation, testing and maintenance, the field wiring terminals are of plug-in design.

MI-MM3E

Intelligent micro monitor module



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

VdS number: G296024

MI-DMMI

Single supervised input module



The MI-DMMI 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
- Operating voltage: 15 to 30VDC peak
- Operating temperature: -20°C to +60°C
- Non-condensing relative humidity: 0% to 95%
- Current consumption: -310 µA @ 24 VDC (without comm.);
-510 µA @ 24 VDC (one comm. every 5 sec. with LED blink enabled).

VdS number: G202145

MI-DMM2I

Double supervised input module



The MI-DMM2I 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
- Operating voltage: 15 to 30VDC peak
- Operating temperature: -20°C to +60°C
- Non-condensing relative humidity: 0% to 95%
- Current consumption: -340 µA @ 24 VDC (without comm.),
-600 µA @ 24 VDC (one comm. every 5 sec. with LED blink enabled).

VdS number: G202145

MI-DCMO

Single supervised output module



The MI-DCMO 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
- Operating voltage: 15 to 30VDC peak
- Operating temperature: -20°C to +60°C
- Non-condensing relative humidity: 0% to 95%
- Current consumption: -310 µA @ 24 VDC (without comm.)
-510 µA @ 24 VDC (one comm. every 5 sec. with LED blink enabled).

VdS number: G202146

MI-D21CMO

Double supervised input + single relay output



In addition the MI-D21CMO 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 MI-DCMO module uses two addresses and the MI-D21CMO 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
- Operating voltage: 5 to 30VDC peak
- Operating temperature: -20°C to +60°C
- Non-condensing relative humidity: 0% to 95%
- Current consumption: -340 µA @ 24 VDC (without comm.)
-660 µA @ 24 VDC (one comm. every 5 sec. with LED blink enabled)

VdS number: G202144

MI-D240CMO

Single 240VAC/5A relay module



The MI-D240CMO provides two (1 x N.O. 1 x N.C.) 250Vac (nominal 230Vac), 5Amp contact outputs.

The MI-D240CMO 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
- Operating voltage: 15 to 30VDC peak
- Operating temperature: -20°C to +60°C
- Non-condensing relative humidity: 0% to 95%
- Current consumption: - 275 µA @ 24 VDC (without comm.)
- 445 µA @ 24 VDC (one comm. every 5 sec. with LED blink enabled)

VdS number: G202146; CPD number: 0786-CPD-20340



MI-D240CMO-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
- Operating voltage: 15 to 30VDC peak
- Operating temperature: -20°C to +60°C
- Non-condensing relative humidity: 0% to 95%
- Current consumption:
 - 275 µA @ 24 VDC (without comm.)
 - 445 µA @ 24 VDC (one comm. every 5 sec. with LED blink enabled)

VdS number: G202146

MI-D240CMO-DIN

Single 240VAC/5A relay module (DIN rail mount.)



The MI-D240CMP-DIN provides 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

- Dimensions (W x H x D): 94 mm x 93 mm x 23 mm
- Weight: 195g
- Operating voltage: 15 to 30VDC peak
- Operating temperature: -20°C to +60°C
- Non-condensing relative humidity: 0% to 95%
- Current consumption:
 - 275 µA @ 24 VDC (without comm.)
 - 445 µA @ 24 VDC (one comm. every 5 sec. with LED blink enabled)

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

MI-DISO

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
- Operating voltage: 15 to 30VDC peak
- Operating temperature: -20°C to +60°C
- Non-condensing relative humidity: 0% to 95%
- Current consumption: 200 µA @ 24 VDC

VdS number: G202142

MI-DCZRM

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

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

CPD number: 832-CPD-1391

ISO524-1

Micro isolator module



To build inside SR3T back box of intelligent call point.

M200-SMB

Surface mount box



To be used with MI series modules.

Specifications

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

M200-SMB KO

Surface mount box with knockouts



Complete with rubber grommets.

M200-PMB

Panel mounting bracket



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

M200-DIN

DIN-rail bracket

To be used with MI series modules.



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 Morley-IAS panels. Must be installed into the panel.

Specifications

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

MMX-10MH

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-10RMH

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-55MH

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 the old protocol.

*: Pay attention to the max. number of old devices on an advanced loop when loop communication is in advanced protocol.

MI-CR-6

6 way relay multimodule



The MI-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

MI-CZ-6

6 way zone interface multimodule



The MI-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

MI-SC-6

6 way supervised sounders outputs



The MI-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



MI-IM10

10 Way input module Morley-IAS



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

SMB6-VO

Multi-mount abs antistatic box



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

Specifications

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

SMBW-VO

ABS Antistatic box for MI-xx-6 OR MI-IM-10 multimodule



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

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 (MI-xx-6 or MI-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 (MI-xx-6 or MI-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 Morley-IAS 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 also available with an optional loop isolator device.

Specifications

- Current consumption, quiescent: 300uA @ 24VDC (without comm.)
450uA @ 24VDC (one comm. every 5 seconds) (+ 19uA when isolator)
- 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-0432 (without isolator)
0832-CPD-0433 (with isolator)

MI-WSD-R

Intelligent wall mount sounder red



AVAX Wall mounting, intelligent, loop powered sounder, RED.

 Base NOT included

MI-WSD-R-I

Intelligent wall mount sounder, with isolator, red

MI-WSD-W

Intelligent wall mount sounder pure white



AVAX Wall mounting, intelligent, loop powered sounder, WHITE.

MI-WSD-W-I

Intelligent wall mount sounder, with isolator, pure white



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-0434 (without isolator); 0832-CPD-0435 (with isolator)

i Base NOT included

i x = lens color
RD=red; AM=amber

MI-WSDB-R-x

Intelligent wall mount sounder red & x beacon

AVAX Wall mounting, intelligent, loop powered sounder with RED housing, and Red or Amber beacon.

MI-WSDB-R-x-I

Intelligent wall mount sounder red & x beacon, with isolator

MI-WSDB-W-x

Intelligent wall mount sounder bright white & x beacon

AVAX Wall mounting, intelligent, loop powered sounder with bright white housing, and Red or Amber beacon.

MI-WSDB-W-x-I

Intelligent wall mount sounder bright white & x beacon, with isolator

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

i Base NOT included

i x = lens color
RD=red; AM=amber

MI-BEAC-x

Intelligent wall mount beacon

AVAX Wall mounting, intelligent, loop powered beacon, Red or Amber.

MI-BEAC-x-I

Intelligent wall mount beacon with isolator

AVAX Wall mounting, intelligent, loop powered beacon, Red or Amber, 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
- Approved to: EN54-3 approved
- CPD-number: 0832-CPD-0428 (without isolator); 0832-CPD-0429 (with isolator)

i x = housing color
PW = bright white; W = ivory

MI-IBSD-x

Intelligent base sounder

AVAX Intelligent, loop powered base sounder, bright white or ivory.

MI-IBSD-x-I

Intelligent base sounder

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

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-0430 (without isolator); 0832-CPD-0431 (with isolator)

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

i Base NOT included

MI-IBSDB-PW-x

Intelligent base sounder pure white & x beacon

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

MI-IBSDB-PW-x-I

Intelligent base sounder pure white & x beacon, with isolator

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

MI-IBSDB-W-x

Intelligent base sounder ivory & x beacon

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

MI-IBSDB-W-x-I

Intelligent base sounder ivory & x beacon, with isolator

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

MI-IBB-PW-CL-I

Intelligent pure white base beacon with clear lens

MI-IBB-W-CL-I

Intelligent ivory base beacon with clear lens

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 MI200-S2 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 Morley-IAS detector range.
- The audible products meet the requirements of EN54-03.
- Loop powered with low current draw.
- 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 base.

Specifications

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

IAV Wall Mount Sounder



MI-WSO-PP-N	Wall Mount Sounder - Non isolation - PURE WHITE
MI-WSO-PR-N	Wall Mount Sounder - Non isolation - RED
MI-WSO-PR-I	Wall Mount Sounder - Isolation - RED
MI-WSO-PP-I	Wall Mount Sounder - Isolation - PURE WHITE



IAV Wall Mount Sounder Strobe



MI-WSS-PC-N Wall Mount Sounder Strobe - Non isolation - CLEAR - CLEAR lens

MI-WSS-PR-N Wall Mount Sounder Strobe - Non isolation - RED - RED lens

MI-WSS-PR-I Wall Mount Sounder Strobe - Isolation - RED - RED lens

MI-WSS-PC-I Wall Mount Sounder Strobe - Isolation - CLEAR - CLEAR lens

IAV Wall Mount Strobe



MI-WST-PR-N Wall Mount Strobe - Non isolation - RED lens

MI-WST-PC-N Wall Mount Strobe - Non isolation - CLEAR lens

MI-WST-PA-I Wall Mount Strobe - Isolation - AMBER lens

MI-WST-PR-I Wall Mount Strobe - Isolation - RED lens

IAV Integrated Detector Base Sounder

MI-BSO-PP-N Integrated Detector Base Sounder - Non isolation - PURE WHITE

MI-BSO-DD-N Integrated Detector Base Sounder- Non isolation - DETECTOR WHITE

MI-BSO-PP-I Integrated Detector Base Sounder- Isolation - PURE WHITE

MI-BSO-DD-I Integrated Detector Base Sounder- Isolation - DETECTOR WHITE

IAV Integrated Detector Base Sounder Strobe



MI-BSS-DC-N	Integrated Detector Base Sounder Strobe - No isolation - CLEAR - CLEAR lens
MI-BSS-PC-N	Integrated Detector Base Sounder Strobe - No isolation - CLEAR - CLEAR lens
MI-BSS-PC-I	Integrated Detector Base Sounder Strobe - Isolation - CLEAR - CLEAR lens
MI-BSS-DC-I	Integrated Detector Base Sounder Strobe - Isolation - CLEAR - CLEAR lens

