PRODUCT CATALOG
SUITABLE FOR SMALL MEDIUM BUILDINGS

Catalog valid from April 2023

Honeywell

PRODUCT CATALOG FOR SMALL MEDIUM BUILDINGS

Products range index.

CONTENTS

With multiple brands, price points and specialties, Honeywell fire and life safety systems are equally at home in skyscrapers and stadiums as they are in shops and clinics. We have a fire protection and life safety system tailored to the unique needs of smaller, more specialized spaces, where occupancy levels fluctuate more, older architectural construction can prevail, budgets are limited, and competitors may push over-engineered solutions.

This guide addresses some of these specialized.
small to medium-sized opportunities

MORLEY-IAS PANELS & ACCESSORIES

FIRE ALARM SYSTEM

MORLEY-IAS MAX 1 LOOP PANEL, 99D+99I/O DEVICES

The MA-1000 panel has a 7 “TF T touch display (800 x 480 with backlight) with 256 colours for entering the control panel programming data and interacting with the operators.

The panel, offer a stand alone solution for small sites that requires high loop power capacity to drive multiple Intelligent Audiovisual Devices on the same detector wiring, reducing system costs and installation time.

Max panels offer multiple installation options, in addition to standard wall mounting: special frames are available for flush mounting.

PART. NO MA-1000-XX

FEATURES

- 4 access levels in accordance with EN 54 standards
- Programmable text (32 characters) for points and zones
- Up to 150 soft zones, 400 logical groups
- Control-by-event (CBE) equations for activations with logical operators
- Historical log stores 10,000 events, plus 4,000 active events in non-volatile memory
- Clock in real time
- Auto-programming lines with automatic recognition of the model of the devices
- Decision algorithms for the alarm, pre-alarm and faults
- Automatic day / night sensitivity change
- Indication of the need to clean the smoke sensors
- Programmable alarm threshold for all sensors
- Walk-Test function by zone
- Built in RS485/RS232

ACCESSORIES MA-1BZL Flush bezel kit for MA-1000

TECHNICAL SPECIFICATION

MAIN POWER SUPPLY	100-240 V AC +/- 15%, 50 / 60 Hz 1,2A @ 230 V AC	PROTECTION CLASS	IP30
BATTERY CAPACITY	2x 12V / max. 12Ah	DIMENSIONS (H X W X D)	265 x 365 x 145 mm
LOOP POWER	750 mA	OPERATING TEMPERATURE	C°5- to C°40+
OUTPUTS	1 fault (NO/NC); 1 alarm and 2 optional (NO/NC or monitored 1 A, balanced with resistor or diode)	STORAGE TEMPERATURE	C°10- to C°50+
SOUNDER OUTPUT	1 (monitored 1 A, balanced with resistor or diode)	HUMIDITY	%5 - %95 non-condensing
24 VDC OUTPUT	max. 1 A	WEIGHT	2 KG
COLOR	RAL 9002		

MORLEY-IAS PANELS & ACCESSORIES

FIRE ALARM SYSTEM

MORLEY-IAS MAX 2 LOOP PANEL, 99D+99I/O DEVICES

The MA-2000 panel has a 7 “TF T touch display (800 x 480 with backlight) with 256 colours for entering the control panel programming data and interacting with the operators.

The panel, can be networked thanks to its two high-speed, opto-isolated, CAN bus lines for connecting a fail-safe closed loop network. With components distributed throughout the building, up to 64 panels or 128 loops can be networked together to build a unified system that shares events and logic.

Max panels offer multiple installation options, in addition to standard wall mounting: special frames are available for flush as well as 19" rack mounting options. Built in RS485, RS232 and CAN bus, no additional PCB's required.

PART. NO MA-2000-XX

FEATURES

- 4 access levels in accordance with EN 54 standards
- Programmable text (32 characters) for points and zones
- Up to 2000 soft zones, 400 logical groups in stand-alone systems and 1600 groups in network configuration with 64 panels or 128 total loops
- Control-by-event (CBE) equations for activations with logical operators
- Historical log stores 10,000 events, plus 4,000 active events in non-volatile memory (standalone or network configuration)
- Clock in real time
- Auto-programming lines with automatic recognition of the model of the devices
- Decision algorithms for the alarm, pre-alarm and faults
- Automatic day / night sensitivity change
- Indication of the need to clean the smoke sensors
- Programmable alarm threshold for all sensors
- Walk-Test function by zone
- Built in RS485/RS232 and CAN bus network

ACCESSORIES

MA-2BZL Flush bezel kit for MA-2000	MA-BST-C Booster card for CAN bus network

TECHNICAL SPECIFICATION

MAIN POWER SUPPLY	100-240 V AC +/- 15%, 50 / 60 Hz 1,7A @ 230 V AC	PROTECTION CLASS	IP30
BATTERY CAPACITY	2x 12V / max. 17Ah	DIMENSIONS (H X W X D)	483 x 265 x 217.5 mm
LOOP POWER	750 mA	OPERATING TEMPERATURE	C°5- to C°40+
OUTPUTS	1 fault (NO/NC); 1 alarm and 2 optional (NO/NC or monitored 1 A, balanced with resistor or diode)	STORAGE TEMPERATURE	C°10- to C°50+
SOUNDER OUTPUT	1 (monitored 1 A, balanced with resistor or diode)	HUMIDITY	%5 - %95 non-condensing
24 VDC OUTPUT	max. 1 A	WEIGHT	6 KG
COLOR	RAL 9002		

MORLEY-IAS MAX (4) TO 8 (LOOP PANEL), 99D+99I/O DEVICES

The MA-8000 panel has a 7 “TF T touch display (800 x 480 with backlight) with 256 colours for entering the control panel programming data and interacting with the operators.

The panel, can be networked thanks to its two high-speed, opto-isolated, CAN bus lines for connecting a fail-safe closed loop network. With components distributed throughout the building, up to 64 panels or 128 loops can be networked together to build a unified system that shares events and logic.

Max panels offer multiple installation options, in addition to standard wall mounting: special frames are available for flush mounting option. Built in RS485, RS232 and CAN bus, no additional PCB's required.

PART. NO MA-8000-XX

FEATURES

- 4 access levels in accordance with EN 54 standards
- Programmable text (32 characters) for points and zones
- Up to 2000 soft zones, 400 logical groups in stand-alone systems and 1600 groups in network configuration with 64 panels or 128 total loops
- Control-by-event (CBE) equations for activations with logical operators
- Historical log stores 10,000 events, plus 4,000 active events in non-volatile memory (standalone or network configuration)
- Clock in real time
- Auto-programming lines with automatic recognition of the model of the devices
- Decision algorithms for the alarm, pre-alarm and faults
- Automatic day / night sensitivity change
- Indication of the need to clean the smoke sensors
- Programmable alarm threshold for all sensors
- Walk-Test function by zone
- Built in RS485/RS232 and CAN bus network
- Includes 4 loops as standard, expendable up to 8 loop in same enclosure
- Fits up to 38ah batteries

ACCESSORIES

MA-8BZL Flush bezel kit for MA-8000	MA-BST-C Booster card for CAN bus network

TECHNICAL SPECIFICATION

MAIN POWER SUPPLY	100-240 V AC +/- 15%, 50 / 60 Hz 2.4A @ 230 V AC	PROTECTION CLASS	IP30
BATTERY CAPACITY	2x 12V / max. 38Ah	DIMENSIONS (H X W X D)	483 x 398 x 217.5 mm
LOOP POWER	750 mA per loop	OPERATING TEMPERATURE	C°5- to C°40+
OUTPUTS	1 Supervised Sounder Output (EOL 47 KΩ or Diode) 1 General Alarm Output with contacts free from voltage / supervised Output (EOL 47KΩ or Diode) • 1 General Fault Output with contacts free from voltage • 2 Optional outputs with contacts free from voltage / supervised Output (EOL 47 KΩ or Diode)	STORAGE TEMPERATURE	C°10- to C°50+
SOUNDER OUTPUT	1 (monitored 1 A, balanced with resistor or diode)	HUMIDITY	%5 - %95 non-condensing
24 VDC OUTPUT	max. 1 A	WEIGHT	9 KG
COLOR	RAL 9002		

MORLEY-IAS MAX MA-8000 2 LOOP EXPANSION CARD

The MA-LIB2-02 expansion card offers the option to expand the MA-8000 Morley-IAS Max from a 4 to 6 or 8 loop panel.

PART. NO MA-LIB2-02

MORLEY-IAS MAX FLUSH BEZEL FOR MA-1000 PANEL

The MA-1BZL flush bezel kit is used to install the MA-1000 Morley-IAS Max panel flush mounted into a wall.

PART. NO MA-1BZL

MORLEY-IAS MAX FLUSH BEZEL FOR MA-2000 PANEL

The MA-2BZL flush bezel kit is used to install the MA-2000 Morley-IAS Max panel flush mounted into a wall.

PART. NO MA-2BZL

MORLEY-IAS MAX FLUSH BEZEL FOR MA-8000 PANEL

The MA-8BZL flush bezel kit is used to install the MA-8000 Morley-IAS Max panel flush mounted into a wall.

PART. NO MA-8BZL

AMPLIFIER CAN BUS BOARD FOR CAN BUS NETWORK

The MA-BST-C is an optional CAN bus signal amplification board, allowing to double the standard distance of 500 meters between panels. Up to 8 CAN bus booster can be connected on the network.

PART. NO MA-BST-C

CAN BUS CABLE

CAN bus cable to connect Morley-IAS Max panels

PART. NO CBUS2075-FR

ACCESSORIES MA-2000-XX and MA-8000-XX

MORLEY-IAS LITE ADDRESSABLE FIRE PANEL SUPPORTING UP TO 32 ADDRESSABLE DEVICES

LT-32 control panels include Honeywell's Advanced protocol which maximizes the speed and efficiency of alarm detection, as well as providing maximum information to the installer.

The 4.3" (480x272 pixel) Touch Screen provides an intuitive user interface via its menus with quick and easy system operation.

The LT-32 Series control panels allow configuration from the screen itself and a maximum of 32 addressable devices in the system.

PART. NO LT-32

FEATURES

- Includes 6 AA-size 2,800mAh nickel metal hydride (Ni-MH) batteries
- Language selection, available in English, Italian, Spanish Arabic, Portuguese, Romanian, Dutch, French, Turkish, Albanian, Slovenian, Serbian, Croatian, Greek, Bulgarian, German
- Quick configuration of the unit from the same display
- Certified to EN54-2:1997+A1:2006 and EN54-4:1997+A1:2002 and A2:2006; LVD 62.368-1:2014+A11

TECHNICAL SPECIFICATION

MAIN POWER SUPPLY	230 V AC +/- 15%, 50 / 60 Hz	DIMENSIONS (H X W X D)	126.9 x 206.9 x 42.7 mm
POWER CONSUMPTION	max. 24W	OPERATING TEMPERATURE	0°C to +40°C
BATTERY CAPACITY	6x AA size 2.800 mAh	HUMIDITY	5% - 95% non-condensing
OUTPUTS	1 fault (NO/NC); 1 alarm (NO/NC)	WEIGHT	400 g
SOUNDER OUTPUT	2, max. 50 mA	PROTECTION CLASS	IP30
COLOR	RAL 9002		

MORLEY-IAS LITE ADDRESSABLE FACP SUPPORTING UP TO 32 DEVICES

LT-159 control panels include Honeywell's Advanced protocol which maximizes the speed and efficiency of alarm detection, as well as providing maximum information to the installer.

The 4.3" (480x272 pixel) Touch Screen provides an intuitive user interface via its menus with quick and easy system operation. The LT-159 Series control panels allow configuration from the screen itself and a maximum of 159 addressable devices in the system.

PART. NO LT-159

FEATURES

- Includes 6 AA-size 2,800mAh nickel metal hydride (Ni-MH) batteries
- Language selection, available in English, Italian, Spanish Arabic, Portuguese, Romanian, Dutch, French, Turkish, Albanian, Slovenian, Serbian, Croatian, Greek, Bulgarian, German
- Quick configuration of the unit from the same display
- 2x Serial Communication port
- Certified to EN54-2:1997+A1:2006 and EN54-4:1997+A1:2002 and A2:2006; LVD 62.368-1:2014+A11

TECHNICAL SPECIFICATION

MAIN POWER SUPPLY	230 V AC +/- 15%, 50 / 60 Hz	DIMENSIONS (H X W X D)	126.9 x 206.9 x 42.7 mm
POWER CONSUMPTION	max. 24W	OPERATING TEMPERATURE	0°C to +40°C
BATTERY CAPACITY	6x AA size 2.800 mAh	HUMIDITY	5% - 95% non-condensing
OUTPUTS	1 fault (NO/NC); 1 alarm (NO/NC)	WEIGHT	400 g
SOUNDER OUTPUT	1, max. 50 mA	PROTECTION CLASS	IP30
COLOR	RAL 7021/9005		

MORLEY-IAS PLUS COMPACT ADDRESSABLE FIRE PANEL WITH SINGLE LOOP

Morley-IAS Plus is an analogue-addressable control panel that is compact, powerful, easy to install and configure. Reducing commissioning time to a minimum. The control panel includes Honeywell's Advanced (AP) protocol which maximizes the speed and efficiency of alarm detection, as well as providing maximum information to the installer. The 4.3" (480x272 pixel) Touch Screen provides an intuitive user interface via its menus with quick and easy system operation. The PL-1000 control panel allows full system configuration from the screen itself.

It is a single loop addressable panel expandable to two loops with an optional loop card (PL-LIB01). Each loop supports 159 detectors and 159 input / output modules.

PART. NO PL-1000

FEATURES

- 4,3" / 109,2 cm Touch-screen graphical color display, 480 x 272 pixel with back illumination and back-lit membrane buttons
- Multiple language selections
- Intuitive colour event indication tab system for improved situational awareness
- Simple DOT Matrix Cause and Effect rule builder
- Quick configuration of the unit from the same display
- On-screen 16 Virtual Zonal LED indicator to increase situational awareness
- Certified to EN54-2, EN54-4; LVD 62.368-1:2014+A11

TECHNICAL SPECIFICATION

MAIN POWER SUPPLY	100-240 V AC +/- 15%, 50 / 60 Hz	PROTECTION CLASS	IP30
POWER CONSUMPTION	max. 65W	DIMENSIONS (H X W X D)	356 x 379 x 120 mm
BATTERY CAPACITY	7 Ah or 12 Ah (not included)	OPERATING TEMPERATURE	0°C to +40°C
OUTPUTS	1 fault (NO/NC); 1 alarm (NO/NC)	24 VDC OUTPUT	max. 500 mA
SOUNDER OUTPUT	2, max. 250 mA	HUMIDITY	5% - 95% non-condensing
COLOR	RAL 9002	WEIGHT	1.76 KG

OPTIONAL LOOP MODULE PL-LIB01 FOR PL-1000

Loop module to expand the PL-1000 control panel to a 2 loop system. Each loop supports 159 detectors and 159 input / output modules.

PART. NO PL-LIB01

MORLEY-IAS DXc PANELS & ACCESSORIES

FIRE ALARM SYSTEM

DXC1-S SINGLE LOOP PANEL

DXc1 is a single-loop fire control panel. It can operate as stand-alone or networked system with other DXc series panels up to 16 loops. 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.

PART. NO	714/001/117
LANGUAGES	Supports Austrian, Turkish, Polish, Romanian, Hungarian, Czech, Slovakian, Slovenian, Croatian, Latvian, Lithuanian and Estonian languages
PART. NO	714/001/118
LANGUAGES	Supports Bulgarian and Russian languages
PART. NO	714/001/119
LANGUAGES	Supports Greek language

FEATURES

- Networking up to 16 loops
- 1 loop control panel (inbuilt loop card)
- 6 x 40 characters, blue liquid crystal display with backlight illumination
- Option to upload compay logo
- Configuration by Keypad and PC
- 160 Fire Zones
- RS-485 port for peripherals connection
- 2 programmable output sounder circuits (monitored)
- Fire, Fault and Auxiliary relay (each one)
- Loop-Battery calculator for reliable system design
- 7 day timer
- Onboard diagnostic
- Specification EN54-2, EN54-4
- LPCB approved

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	230 V, 50-60 Hz AC (+15%,-15% tolerance)	DIMENSIONS (H X W X D)	H: 260mm W: 390mm D: 147mm
AX PSU RATING	2 A / 24 V DC	OPERATING TEMPERATURE	0°C to +40°C
AUXILIARY OUTPUT	24 V DC / 250 mA	COLOR	Gray white, similar to RAL 9002
AMBIENT TEMPERATURE	0°C ... 40°C	WEIGHT	4 KG
HUMIDITY	5% ... 95% non-condensing	INGRESS PROTECTION	IP30
BATTERIES	2 x 12 V / 7 Ah	SOUNDER CKT RATING	1 A
CABLE ENTRY	25 x 20 mm knock-outs at the top and 2 x 20 mm knock-outs at the bottom	HOUSING MATERIAL	Mild Steel (rear enclosure), ABS plastic front cover complying BS EN60950

ACCESSORIES

ISOL USB UP/DOWNLOAD LEAD

The USB upload/download lead provides the interface between a PC and Morley-IAS fire alarm control panel and is required to upload and download panel configuration from the DXc free configuration tool, to firmware panel updating or to download history logs from panel.

PART. NO	020-891

DXC2-M TWO LOOP PANEL

DXc2 is a two-loop fire control panel. It can operate as stand-alone or networked system with other DXc series panels up to 16 loops (8 x DXc2).

Additionally the system can be expanded up to 16 of DVc1 or 4 of DXc4 (DXc2 in combination with 2 loop expantion card) or a mix & match of different variants up to 16 loops networked solution.

PART. NO	714/001/227
LANGUAGES	Supports Austrian, Turkish, Polish, Romanian,Hungarian, Czech, Slovakian, Slowenian, Croatian, Lativan, Lithuanian and Estonian languages
PART. NO	7714/001/228
LANGUAGES	Supports Bulgarian and Russian languages
PART. NO	714/001/229
LANGUAGES	Supports Greek language

FEATURES

- Networking up to 16 loops
- 1 loop control panel (inbuilt loop card)
- 6 x 40 characters, blue liquid crystal display with backlight illumination
- Option to upload compay logo
- Configuration by Keypad and PC
- 160 Fire Zones
- RS-485 port for peripherals connection
- 2 programmable output sounder circuits (monitored)
- Fire, Fault and Auxiliary relay (each one)
- Loop-Battery calculator for reliable system design
- 7 day timer
- Onboard diagnostic
- Specification EN54-2, EN54-4
- LPCB approved
- Meets CNBOP requirements

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	230 V, 50-60 Hz AC (+15%,-15% tolerance)	DIMENSIONS (H X W X D)	H: 391.5 mm W: 390 mm D: 147 mm
MAX PSU RATING	4 A / 24 V DC	CABLE ENTRY	25 x 20 mm knock-outs at the top and 2 x 20 mm knock-outs at the bottom
AUXILIARY OUTPUT	24 V DC / 250 mA	COLOR	Gray white, similar to RAL 9002
LOOP LOAD	500 mA	WEIGHT	4.5 KG
AMBIENT TEMPERATURE	0°C ... 40°C	INGRESS PROTECTION	IP30
HUMIDITY	5% ... 95% non-condensing	SOUNDER CKT RATING	1 A
BATTERIES	2 x 12 V / 7 Ah	HOUSING MATERIAL	Mild Steel (rear enclosure), ABS plastic front cover complying BS EN60950

KIT DXC 2 LOOP EXPANSION CARD

Plug and play card to expand the DXc2 panel capacity to 4 loops (396 sensors + 396 Modules)

PART. NO 795/111

KIT DXC NETWORK CARD

The DXc Network card order to connect panels together to create a DXc panel Network. It is required one Network card on each networking panel. The Honeywell Morley-IAS network is a peer to peer network with shared zones and keyboard, were each panel is equal in the network. The Network card is fitted in the control panel.

PART. NO 795-099

ACCESSORIES **KIT DXC 40 ZONE LED CARD**

PART. NO 795-102

ACCESSORIES **KIT DXC SPARE DOOR**

PART. NO 795-104

ACCESSORIES **KIT DXC SPARE PSU 1 LOOP**

PART. NO 795-106

ACCESSORIES **KIT DXC SPARE PSU 2-4 LOOP**

PART. NO 795-107

ACCESSORIES **KIT DXC SPARE BASE CARD 1 LOOP R2**

PART. NO 795-109-002

ACCESSORIES **KIT DXC SPARE BASE CARD 2 LOOP R2**

PART. NO 795-110-002

KIT DXC KEYSWITCH

Optional key switch kit for user access level 2 for the front panel door. The User key switch enable or disable user access level 2 without the need to insert the access level 2 code in the keypad.

The switch fits the existing panel door hole and is connected to the panel display PCB.

PART. NO 795-118

KIT DXC RS232

The RS232 port card provides the external connection of peripherals with a proprietary protocol to give and control external equipment.

The RS232 card is fitted in the control panel.

PART. NO 795-122

ACCESSORIES **KIT DXC 80 ZONE LED CARD**

PART. NO 795-124

SYSTEM I/O CARD

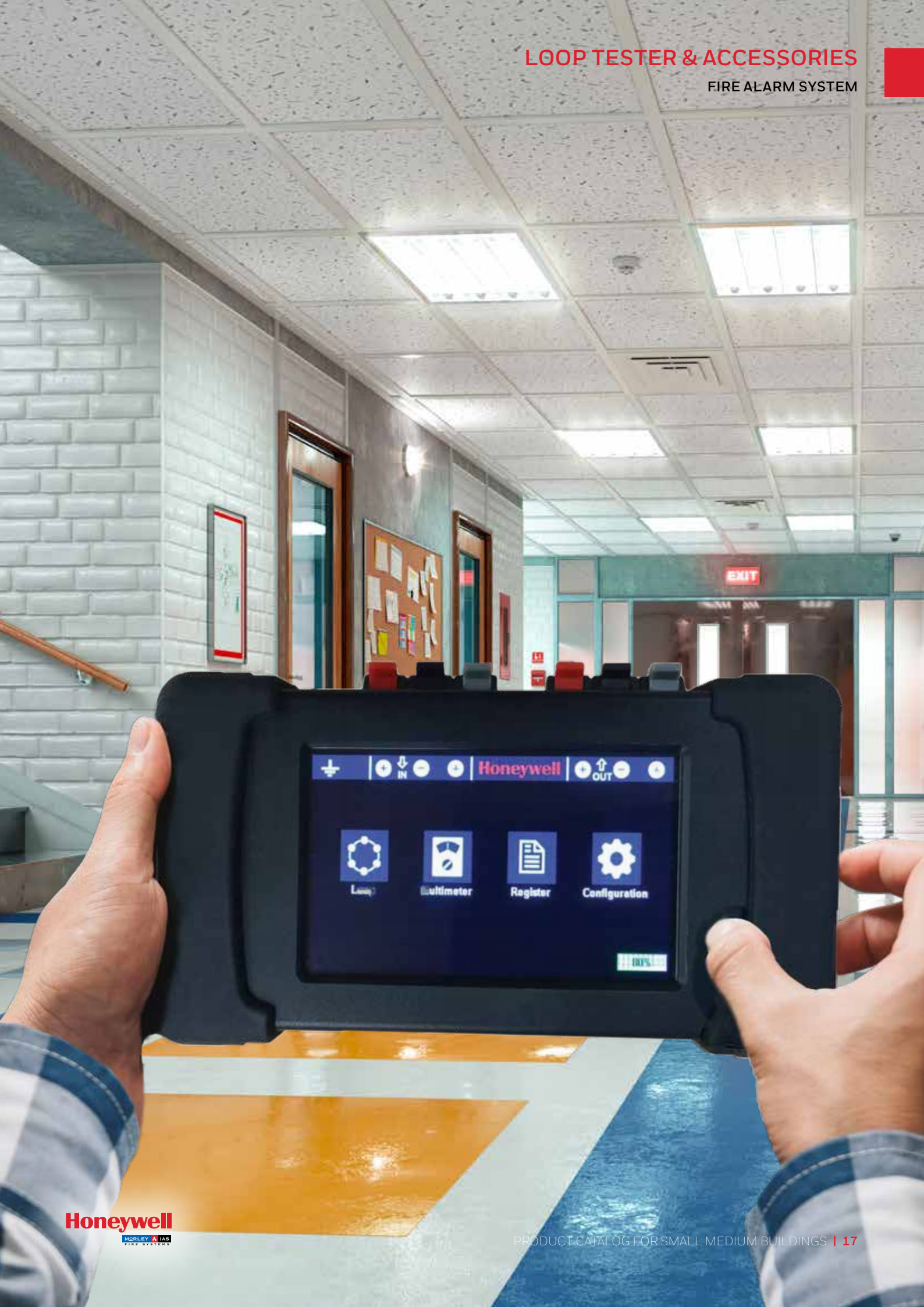
The System IO card provides a VdS DXc panel compliance interface to communicate with the required Fire Brigade equipment as part of the VdS compliant Fire System.

The System IO card is installed inside the DXc panel in the expansion board connector.

PART. NO 795-132

ACCESSORIES **FIRE PANEL ANSC IAS SPARE KEY**

PART. NO 797-021


EXIT
IN
Honeywell
OUT
Multimeter
Register
Configuration

LOOP TESTER & ACCESSORIES

FIRE ALARM SYSTEM

TESTER ANALOGUE LOOP NOT/MIAS

Intelligent loop diagnostic hand tool helps in the start-up installation process and maintenance works of Fire Alarm Systems. The tool visualizes Information on the Screen with Color graphic symbols. It allows to perform a loop diagnostic before connect to the fire alarm panel and verifies loop device addresses for errors or possible double addressing.

The tool also identifies where cable breaks or short-cuts appear on the wiring. It has a multimeter option to check loop cable as well.

PART. NO	POL-200-TS
FEATURES	• Identities Installation and Connection faults early • Onboard Multimeter measures cable resistance/impedance/isolation (Earth) • USB port for updates and to copy files • 6 h battery time with 1 h fast charge
ACCESSORIES	**POL-XXX CHARGER**
PART. NO	V354005

AUX. PSU FIRE HONEYWELL 24V 5AMP

5.0 Amp PSU designed to meet the requirements of EN54-4. This range of PSUs includes all of the necessary monitoring and standby capability demanded by EN54-4.

Each unit comes within the same size steel enclosure for ease of use, offering 2.5A or 5A alarm capability.

PART. NO HLSPS50

AUX. PSU FIRE HONEYWELL 24V 2.5AMP

2.5 Amp PSU designed to meet the requirements of EN54-4. This range of PSUs includes all of the necessary monitoring and standby capability demanded by EN54-4.

Each unit comes within the same size steel enclosure for ease of use, offering 2.5A or 5A alarm capability.

PART. NO HLSPS25

BATTERY 12 V DC/7 AH CAPACITY

2 x Fast-on adapters from M6 to 6.3mm each 2 x M5 hexagon head cap screws, washers and snap rings.

PART. NO 018004

BATTERY 12 V DC/17 AH CAPACITY

2 x Fast-on adapters from M6 to 6.3mm each 2 x M5 hexagon head cap screws, washers and snap rings.

PART. NO 018007

BATTERY 12 V DC/38 AH CAPACITY

2 x Fast-on adapters from M6 to 6.3mm each 2 x M6 hexagon head cap screws, 4 x washers and snap rings.

PART. NO 018009

MORLEY-IAS IVORY, FIXED HEAT DETECTOR WITH ISOLATOR

The detector uses fixed temperature analog addressable sensors employing low mass thermistors and microprocessor technology for fast response and linear temperature sensing.

It´s linear response allows the sensor to be used to sinal temperatures over 58°C (Class A1S). The detector has two integral red LEDs that provide 360° local visual indication of the device status.

PART. NO HM-FHSE-I-AP

FEATURES

- Advanced protocol and smoothing filter to suppress false alarm
- Rotary decade address switches
- Analog addressable communication
- Dual integrated LED for 360° visibility
- Specification: EN54-5
- LPCB approved
- Environment friendly - meets RoHS legislative requirements

ACCESSORIES

MI/B501AP/IV Detector and AV standard base
SMK400EAP-IV Deep base for MI/B501AP/IV

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	15 ... 28 V DC	MAX. WIRE GUAGE	2.5 sqmm
LED CURRENT	3.5 mA @ 24 V DC	WEIGHT	88 g
REMOTE OUTPUT CURRENT	10.8 mA @ 24 V DC	COLOR	Ivory
TEMPERATURE RANGE	-30°C ... +70°C	DIMENSION	ø: 102 mm (with base MI/B501AP/IV) H: 61 mm (with base MI/B501AP/IV)
REMOTE OUTPUT VOLTAGE	22.5 V DC @ 24 V DC input	MATERIAL	PC / ABS
HUMIDITY	10 ... 93% (non-condensing)	MAXIMUM STANDBY CURRENT	200 uA @ 24 V DC (no LED blink) 300 uA @ 24 V DC (LED blink enabled)

MORLEY-IAS IVORY, SMOKE DETECTOR WITH ISOLATOR

The photoelectric smoke sensor delivers high responsiveness, reduced sensitivity to dust and false alarms resulting from ingress of insect 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 HM/PSE optical smoke detector has two integral red LEDs that provide 360° local visual indication of the device status.

PART. NO HM/PSE/I

FEATURES

- Genuine and fast response
- Advanced protocol and smoothing filter to suppress false alarm
- Rotary decade address switches
- Analog addressable communication
- Dual integrated LED for 360° visibility
- Specification: EN54-7
- LPCB approved
- Environment friendly - meets RoHS legislative requirements

ACCESSORIES

MI/B501AP/IV Detector and AV standard base

SMK400EAP-IV Deep base for MI/B501AP/IV

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	15 ... 28 V DC	MAX. WIRE GUAGE	2.5 sqmm
LED CURRENT	3.5 mA @ 24 V DC	WEIGHT	97 g
REMOTE OUTPUT CURRENT	10.8 mA @ 24 V DC	COLOR	Ivory
TEMPERATURE RANGE	-30°C ... +70°C	DIMENSION	ø: 102 mm (with base MI/B501AP/IV) H: 61 mm (with base MI/B501AP/IV)
REMOTE OUTPUT VOLTAGE	22.5 V DC @ 24 V DC input	MATERIAL	PC / ABS
HUMIDITY	10 ... 93% (non-condensing)	MAXIMUM STANDBY CURRENT	200 uA @ 24 V DC (no LED blink) 300 uA @ 24 V DC (LED blink enabled)

MORLEY-IAS IVORY, PHOTO THERMAL DETECTOR WITH ISOLATOR

The optical-thermal sensor 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 optical-thermal detector conforms to EN54-7, a 58°C fixed temperature and rate of rise thermal assistance conforming to EN54-5.

The thermal detection function combines thermistor technology with a software corrected linear temperature response. In areas where the normal daytime activities may potentially create unwanted alarms, the detector can be programmed to operate in a “heat only” mode, automatically reverting to full photo-thermal operation during unoccupied periods.

The sensing elements of the HM/PTSE optical-thermal detector are panel controllable so the sensitivity thresholds of each element can be changed by the panel offering the ability to customise the device for the changing use of the area it is protecting. The detector has two integral red LEDs that provide 360° local visual indication of the device status.

*Do not install detectors in locations where normal ambient temperature exceeds 50° C

PART. NO HM-PTSE-I-AP

FEATURES

- Genuine and fast response
- Advanced protocol and smoothing filter to suppress false alarm
- Rotary decade address switches
- Analog addressable communication
- Dual integrated LED for 360° visibility
- Specification: EN54-7
- LPCB approved
- Environment friendly - meets RoHS legislative requirements

SENSITIVITY SETTINGS

Level 1 3% Obs./m + Class A1R
Level 2 3% ... 6.1% variable Obs./m + Class A1R
Level 3 6.1% Obs./m + Class A1R
Level 4 6.1 ... 9.4% variable Obs./m + Class A1R
Level 5 9.4% Obs./m + Class A1R
Level 6 Class A1R

ACCESSORIES

MI/B501AP/IV Detector and AV standard base
SMK400EAP-IV Deep base for MI/B501AP/IV

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	15 ... 28 V DC	MAX. WIRE GUAGE	2.5 sqmm
LED CURRENT	3.5 mA @ 24 V DC	WEIGHT	99 g
REMOTE OUTPUT CURRENT	10.8 mA @ 24 V DC	COLOR	Ivory
TEMPERATURE RANGE	-30°C ... +70°C	DIMENSION	ø: 102 mm (with base MI/B501AP/IV) H: 61 mm (with base MI/B501AP/IV)
REMOTE OUTPUT VOLTAGE	22.5 V DC @ 24 V DC input	MATERIAL	PC / ABS
HUMIDITY	10 ... 93% (non-condensing)	MAXIMUM STANDBY CURRENT	200 uA @ 24 V DC (no LED blink) 300 uA @ 24 V DC (LED blink enabled)

MORLEY-IAS IVORY, ROR HEAT DETECTOR WITH ISOLATOR

The detector uses the thermister 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).