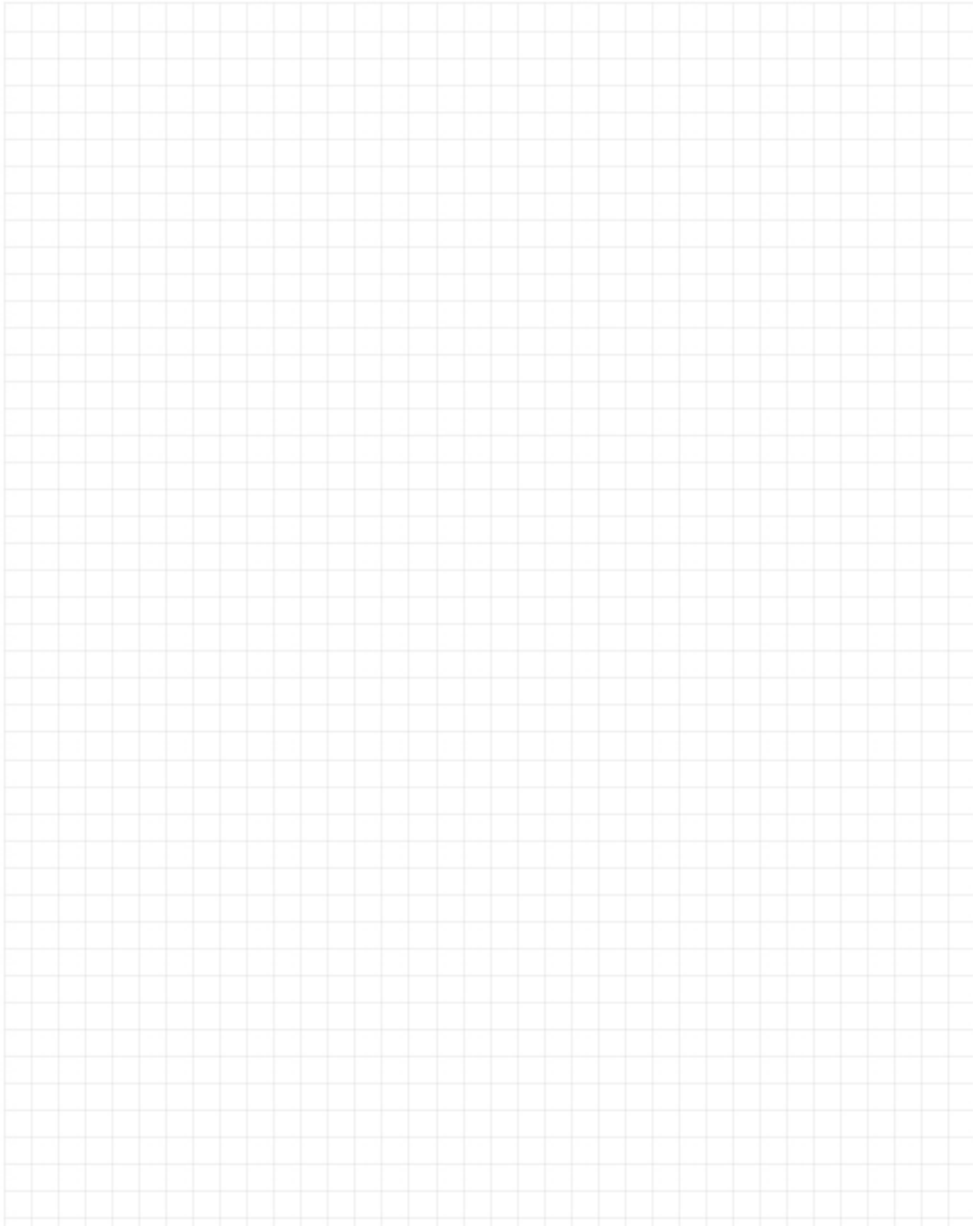
IAV Integrated Detector Base Strobe

MI-BST-PC-N	Integrated Detector Base Strobe - No isolation - CLEAR - CLEAR lens
MI-BST-DC-N	Integrated Detector Base Strobe - No isolation - CLEAR - CLEAR lens
MI-BST-PC-I	Integrated Detector Base Strobe - Isolation - CLEAR - CLEAR lens
MI-BST-DC-I	Integrated Detector Base Strobe - Isolation - CLEAR - CLEAR lens



Notes

1. 13



horizon

FIRE ALARM CONTROL PANEL
EN 54-2/4

TO SILENCE BUZZER
TO SILENCE SOUNDER
PRESS AGAIN TO R

FAULT / DISABLED / TEST

FIRE

ZONE 1
ZONE 2
ZONE 3
ZONE 4
ZONE 5
ZONE 6
ZONE 7
ZONE 8

POWER
FAULT
DISABLEMENT
TEST
DELAY ON
SYSTEM FAULT
EARTH FAULT
POWER SUPPLY FAULT
SOUNDER FAULT / DISABLED
FIRE Q/P ACTIVE
FIRE Q/P FAULT / DISABLED
FAULT Q/P FAULT / DISABLED
AUXILIARY FAULT



Conventional Systems

MORLEY IAS
FIRE SYSTEMS
by Honeywell

Conventional Systems

Notes

1. 23

A large grid of graph paper, consisting of 20 columns and 30 rows of small squares, intended for taking notes.

HRZ 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
- Battery space for up to 72 hours stand-by
- 2, 4 or 8 zone versions available

Developed with efficiency in mind, HRZ2-8 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.

HRZ2-8 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

EN54-13 and Bosec approved
CPD number: 0786-CPD-20798

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

<ul style="list-style-type: none"> • Conventional fire panel HRZ2-8 	<ul style="list-style-type: none"> • Beam detectors 6500R
<ul style="list-style-type: none"> • ECO1000 Detectors & bases ECO1003 ECO1002 ECO1005 ECO1005T ECO1004T ECO1000B(R) ECO1000(D)B ECO1000DBR 	<ul style="list-style-type: none"> • Manual Call Points MCP1A-xxxxxx-01 WCP1A-xxxxxx-01 MCP2A-xxxxxx-01 WCP2A-xxxxxx-01 MCP3A-xxxxxx-01 WCP3A-xxxxxx-01 MCP4A-xxxxxx-01
	<ul style="list-style-type: none"> • Sounders NS4/x NXS14/x NBS4
	<ul style="list-style-type: none"> • Others IRK-2E(-SI)

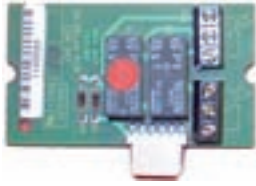
HRZ2	2 Zones conventional fire alarm panel
HRZ4	4 Zones conventional fire alarm panel
HRZ8	8 Zones conventional fire alarm panel



HRZ Accessories

020-713

FS02 A/F Fire and fault relay expansion card



Adds fire and fault relay outputs to the HRZ 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.

i 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

i 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 Morley-IAS 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 exhibit 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)

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.



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 Morley-IAS 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 ²
• Operating temperature:	-10°C to +70°C
• Voltage range:	2,5 to 30 VDC
• Maximum current:	15mA
• Weight:	40g
• Maximum cable size:	2.5mm ²

i 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

i LED blinks in normal mode on intelligent systems.

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.
 Conventional smoke detector (2351E) & 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%

2351E Conventional Smoke Detector for D2E



Specifications

- Dimensions (Ø x h): 102 mm x 47 mm (in B401)
- Weight: 165g (in B401)
- Operating temperature: -30°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



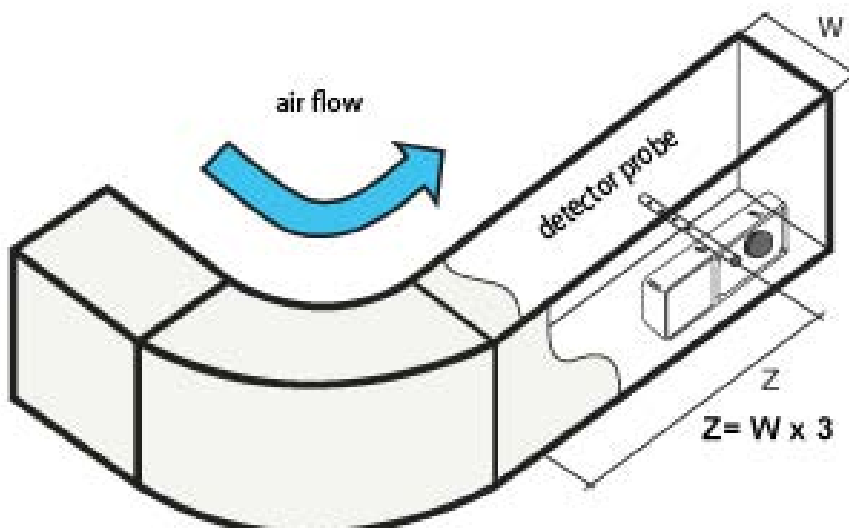
Remote indicator with LED for DNRE and D2E.

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 resettable 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



i Absolutely needed when using the mounting Bracket kit.

BEAM-MMK Mounting bracket - swivel type



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

BEAM-HK Heater kit for beam detector



i 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



i 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



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.

- 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

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 <math><5\text{mW}</math>, for assisting beam alignment during installation.



Conventional Manual Call Points & 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 MCP1A-R470 range are manual call points, both with a 470 Ohm resistor and Normally Open contact, complete with glass. The MCP1A-R470FG-01 is designed for flush mounting. The call points are designed to provide a manual alarm interface to non-intelligent fire alarm control panels. Both are supplied in the standard red colour.

i 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



i 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



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

i 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

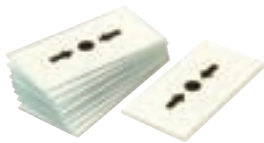
MCP surface with flexible element

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



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

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

Rocker switches



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

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

Miniature push switches



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

Wx9301	Miniature switch momentary action, non terminated
Wx9302	Miniature switch momentary action, terminated
Wx9303	Miniature switch latching, non terminated
Wx9304	Miniature switch latching, terminated

Push switches



i Standard label for the switches is:
Function label: Plain color.
Please order specific foil of labels separately.
All the swithes 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 & 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 & 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)
	

Conventional Audio & Visual Devices

Sounders



4 tones, including slow whoop - Max. 96 dB(A) ±3dB @ 1m.
Requires base NBL/x, NBD/x or NBS/x.

i Base (see below) NOT included.

Specifications

- 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 contineous, high volume)

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

NS4/R **Standard wall sounder Red**

NS4/W **Standard wall sounder White**

Base Sounders

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



Specifications

- 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 contineous, 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.

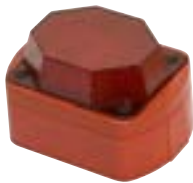


Strobes

- i** Please replace "x" in the part n° by the code for the needed enclosure colour:
R = red; W = pure white.
- i** Please replace "y" in the part n° by the code for the needed colour of the lens:
A = amber; R = red.
- i** 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