The detector has two integral red LEDs that provide 360° local visual indication of the device status.

*Do not install detectors in locations where normal ambient temperature exceeds 50° C..

PART. NO HM-RHSE-I-AP

FEATURES

- Advanced protocol and smoothing filter to suppress false alarm
- Rotary decade address switches
- Analog addressable communication
- Dual integrated LED for 360° visibility
- Specification: EN54-5
- LPCB approved
- Environment friendly - meets RoHS legislative requirements

ACCESSORIES

MI/B501AP/IV Detector and AV standard base
SMK400EAP-IV Deep base for MI/B501AP/IV

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	15 ... 28 V DC	MAX. WIRE GUAGE	2.5 sqmm
LED CURRENT	3.5 mA @ 24 V DC	WEIGHT	88 g
REMOTE OUTPUT CURRENT	10.8 mA @ 24 V DC	COLOR	Ivory
TEMPERATURE RANGE	-30°C ... +70°C	DIMENSION	ø: 102 mm (with base MI/B501AP/IV) H: 61 mm (with base MI/B501AP/IV)
REMOTE OUTPUT VOLTAGE	22.5 V DC @ 24 V DC input	MATERIAL	PC / ABS
HUMIDITY	10 ... 93% (non-condensing)	MAXIMUM STANDBY CURRENT	200 uA @ 24 V DC (no LED blink) 300 uA @ 24 V DC (LED blink enabled)

MORLEY-IAS IVORY, ROR HEAT DETECTOR WITH ISOLATOR

The detector uses the thermister 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).

The detector has two integral red LEDs that provide 360° local visual indication of the device status.

*Do not install detectors in locations where normal ambient temperature exceeds 50° C.

PART. NO HM-RHSE-I-AP

FEATURES

- Advanced protocol and smoothing filter to suppress false alarm
- Rotary decade address switches
- Analog addressable communication
- Dual integrated LED for 360° visibility
- Specification: EN54-5
- LPCB approved
- Environment friendly - meets RoHS legislative requirements

ACCESSORIES

MI/B501AP/IV Detector and AV standard base

SMK400EAP-IV Deep base for MI/B501AP/IV

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	15 ... 28 V DC	MAX. WIRE GUAGE	2.5 sqmm
LED CURRENT	3.5 mA @ 24 V DC	WEIGHT	88 g
REMOTE OUTPUT CURRENT	10.8 mA @ 24 V DC	COLOR	Ivory
TEMPERATURE RANGE	-30°C ... +70°C	DIMENSION	ø: 102 mm (with base MI/B501AP/IV) H: 61 mm (with base MI/B501AP/IV)
REMOTE OUTPUT VOLTAGE	22.5 V DC @ 24 V DC input	MATERIAL	PC / ABS
HUMIDITY	10 ... 93% (non-condensing)	MAXIMUM STANDBY CURRENT	200 uA @ 24 V DC (no LED blink) 300 uA @ 24 V DC (LED blink enabled)

MORLEY-IAS IVORY, MIAS 200 SERIES ADVANCE BASE

Low profile standard intelligent detector and AV devices Ivory base. Screw connections for cablings up to 2,5 mm, tamper option and address identification label.

PART. NO MI/B501AP/IV

SURFACE MOUNTING KIT, 22MM TUBE INLET, 10 PCS, IVORY

Low profile standard intelligent detector and AV devices Ivory base. Screw connections for cablings up to 2,5 mm, tamper option and address identification label.

PART. NO SMK400EAP-IV

MORLEY-IAS PURE WHITE, LOW PROFILE OPTICAL SMOKE SENSOR WITH ISOLATOR

The MI-PSE-S2I 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.

PART. NO MI-PSE-S2I

FEATURES

- New mechanical platform with revolutionary chamber
- Improved false alarm immunity
- Improved detection across multiple fire types
- Available with standard short circuit isolator
- 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

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	15 ... 28 V DC	WEIGHT	97g (with base)
ISOLATION CURRENT	15mA at 24VDC	COLOR	Pure white
TEMPERATURE RANGE	-30°C ... +70°C	DIMENSION	102 mm x 43 mm in base B501AP
HUMIDITY	10 ... 93% (non-condensing)	MATERIAL	PC / ABS
MAX WIRE GAUGE FOR TERMINALS	2.5mm²	MAXIMUM CONTINUOUS CURRENT	1A (Switch closed)

MORLEY-IAS PURE WHITE, SMOKE / HEAT / IR SENSOR WITH ISOLATOR

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.

PART. NO MI-PTIR-S2I

FEATURES

- New mechanical platform with revolutionary chamber
- Improved false alarm immunity
- Improved detection across multiple fire types
- Available with standard short circuit isolator
- 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

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	15 ... 28 V DC	WEIGHT	97g (with base)
ISOLATION CURRENT	15mA at 24VDC	COLOR	Pure white
TEMPERATURE RANGE	-30°C ... +70°C	DIMENSION	102 mm x 43 mm in base B501AP
HUMIDITY	10 ... 93% (non-condensing)	MATERIAL	PC / ABS
MAX WIRE GAUGE FOR TERMINALS	2.5mm²	MAXIMUM CONTINUOUS CURRENT	1A (Switch closed)

MORLEY-IAS PURE WHITE, PH/TH DETECTOR ISO

The multi-criteria multi-sensor MI-PTSE-S2I 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-S2I conforms to EN54-5, a 58°C fixed temperature and rate of rise thermal assistance conforming to EN54-7.

PART. NO MI-PTSE-S2I

FEATURES

- New mechanical platform with revolutionary chamber
- Improved false alarm immunity
- Improved detection across multiple fire types
- Available with standard short circuit isolator
- 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

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	15 ... 28 V DC	WEIGHT	97g (with base)
ISOLATION CURRENT	15mA at 24VDC	COLOR	Pure white
TEMPERATURE RANGE	-30°C ... +70°C	DIMENSION	102 mm x 43 mm in base B501AP
HUMIDITY	10 ... 93% (non-condensing)	MATERIAL	PC / ABS
MAX WIRE GAUGE FOR TERMINALS	2.5mm²	MAXIMUM CONTINUOUS CURRENT	1A (Switch closed)

MORLEY-IAS PURE WHITE, THERMAL 58 °C & ROR (TYPE A1R) WITH ISOLATOR

The MI-RHSE-S2I 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.

PART. NO MI-RHSE-S2I

FEATURES

- New mechanical platform with revolutionary chamber
- Improved false alarm immunity
- Improved detection across multiple fire types
- Available with standard short circuit isolator
- 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

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	15 ... 28 V DC	WEIGHT	88g (with base)
ISOLATION CURRENT	15mA at 24VDC	COLOR	Pure white
TEMPERATURE RANGE	-30°C ... +70°C	DIMENSION	102 mm x 43 mm in base B501AP
HUMIDITY	10 to 93% relative humidity (non-condensing)	MATERIAL	PC / ABS
MAX WIRE GAUGE FOR TERMINALS	2.5mm²	MAXIMUM CONTINUOUS CURRENT	1A (Switch closed)

MORLEY-IAS PURE WHITE, FIXED THERMAL 58°C (A1S) WITH ISOLATOR

The MI-FHSE-S2I 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).

PART. NO MI-FHSE-S2I

FEATURES

- New mechanical platform with revolutionary chamber
- Improved false alarm immunity
- Improved detection across multiple fire types
- Available with standard short circuit isolator
- 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

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	15 ... 28 V DC	WEIGHT	88g (without base)
ISOLATION CURRENT	15mA at 24VDC	COLOR	Pure white
TEMPERATURE RANGE	-30°C ... +70°C	DIMENSION	102 mm x 43 mm in base B501AP
HUMIDITY	10 to 93% relative humidity (non-condensing)	MATERIAL	PC / ABS
MAX WIRE GAUGE FOR TERMINALS	2.5mm²	MAXIMUM CONTINUOUS CURRENT	1A (Switch closed)

MORLEY-IAS PURE WHITE, FIXED THERMAL 78°C (BS) WITH ISOLATOR

The MI-HTSE-S2I 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).

PART. NO MI-HTSE-S2I

FEATURES

- New mechanical platform with revolutionary chamber
- Improved false alarm immunity
- Improved detection across multiple fire types
- Available with standard short circuit isolator
- 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

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	15 ... 28 V DC	WEIGHT	88g (without base)
ISOLATION CURRENT	15mA at 24VDC	COLOR	Pure white
TEMPERATURE RANGE	-30°C ... +70°C	DIMENSION	102 mm x 43 mm in base B501AP
HUMIDITY	10 to 93% relative humidity (non-condensing)	MATERIAL	PC / ABS
MAX WIRE GAUGE FOR TERMINALS	2.5mm²	MAXIMUM CONTINUOUS CURRENT	1A (Switch closed)

MORLEY-IAS PURE WHITE, STANDARD MOUNTING BASE

Low profile standard intelligent detector and AV devices white base.

Screw connections for cablings up to 2,5 mm, tamper option and address identification label.

PART. NO B501AP

SURFACE MOUNTING KIT 22MM TUBE INLET, 10 PCS, PURE WHITE

Surface mounting deep base for cable conduits up to 20 mm for B501AP in white color.

PART. NO SMK400EAP

PARALLEL INDICATOR FOR THE MORLEY-IAS DETECTORS

Steady light LED repeater for analog fire detectors with high efficiency, small dimensions and low power consumption. The repeater is directly controlled by the detector and makes it possible to immediately locate the detector it is connected to.

Possible installation: flush mounting, wall mounting and ceiling mounting.

PART. NO INDICATOR

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	2.5 to 3.5 VDC	PROTECTION	IP43
MAXIMUM CURRENT	20 mA	WEIGHT	27 g (net weight per unit)
WORKING TEMPERATURE	-10 °C to +70 °C	DIMENSION	L: 86 mm W: 46.3 mm H: 21.9 mm
STORAGE TEMPERATURE	-10 °C to +70 °C	MAX CABLE SECTION	1.5 mm^2

PHOTO DETECTOR

The Morley-IAS Wireless Smoke detector forms part of the Agile range of products that cover a wide range of applications where wiring is undesired.

The wireless platform is powered by robust mesh network technology providing up to two communication paths to each wireless device. This makes the network highly reliable, protecting against broken communication links.

Mesh network technology enables flexible and economic installations in a wide variety of building footprints.

PART. NO 22051E-RF

FEATURES

- Wireless mesh network bidirectional communication technology
- Two communication paths to each wireless device
- 18RF channels at 865Mhz-870Mhz
- 2 integrated antennas on each wireless fire device
- Up to 400m free air communication range
- Up to 5 years average battery service life
- Morley-IAS Protocol loop communication
- Addresses set using rotary switches
- Wired fire devices look and feel
- Patented battery service life prediction feature
- Loop powered gateway
- Up to 32 wireless detector/devices per gateway
- Agile IQ Easy wireless system design, configuration and diagnostics

TECHNICAL SPECIFICATION

RADIO FREQUENCY	865-870 Mhz	DIAMETER	102mm
TRANSMITTING POWER	<25mW e.r.p.	WEIGHT (WITH BATTERIES)	196g
SUPPLY	4x CR123A 3V Batteries	HUMIDITY (NO CONDENSATION)	10 to 93 %RH
HEIGHT	70mm (with B501RF base)	OPERATING TEMPERATURE	-30 to 60 °C

MULTI-CRITERIA: PHOTO-THERMAL-IR DETECTOR

The Morley-IAS Wireless Multi-criteria Smoke detector forms part of the Agile range of products that cover a wide range of applications where wiring is undesired.

The wireless platform is powered by robust mesh network technology providing up to two communication paths to each wireless device. This makes the network highly reliable, protecting against broken communication links.

Mesh network technology enables flexible and economic installations in a wide variety of building footprints.

PART. NO 22051TLE-RF

FEATURES

- Wireless mesh network bidirectional communication technology
- Two communication paths to each wireless device
- 18RF channels at 865Mhz-870Mhz
- 2 integrated antennas on each wireless fire device
- Up to 400m free air communication range
- Up to 5 years average battery service life
- Morley-IAS Protocol loop communication
- Addresses set using rotary switches
- Wired fire devices look and feel
- Patented battery service life prediction feature
- Loop powered gateway
- Up to 32 wireless detector/devices per gateway
- Agile IQ Easy wireless system design, configuration and diagnostics

TECHNICAL SPECIFICATION

RADIO FREQUENCY	865-870 Mhz	DIAMETER	102mm
TRANSMITTING POWER	<25mW e.r.p.	WEIGHT (WITH BATTERIES)	200g
SUPPLY	4x CR123A 3V Batteries	HUMIDITY (NO CONDENSATION)	10 to 93 %RH
HEIGHT	70mm (with B501RF base)	OPERATING TEMPERATURE	-30 to 60 °C

58° C FIXED TEMPERATURE HEAT DETECTOR

The Morley-IAS Wireless Thermal detector forms part of the Agile range of products that cover a wide range of applications where wiring is undesired.

The wireless platform is powered by robust mesh network technology providing up to two communication paths to each wireless device.

This makes the network highly reliable, protecting against broken communication links. Mesh network technology enables flexible and economic installations in a wide variety of building footprints.

PART. NO 52051E-RF

FEATURES

- Wireless mesh network bidirectional communication technology
- Two communication paths to each wireless device
- 18RF channels at 865Mhz-870Mhz
- 2 integrated antennas on each wireless fire device
- Up to 400m free air communication range
- Up to 5 years average battery service life
- Morley-IAS Protocol loop communication
- Addresses set using rotary switches
- Wired fire devices look and feel
- Patented battery service life prediction feature
- Loop powered gateway
- Up to 32 wireless detector/devices per gateway
- Agile IQ Easy wireless system design, configuration and diagnostics

TECHNICAL SPECIFICATION

RADIO FREQUENCY	865-870 Mhz	DIAMETER	102mm
TRANSMITTING POWER	<25mW e.r.p.	WEIGHT (WITH BATTERIES)	190g
SUPPLY	4x CR123A 3V Batteries	HUMIDITY (NO CONDENSATION)	10 to 93 %RH
HEIGHT	70mm (with B501RF base)	OPERATING TEMPERATURE	-30 to 60 °C

RATE OF RISE HEAT DETECTOR

The Morley-IAS Wireless Thermal detector forms part of the Agile range of products that cover a wide range of applications where wiring is undesired.

The wireless platform is powered by robust mesh network technology providing up to two communication paths to each wireless device.

This makes the network highly reliable, protecting against broken communication links. Mesh network technology enables flexible and economic installations in a wide variety of building footprints.

PART. NO 52051E-RF

FEATURES

- Wireless mesh network bidirectional communication technology
- Two communication paths to each wireless device
- 18RF channels at 865Mhz-870Mhz
- 2 integrated antennas on each wireless fire device
- Up to 400m free air communication range
- Up to 5 years average battery service life
- Morley-IAS Protocol loop communication
- Addresses set using rotary switches
- Wired fire devices look and feel
- Patented battery service life prediction feature
- Loop powered gateway
- Up to 32 wireless detector/devices per gateway
- Agile IQ Easy wireless system design, configuration and diagnostics

TECHNICAL SPECIFICATION

RADIO FREQUENCY	865-870 Mhz	DIAMETER	102mm
TRANSMITTING POWER	<25mW e.r.p.	WEIGHT (WITH BATTERIES)	190g
SUPPLY	4x CR123A 3V Batteries	HUMIDITY (NO CONDENSATION)	10 to 93 %RH
HEIGHT	70mm (with B501RF base)	OPERATING TEMPERATURE	-30 to 60 °C

WIRELESS SENSOR BASE

The Morley-IAS Wireless detector base forms part of the Agile range of products that cover a wide range of applications where wiring is undesired. The wireless platform is powered by robust mesh network technology providing up to two communication paths to each wireless device.

This makes the network highly reliable, protecting against broken communication links. Mesh network technology enables flexible and economic installations in a wide variety of building footprints.

PART. NO B501RF

FEATURES

- Wireless mesh network bidirectional communication technology
- Two communication paths to each wireless device
- 18RF channels at 865Mhz-870Mhz
- 2 integrated antennas on each wireless fire device
- Up to 400m free air communication range
- Up to 5 years average battery service life
- Morley-IAS Protocol loop communication
- Addresses set using rotary switches
- Wired fire devices look and feel
- Patented battery service life prediction feature
- Loop powered gateway
- Up to 32 wireless detector/devices per gateway
- Agile IQ Easy wireless system design, configuration and diagnostics

TECHNICAL SPECIFICATION

HEIGHT	32mm	DIAMETER	107mm
WEIGHT (WITH BATTERIES)	48g	HUMIDITY (NO CONDENSATION)	10 to 93 %RH
OPERATING TEMPERATURE	-30 to 60 °C		

WIRELESS SENSOR BASE - RED COLOUR

The Morley-IAS Wireless detector base forms part of the Agile range of products that cover a wide range of applications where wiring is undesired. The wireless platform is powered by robust mesh network technology providing up to two communication paths to each wireless device.

This makes the network highly reliable, protecting against broken communication links. Mesh network technology enables flexible and economic installations in a wide variety of building footprints.

PART. NO B501RF-RR

FEATURES

- Wireless mesh network bidirectional communication technology
- Two communication paths to each wireless device
- 18RF channels at 865Mhz-870Mhz
- 2 integrated antennas on each wireless fire device
- Up to 400m free air communication range
- Up to 5 years average battery service life
- Morley-IAS Protocol loop communication
- Addresses set using rotary switches
- Wired fire devices look and feel
- Patented battery service life prediction feature
- Loop powered gateway
- Up to 32 wireless detector/devices per gateway
- Agile IQ Easy wireless system design, configuration and diagnostics

TECHNICAL SPECIFICATION

HEIGHT	32mm	DIAMETER	107mm
WEIGHT (WITH BATTERIES)	48g	HUMIDITY (NO CONDENSATION)	10 to 93 %RH
OPERATING TEMPERATURE	-30 to 60 °C		

WIRELESS GATEWAY

The Morley-IAS Wireless Gateway forms part of the Agile range of products that cover a wide range of applications where wiring is undesired, connecting the The wireless platform is powered by robust mesh network technology providing up to two communication paths to each wireless device. This makes the network highly reliable, protecting against broken communication links.

Mesh network technology enables flexible and economic installations in a wide variety of building footprints.Agile range of products into System Sensor protocol loops.

PART. NO MI-GATE

FEATURES

- Wireless mesh network bidirectional communication technology
- Two communication paths to each wireless device
- 18RF channels at 865Mhz-870Mhz
- 2 integrated antennas on each wireless fire device
- Up to 400m free air communication range
- Up to 5 years average battery service life
- Morley-IAS Protocol loop communication
- Addresses set using rotary switches
- Wired fire devices look and feel
- Patented battery service life prediction feature
- Loop powered gateway
- Up to 32 wireless detector/devices per gateway
- Agile IQ Easy wireless system design, configuration and diagnostics

TECHNICAL SPECIFICATION

RADIO FREQUENCY	865-870 Mhz	HEIGHT	42mm (with B501AP base)
TRANSMITTING POWER	<25mW e.r.p.	DIAMETER	102mm
SUPPLY	24V Stand by Current: 230µA	WEIGHT (WITH BATTERIES)	90g
HUMIDITY (NO CONDENSATION)	10 to 93 %RH	OPERATING TEMPERATURE	-30 to 60 °C

USB WIRELESS DONGLE

The Morley-IAS Wireless USB Dongle forms part of the Agile range of products that cover a wide range of applications where wiring is undesired.

The wireless platform is powered by robust mesh network technology providing up to two communication paths to each wireless device.

This makes the network highly reliable, protecting against broken communication links. Mesh network technology enables flexible and economic installations in a wide variety of building footprints.

PART. NO MI-RF-USB-PRO

FEATURES

- Wireless mesh network bidirectional communication technology
- Two communication paths to each wireless device
- 18RF channels at 865Mhz-870Mhz
- 2 integrated antennas on each wireless fire device
- Up to 400m free air communication range
- Up to 5 years average battery service life
- Morley-IAS Protocol loop communication
- Addresses set using rotary switches
- Wired fire devices look and feel
- Patented battery service life prediction feature
- Loop powered gateway
- Up to 32 wireless detector/devices per gateway
- Agile IQ Easy wireless system design, configuration and diagnostics

TECHNICAL SPECIFICATION

RADIO FREQUENCY	865-870 Mhz	**WEIGHT (WITH BATTERIES)**	19,5g
TRANSMITTING POWER	<25mW e.r.p.	**HUMIDITY (NO CONDENSATION)**	10 to 93 %RH
SUPPLY	USB connector type A 5V Average Current: 33mA	**OPERATING TEMPERATURE**	0 to 50 °C
DIMENSIONS (HXLXD)	13mm x 96,2mm x 31,2mm		

WIRELESS REPEATER

The Morley-IAS Wireless Repeater forms part of the Agile range of products that cover a wide range of applications where wiring is undesired, connecting the Agile range of products into System Sensor protocol loops. The wireless platform is powered by robust mesh network technology providing up to two communication paths to each wireless device. This makes the network highly reliable, protecting against broken communication links.

Mesh network technology enables flexible and economic installations in a wide variety of building footprints.

PART. NO M200F-RF

FEATURES

- Wireless mesh network bidirectional communication technology
- Two communication paths to each wireless device
- 18RF channels at 865Mhz-870Mhz
- 2 integrated antennas on each wireless fire device
- Up to 400m free air communication range
- Up to 5 years average battery service life
- Morley-IAS Protocol loop communication
- Addresses set using rotary switches
- Wired fire devices look and feel
- Patented battery service life prediction feature
- Loop powered gateway
- Up to 32 wireless detector/devices per gateway
- Agile IQ Easy wireless system design, configuration and diagnostics

TECHNICAL SPECIFICATION

RADIO FREQUENCY	865-870 Mhz	WEIGHT (WITH BATTERIES)	100g
TRANSMITTING POWER	<25mW e.r.p.	HUMIDITY (NO CONDENSATION)	10 to 93 %RH
SUPPLY	2x CR123A 3V Batteries	OPERATING TEMPERATURE	10 to 60 °C
DIMENSIONS (HXLXD)	51mm x 95mm x 37mm		

REMOTE INDICATOR

The Morley-IAS Wireless Fire Detection System is a newly designed platform of wireless fire devices suitable for all applications where wired fire devices cannot be installed for economic or aesthetic reasons. The wireless platform is powered by robust mesh network technology providing up to two communication paths to each wireless device.

This makes the network highly reliable, protecting against broken communication links. Mesh network technology enables flexible and economic installations in a wide variety of building footprints.

PART. NO M200I-RF

FEATURES

- Wireless mesh network bidirectional communication technology
- Two communication paths to each wireless device
- 18RF channels at 865Mhz-870Mhz
- 2 integrated antennas on each wireless fire device
- Up to 400m free air communication range
- Up to 5 years average battery service life
- Morley-IAS Protocol loop communication
- Addresses set using rotary switches
- Wired fire devices look and feel
- Patented battery service life prediction feature
- Loop powered gateway
- Up to 32 wireless detector/devices per gateway
- Agile IQ Easy wireless system design, configuration and diagnostics

TECHNICAL SPECIFICATION

RADIO FREQUENCY	865-870 Mhz	WEIGHT (WITH BATTERIES)	100g
TRANSMITTING POWER	<25mW e.r.p.	HUMIDITY (NO CONDENSATION)	10 to 93 %RH
SUPPLY	2x CR123A 3V Batteries	OPERATING TEMPERATURE	10 to 60 °C
DIMENSIONS (HXLXD)	51mm x 95mm x 37mm		

I/O MODULE

The Morley-IAS Wireless Input/Output Module forms part of the Agile range of products that cover a wide range of applications where wiring is undesired.

The wireless platform is powered by robust mesh network technology providing up to two communication paths to each wireless device.

This makes the network highly reliable, protecting against broken communication links. Mesh network technology enables flexible and economic installations in a wide variety of building footprints.

PART. NO M211E-RF

FEATURES

- Wireless mesh network bidirectional communication technology
- Two communication paths to each wireless device
- 18RF channels at 865Mhz-870Mhz
- 2 integrated antennas on each wireless fire device
- Up to 400m free air communication range
- Up to 5 years average battery service life
- Morley-IAS Protocol loop communication
- Addresses set using rotary switches
- Wired fire devices look and feel
- Patented battery service life prediction feature
- Loop powered gateway
- Up to 32 wireless detector/devices per gateway
- Agile IQ Easy wireless system design, configuration and diagnostics

TECHNICAL SPECIFICATION

RADIO FREQUENCY	865-870 Mhz	WEIGHT (WITH BATTERIES)	317g
TRANSMITTING POWER	<25mW e.r.p.	HUMIDITY (NO CONDENSATION)	5 to 93 %RH
SUPPLY	2x CR123A 3V Batteries	OPERATING TEMPERATURE	-20 to 60 °C
DIMENSIONS (HXLXD)	125mm x 125mm x 58mm		

WATERPROOF MANUAL CALL POINT

The Morley-IAS Wireless MCP Call Point forms part of the Agile range of products that cover a wide range of applications where wiring is undesired.

The wireless platform is powered by robust mesh network technology providing up to two communication paths to each wireless device.

This makes the network highly reliable, protecting against broken communication links. Mesh network technology enables flexible and economic installations in a wide variety of building footprints.

PART. NO R5A-RF

FEATURES

- Wireless mesh network bidirectional communication technology
- Two communication paths to each wireless device
- 18RF channels at 865Mhz-870Mhz
- 2 integrated antennas on each wireless fire device
- Up to 400m free air communication range
- Up to 5 years average battery service life
- Morley-IAS Protocol loop communication
- Addresses set using rotary switches
- Wired fire devices look and feel
- Patented battery service life prediction feature
- Loop powered gateway
- Up to 32 wireless detector/devices per gateway
- Agile IQ Easy wireless system design, configuration and diagnostics

TECHNICAL SPECIFICATION

RADIO FREQUENCY	865-870 Mhz	WEIGHT (WITH BATTERIES)	318g
TRANSMITTING POWER	<25mW e.r.p.	HUMIDITY (NO CONDENSATION)	10 to 93 %RH
SUPPLY	4x CR123A 3V Batteries	OPERATING TEMPERATURE	-30 to 60 °C
DIMENSIONS (HXLXD)	94mm x 99mm x 71mm		

WALL MOUNTED ADDRESSABLE SOUNDER RED

The Morley-IAS Wireless Sounder forms part of the Agile range of products that cover a wide range of applications where wiring is undesired.

The wireless platform is powered by robust mesh network technology providing up to two communication paths to each wireless device.

This makes the network highly reliable, protecting against broken communication links.

Mesh network technology enables flexible and economic installations in a wide variety of building footprints.

PART. NO WSO-RR-RF

FEATURES

- Wireless mesh network bidirectional communication technology
- Two communication paths to each wireless device
- 18RF channels at 865Mhz-870Mhz
- 2 integrated antennas on each wireless fire device
- Up to 400m free air communication range
- Up to 5 years average battery service life
- Morley-IAS Protocol loop communication
- Addresses set using rotary switches
- Wired fire devices look and feel
- Patented battery service life prediction feature
- Loop powered gateway
- Up to 32 wireless detector/devices per gateway
- Agile IQ Easy wireless system design, configuration and diagnostics

TECHNICAL SPECIFICATION

RADIO FREQUENCY	865-870 Mhz	WEIGHT (WITH BATTERIES)	373g
TRANSMITTING POWER	<25mW e.r.p.	HUMIDITY (NO CONDENSATION)	10 to 93 %RH
SUPPLY	4x CR123A 3V Batteries	OPERATING TEMPERATURE	-30 to 60 °C
HEIGHT	75mm (with B501RF base)	DIAMETER	121mm

WALL MOUNTED ADDR. SOUNDER WHITE

The Morley-IAS Wireless Sounder forms part of the Agile range of products that cover a wide range of applications where wiring is undesired.

The wireless platform is powered by robust mesh network technology providing up to two communication paths to each wireless device.

This makes the network highly reliable, protecting against broken communication links.

Mesh network technology enables flexible and economic installations in a wide variety of building footprints.

PART. NO WSO-WW-RF

FEATURES

- Wireless mesh network bidirectional communication technology
- Two communication paths to each wireless device
- 18RF channels at 865Mhz-870Mhz
- 2 integrated antennas on each wireless fire device
- Up to 400m free air communication range
- Up to 5 years average battery service life
- Morley-IAS Protocol loop communication
- Addresses set using rotary switches
- Wired fire devices look and feel
- Patented battery service life prediction feature
- Loop powered gateway
- Up to 32 wireless detector/devices per gateway
- Agile IQ Easy wireless system design, configuration and diagnostics

TECHNICAL SPECIFICATION

RADIO FREQUENCY	865-870 Mhz	WEIGHT (WITH BATTERIES)	373g
TRANSMITTING POWER	<25mW e.r.p.	HUMIDITY (NO CONDENSATION)	10 to 93 %RH
SUPPLY	4x CR123A 3V Batteries	OPERATING TEMPERATURE	-30 to 60 °C
HEIGHT	75mm (with B501RF base)	DIAMETER	121mm

WALL MOUNTED SOUNDER VAD, RED LED, RED LENS

The Morley-IAS Wireless Sounder Strobe forms part of the Agile range of products that cover a wide range of applications where wiring is undesired.

The wireless platform is powered by robust mesh network technology providing up to two communication paths to each wireless device.

This makes the network highly reliable, protecting against broken communication links. Mesh network technology enables flexible and economic installations in a wide variety of building footprints.

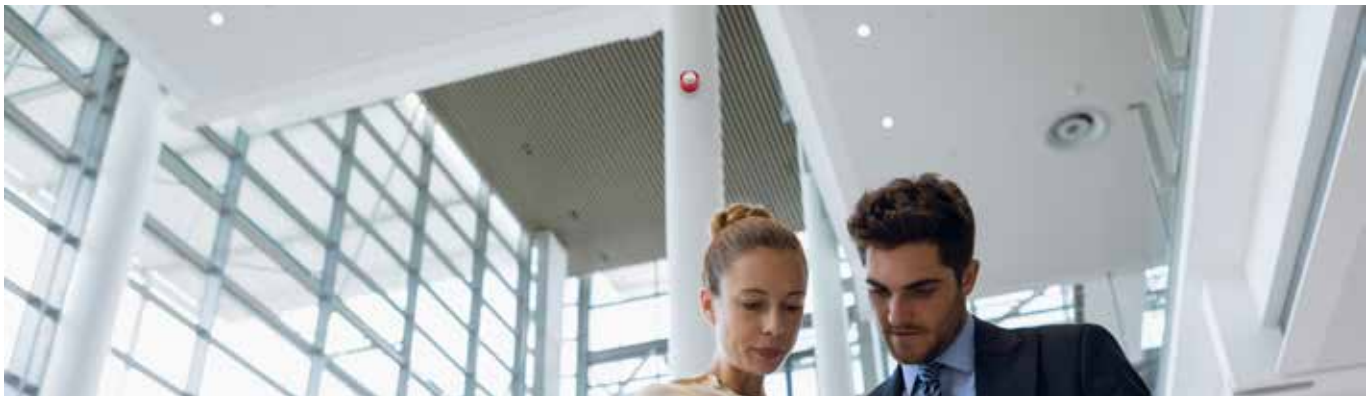
PART. NO WSF-RR-RF

FEATURES

- Wireless mesh network bidirectional communication technology
- Two communication paths to each wireless device
- 18RF channels at 865Mhz-870Mhz
- 2 integrated antennas on each wireless fire device
- Up to 400m free air communication range
- Up to 5 years average battery service life
- Morley-IAS Protocol loop communication
- Addresses set using rotary switches
- Wired fire devices look and feel
- Patented battery service life prediction feature
- Loop powered gateway
- Up to 32 wireless detector/devices per gateway
- Agile IQ Easy wireless system design, configuration and diagnostics

TECHNICAL SPECIFICATION

RADIO FREQUENCY	865-870 Mhz	WEIGHT (WITH BATTERIES)	430g
TRANSMITTING POWER	<25mW e.r.p.	HUMIDITY (NO CONDENSATION)	10 to 93 %RH
SUPPLY	4x CR123A 3V Batteries	OPERATING TEMPERATURE	-30 to 55 °C
HEIGHT	97mm (with B501RF base)	DIAMETER	121mm



WALL MOUNTED SOUNDER VAD, RED LED, CLEAR LENS

The Morley-IAS Wireless Sounder Strobe forms part of the Agile range of products that cover a wide range of applications where wiring is undesired.