i 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

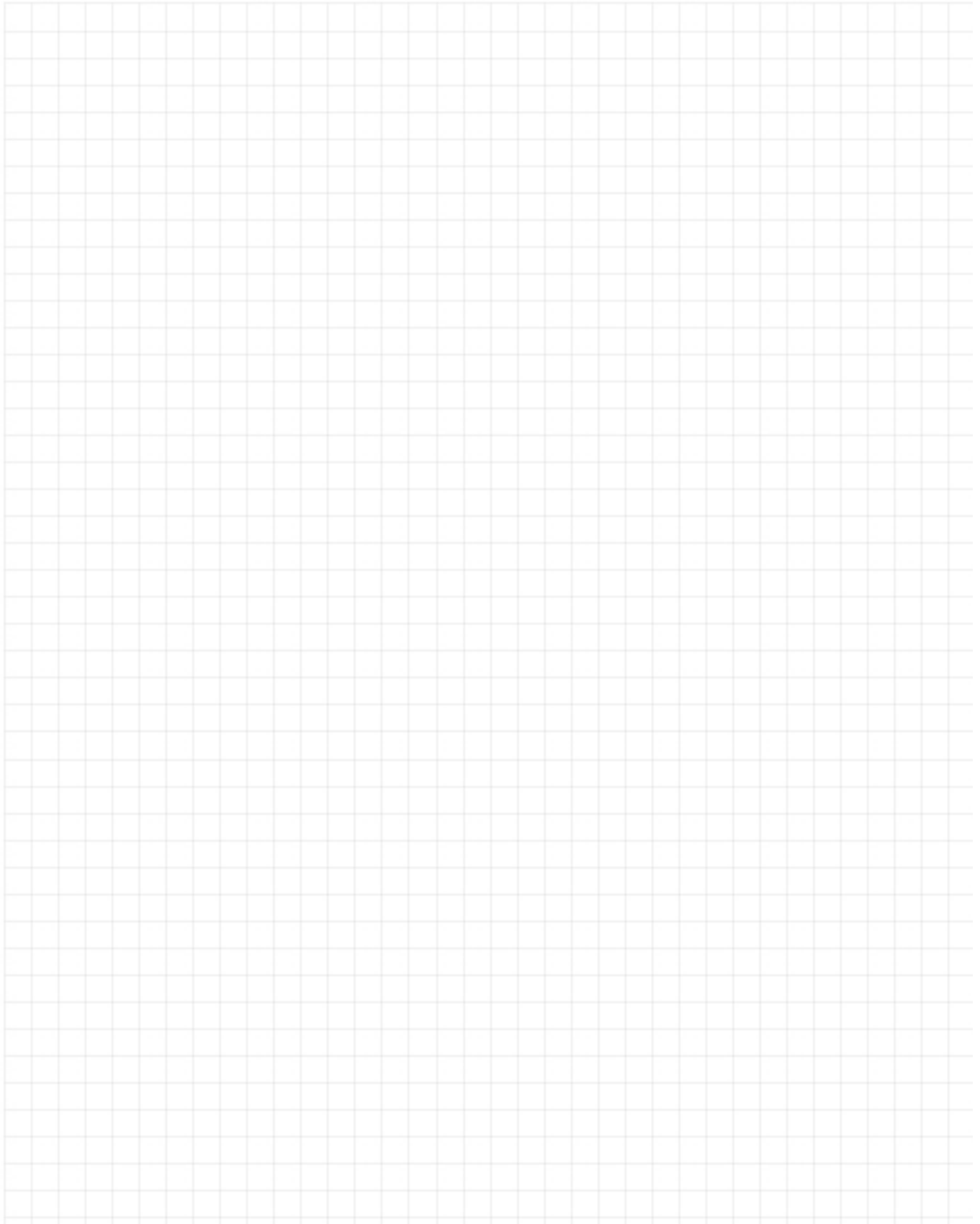
- Dimensions (W x H x D): 124 mm x 92 mm x 35 mm



Conventional Systems

Notes

1. 1.3



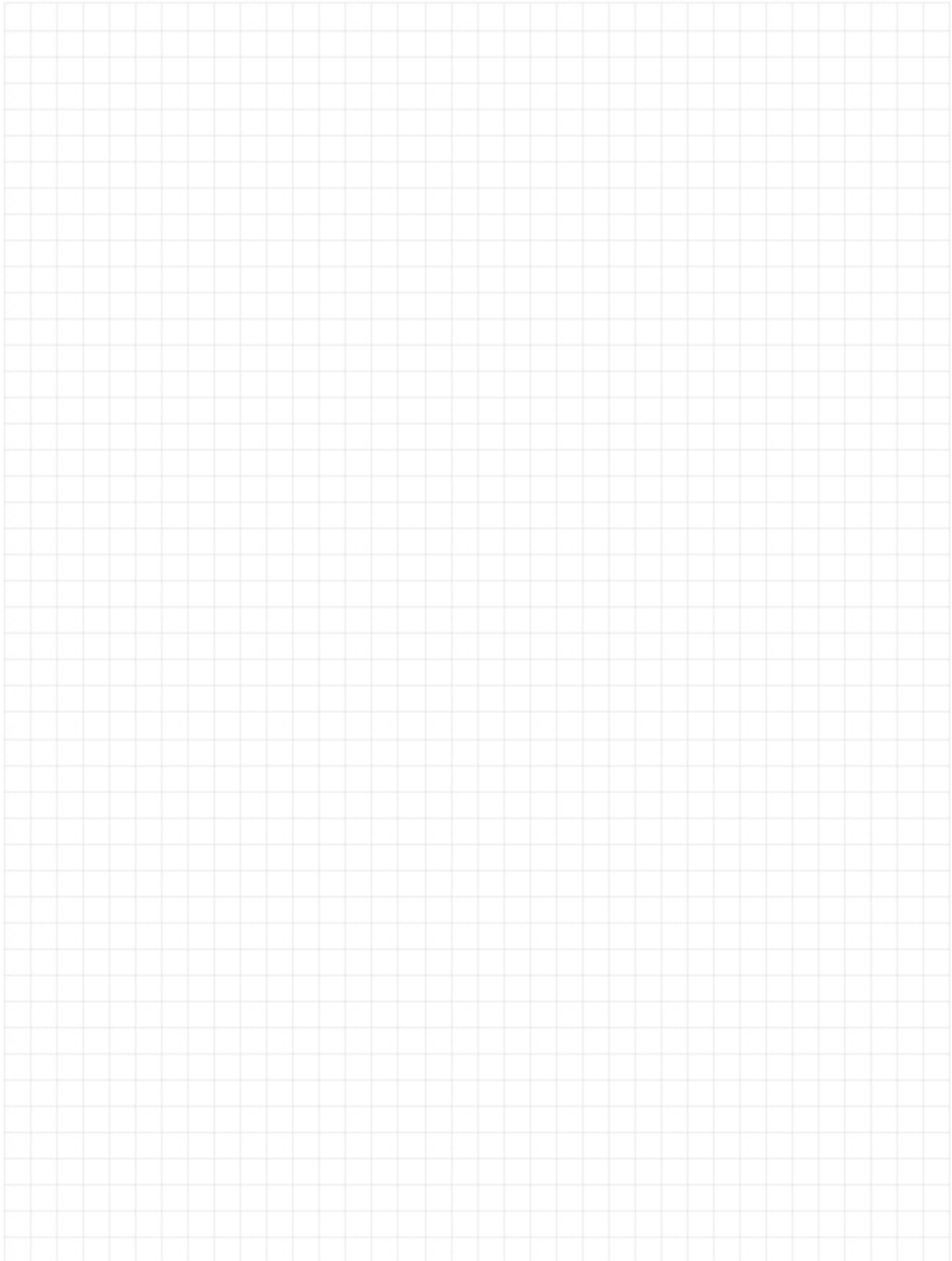


Extinguishing Systems

Extinguishing Systems

Notes

1. 100



Extinguishing Panels

VSN-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.
- Complies with EN54-2/4 and EN12094/1:2003.
- CE marking

The VSN-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 VSN-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, 2 x 250mA
- 2 aux. power supply outputs, 2 x 250mA (resettable and non-resettable)
- 2 release circuits 1Amp max. each circuit |
| • Operating temperature: | -5°C to +40°C |
| • Operating humidity: | 95% max. RH |
| • Environmental classification: | Class A |
| • Panel sealing: | IP30 |
| • Dimensions (W x H x D): | 379 mm x 356 mm x 95 mm |

BOSEC Approved to EN12094:1/2003 and EN54-2&4
CPD approved 1134-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 VSN-RP1r



Communication card to transmit the information of the extinguishing central to the intelligent DX Connexion or ZXSe.

Specifications

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

- ITAC should be installed inside VSN-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).

VSN-4REL

4 Relay board



Necessary to comply with EN12094:1/2003.

Specifications

- Weight: 200g
- Dimension (H x Wx 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 VSN-RP1r



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

Manual Control Units

ECP-804900

Manual call point for Manual Release - 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-84902.

ESS-704917

IP55 kit for ECP call points


Pack of 10.



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"
A08673	"EINTRITT VERBOTEN"
A08674	"FEUERALARM"
A08675	"TIEFGARAGE SOFORT VERLASSEN"
A08676	"BETRETEN VERBOTEN - GASALARM"
A08660	"ALLARME INCENDIO"
A08664	"ABBANDONARE IL LOCALE"
A08658	"VIETATO ENTRARE SPEGNIMENTO AUTOMATICO IMMINENTE"

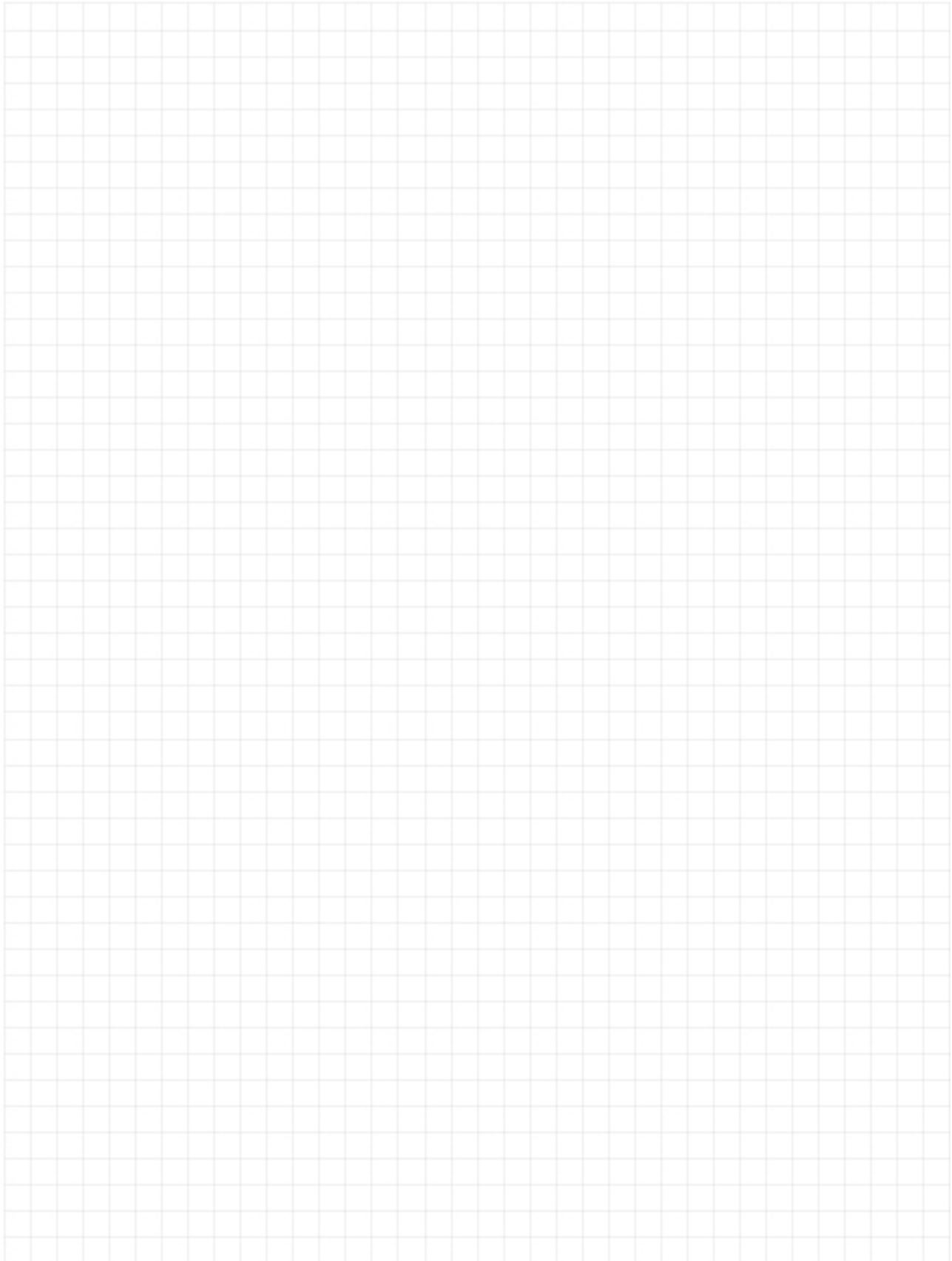
 Other labels can be custom made (min. 100 pcs)