The wireless platform is powered by robust mesh network technology providing up to two communication paths to each wireless device.

This makes the network highly reliable, protecting against broken communication links. Mesh network technology enables flexible and economic installations in a wide variety of building footprints.

PART. NO WSF-WR-RF

FEATURES

- Wireless mesh network bidirectional communication technology
- Two communication paths to each wireless device
- 18RF channels at 865Mhz-870Mhz
- 2 integrated antennas on each wireless fire device
- Up to 400m free air communication range
- Up to 5 years average battery service life
- Morley-IAS Protocol loop communication
- Addresses set using rotary switches
- Wired fire devices look and feel
- Patented battery service life prediction feature
- Loop powered gateway
- Up to 32 wireless detector/devices per gateway
- Agile IQ Easy wireless system design, configuration and diagnostics

TECHNICAL SPECIFICATION

RADIO FREQUENCY	865-870 Mhz	WEIGHT (WITH BATTERIES)	430g
TRANSMITTING POWER	<25mW e.r.p.	HUMIDITY (NO CONDENSATION)	10 to 93 %RH
SUPPLY	4x CR123A 3V Batteries	OPERATING TEMPERATURE	-30 to 55 °C
HEIGHT	97mm (with B501RF base)	DIAMETER	121mm

SPECIAL DETECTORS & ACCESORIES

DUCT DETECTION

DETECTOR HOUSING FOR DUCT MOUNTING (DOES NOT INCLUDE DETECTOR AND SAMPLING TUBE)

The Honeywell Morley-IAS Series duct smoke detectors sense smoke in the most challenging conditions, operating in airflow speeds of 0.5m/s to 20m/ sec, temperatures of 0°C to 70°C, and a humidity range of 0 to 95 percent (non-condensing).

An improved cover design isolates the detector head from the low-flow feature for simple maintenance.

The unit incorporates cover tamper feature to indicare a trouble signal for a removed or improperly installed sensor cover. The duct detector housing provides a 20mm conduit knockout and ample space to facilitate easy wiring and mounting of relay module.

PART. NO DNRE

FEATURES

- Photolelectric, integrated low-flow technology
- Includes detector base
- Air velocity rating from 0.5m/s to 20m/sec
- Versatile mounting options: square or rectangular configuration
- Broad ranges for operating temperature 0°C to 70°C and humidity (0% to 95% non-condensing)
- Patented (18mm diameter) sampling tube installs from front or back of the detector with no tools required, with lengths from 30 to 325,5mm
- Cover tamper signal
- 20mm conduit knockout for easy wiring access
- Available space within housing to accommodate mounting of relay module
- Clear cover for convenient visual inspection

TECHNICAL SPECIFICATION

DIMENSION	H: 37 mm W: 12.7 mm D: 6.36 mm (rectangular) H: 19.7 mm W: 22.9 mm D: 6.36 mm (square)
WEIGHT	0.82 KG
STORAGE TEMPERATURE	0°C ... 70°C
OPERATING TEMPERATURE	0°C ...70°C
OPERATING HUMIDITY	0% ... 95% (non-condensing)
POWER SUPPLY VOLTAGE	8.5 ... 35 V DC
INPUT CAPACITANCE	0.1 uF max.
RESET VOLTAGE	2.5 V DC min
PEAK STANDBY CURRENT	120 uA
AIR DUCT VELOCITY	0.5 ... 20 m/sec

SPECIAL DETECTORS & ACCESORIES

DUCT DETECTION

SAMPLING TUBE 12” WITH HOLES

DNRE inlet 30 cm sampling tube for air duct detection with sample holes and end cap.

PART. NO DST1

SAMPLING TUBE 1.5’ WITH HOLES

DNRE inlet 45,7 cm sampling tube for air duct detection with sample holes and end cap.

PART. NO DST1.5

INLET SAMPLING TUBE (325.5 CM)

DNRE inlet 325,5 cm sampling tube for air duct detection with sample holes and end cap.

PART. NO DST10

SAMPLING TUBE 3M WITH HOLES

DNRE inlet 91,6 cm sampling tube for air duct detection with sample holes and end cap.

PART. NO DST3

SAMPLING TUBE 5M WITH HOLES

DNRE inlet 152 cm sampling tube for air duct detection with sample holes and end cap.

PART. NO DST5

CONVENTIONAL ADVANCED DETECTION UNIT, FAAST FLEX 1-PIPE STAND ALONE

FAAST FLEX allows a high degree of flexibility through pre-engineered pipe network designs, and true out-of-the-box operation with a built-in user-friendly configuration and control mechanism.

It can be configured and commissioned using a 10-line dip-switch arrangement without the need for a special tool. It is the solution for a wide range of applications such as small to medium warehouses, cold storage, elevator shafts, ceiling and underfloor voids, transformer and electrical rooms, rest rooms and the like.

PART. NO FLX-010

FEATURES

- Pipe length up to 270m (with enhanced configuration via Software)
- Class A, B, C performance allowing: 5, 15, 32 holes
- An ultrasonic flow sensing element per chamber for accurate and reliable flow detection
- A metallic mesh filter per chamber for optics protection and improved detector longevity
- Action, Alarm and Fault relays per channel for connection to FACP and BMS systems
- Simplified and intuitive LEDs user interface for immediate status indication
- Pre-engineered pipe networks for hassle-free and expedient design and installation
- Quiet operation (30db) with adjustable fan speed to suit various environments
- Suitable for cold storage environments with -40 °C operating temperature

TECHNICAL SPECIFICATION

SUPPLY VOLTAGE	24Vdc (18 - 30Vdc)	DIMENSIONS (W X H X D)	280 x 205 x 80.5 mm
POWER CONSUMPTION	max. 400mA @24Vdc	OPERATING TEMPERATURE	-40 ° C to +55 ° C
RELAYS OUTPUT	3 per channel, Action, Alarm and Fault 2A @30V	SAMPLED AIR TEMPERATURE	-40 ° C to +55 ° C
SENSITIVITY RANGE	0.05%obs/m to 6.56%obs/m	HUMIDITY	10% - 93% non-condensing
SAMPLING HOLES	A: 5, B: 15, C: 32	WEIGHT	1.7 KG
PROTECTION CLASS	IP40		

CONVENTIONAL ADVANCED DETECTION UNIT, FAAST FLEX 2-PIPE STAND ALONE

FAAST FLEX allows a high degree of flexibility through pre-engineered pipe network designs, and true out-of-the-box operation with a built-in user-friendly configuration and control mechanism. It can be configured and commissioned using a 10-line dip-switch arrangement without the need for a special tool.

It is the solution for a wide range of applications such as small to medium warehouses, cold storage, elevator shafts, ceiling and underfloor voids, transformer and electrical rooms, rest rooms and the like.

PART. NO FLX-020

FEATURES

- Pipe length up to 420m (with enhanced configuration via Software)
- Class A, B, C performance allowing: 5, 15, 32 holes
- An ultrasonic flow sensing element per chamber for accurate and reliable flow detection
- A metallic mesh filter per chamber for optics protection and improved detector longevity
- Action, Alarm and Fault relays per channel for connection to FACP and BMS systems
- Simplified and intuitive LEDs user interface for immediate status indication
- Pre-engineered pipe networks for hassle-free and expedient design and installation
- Quiet operation (30db) with adjustable fan speed to suit various environments
- Suitable for cold storage environments with -40°C operating temperature

TECHNICAL SPECIFICATION

SUPPLY VOLTAGE	24Vdc (18 - 30Vdc)	DIMENSIONS (W X H X D)	280 x 205 x 80.5 mm
POWER CONSUMPTION	max. 450mA @24Vdc	OPERATING TEMPERATURE	-40 ° C to +55 ° C
RELAYS OUTPUT	3 per channel, Action, Alarm and Fault 2A @30V	SAMPLED AIR TEMPERATURE	-40 ° C to +55 ° C
SENSITIVITY RANGE	0.05%obs/m to 6.56%obs/m	HUMIDITY	10% - 93% non-condensing
SAMPLING HOLES	A: 8, B: 28, C: 56	WEIGHT	1.7 KG
PROTECTION CLASS	IP40		

SPARE PART FOR FAAST FLEX - SENSING MODULE

PART. NO FLX-SP-01

SPARE PART FOR FAAST FLEX - FAAST FLEX METAL FILTER (PACK OF 6)

PART. NO FLX-SP-02

SPARE PART FOR FAAST FLEX - FAAST FLEX FRONT COVER (EN)

PART. NO FLX-SP-03-EN

SPARE PART FOR FAAST FLEX - FAAST FLEX ASPIRATOR

PART. NO FLX-SP-04

SPARE PART FOR FAAST FLEX - FAAST FLEX INTERNAL COVER SET (EN)

PART. NO FLX-SP-05-EN

SPARE PART FOR FAAST FLEX - FAAST FLEX ADAPTOR SET

PART. NO FLX-SP-06

ADRESSABLE ADVANCED DETECTION UNIT, FAAST LT, SINGLE CHANNEL, 1 DETECTION CHAMBER, MORLEY-IAS LOOP

FAAST LT Aspirating Smoke Detector with one sensor and one channel to connect to the Honeywell Morley-IAS intelligent loop. Requires external power 24 V DC from EN54-4 PSU. The FAAST LT Aspirating Smoke Detector is designed with the installer and end user in mind. It serves the wide variety of Class C applications where maintenance is difficult, other smoke detection methods are inappropriate or prone to fail due to harsh Environments or Areas where aestthetics matters. It is also suitablefor smaller Mission critical applications where very early warning - Class A or B detection is required.

FAAST LT combines proven aspiration detection technologies to deliver reliable smoke detection and efficient installation and maintenance. The device includes high sensitivity laser fire detection, ultrasonic flow sensors, and internal design features to protect vulnerable components from environmental and human threats.

The device is fast to install and easy to commission thanks to PIPE IQ LT pipe design and configuration software which is included as standard. FAAST LT loop based devices are available as single channel and dual channel devices, offering flexibility for different detection strategies. A range of customizable settings are geared towards maximizing device performance and meeting different application needs. Loop capability allows standard device integration, maintenance and support consistent with all other Honeywell Morley-IAS loop devices.The detector provides alarm and fault relays with auxiliary events relay as an option. These can be set as latched or non-latched. To accommodate local installation standards or environments, flow and general fault delays can also be set.

PART. NO MI-FL2011EI-HS

FEATURES

- Multiple event logging up to 2240 events
- Rotary decade address switches
- Ultrasonic airflow sensing
- PipeIQ™LT software provides intuitive system layout and configuration all in one package
- User friendly air flow pendulum graph for verification of pipe network functionality
- Protected electronics from air flow and accidental damage during installation or maintenance
- Easily replaceable and reusable filter without affecting the rest of the device
- Designed for efficient wiring and installation: cable gland holes, easy access to the wiring area and no special tools required
- Easy access to parts requiring routine maintenance: filter(s) or sensors(s)
- Single & Dual channel versions with independent channels including fan, sensor and flow monitoring
- IP65 enclosure
- Specifications: EN54-20, EN54-17
- BRE approved

TECHNICAL SPECIFICATION

DIMENSION	H: 403 mm W: 356 mm D: 135 mm	POWER RESET	0.5 sec.
WEIGHT	6.5 KG	AVG. OPERATING CURRENT	200 mA @ 24 V DC (excl. sounders)
RELATIVE HUMIDITY	10 ... 93% (non-condensing)	MAX. AVG. OPERATING CURRENT	500 mA @ 24 V DC (excl. sounders)
OPERATING TEMPERATURE	-10°C ... 55°C	IP RATING	IP65
EXTERNAL SUPPLY VOLTAGE	18.5 ... 31.5 V DC	SENSITIVITY	0.06% ... 6% obs/m
REMOTE RESET TIME	1 sec.		

ADRESSABLE ADVANCED DETECTION UNIT, FAAST LT, SINGLE CHANNEL, 2 DETECTION CHAMBERS, MORLEY-IAS LOOP

FAAST LT Aspirating Smoke Detector with two sensor and one channel to connect to the Honeywell Morley-IAS intelligent loop.Requires external power 24 V DC from EN54-4 PSU. The FAAST LT Aspirating Smoke Detector is designed with the installer and end user in mind. It serves the wide variety of Class C applications where maintenance is difficult, other smoke detection methods are inappropriate or prone to fail due to harsh Environments or Areas where aestthetics matters. It is also suitablefor smaller Mission critical applications where very early warning - Class A or B detection is required.

FAAST LT combines proven aspiration detection technologies to deliver reliable smoke detection and efficient installation and maintenance. The device includes high sensitivity laser fire detection, ultrasonic flow sensors, and internal design features to protect vulnerable components from environmental and human threats.

The device is fast to install and easy to commission thanks to PIPE IQ LT pipe design and configuration software which is included as standard. FAAST LT loop based devices are available as single channel and dual channel devices, offering flexibility for different detection strategies. A range of customizable settings are geared towards maximizing device performance and meeting different application needs. Loop capability allows standard device integration, maintenance and support consistent with all other Honeywell Morley-IAS loop devices. The detector provides alarm and fault relays with auxiliary events relay as an option. These can be set as latched or non-latched. To accommodate local installation standards or environments, flow and general fault delays can also be set.

PART. NO MI-FL2012EI-HS

FEATURES

- Multiple event logging up to 2240 events
- Rotary decade address switches
- Ultrasonic airflow sensing
- PipeIQ™LT software provides intuitive system layout and configuration all in one package
- User friendly air flow pendulum graph for verification of pipe network functionality
- Protected electronics from air flow and accidental damage during installation or maintenance
- Easily replaceable and reusable filter without affecting the rest of the device
- Designed for efficient wiring and installation: cable gland holes, easy access to the wiring area and no special tools required
- Easy access to parts requiring routine maintenance: filter(s) or sensors(s)
- Single & Dual channel versions with independent channels including fan, sensor and flow monitoring
- IP65 enclosure
- Specifications: EN54-20, EN54-17
- BRE approved

TECHNICAL SPECIFICATION

DIMENSION	H: 403 mm W: 356 mm D: 135 mm	POWER RESET	0.5 sec.
WEIGHT	6.5 KG	AVG. OPERATING CURRENT	200 mA @ 24 V DC (excl. sounders)
RELATIVE HUMIDITY	10 ... 93% (non-condensing)	MAX. AVG. OPERATING CURRENT	500 mA @ 24 V DC (excl. sounders)
OPERATING TEMPERATURE	-10°C ... 55°C	IP RATING	IP65
EXTERNAL SUPPLY VOLTAGE	18.5 ... 31.5 V DC	SENSITIVITY	0.06% ... 6% obs/m
REMOTE RESET TIME	1 sec.		

ADRESSABLE ADVANCED DETECTION UNIT, FAAST LT, DUAL CHANNEL, 2 DETECTION CHAMBERS, MORLEY-IAS LOOP

FAAST LT Aspirating Smoke Detector with two sensor and two channel to connect to the Honeywell Morley-IAS intelligent loop. Requires external power 24 V DC from EN54-4 PSU. The FAAST LT Aspirating Smoke Detector is designed with the installer and end user in mind. It serves the wide variety of Class C applications where maintenance is difficult, other smoke detection methods are inappropriate or prone to fail due to harsh Environments or Areas where aestthetics matters. It is also suitablefor smaller Mission critical applications where very early warning - Class A or B detection is required.

FAAST LT combines proven aspiration detection technologies to deliver reliable smoke detection and efficient installation and maintenance. The device includes high sensitivity laser fire detection, ultrasonic flow sensors, and internal design features to protect vulnerable components from environmental and human threats.

The device is fast to install and easy to commission thanks to PIPE IQ LT pipe design and configuration software which is included as standard. FAAST LT loop based devices are available as single channel and dual channel devices, offering flexibility for different detection strategies. A range of customizable settings are geared towards maximizing device performance and meeting different application needs. Loop capability allows standard device integration, maintenance and support consistent with all other Honeywell Morley-IAS loop devices. The detector provides alarm and fault relays with auxiliary events relay as an option. These can be set as latched or non-latched. To accommodate local installation standards or environments, flow and general fault delays can also be set.

PART. NO MI-FL2022EI-HS

FEATURES

- Multiple event logging up to 2240 events
- Rotary decade address switches
- Ultrasonic airflow sensing
- PipeIQ™LT software provides intuitive system layout and configuration all in one package
- User friendly air flow pendulum graph for verification of pipe network functionality
- Protected electronics from air flow and accidental damage during installation or maintenance
- Easily replaceable and reusable filter without affecting the rest of the device
- Designed for efficient wiring and installation: cable gland holes, easy access to the wiring area and no special tools required
- Easy access to parts requiring routine maintenance: filter(s) or sensors(s)
- Single & Dual channel versions with independent channels including fan, sensor and flow monitoring
- IP65 enclosure
- Specifications: EN54-20, EN54-17
- BRE approved

TECHNICAL SPECIFICATION

DIMENSION	H: 403 mm W: 356 mm D: 135 mm	POWER RESET	0.5 sec.
WEIGHT	6.5 KG	AVG. OPERATING CURRENT	200 mA @ 24 V DC (excl. sounders)
RELATIVE HUMIDITY	10 ... 93% (non-condensing)	MAX. AVG. OPERATING CURRENT	500 mA @ 24 V DC (excl. sounders)
OPERATING TEMPERATURE	-10°C ... 55°C	IP RATING	IP65
EXTERNAL SUPPLY VOLTAGE	18.5 ... 31.5 V DC	SENSITIVITY	0.06% ... 6% obs/m
REMOTE RESET TIME	1 sec.		

EXTERNAL FILTER FAAST SYSTEM

External pipe filter for FAAST aspiration detection devices.

PART. NO F-INF-25

(EXTERNAL FILTER REPLACEMENT FILTER PACK (3 PCS

Replacement filter elements for external pipe filter F-INF-25.

PART. NO F-INF-25-RF

ANALOG SENSOR FOR MI-FL20XXEI-HS

Morley-IAS by Honeywell F-SEN-MI.
F-SEN-MI Analog sensor for MI-FL20xxEI-HS.

PART. NO F-SEN-MI

INTELLIGENT REFLECTIVE BEAM DETECTOR 10M TO 70M

The MI-LPB2-S3I is an addressable 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 an Infra-Red beam. Optical beam smoke detectors are particularly appropriate for protecting buildings with large open space such as warenhouse, atriums etc. MI-LPB2-S3I detector is a combined transmitter/receiver unit that can be directly connected to an analogue loop circuit. The Infra-Red transmitter generates a beam of light towards a hogh 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.

PART. NO MI-LPB2-S3I

FEATURES

- Addressable loop powered beam detector
- Rotary decade address switches
- 10-100m range (from 70 to 100 m requires 6500-LRK)
- 4 fixed sensitivity levels
- 2 automatic variable sensitivity modes
- Numerical indicators to aid beam alignment
- Standby, Fault and Alarm LED indicator
- Specifications: EN54-12, EN54-17
- BRE approved

ACCESSORIES 6500-LRK.....Long Range reflector kit (70-100m range)

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	15 ... 32 V DC	MATERIAL	Bayblend FR110 (trim), Lexan (lens cover), Noryl (back-box)
HUMIDITY RANGE	> 95% (non-condensing)	RATED VOLTAGE	24 V DC
DIMENSION	H: 254 mm W: 190 mm D: 84 mm (Tx/Rx Unit) H: 230 mm W: 200mm D: 84 mm (single, 10-70m range)	TYPICAL STANDBY CURRENT	2mA @ 24Vdc
WEIGHT	1.77 KG	MAX. ALARM CURRENT	8.5mA
TEMPERATURE RANGE	-30°C to +55°C	MAX. ALIGNMENT CURRENT	20 mA
MAX. WIRE GUAGE	2.5 sqmm	COLOR	White (Trim), black (back-box)

INTELLIGENT REFLECTIVE BEAM DETECTOR (SHORT)

The MI-LPB2-S3I-40 is an addressable 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 an Infra-Red beam. Optical beam smoke detectors are particularly appropriate for protecting buildings with large open space such as warenhouse, atriums etc. MI-LPB2-S3I-40 detector is a combined transmitter/receiver unit that can be directly connected to an analogue loop circuit. The Infra-Red transmitter generates a beam of light towards a hogh 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.

PART. NO MI-LPB2-S3I-40

FEATURES

- Addressable loop powered beam detector
- Rotary decade address switches
- max. 40m range
- 4 fixed sensitivity levels
- 2 automatic variable sensitivity modes
- Numerical indicators to aid beam alignment
- Standby, Fault and Alarm LED indicator
- Specifications: EN54-12, EN54-17
- BRE approved

ACCESSORIES 6500-LRK.....Long Range reflector kit (70-100m range)

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	15 ... 32 V DC	MATERIAL	Bayblend FR110 (trim), Lexan (lens cover), Noryl (back-box)
HUMIDITY RANGE	> 95% (non-condensing)	RATED VOLTAGE	24 V DC
DIMENSION	H: 254 mm W: 190 mm D: 84 mm (Tx/Rx Unit) H: 230 mm W: 200mm D: 84 mm (single, 10-70m range)	TYPICAL STANDBY CURRENT	2mA @ 24Vdc
WEIGHT	1.77 KG	MAX. ALARM CURRENT	8.5mA
TEMPERATURE RANGE	-30°C to +55°C	MAX. ALIGNMENT CURRENT	20 mA
MAX. WIRE GUAGE	2.5 sqmm	COLOR	White (Trim), black (back-box)

HIGH SENSITIVITY SPOT DETECTOR

The MI-LZR-S3I high sensitivity, high gain amplifier based intelligent smoke sensor is a unique offering from Morley-IAS that provides extremely high sensitivity to fire conditions, by detecting the earliest particles of combustion. This is achieved by combining a patented optical chamber with advanced high power output IR LED diode and precision optics technology, which is matched with a unique superior high gain IR receiver amplifier, enhancing the sensitivity of the device.

The chamber is supported by sophisticated processing circuitry and microprocessors that feature smoothing-filter algorithms to help eliminate transient environmental noise conditions, and reduce nuisance alarms.

PART. NO MI-LZR-S3I

FEATURES

- Extremely high sensitivity, high power output IR LED and high gain IR receiver amplifier based smoke sensor
- Superior early warning performance
- Effective response to both fast flaming liquid fires and slow smoldering fires
- New mechanical platform with patented chamber to maximize smoke entrance and false alarm immunity
- Improved resilience to false alarms through dust
- Removed risk of false alarms through insects
- Includes single pole short circuit isolation with status control
- Advanced Protocol
- Twin LED indicators providing 360° visibility, offering tri-color flashing option (red, green and amber colors)
- Rotary decade address switches
- Pure white color to compliment modern buildings

TECHNICAL SPECIFICATION

OPERATING VOLTAGE RANGE	15 to 32VDC	ADDITIONAL LOOP RESISTANCE	Typical 0.08 Ohm @24V (max 0.17 Ohm @ 15V)
MAXIMUM STANDBY CURRENT	250µA at 24VDC (no communications) 300µA at 24VDC (LED blink enabled, once every 5s)	REMOTE OUTPUT VOLTAGE	22.5VDC
LED CURRENT	Red: 3.5mA Green: 7.0mA Yellow: 10.5mA at 24VDC	REMOTE OUTPUT CURRENT	10.8mA @ 24Vdc
ISOLATION CURRENT	15mA at 24Vdc	ADDITIONAL LOOP RESISTANCE WITH BASE	typ 0.02 Ohm (max 0.03 Ohm)
MAXIMUM CONTINUOUS CURRENT	1A (Switch Closed) Voltage at 24VDC	OPERATING TEMPERATURE	-10°C to +55°C
MAX. WIRE GUAGE	2.5 sqmm	COLOR	White (Trim), black (back-box)
HUMIDITY	10 to 93% relative humidity (non-condensing)	HEIGHT	59 mm installed in base
AIR SPEED	0-20 m/s	DIAMETER	104mm
WEIGHT	110g	COLOUR	Pure White (RAL9010)
MAX WIRE GAUGE FOR TERMINALS	2.5mm^2	MATERIAL	PC/ABS FR

ACCESS BEAM CONV/L REFLECTOR 75M-100M

The BEAM-LRK kit contains 3 reflectors (200mm x 230mm).

In combination with the short range reflector supplied with the beam, the 4 reflectors mounted in square form one big reflector surface which extends the beam range over 70 m, up to a maximum distance of 100 m.

PART. NO	6500-LRK

OUTPUT MODULE 240V, MIAS, IN

The MI/D240CMO addressable output module provides a single double pole contact output for 240 V AC (nominal 220 V AC) to switches the power to external equipment.

The MI/D240CMO has built-in lop short circuit isolator and surface box for wall mount.

PART. NO MI/D240CMO

FEATURES

- Scope of Delivery
- Includes surface mounting box

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	15 ... 30 V DC
DIMENSION	H: 40 mm W: 139 mm D: 134 mm
WEIGHT	195 g
CURRENT CONSUMPTION	275 uA @ 24 V DC (no communications) 445 uA @ 24 V DC (one comms. every 5 sec. with LED blink enabled)
RELATIVE HUMIDITY	0 ... 95% (non-condensing)
RELAY SPECIFICATION	5 A @ 30 V DC, resistive Load 5 A @ 240 V AC, resistive Load
OPERATING TEMPERATURE	-20°C ... 60°C

CONVENTIONAL ZONE MODULE, MIAS, IN

MI/DCZRM addressable zone monitor module allows a zone of non-addressable devices to communicate with Honeywell Morley-IAS protocol analogue addressable system. As a result existing non-addressable zones can be integrated into a Honeywell Morley-IAS protocol system. The module monitors a zone of two-wire non-addresable devices.

A fault signal will be transmitted to the panel in case of an open circuit or short circuit on the non-addressable zone wiring or when the external fault input is pulled low (can be used for power supply monitoring). A flashing LED indicates that the module is in communication with the control panel. The LED latches steady on alarm (subject to current limitations).

PART. NO MI/DCZRM

FEATURES

- Connection of a zone of non-addressable detectors to an analogue addressable fire system
- Built in isolation allowing system installation in stages without loss of protection
- Rotary decade address switches
- Monitors open circuit and short circuit faults
- TRI-Color Status LED
- Zone powered from addressable loop wiring or external 24V PSU
- Remote reset of non-addressable zone
- Compatible with most non-addressable detectors, IS non-addresable detectors
- Monitoring of external power supply
- External fault input
- Specifications: EN54-17, EN54-18
- LPCB approved
- DIN rail mountable, consistent with all other modules
- Support for an extended power supply range as low as 18Vdc 60mA with an External PSU

ACCESSORIES

M200SMB Surface Mounting Box
M200E-DIN Surface mounting clip for single module
SMB6-V0 Surface mount box for 6 modules

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	18 ... 28.5 V DC	QUIESCENT CURRENT	375 uA @ 24 V DC
DIMENSION	H: 93 mm W: 83 mm D: 23 mm	RELATIVE HUMIDITY	5% ... 95% (non-condensing)
WEIGHT	110 g	MAX STANDBY CURRENT	288 uA (conventional Zone connected to external supply
TEMPERATURE RANGE	-20°C ... 60°C	END OF LINE RESISTOR	3.9 K

ISOLATOR MODULE, MIAS, IN

MI/DISO is intended to be spaced between groups of devices on a communication line to protect the line if a short circuit fault occurs. It automatically opens when the voltage in the communication line falls below a fixed threshold. If a short circuit fault occurs, the two isolattors located around the device group where the fault occured will sense the line voltage drop, open their switches and remove the devices from the rest of the line.

When the line voltage rises above the fixed threshold, the isolator module will detect the removal of the fault condition and automatically restore power to the isolated group of devices.

PART. NO MI/DISO

FEATURES

- Short-circuit isolation
- DIN rail mounting Option
- Tri-color LED status
- Plug-in connectors
- Specifications: EN54-17
- LPCB approved

ACCESSORIES

M200ESMB Surface Mounting Box
M200E-DIN Surface mounting clip for single module
SMB6-V0 Surface mount box for 6 modules

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	15 ... 30 V DC	TEMPERATURE RANGE	-20°C ... 60°C
DIMENSION	H: 93 mm W: 94 mm D: 23 mm	MAX. WIRE GUAGE	2.5 sqmm
WEIGHT	62 g	QUIESCENT CURRENT	200 uA @ 24 V DC
INGRESS PROTECTION	IP30 (IP50 in M200E-SMB)	RELATIVE HUMIDITY	0 ... 95% (non-condensing)

2 INPUT, 1 OUTPUT MODULE, MIAS, IN

The MI-D2ICMOE provide supervision of one input circuits respectively from external devices; it also provides an unmonitored single pole volt-free changeover contact for external devices. All modules feature a built-in short circuit isolator.

Input channels are capable of both latched and analogue supervision: there are three separate latched states, normal, open circuit and combined alarm/short.

The analogue supervision continuously monitors the supervised circuit, returning a signal proportional to the circuit resistance.

PART. NO MI/D2ICMOE

FEATURES

- Common mechanical platform for modules' enclosure
- Low standby current
- FACP reads module power voltage
- High Power Loop 48V ready
- Built-in short circuit isolators
- Addressability through rotary switches
- Tri-colour Light Pipe
- Improved Light Pipe visibility on two sides
- Plug-in field wiring terminals
- Integrated DIN rail brackets
- Lasered engraved label data
- IP rate 30
- Intertek Approved

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	15 ... 30 V DC	IP RATING	IP30 (IP44 in M200E-SMB)
MAXIMUM STANDBY CURRENT	140µA at 24VDC no communications	DIMENSIONS (HXLXW)	22 mm x 82 mm x 93 mm including terminal block
RELAY SPECIFICATIONS	2A at 30VDC, resistive load	WEIGHT	118g
OPERATION TEMPERATURE	-20°C to 60°C	MAXIMUM WIRE GAUGE FOR TERMINALS	2.5mm^2
RELATIVE HUMIDITY	5% to 95% (non-condensing)		

OUTPUT MODULE, MIAS, IN

The MI-DCMOE optionally supervises the wiring to the load devices and, upon command from the control panel, switches an external power supply to operate these devices. It also has built-in short circuit isolation capability.

In normal supervised mode, the device switches out the load supervision and switches in the external power supply through a double pole relay.

The external power supply is monitored and raises an unlatched fault condition if the voltage falls below the fixed threshold. In the unsupervised mode, the device provides neither load nor power supply supervision and can be used to switch a single form C set of changeover contacts.

PART. NO MI/DCMOE

FEATURES

- Common mechanical platform for modules' enclosure
- Low standby current
- FACP reads module power voltage
- High Power Loop 48V ready
- Built-in short circuit isolators
- Addressability through rotary switches
- Tri-colour Light Pipe
- Improved Light Pipe visibility on two sides
- Plug-in field wiring terminals
- Integrated DIN rail brackets
- Lasered engraved label data
- IP rate 30
- Intertek Approved

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	15 ... 30 V DC	**IP RATING**	IP30 (IP44 in M200E-SMB)
MAXIMUM STANDBY CURRENT	160µA at 24VDC no communications	**DIMENSIONS (HXLXW)**	22 mm x 82 mm x 93 mm including terminal block
RELAY SPECIFICATIONS	Normal and unsupervised form C ratings 2A at 30VDC, resistive load	**WEIGHT**	118g
OPERATION TEMPERATURE	-20°C to 60°C	**MAXIMUM WIRE GAUGE FOR TERMINALS**	2.5mm^2
RELATIVE HUMIDITY	5% to 95% (non-condensing)		

INPUT MODULE DUAL, MIAS, IN

The MI-DMM2IE provide supervision of two input circuits respectively from external devices. All modules feature a built-in short circuit isolator.