Extinguishing Systems

Notes

1. 100



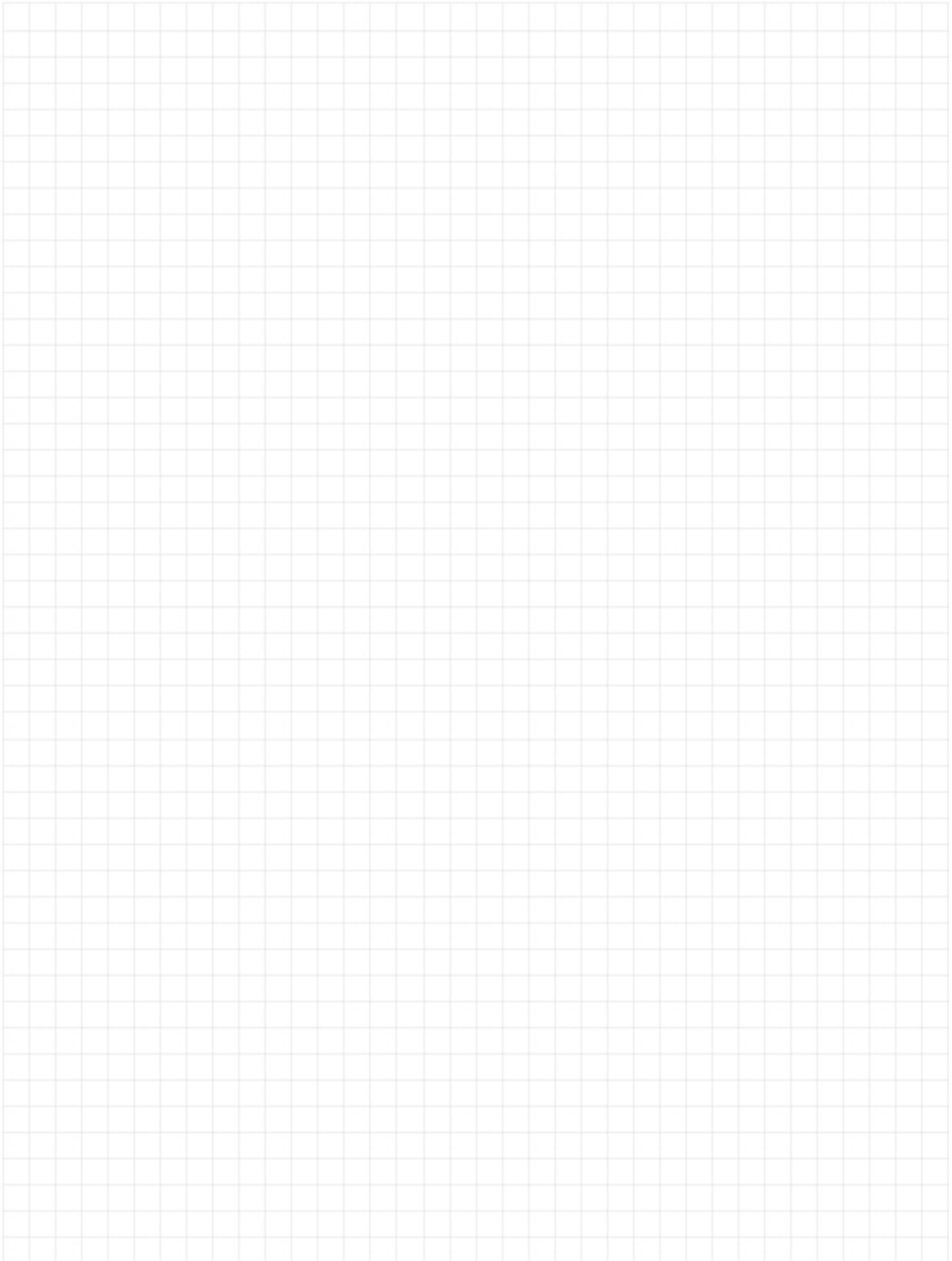


Special Equipments

Special Equipments

Notes

1. 20



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 m²
- 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 ²

A300 Series 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.

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

A310E

Aspirating system single channel (max 100m)



The A310E single channel system can hold one or two Laser detectors depending the required sensitivity level. The detectors are mounted in B524IEFT-1 isolator bases.

The detector(s) are not included.

Specifications

- Weight: 1,670kg
- Dimensions (W x H x D): 194 mm x 258 mm x 145 mm
- Material: PC/ABS
- Maximum pipe length: 100m
- Operating voltage range: 18 to 30Vdc (24Vdc Nominal)
- Temperature range: -10°C to +55°C
- IP rating : IP65
- Relative humidity : 10% to 93% non-condensing

VdS Approved (G206067); CPD number: 0786-CPD-20583

A320E

Aspirating system 2 channels (max 200m)



The A320E dual channel system can hold one or two Laser detectors depending the required sensitivity level. The detectors are mounted in B524IEFT-1 isolator bases.

The detector(s) are not included.

Specifications

- Weight: 1,750kg
- Dimensions (W x H x D): 194 mm x 258 mm x 145 mm
- Material: PC/ABS
- Maximum pipe length: 100m per channel
- Operating voltage range: 18 to 30Vdc (24Vdc Nominal)
- Temperature range: -10°C to +55°C
- IP rating : IP65
- Relative humidity: 10% to 93% non-condensing

VdS Approved (G206067); CPD number: 0786-CPD-20583

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.

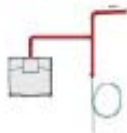
Accessories for A300 and A200 aspirating systems

VSP-850-G	External filter for very harsh environment
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Horizontal mounting, 2 inlets 25mm (old part number: 02-FLU2).

02-WT-01	External water trap kit
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Traps the water condensation.

PFIL-EXT	External filter for very harsh environment
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Vertical mounting.



VESDA LaserFocus

EVLF-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)

EVLF-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 Hx 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 800m²
- 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 mm² (30–12 AWG)
- Alarm sensitivity range: 0.005% to 20% obs/m

EVLC-500RO

VESDA VLC – Relays Only



LaserCompact detector capable of monitoring up to 800m². 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 2000m². 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 x125 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 smokelevel 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 m²

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 & C)



FireTracer detector capable of monitoring up to 1500m². 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 alarmlevels. 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 1500m². 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 alarmlevels. 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.



EVFT-E606

4-Channel Relay Module



Relais module for 4 extra contacts (maximum four modules per detector).

EVFT-E624

8-Channel 4-20mA output Module

EVFT-E922

Remote Display

Mini RDU RS485 for 19" rack mounting.

EVFT-E9220

Blanc plate for rack

EVFT-E2001

6mm flexible tube, length 100 meter

EVFT-E2002

Coupler for 6 mm tube

EVFT-E2003

T-piece for 6 mm tube

EVFT-E3000

RVS sampling point 6mm connection

EVFT-FL01

EOL Filter 6 mm connection

EVIC-010

VESDAnet Interface Card



VESDAnet interface card for LaserFocus detector. Should be used when integrating a VLF detector in a VESDAnet.

EVIC-020

Multifunction Control Card (MCC)



Multi function control card for LaserFocus detectors. This expansion card gives two extra alarm relays and one extra General Purpose Input.

EVIC-030

Multifunction Control Card (MCC) with Monitored Powered Output



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

<p>ABS 008/25</p> 	<p>Pipe diameter 25 mm - 3 metres long, pack of 10</p> <p>3 metres long Pipe with external diameter of 25mm and interior diameter of 21mm with ABS material. Red color.</p> <p>Specifications</p> <ul style="list-style-type: none"> Weight: 5kg (30 meters) <p>i This product is also available in white color. See below.</p>
<p>ABS 001/25</p> 	<p>90° Sweeping bend diameter 25mm red, pack of 10</p> <p>Specifications</p> <ul style="list-style-type: none"> Weight: 146g (for 10 units) <p>i 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)

i 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



i This product is also available in white color. See below.

ABS 004

Pipe clips - red, pack of 10



Specifications

- Weight: 76g (for 10 units)

i 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)

i This product is also available in white color. See below.

ABS 005-1

25mm to 27mm adapter, pack of 10



i 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)

i 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

Joining 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.



Smoke & Heat Evacuation Systems



The multilingual MI-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-MI-SAHEP-4

Smoke and heat evacuation panel for 4 motors

2 X 2,1Ah Batteries included.

SAHEP-MI-SAHEP-4.EM

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



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.

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 (detectors only); other devices: approval pending

Specifications

- Operating frequency range: 868 MHz - 870 MHz

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 antennas): 120 mm x 160 mm x 51 mm
- Weight: 330 g
- Ingress protection rating: IP 51C

SG-PU

Display module with keypad



Wireless communication with receiver.

 Only for conventional application.

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 treshold: 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

- Radiated power: 5dBm
- Dimensions: 109 mm x 37 mm
- Weight: 52g
- Operating voltage: 10-27VDC (50mA)

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, Incl. Slow-woop tone (NL)

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 voice 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.

i 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.

i 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.

i 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.

i All sensor cable is supplied in 100m increments to a maximum of 1000m.

LHD-EC2.3

Edge clip, 2-3mm WEB



i Neoprene sleeves & ties needed.

LHD-EC3.8

Edge clip, 3-8mm WEB

i Neoprene sleeves & ties needed.

LHD-EC8.18

Edge clip, 8-14mm WEB

i Neoprene sleeves & ties needed.

LHD-EC14.2

Edge clip, 14-20mm WEB

i Neoprene sleeves & ties needed.

LHD-DP

200mm distance piece for edge clip



i Order Edge Clip & Neoprene Sleeving separately.

i Neoprene sleeves & ties needed.

LHD-TC

T clip



i Order Edge Clip & Neoprene Sleeving separately.

i Neoprene sleeves & ties needed.

LHD-PC

Pipe clip



i Order Edge Clip & Neoprene Sleeving separately.

i Neoprene sleeves & ties needed.

LHD-VC

V clip (incl. rubber)



Order Edge Clip & Neoprene Sleeving separately.

i 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



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 Morley-IAS Control Panels using them like normal smoke detectors. Direct wiring for conventional panels and connection through MI-DCZRM 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.

TMP2-D-A257R1A	Rate of Rise dust thermal detector - 57°C
TMP2-D-C90R1A	Rate of Rise dust thermal detector - 90°C
TMP2-D-D110R1A	Rate of Rise dust thermal detector - 110°C
TMP2-D-A257S1A	Fixed temp. dust thermal detector - 57°C
TMP2-D-C90S1A	Fixed temp. dust thermal detector - 90°C
TMP2-D-D110S1A	Fixed temp. dust thermal detector - 110°C

Dust type Probes only

TMP2-P-A257R1A	Rate of Rise dust thermal detector - 57°C
TMP2-P-C90R1A	Rate of Rise dust thermal detector - 90°C
TMP2-P-D110R1A	Rate of Rise dust thermal detector - 110°C
TMP2-P-A257S1A	Fixed temp. dust thermal detector - 57°C
TMP2-P-C90S1A	Fixed temp. dust thermal detector - 90°C
TMP2-P-D110S1A	Fixed temp. dust thermal detector - 110°C

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 Morley-IAS Control Panels using them like normal smoke detectors. Direct wiring for conventional panels and connection through MI-DCZRM 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)

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 & 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

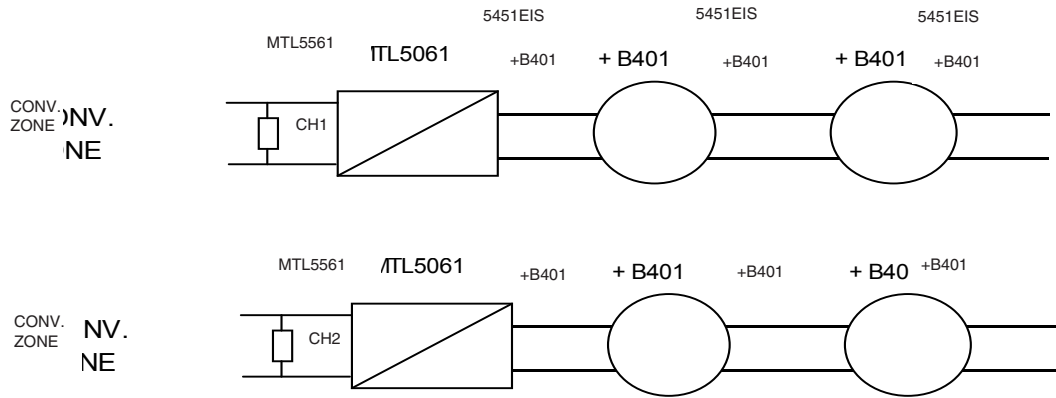
- Dimensions (W x H x D): 90 mm x 179 mm x 81 mm
- Weight: 450g
- Operating temperature: -40°C to +70°C



Intrinsically Safe Devices

Detectors

i 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 5451EISE 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

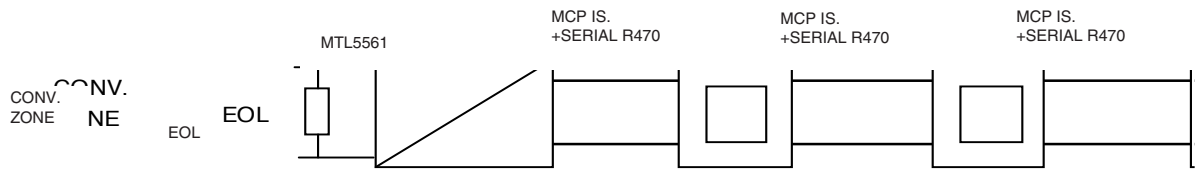


Specifications

- 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

i Manual Break Glass Fire Alarm Call Points for use with galvanic isolator in hazardous areas.



Maximum 10 MCP per zone



i 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): 93mm x 89mm x 59,5mm
- 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

i 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.

i 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



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 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

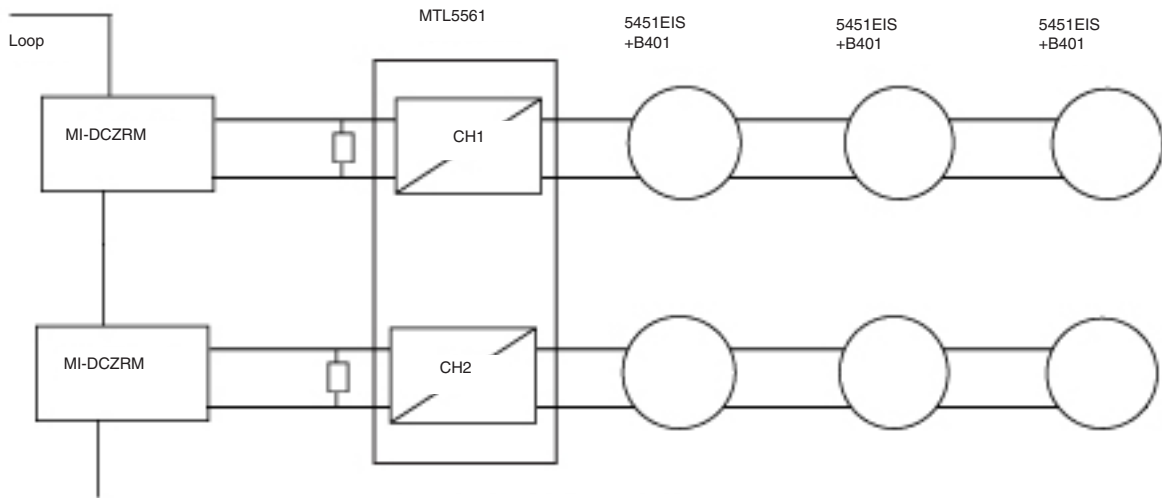
2 Channel galvanic isolator for IS conv. det



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

i For connection from conventional zone to intelligent panel



Maximum 3 I.S detectors per zone

MI-DCZRM

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 MI series modules.

Specifications

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

 For connection to intelligent panel

Intelligent devices

MCP5A-RP03SF-K013-01IS

IS Intelligent call point

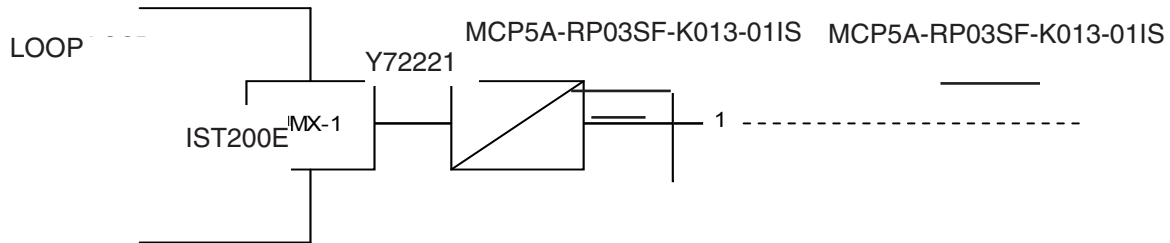


Includes flexible element and surface mounting box.
ATEX II G Ex ia IICT4/T5.
Red color.

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 IST200E and MCP5A-RP03SF-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

IST200E

Interface module for IS intelligent devices

The IST200E module allows up to 5 MCP5A-RP015F-K013-01IS on one module.

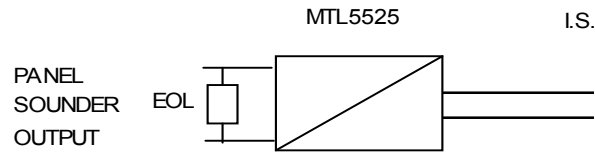
Specifications

- 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 & Visual devices

i For use with galvanic isolator in hazardous areas.



i 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: Sounders and Beacons

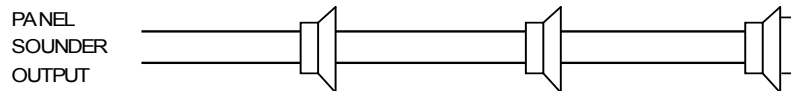


- Omni Directional output sounders
- 2 stage alarm
- Independently selectable 2nd stage
- All units share a common explosion proof housing
- Reduced installation costs
- Meets UL, ATEX and IECEx Approvals
- ATEX approved for Gas & Dust
- Low current consumption
- Dual cable entry, cable in – cable out
- 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



i 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



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

- Separate transmitter and receiver units
- Range 10 to 100 metres
- Automatic drift compensation
- 3 selectable sensitivity threshold levels
- Approved to EN54:12

- 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.

i Standard delivered with a special weather cover.

i 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
 - 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
 - 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 μm 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 μm) dual detector



Models 40/40L4 (& L4B) - A dual UV and IR detector, comprising an IR sensor that operates at a wavelength of 4.5 μm and a solar blind UV sensor, the 40/40L4 detects only hydrocarbon based fuel and gas fires.

CPD approved: 0832-CPD-0974.

40/40-L4B

UV/IR (4,5 μm) 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 0.1m² 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 μm 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 waterlight 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
Max. 50 mA in alarm
- Weight: St.St 316L 1.2 Kg; Plastic 0.3 Kg
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, self-contained 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.

40/40-789260-2	Pole mount (U-BOLT) - 2"
40/40-789260-1	Pole mount (U-BOLT) - 3"
510056690	Dust CAP for 40/40 flame detectors
40/40-A0000231	TCC-80 RS-232 to RS-485 convertor Serial port powered RS-232 to TS-485 convertor with 15 KV ESD Surge
40/40-794079-5	USB connection kit for PC Includes USB to RS232 convertor, RS232 to RS485 convertor, Cable and software.
40/40-777820	Handheld pocket pc diagnostics kit



Special Equipments

Notes

1. 100

A large grid area for taking notes, consisting of a 30x30 grid of small squares.