Input channels are capable of both latched and analogue supervision: there are three separate latched states, normal, open circuit and combined alarm/short.

The analogue supervision continuously monitors the supervised circuit, returning a signal proportional to the circuit resistance.

PART. NO MI/DMM2IE

FEATURES

- Common mechanical platform for modules' enclosure
- Low standby current
- FACP reads module power voltage
- High Power Loop 48V ready
- Built-in short circuit isolators
- Addressability through rotary switches
- Tri-colour Light Pipe
- Improved Light Pipe visibility on two sides
- Plug-in field wiring terminals
- Integrated DIN rail brackets
- Lasered engraved label data
- IP rate 30
- Intertek Approved

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	15 ... 30 V DC
MAXIMUM STANDBY CURRENT	140µA at 24VDC no communications
OPERATION TEMPERATURE	-20°C to 60°C
RELATIVE HUMIDITY	0% to 95% (non-condensing)
IP RATING	IP30 (IP44 in M200E-SMB)
DIMENSIONS (H X L X W)	22 mm x 82 mm x 93 mm including terminal block
WEIGHT	118g
MAXIMUM WIRE GAUGE FOR TERMINALS	2.5mm^2

INPUT MODULE SINGLE, MIAS, IN

The MI-DMMIE provide supervision of one input circuits respectively from external devices.
All modules feature a built-in short circuit isolator.

Input channels are capable of both latched and analogue supervision: there are three separate latched states, normal, open circuit and combined alarm/short.

The analogue supervision continuously monitors the supervised circuit, returning a signal proportional to the circuit resistance.

PART. NO MI/DMMIE

FEATURES

- Common mechanical platform for modules' enclosure
- Low standby current
- FACP reads module power voltage
- High Power Loop 48V ready
- Built-in short circuit isolators
- Addressability through rotary switches
- Tri-colour Light Pipe
- Improved Light Pipe visibility on two sides
- Plug-in field wiring terminals
- Integrated DIN rail brackets
- Lasered engraved label data
- IP rate 30
- Intertek Approved

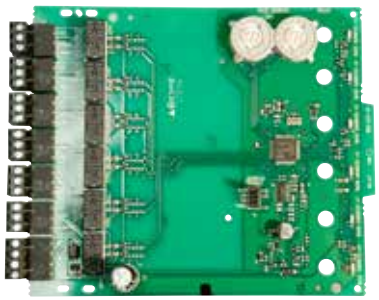
TECHNICAL SPECIFICATION

OPERATING VOLTAGE	15 ... 30 V DC	IP RATING	IP30 (IP44 in M200E-SMB)
MAXIMUM STANDBY CURRENT	140µA at 24VDC no communications	DIMENSIONS (HXLXW)	22 mm x 82 mm x 93 mm including terminal block
OPERATION TEMPERATURE	-20°C to 60°C	WEIGHT	118g
RELATIVE HUMIDITY	0% to 95% (non-condensing)	MAXIMUM WIRE GAUGE FOR TERMINALS	2.5mm^2

AA 240VAC OUTPUT MODULE MP DIN

PART. NO MI-D240CMO-DIN

6-WAY CHANGEOVER RELAY OUTPUT WITH BUILT-IN LOOP ISOLATION



The CR-6 consists of six Form C relays.

The first address is set from 01 to 94; the other modules are automatically assigned the next five addresses; up to three unused addresses can be disabled.

A single isolated set of dry relay contacts, which can be wired as normally open or normally closed, is provided for each address.

The module enables the control panel to switch the contacts on demand. The controlled circuit is not supervised.

PART. NO MI-CR6-S2I

FEATURES

- Individual LED indicators
- Unused addresses may be disabled
- Rotary address switches
- Class A or B operation
- Removable plug–in terminal blocks

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	15 ... 32 V DC	RELAY CONTACT RATINGS	3A at 30VDC Resisitive Load
MAXIMUM WIRING RESISTANCE	40 Ohms	WIRE GAUGE FOR TERMINALS	1.0mm^2 to 2.0mm^2
MAXIMUM STANDBY CURRENT	1.49mA (Blinking LED once every 5 seconds)	OPERATING TEMPERATURE	-0°C to +50°C
MAXIMUM ALARM CURRENT	36mA at 32V assuming all six relays have switched once and all six LEDs solid on	HUMIDITY	10% to 90% (non-condensing)
RELAY CURRENT	30mA/relay pulse 15.6ms duration, pulse under panel control	DIMENSIONS (HXWXD)	173mm x 147mm x 32mm

6-WAY INTERFACE MULTI-MODULE

The CZ-6 provides an interface between the intelligent system and a two-wire conventional detector zone. A common SLC device is shared between all modules and the initiating devices share a common external supply; otherwise, each module operates independently. The first address is set from 01 to 94; the other modules are automatically assigned the next five addresses; up to two unused addresses can be disabled.

The zone status: normal, open circuit or alarm/ short circuit, is transmittedto the control panel; the interface module supervises the detector zone and the external power supply connection.

PART. NO MI-CZ6

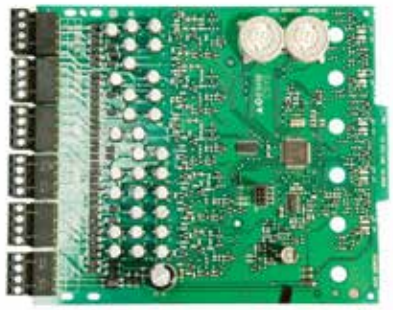
FEATURES

- Individual LED indicators
- Unused addresses may be disabled
- Rotary address switches
- Class A or B operation
- Removable plug–in terminal blocks

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	15 ... 32 V DC	EXTERNAL SUPPLY VOLTAGE	18–28VDC power limited; 0.1V rms maximum
MAXIMUM WIRING RESISTANCE	40 Ohms	EXTERNAL SUPPLY CURRENT	480mA at 24V (all six zones in alarm)
MAXIMUM STANDBY CURRENT	2.04mA (Blinking LED once every 5 seconds)	OPERATING TEMPERATURE	-0°C to +50°C
MAXIMUM ALARM CURRENT	40mA at 32V assuming all six LEDs solid on	HUMIDITY	10% to 90% relative Humidity (non-condensing)
MAXIMUM LOOP WIRING RESISTANCE	40 Ohms or Max supervising line wiring resistance 25 Ohms	DIMENSIONS (HXWXD)	173mm x 147mm x 32mm
WIRE GAUGE FOR TERMINALS	1.0mm^2 to 2.0mm^2		

10-WAY MODULE



The design of the System Sensor 500 Series multiple input and output modules allows for installation ease and time savings The monitor and control modules can be used to supervise and activate sounders, strobes, door closers, pull stations, waterflow switches, conventional smoke detectors and more. The conventional zone interface module is ideal for retrofit applications to monitor zones of conventional two-wire detectors.

Each module has its own address. Modules are addressed with easy-to-use rotary code switches. Provisions are included for disabling unused addresses. Up to two modules mount in a BB-2A enclosure with built-in chassis and up to six modules mount in a BB-6A enclosure with the CH-6A chassis. Wiring terminals are easily accessible for trouble-shooting purposes.

PART. NO MI-IM10-S2I

FEATURES

- Individual LED indicators
- Mounting hardware included
- Rotary address switches
- Removable 12 to 18 AWG plug-in terminal blocks
- Unused addresses may be disabled
- Class A or B operation
- Mount up to two modules in BB-2 enclosure (optional)
- Mount up to six modules in BB-6 enclosure with CH-6 chassis (optional)

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	15 to 32 VDC	RELATIVE HUMIDITY	10% to 85% noncondensing
MAXIMUM SLC WIRING RESISTANCE	40 Ohms	DIMENSIONS (HXWXD)	17.3 cm H x 14.7 cm W x 3.2 cm D (6.8 in H × 5.8 in W × 1.25 in D)
TEMPERATURE RANGE	0° to 49°C (32°F to 120°F)	WIRE GAUGE	12 to 18 AWG

PANEL MOUNTING KIT M700 SERIES

Notifier M200E-PMB Panel Mount Clip.

The Notifier M200E-PMB is a panel mounting clip for the Notifier M700 range of addressable interface module units.

PART. NO M200E-PMB

MOUNTING BOX FOR M700 SERIES

The Surface Mounting Box Base is affixed to mounting surface, and then the module and cover are screwed onto the base using the two screws supplied.

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.

PART. NO M200E-SMB

FEATURES

- Compatible with M200/M700/TC800/MI-XXX Input/Output Modules
- Dimensions (W*H*D): 130*40*130 mm
- Net Weight: 0.164 KG
- Black transparent cover for better internal visibility

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	15 to 30VDC	HEIGHT	23mm
MAXIMUM STANDBY CURRENT	200µA at 24VDC	LENGTH	93mm
MAXIMUM ON RESISTANCE	0.13ž at 15V	WIDTH	94mm
OPERATING TEMPERATURE RANGE	-20oC to +60oC	WEIGHT	62g
HUMIDITY	5 to 95% Relative Humidity (non-condensing)	MAXIMUM WIRE GAUGE FOR TERMINALS	2.5mm^2
IP RATING	IP30 (IP50 in M200E–SMB)		

MOUNTING BOX WITH KNOCKOUTS M700 SERIES

The System Sensor M200E-SMB is the surface mounting box for the System Sensor Interfaces and Modules, including the Output Control Module M201E and the Single Input Control Module M210E

PART. NO	M200E-SMB-KO

TECHNICAL SPECIFICATION

DIMENSIONS (HXWXD)	H: 135 mm W: 131mm D: 40 mm

D/RAIL MOUNTING ACCESSORIES

M200E-DIN provides a DIN rail mounting option for one module of addressable Honeywell Morley-IAS series modules.

PART. NO	M200E-DIN

TECHNICAL SPECIFICATION

DIMENSIONS (HXWXD)	H: 139 mm W: 94 mm D: 23 mm

INTELLIGENT INDOOR MANUAL CALL POINT FLEXI, ISOLATED

The Honeywell Morley-IAS addressable Manual Call Points are designed to provide a manual alarm interface to Morley-IAS´s fire alarm control panel. The flexible release plastic element provides a resettable option by using the provided key. Instalation efficiency, flexibility and compliance with the latest standards are at the heart of the call point range.

The unique ‚plug n 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 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.

PART. NO M5A-RP06FF-K013-41

FEATURES

- Unique plug and play installation concept
- Resettable, unbreakable flexible element
- Rotary decade address switches
- Analogue addressable communications
- Semi-flush and surface mount option
- Integrated LED
- Integral loop isolation
- Specification: EN54-11, EN54-17
- LPCB Approved

ADDITIONAL INFORMATION

Includes transparent cover PS200
For surface mounting requires PS031W

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	15 ... 30 V DC	MAX. WIRE GUAGE	2.5 sqmm
DIMENSIONS (HXWXD)	H: 89 mm W: 93 mm D: 27.5 mm (semi-flush) H: 89 mm W: 93 mm D: 59.5 mm (surface mounted) H: 97.5 mm W: 105 mm D: 75.5 (surface mounted & transparent cover)	QUIESCENT CURRENT	260 uA @ 24 V DC (w/o isolator) 360 uA @ 24 V DC (with isolator)
WEIGHT	110 g (Semi-Flush), 160 g (Surface Mount)	ALARM CURRENT	6 mA @ 24 V DC
COLOR	Red	RELATIVE HUMIDITY	0 ... 95% (non-condensing)
INGRESS PROTECTION	IP24D	MATERIAL	ABS plastic
TEMPERATURE RANGE	-30°C ... 70°C		

SRT1 RED SURFACE BACKBOX

A surface mounted back box for the HCP-E(SCI) manual call point which is 32 mm deep.

PART. NO MUS041W

FEATURES

- Durable
- For use with HCP-E call point range
- Allows addressable call point to be surface mounted

INTELLIGENT OUTDOOR MANUAL CALL POINT GLASS, ISOLATED

The IP67 Honeywell Morley-IAS addressable call point is used in humidity environments to provide a safe and reliable device in areas with dust or humidity.

The IP67 addressable MCP is provided with IP67 surface mounting enclosure and transparent cover.

PART. NO W5A-RP06SG-K013-41

FEATURES

- Includes transparent cover PS200 and surface mounting enclosure IP67

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	15 ... 30 V DC	TEMPERATURE RANGE	-30°C ... 70°C
DIMENSIONS (HXWXD)	H: 97.5 mm W: 105 mm D: 75.5 (surface mounted & transparent cover)	MAX. WIRE GUAGE	2.5 sqmm
WEIGHT	350g	MATERIAL	ABS plastic
COLOR	Red	QUIESCENT CURRENT	260 uA @ 24 V DC (w/o isolator) 360 uA @ 24 V DC (with isolator)
INGRESS PROTECTION	IP67	ALARM CURRENT	6 mA @ 24 V DC
RELATIVE HUMIDITY	0 ... 95% (non-condensing)		

REPLACEMENT BREAK GLASSES - PACK OF 10 PCS

10 Spare breakable glass pack for Morley-IAS addressable manual call points.

PART. NO MUS156

FEATURES

- **Scope of Delivery** - Packing Unit: 10 pcs

BOX MCP SURFACE MOUNT RED 1 TERMINALPS

Surface mounting box for M5A addressable MCP red

PART. NO PS031W

TECHNICAL SPECIFICATION

DIMENSIONS (HXWXD)	H: 87 mm W: 93 mm D: 32 mm

TEST KEY PACK 10 PCS

10 Spare keys pack for Honeywell Morley-IAS addressable manual call points.

The MCP key is used to open, reset and test the Honeywell Morley-IAS addressable MCPs.

PART. NO SC070

FEATURES

- **Scope of Delivery** - Packing Unit: 10 pcs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INTELLIGENT DETECTOR BASE STROBE ONLY EN54-23 C CLASS, PURE WHITE CLEAR LENS

KAC's Detector Base Strobe is a modular, high-output loop powered device intended to alert all building occupants of a potential fire.

Approved to EN54-23 & EN54-17, it enables a complete, fully compliant and cost-effective fire alarm system by reducing installation and commissioning costs through fewer wiring points.

The KAC solution enables easy system extensions in legacy and new projects, thereby providing the highest level of protection for all building occupants – from a trusted brand.

PART. NO BGL-PC-I05

FEATURES

- Maximum light output with efficient power consumption enables more devices on a loop
- Premium device with high light coverage reduces wiring points
- Single point of installation - saves time, cost and inventory
- Large cable access, rear or surface cable entry
- Rotary wheels and address tags for clear address indication
- Meets detector spacing thereby reducing requirement for additional strobe devices
- Fewer wiring points for cost effective installation and simplified system maintenance
- Modular design allows individual components to be replaced separately

TECHNICAL SPECIFICATION

SUPPLY VOLTAGE	15 to 29 VDC (Isolation)	FLASH COLOUR	Red
STANDBY CURRENT	150 uA maximum Current consumption	WEIGHT NET/ GROSS	271g / 291g
TYPICAL STROBE IN ALARM	15mA @ 24V	CABLE TERMINAL SIZE	1.5 - 2.5mm^2 max
STROBE FLASH RATE	0.5 Hz	MOUNTING OPTIONS	Low profile
COLOUR	Pure white	OPERATING TEMP	-10°C to 55°C
LENS COLOUR	Clear	RELATIVE HUMIDITY	93% ± 3%, non-condensing
INGRESS PROTECTION	IP21C (with low profile B501AP base and IP Seal)		

INTELLIGENT DETECTOR BASE HIGH PERFORMANCE SOUNDER STROBE EN54-23 C CLASS, PURE WHITE CLEAR LENS, ISOLATED

KAC's Detector Base High performance Sounder Strobe is a modular, high-output loop powered device intended to alert building occupants of a potential fire.

Approved to EN54-3, EN54-17, EN54-23, it enables a complete, fully compliant and cost-effective fire alarm system by reducing installation and commissioning costs through fewer wiring points.

The KAC solution is backwards compatible enabling easy system extensions in legacy and new projects, thereby providing the highest level of protection for all building occupants – from a trusted brand.