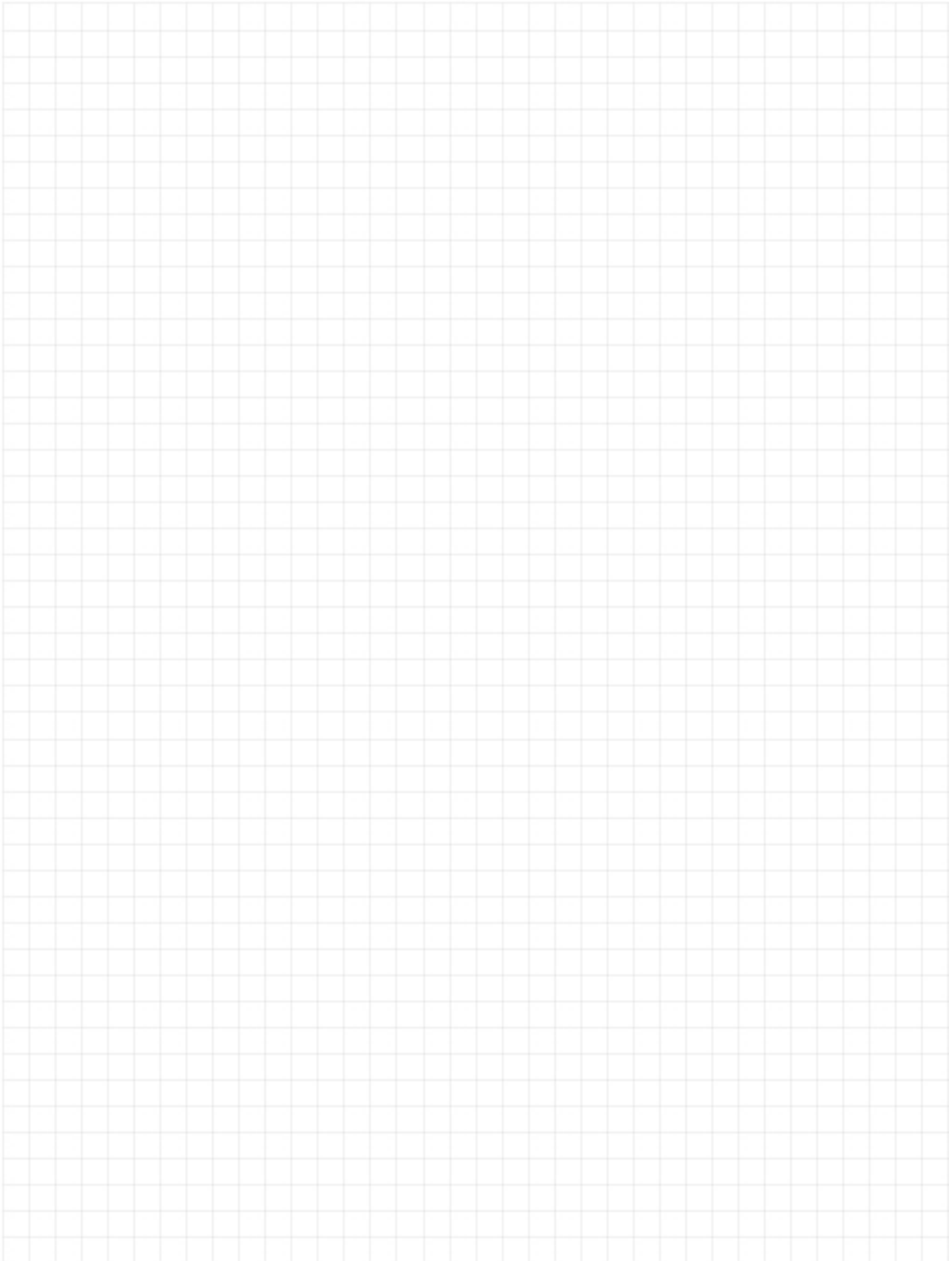
Gas Detection Systems

MORLEY  **IAS**
FIRE SYSTEMS
by Honeywell

Gas Detection Systems

Notes

1. 100



Zareba Gas Detection Panels

i 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.

i 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.



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:	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.

Z-2106B1300	Signalpoint H2S 0-20 ppm Toxic sensor (mA output)
	IP54 - Only to be used in safe zones. Average life time is 48 months.
Z-2106B1301	Signalpoint H2S 0-50 ppm Toxic sensor (mA output)
	IP54 - Only to be used in safe zones. Average life time is 48 months.
Z-2106B1302	Signalpoint H2S 0-100 ppm Toxic sensor (mA output)
	IP54 - Only to be used in safe zones. Average life time is 48 months.
Z-2106B1316	Signalpoint O2 0-25%VOL Toxic sensor (mA output)
	IP54 - Only to be used in safe zones. Average life time is 12 months.
Z-2106B1310	Signalpoint Cl2 0-5 ppm Toxic sensor (mA output)
	IP54 - Only to be used in safe zones. Average life time is 18 months.
Z-2106B1311	Signalpoint Cl2 0-15 ppm Toxic sensor (mA output)
	IP54 - Only to be used in safe zones. Average life time is 18 months.
Z-2106B1313	Signalpoint NH3 0-50 ppm Toxic sensor (mA output)
	IP54 - Only to be used in safe zones. Average life time is 18 months.
Z-2106B1314	Signalpoint NH3 0-1000 ppm Toxic sensor (mA output)
	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
- Surecell™ 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 CH ₄ (Methane) IR 0-100% LEL
	ATEX/IECEX & AP approved. (20 to 100%LEL, 10%LEL) with 316SS, M20 entry.



Z-SPXCDASMO1	SP XCD Oxygen 25.0% /Vol
	ATEX/IECEX & AP approved. With 316SS, M20 entry.
Z-SPXCDASMHX	SP XCD Hydrogen Sulfide 0-50 ppm
	ATEX/IECEX & AP approved. (10.0 to 100.0ppm, 1ppm) with 316SS, M20 entry.
Z-SPXCDASMCX	SP XCD Carbon Monoxide 0-500 ppm
	ATEX/IECEX & AP approved. (100 to 1000ppm, 100ppm) with 316SS, M20 Entry.
Z-SPXCDASMG1	SP XCD Hydrogen 0-1000 ppm
	ATEX/IECEX & AP approved. With 316SS, M20 Entry.
Z-SPXCDASMB1	ATEX/IECEX & AP approved SP XCD Carbon Dioxide IR 0-2.00 %VO
	ATEX/IECEX & AP approved. With 316SS, M20 Entry.
Alu LM25	
Z-SPXCDALMFX	Sensepoint XCD Flammable CAT 0-100% LEL
	ATEX/IECEX & AP approved. (20 to 100%LEL, 10%LEL) with LM25, M20 entry.
Z-SPXCDALMRX	SP XCD CH4(Methane) IR 0-100% LEL
	ATEX/IECEX & AP approved. (20 to 100%LEL, 10%LEL) with LM25, M20 entry.
Z-SPXCDALMO1	SP XCD Oxygen 25.0% / Vol
	ATEX/IECEX & AP approved. With LM25, M20 entry.
Z-SPXCDALMHX	SP XCD Hydrogen Sulfide 0-50 ppm
	ATEX/IECEX & AP approved. (10.0 to 100.0ppm, 1ppm) with LM25, M20 entry.
Z-SPXCDALMCX	SP XCD Carbon Monoxide 0-500 ppm
	ATEX/IECEX & AP approved. (100 to 1000ppm, 100ppm) with LM25, M20 Entry.
Z-SPXCDALMG1	SP XCD Hydrogen 0-1000 ppm
	ATEX/IECEX & AP approved. With LM25, M20 Entry.

Z-SPXCDALMB1 **ATEX/IECEX & AP approved SP XCD Carbon Dioxide IR 0-2.00%VOL**

ATEX/IECEX & AP approved.
With LM25, M20 Entry.

Accessories for Sensepoint XCD

Z-S3KCAL **Calibration cup**

Z-SPXCDCC **Collecting cone for use with lighter than air gases**

Z-SPXCDDMK **Duct mounting kit**

Z-SPXCD MTBR **Mounting bracket (inc. bolts, nuts, brackets)**

Z-SPXCDSDP **Sunshade / Deluge Protection**

Z-00780-A-0100 **ATEX approved junction box (Explosion proof)**



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.

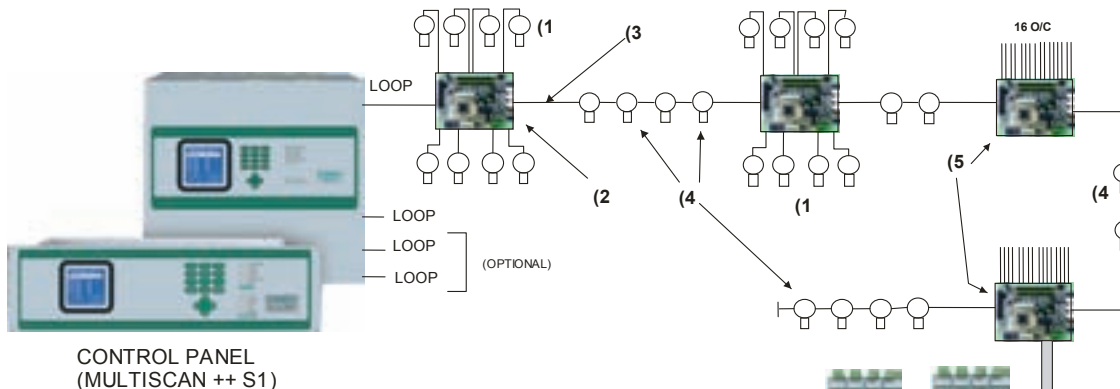
Report from the event memory or real time printouts can be obtained by connecting a printer to the parallel printer port.

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 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 ±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

ST.MTS/S1	MULTISCAN++ S1 gas control panel
	<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>
ST.MTS/S1-B	MULTISCAN++ S1 gas control panel
	<p>As above but in Metal Cabinet.</p> <p>230 Vac power supply.</p>
ST.G/MTSS1-CONF	MULTISCAN++ S1 Software
	<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>
ST.G/IN8-S	8-input remote max 16 modules
	<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>
ST.G/OUT16-S	16-output remote 8 modules
	<p>High safety 16-output remote module (Open collector type) with improved performance for MULTISCAN++S1 control panel. Max 8 modules per line.</p>
ST.G/8REL	Plug and play relay board
	<p>Plug and play relay board to be connected to STG/OUT16 to provide 8 relay outputs.</p>
ST.G/SER++	Additional Serial board
	<p>Additional Serial board to implement serial lines in Multiscan++S1.</p>
VMB/267V40	Power supply 24 Vdc/4A
	<p>Metal Cabinet with enclosed power supply to house one of the above remote cards. 24Vdc 4A.</p>
ST.G/BOX	IP55 Plastic box
	<p>IP55 Plastic box to house one ST.G/IN8-S or ST.G/OUT16-S card.</p>



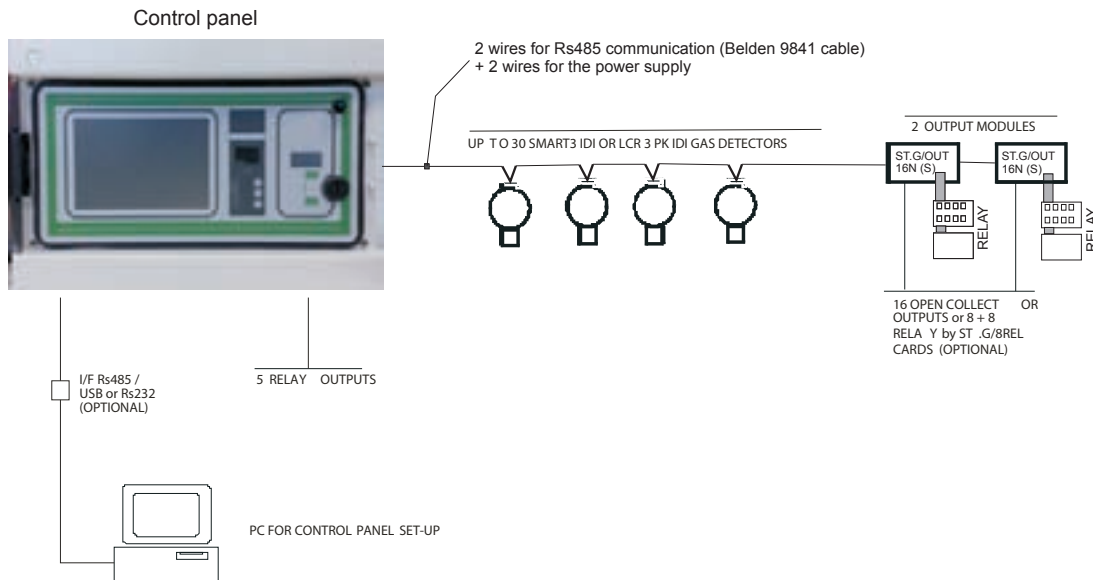
NEW

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, NO2 and CO2, these detectors employ a professional catalytic sensor for flammable gas detection, an electrochemical cell for CO and an infrared sensor for the CO2 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	NO2 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.
S2401CO2	CARBON DIOXIDE (CO2) 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 CO2 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 CO2 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.

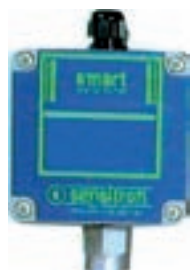
S2162CO

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.

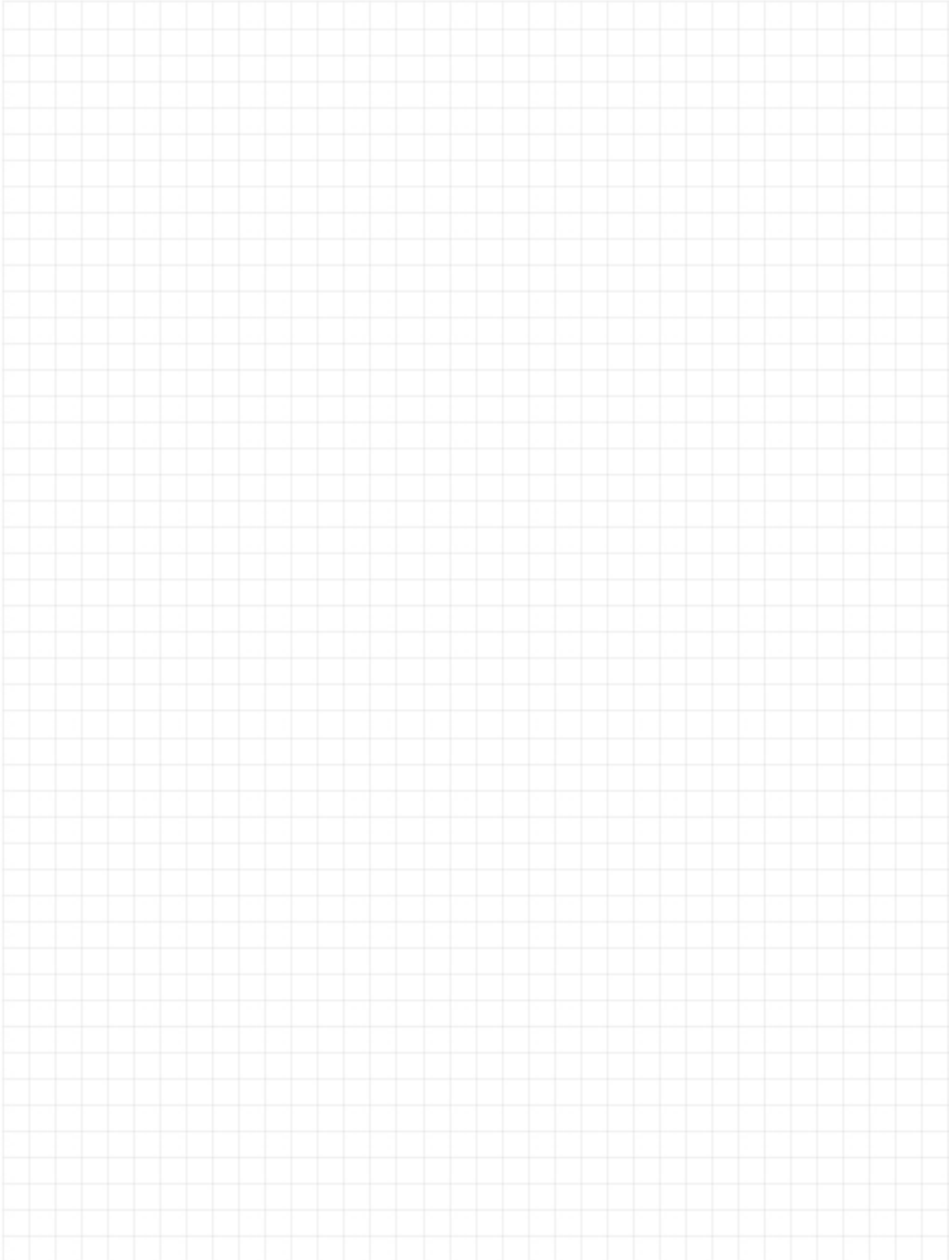
Made anodized alloy, it allows the right quantity of gas inlet to flow to the detector.

It comes complete with adapters to fit on the detectors' heads.



Notes

1. 100



12V 2A

SYNC

LOOP
OUT

LOOP
IN

POL-100



F1

F2

F3

F4

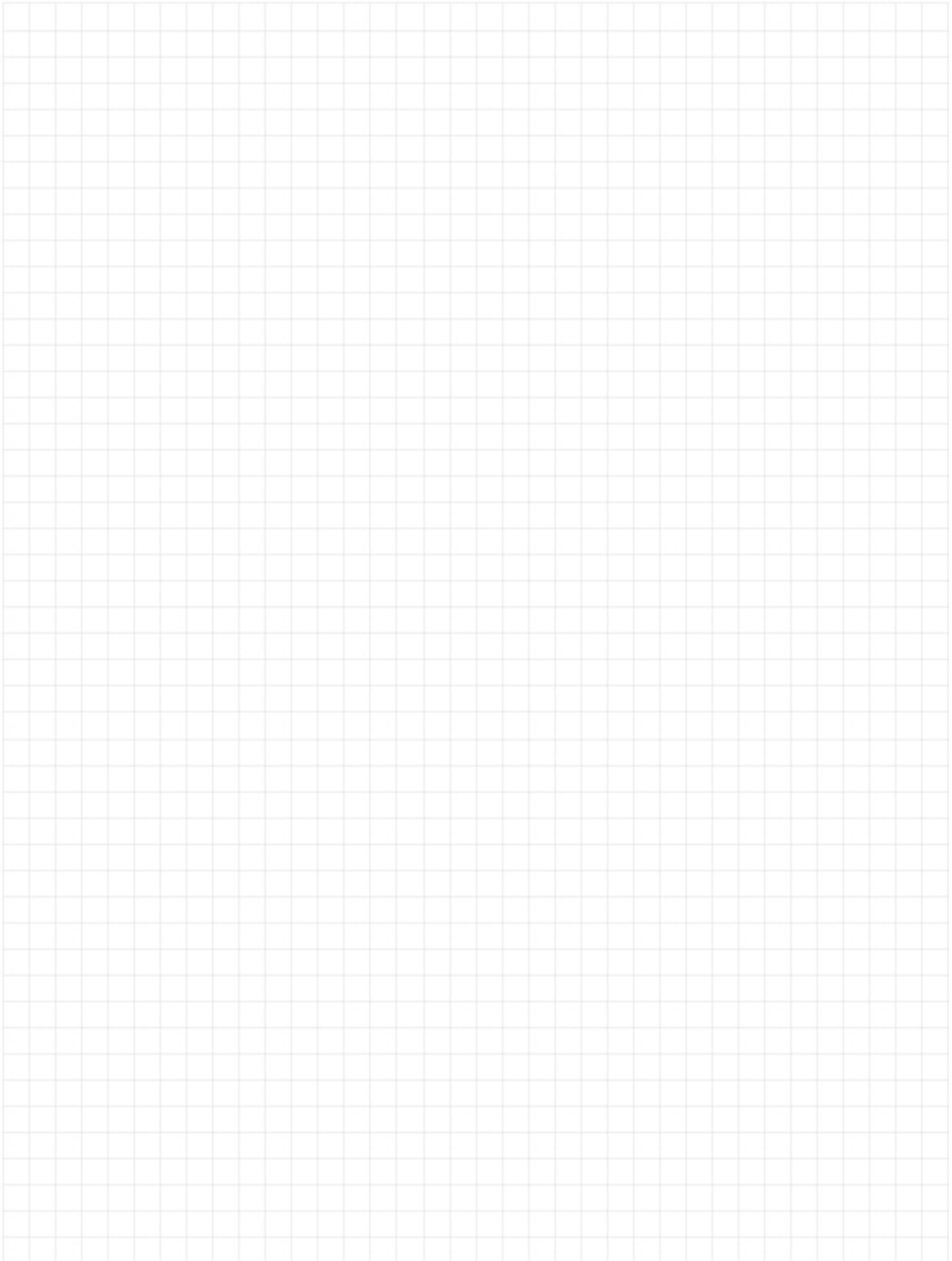


Accessories

Accessories

Notes

1. 20



Power Supplies

HLSPS25-XPB

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-XPB

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)

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)

1

2

3

4

5

6

7

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

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; allodium 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 0,5mm² tinned copper drain.
Recommended for Morley-IAS intelligent loop installation.
Flame non spreader, halogen free, low level of smoke emission and aggressively.

2x1,5-LH-500

Twisted-shielded cable 2 wires 1,5mm²

Reel of 500m.

2x2,5-LH-500

Twisted-shielded cable 2 wires 2,5mm²

Reel of 500m.

Halogen Free Sheathed & Shielded Fire Resistant Cables



2x1,5-LHR-500

Twisted-shielded cable 2 wires 1,5mm² Fire resistant

Reel of 500m.

2x2,5-LHR-500

Twisted-shielded cable 2 wires 2,5mm² Fire resistant

Reel of 500m.

Special wires for communication



CSR485-100

Twisted-shielded cable 2 wires 1mm² - 100m

CSR485-500

Twisted-shielded cable 2 wires 1mm² - 500m

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.

STI 9601	Low profile, flush mounting 70 (h) x 210 (Ø) mm
STI 9602	Low profile, surface mounting 108 (h) x 210 (Ø) mm
STI 9604	Low profile, flush mounting 80 (h) x 175 (Ø) mm
STI 9605	Low profile, surface mounting 115 (h) x 175 (Ø) mm
STI 9606	Low profile, flush mounting 95 (h) x 175 (Ø) mm
STI 9609	High profile, flush mounting 114 (h) x 210 (Ø) mm
STI 9610	High profile, surface mounting 145 (h) x 210 (Ø) mm
STI 9624	Detector guard 225 (h) x 140 (w) x 120 (d) mm
FR-1000-019	Protective Cage (F5000 controller)



Protective Cage for the FIRERAY 5000 System Controller.

FR-1000-018	Protective Cage (F5000 detector)
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Protective Cage for the FIRERAY 5000 motorised detector.

FR-1000-020	Protective Cage (F50R/F100R)
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Protective Cage for the FIRERAY 50R/100R detector.

STI 9706

Beam detector guard for 6500 / MI-LPB2(-S2I)



Specifications

- Dimensions (H x W x D): 275 mm x 237 mm x 120 mm

STI 9707

Surface mounted beam detector guard for 6500 / MI-LPB2(-S2I)

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.

i 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.

i For Green, Blue or Yellow add /G, /B, /Y

i 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

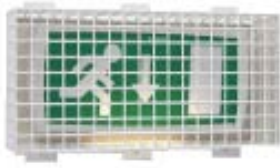


Specifications

- Dimensions (H x W x D): 270 mm x 380 mm x 100 mm

STI 9645

Exit light guard

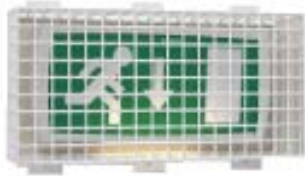


Specifications

- 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.

i 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.

i 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 & 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 bag



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

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 Solo 300



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



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 MI and MI200-S2 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 Detectors series except ECO series.
Activates internal reed switch to give alarm.

M02-09-00

Test magnet on telescopic ROD

For all Series Detectors except ECO series.
Activates internal reed switch to give alarm.



POL-100 Portable Loop Polling Tool



Compatible with Morley-IAS 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

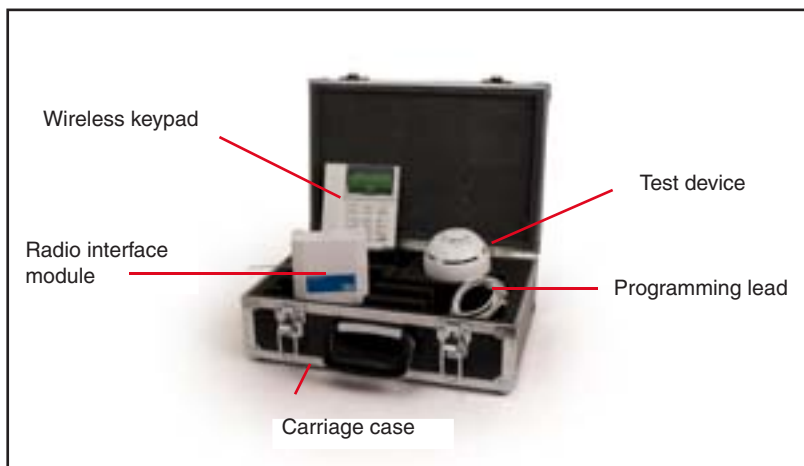
POL-100-ACC

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 Equipment

Z-CAL-COM	Gas detector calibration kit - combustible detectors
	<p>The test kit includes the following items:</p> <p>1 x Z-02000-A1645 calibration gas flow housing Signalpoint & 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 Cylinder</p> <p>1 x Z-2302D0765 Case for storing the above products</p>
Z-CAL-CO	Gas detector calibration kit - CO gas detectors
	<p>The test kit includes the following items:</p> <p>1 x Z-02000-A1645 calibration gas flow housing Signalpoint & 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>
Z-02000-A1645	Calibration gas flow housing for Signalpoint & Sensepoint
Z-SPPPCAL	Calibration cup for Sensepoint Pro & Plus
Z-ZCALREG1	Pre-set 0,3l/m flow regulator
Z-SPPPTUB	1m tygon tubing (suitable for all gases)
Z-2302D0765	Case for up to 2x2 alu. gas cylinders, regulator, tubing
Z-ZCAL2ALF1	2,2%Vol. Methane in air (EU=50% LEL, US=44% LEL)
Z-ZCAL2ALO1	20,9%Vol Oxygen in air
Z-ZCAL2ALC3	250 ppm Carbon monoxide in air
Z-ZCAL2ALA1	25 ppm Ammonia in air
Z-ZCAL2ALA2	300 ppm Ammonia in air

 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.

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AES 24V 3A C24 SB
AES 24V 3A C38 SB
AES 24V 4A C38 SB
AES 24V 6A C38 SB
AES 24V 8A C85 SB

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B501AP-IV
B501AP
B524HTR
B524HTR-WH
B524IEFT-1B
B524IEFT-1
B524RTE
B524RTE-WH
B6782-071
BB-2
BB-6
BCK-200EAP
BCK-200REAP
BCK-200T

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A large grid of graph paper for taking notes, consisting of 20 columns and 30 rows of small squares.

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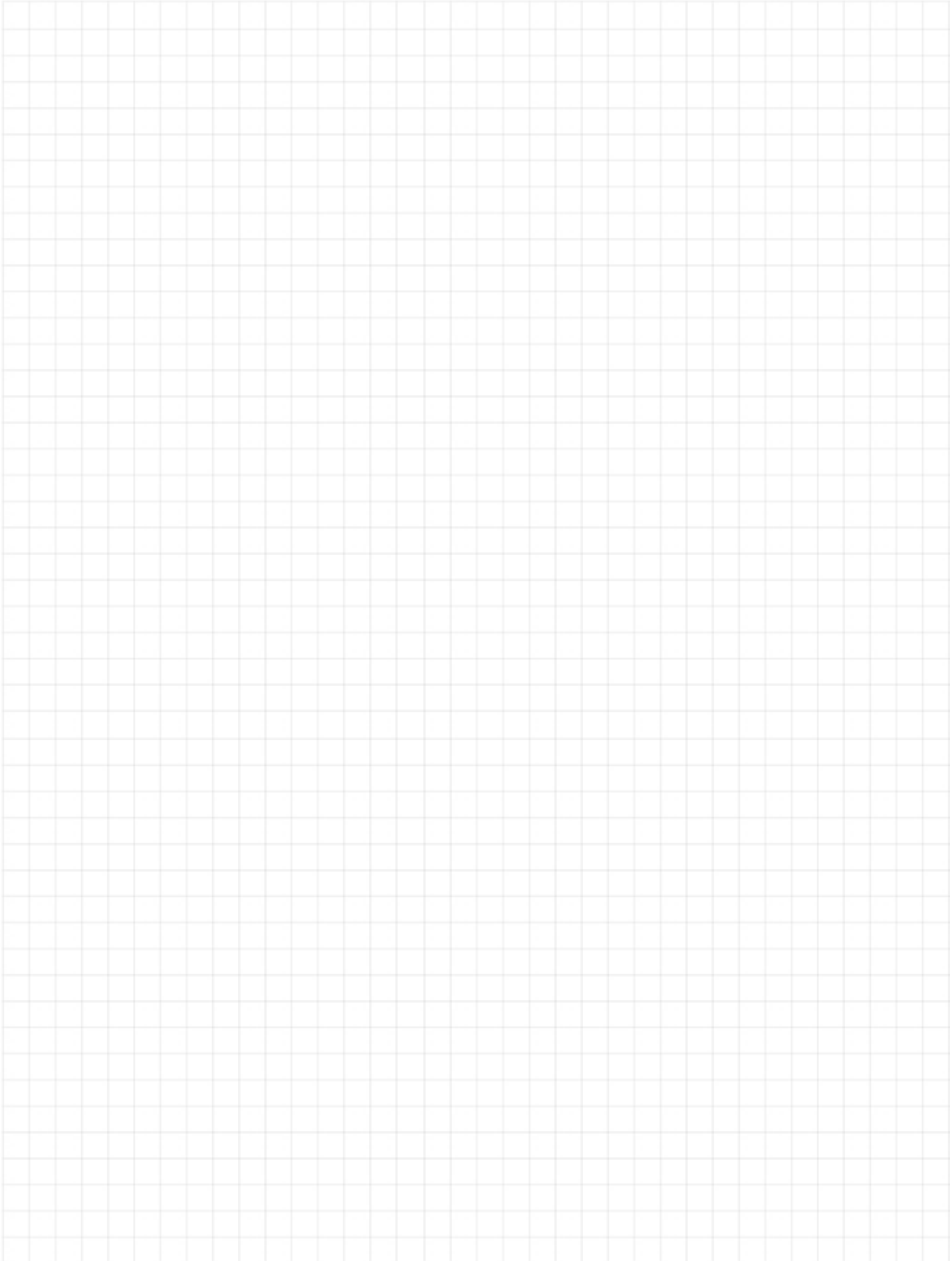
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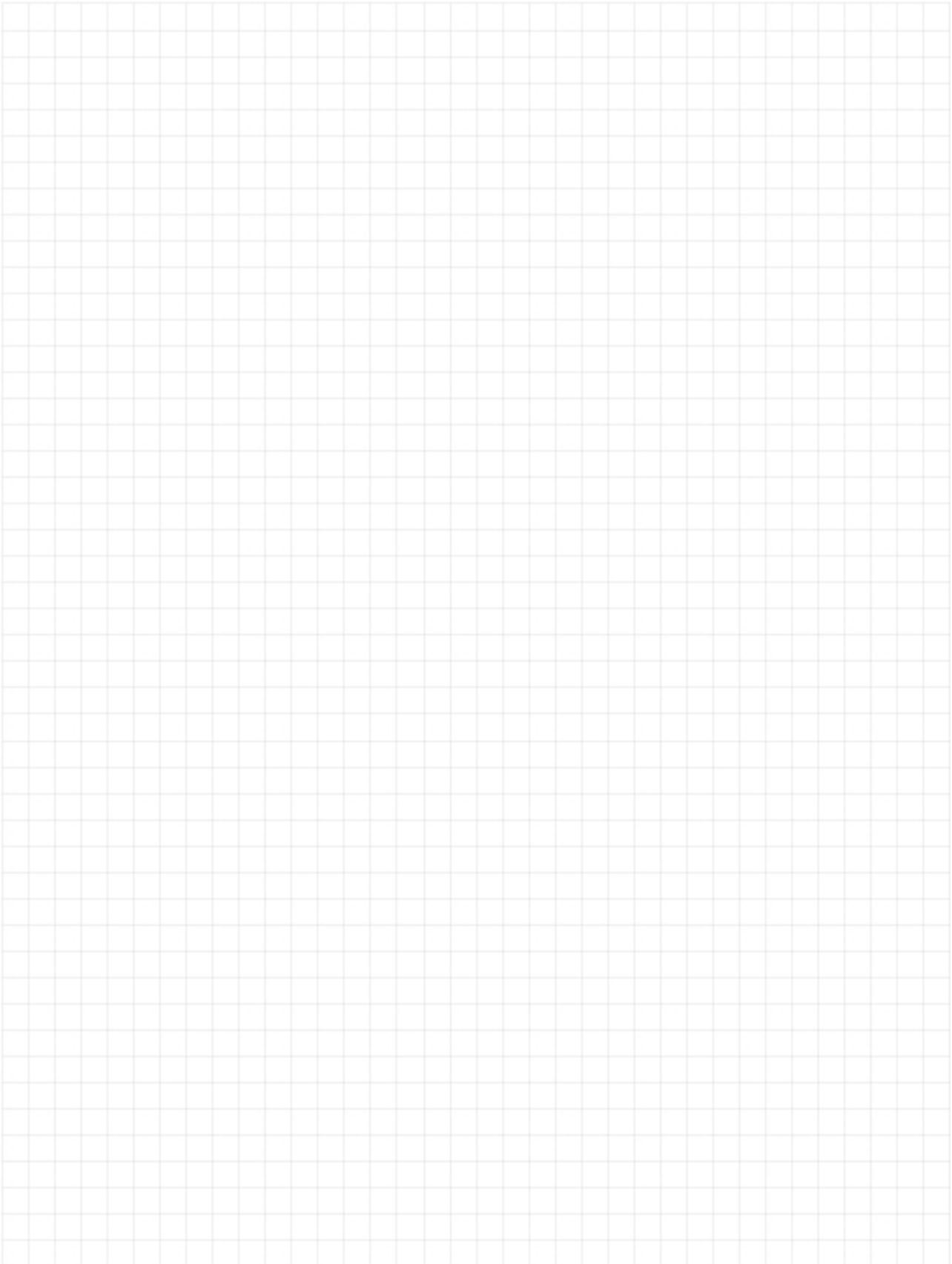
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