PART. NO BRH-PC-I05

FEATURES

- Global and approved 32 tone set, selectable from device or from panel
- Automatic synchronization of sounder and strobe
- Maximum light and sound output with efficient power consumption enables more devices on a loop
- Premium device with high light coverage reduces wiring points
- Single point of installation - saves time, cost and inventory
- Large cable access, rear or surface cable entry
- Adjustable sound, light and tones to suit varying installation applications
- Rotary wheels and address tags for clear address indication
- Meets detector spacing thereby reducing requirement for additional strobe devices
- Fewer wiring points for cost effective installation and simplified system maintenance
- Modular design allows individual components to be replaced separately

TECHNICAL SPECIFICATION

SUPPLY VOLTAGE	15 to 29 VDC (Isolation)	WEIGHT NET/ GROSS	275g / 295g
STANDBY CURRENT	150 uA maximum Current consumption	CABLE TERMINAL SIZE	1.5 - 2.5mm^2 max
SOUND OUTPUT, TYPICAL	95dB (A) ±3dB @ 1m (Tone 3, high volume @ 24V)	NUMBER OF TONES	32
STROBE FLASH RATE	0.5 Hz	VOLUME SETTING	High, Low
COLOUR	Pure white	MOUNTING OPTIONS	Low profile
LENS COLOUR	Clear	OPERATING TEMP	-10°C to 55°C
FLASH COLOUR	Red	RELATIVE HUMIDITY	93% ± 3%, non-condensing
INGRESS PROTECTION	IP21C (with low profile B501AP base and IP Seal)		

INTELLIGENT DETECTOR BASE STANDARD PERFORMANCE SOUNDER STROBE EN54-23 C CLASS, PURE WHITE CLEAR LENS, ISOLATED

KAC's Detector Base Standard performance Sounder Strobe is a modular, high-output loop powered device intended to alert building occupants of a potential fire.

Approved to EN54-3, EN54-17, EN54-23, it enables a complete, fully compliant and cost-effective fire alarm system by reducing installation and commissioning costs through fewer wiring points.

The KAC solution is backwards compatible enabling easy system extensions in legacy and new projects, thereby providing the highest level of protection for all building occupants – from a trusted brand.

PART. NO BRS-PC-I05

FEATURES

- Global and approved 32 tone set, selectable from device or from panel
- Automatic synchronization of sounder and strobe
- Maximum light and sound output with efficient power consumption enables more devices on a loop
- Premium device with high light coverage reduces wiring points
- Single point of installation - saves time, cost and inventory
- Large cable access, rear or surface cable entry
- Adjustable sound, light and tones to suit varying installation applications
- Rotary wheels and address tags for clear address indication
- Meets detector spacing thereby reducing requirement for additional strobe devices
- Fewer wiring points for cost effective installation and simplified system maintenance
- Modular design allows individual components to be replaced separately

TECHNICAL SPECIFICATION

SUPPLY VOLTAGE	15 to 29 VDC (Isolation)	WEIGHT NET/ GROSS	275g / 295g
STANDBY CURRENT	150 uA maximum Current consumption	CABLE TERMINAL SIZE	1.5 - 2.5mm^2 max
SOUND OUTPUT, TYPICAL	95dB (A) ±3dB @ 1m (Tone 3, high volume @ 24V)	NUMBER OF TONES	32
STROBE FLASH RATE	0.5 Hz 1 Hz (Legacy mode)	VOLUME SETTING	High, Low
COLOUR	Pure white	MOUNTING OPTIONS	Low profile
LENS COLOUR	Clear	OPERATING TEMP	-10°C to 55°C
FLASH COLOUR	Red	RELATIVE HUMIDITY	93% ± 3%, non-condensing
INGRESS PROTECTION	IP21C (with low profile B501AP base and IP Seal)		

INTELLIGENT DETECTOR BASE SOUNDER IVORY COLOR ISOLATED

KAC's base sounder is a high quality loop powered device designed to alert building occupants of an emergency.

It utilizes the System Sensor B501AP base for improved installation flexibility and integrates seamlessly with SS intelligent detectors.

When triggered by the fire panel its powerful sounder gives an audible warning. A choice of output levels and tones make the device suitable for a wide variety of applications.

PART. NO BSO-DD-I05

FEATURES

- Automatic synchronisation of sounder
- Low current draw enables more devices on loop
- Adjustable volume control (on device or from panel)
- Intense strobe output
- Deep and high IP base options
- Ivory body colours
- High quality robust materials for longer life
- UV stable materials
- Robust construction for added impact resistance
- High efficiency piezo disk and horn profile generate excellent sound output

TECHNICAL SPECIFICATION

SUPPLY VOLTAGE	15 to 29 VDC (Isolation)	NUMBER OF TONES	32
STANDBY CURRENT	225 uA	VOLUME SETTING	High, Medium, Low
MAX CURRENT CONSUMPTION	< 10.5mA (High Volume Tone 21 @24V)	OPERATING TEMP	-25°C to 70°C
MAX SOUND OUTPUT	95dB(A) +/-3dB @1m (High Volume, Tone 8 @24V)	RELATIVE HUMIDITY	Up to 95% non-condensing
COLOUR	Ivory	INGRESS PROTECTION	IP24 (with low profile base), IP44 (with surface mount base), IP65 (Waterproof base)
WEIGHT	202g	TERMINAL SIZE	1.5 - 2.5mm^2 max

SENSOR SOUNDER BASE - WHITE SKIRT - C/W SCI

KAC's base sounder is a high quality loop powered device designed to alert building occupants of an emergency.

It utilizes the System Sensor B501AP base for improved installation flexibility and integrates seamlessly with SS intelligent detectors.

When triggered by the fire panel its powerful sounder gives an audible warning.

A choice of output levels and tones make the device suitable for a wide variety of applications.

PART. NO BSO-PP-I05

FEATURES

- Automatic synchronisation of sounder
- Low current draw enables more devices on loop
- Adjustable volume control (on device or from panel)
- Intense strobe output
- Deep and high IP base options
- Ivory body colours
- High quality robust materials for longer life
- UV stable materials
- Robust construction for added impact resistance
- High efficiency piezo disk and horn profile generate excellent sound output

TECHNICAL SPECIFICATION

SUPPLY VOLTAGE	15 to 29 VDC (Isolation)	NUMBER OF TONES	32
STANDBY CURRENT	225 uA	VOLUME SETTING	High, Medium, Low
MAX CURRENT CONSUMPTION	< 10.5mA (High Volume Tone 21 @24V)	OPERATING TEMP	-25°C to 70°C
MAX SOUND OUTPUT	95dB(A) +/-3dB @1m (High Volume, Tone 8 @24V)	RELATIVE HUMIDITY	Up to 95% non-condensing
COLOUR	White	INGRESS PROTECTION	IP24 (with low profile base), IP44 (with surface mount base), IP65 (Waterproof base)
WEIGHT	202g	TERMINAL SIZE	1.5 - 2.5mm^2 max

WHITE BODY SOUNDER - C/W SCI

KAC's wall mount sounder is a high quality loop powered device designed to alert building occupants of an emergency.

It utilizes the System Sensor B501AP base for improved installation flexibility. When triggered by the fire panel its powerful sounder gives an audible warning.

A choice of output levels and tones make the device suitable for a wide variety of applications.

PART. NO WSO-PP-I05

FEATURES

- Automatic synchronisation of sounder
- Low current draw enables more devices on loop
- Adjustable volume control (on device or from panel)
- Intense strobe output
- Deep and high IP base options
- Pure White body colours
- High quality robust materials for longer life
- UV stable materials
- Robust construction for added impact resistance
- High efficiency piezo disk and horn profile generate excellent sound output

TECHNICAL SPECIFICATION

SUPPLY VOLTAGE	15 ... 28 V DC (Isolation)	NUMBER OF TONES	32
STANDBY CURRENT	225µA (Isolation)	VOLUME SETTING	High, Medium, Low
MAX CURRENT CONSUMPTION	11.4mA (High Volume Tone 21 @24V)	MOUNTING OPTIONS	Low Profile, Surface or High IP
MAX SOUND OUTPUT	97dB(A) +/-3dB @1m (High Volume, Tone 8 @24V)	OPERATING TEMP	25°C to 70°C
COLOUR	Pure white	RELATIVE HUMIDITY	Up to 95% non-condensing
WEIGHT	238g	INGRESS PROTECTION	IP24 (with low profile base), IP44 (with surface mount base), IP65 (Waterproof base)
TERMINAL SIZE	1.5 - 2.5mm^2 max		

RED BODY SOUNDER - C/W SCI

Honeywell Morley-IAS wall mounted sounder is installed in exactly the same manner as an intelligent fire detector. Common installation base (Part No. MI/B501AP/IV), which accepts any product within Honeywell Morley-IAS audiable-visual product family, is installed at first fix. This common base is fitted with a shorting spring, enabling loop continuity to be maintained without having to install any Honeywell Morley-IAS audiable-visual product.

It also removes the need to separately test wiring. As the sounder itselfs does not have to be installed until final commissiong, there is no risk of damage during first fix. By utilising the latest developments in piezoelectric transducer the sounder is highly efficient. Current consumption is minimised, enabling the maximum number of devices to be installed on a loop, without compromising on Sound levels.

PART. NO WSO-PR-I05

FEATURES

- 32 built-in tones
- Rotary decade adress switches
- Lower power requirements
- Optional IP65 rating
- Optional built-in isolator
- Anti-Tamper feature
- Specifications: EN54-3, EN54-17
- LPCB approved

ACCESSORIES

MI/B501AP/IV Detector and AV standard base

BRR Deep profile base red with MI/B501AP/IV

WRR Deep waterproof base, red

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	15 ... 32 V DC (without isolator) 15 ... 28 V DC (with isolator)	ALARM CURRENT	11.4 mA (high volume tone 21 @ 24 V)
DIMENSION	ø: 121 mm H: 64 mm	RELATIVE HUMIDITY	< 95 % (non-condensing)
WEIGHT	238 g	MAX SOUND OUTPUT	97dB(A) +/-3dB @ 1 m
COLOR	Red	TEMPERATURE RANGE	-25°C to +70°C
INGRESS PROTECTION	IP24 (with low profile base) IP44 (with surface mount base) IP65 (waterproof base)	QUIESCENT CURRENT	120 uA (non-isolation) 225 uA (isolation)
MAX. WIRE GUAGE	1.5 - 2.5mm^2 max		

INTELLIGENT WALL MOUNT SOUNDER STROBE EN54-23 O CLASS, PURE WHITE CLEAR LENS, ISOLATED

KAC's wall mount sounder strobe is a high quality loop powered device designed to alert building occupants of an emergency. It utilises the System Sensor B501AP base for improved installation flexibility.

When triggered by the fire panel its powerful sounder and intense strobe give a visible and audible warning.

A choice of output levels and tones make the device suitable for a wide variety of applications.

PART. NO WSS-PC-I05

FEATURES

- Automatic synchronisation of sounder
- Low current draw enables more devices on loop
- Adjustable volume control (on device or from panel)
- Intense strobe output
- Deep and high IP base options
- Pure White body colours
- High quality robust materials for longer life
- UV stable materials
- Robust construction for added impact resistance
- High efficiency piezo disk and horn profile generate excellent sound output
- High output LED technology and superior lens design optimize light output

TECHNICAL SPECIFICATION

SUPPLY VOLTAGE	15 ... 29 V DC (Isolation)	TERMINAL SIZE	1.5 - 2.5mm^2 max
STANDBY CURRENT	225µA (Isolation)	NUMBER OF TONES	32
MAX CURRENT CONSUMPTION	14.5mA (High Volume Tone 11 @15V)	VOLUME SETTING	High, Medium, Low
MAX SOUND OUTPUT	97dB(A) +/-3dB @1m (High Volume, Tone 8 @24V)	MOUNTING OPTIONS	Low Profile, Surface or High IP
COLOUR	Pure white	OPERATING TEMP	-25°C to 70°C
LENS COLOUR	Clear	RELATIVE HUMIDITY	Up to 95% non-condensing
WEIGHT	238g	INGRESS PROTECTION	IP24 (with low profile base), IP44 (with surface mount base), IP65 (Waterproof base)

WHITE BODY SOUNDER RED VID C/W RED LENS (NON EN54-23) & SCI

The wall mounted sounder/strobe is installed in exactly the same manner as an intelligent fire detector. A separate, common installation base (Part No. Mi/B50IAP/IV) which accepts any product within Honeywell Morley-IAS audiable-visual product family, is installed at first fix. This common base is fitted with a shorting spring, anabling loop continuity to be maintained without having to install any audiable-visual product. It also removes the need to separately test the wiring. As the strobe itself does not have to be installed until final commissioning, there is no risk of damage during first fix. By utilising the latest developments in piezoelectric transducer and high output LED array technology, the sounder/strobe is highly efficient. Current consumption is minimised, enabling the maximum number of devices to be installed on a loop, without compromising on sound and light output levels.

PART. NO WSS-PR-I05

FEATURES

- 32 built-in tones
- Rotary decade address switches
- Lower power requirements
- Optional IP65 rating
- Optional built-in isolator
- Anti-Tamper feature
- Specifications: EN54-3, EN54-17
- LPCB approved

ADDITIONAL INFORMATION

These are not approved to EN54-23 (Visual Alarm Device) and must not be used as visual alarm device to provide a primary warning of fire.

ACCESSORIES

MI/B501AP/IV Detector and AV standard base
BRR Deep profile base red with MI/B501AP/IV
WRR Deep waterproof base, red

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	15 ... 29 V DC (without isolator) 15 ... 29 V DC (with isolator)	ALARM CURRENT	14.5 mA (high volume tone 11 @ 15 V)
DIMENSION	ø: 121 mm H: 64 mm	RELATIVE HUMIDITY	< 95 % (non-condensing)
WEIGHT	238 g	MAX SOUND OUTPUT	97dB(A) +/-3dB @ 1 m
COLOR	Red (lens and housing)	TEMPERATURE RANGE	-25°C ... +70°C
INGRESS PROTECTION	IP21C (with low profile base) IP44 (with surface mount base) IP65 (waterproof base)	MAX. WIRE GUAGE	1.5 ... 2.5 mm^2 max
MAX. WIRE GUAGE	1.5 ... 2.5 mm^2 max	QUIESCENT CURRENT	120 uA (non-isolation) 225 uA (isolation)

INTELLIGENT WALL MOUNTED STROBE PURE WHITE CLEAR LENS ISOLATED

KAC's wall mount strobe is a high quality loop powered device designed to alert building occupants of an emergency.

It utilizes the System Sensor B501AP base for improved installation flexibility.

When triggered by the fire panel its intense strobe gives a highly visible warning.

A choice of lens colours makes the device suitable for a wide variety of applications.

PART. NO WST-PC-I05

FEATURES

- Automatic synchronisation of sounder
- Low current draw enables more devices on loop
- Adjustable volume control (on device or from panel)
- Intense strobe output
- Deep and high IP base options
- Pure White body colours
- High quality robust materials for longer life
- UV stable materials
- Robust construction for added impact resistance
- High output LED technology and superior lens design optimize light output

TECHNICAL SPECIFICATION

SUPPLY VOLTAGE	15 ... 29 V DC (Isolation)	TERMINAL SIZE	1.5 - 2.5mm^2 max
STANDBY CURRENT	225µA (Isolation)	MOUNTING OPTIONS	32
MAX CURRENT CONSUMPTION	5.4mA@15V (Isolation)	VOLUME SETTING	High, Medium, Low
STROBE FLASH RATE	1Hz	MOUNTING OPTIONS	Low Profile, Surface or High IP
COLOUR	Pure white	OPERATING TEMP	-25°C to 70°C
LENS COLOUR	Red	RELATIVE HUMIDITY	Up to 95% non-condensing
WEIGHT	168g	INGRESS PROTECTION	IP24 (with low profile base), IP44 (with surface mount base), IP65 (Waterproof base)

WHITE BODY RED VAD C/W RED LENS (EN54-23 O CLASS APPROVED) ISOLATED

The wall mounted strobe is installed in exactly the same manner as an intelligent fire detector.
A separate, common installation base (Part No. MI/B50IAP/IV) which accepts any product within Honeywell Morley-IAS audiable-visual product family, is installed at first fix. This common base is fitted with a shorting spring, enabling loop continuity to be mainteined without having to install any audiable-visual product.

It also removes the need to separately test the wiring. As the strobe itself does not have to be installed until final commissioning, there is no risk of damage during first fix.

PART. NO WST-PR-I05

FEATURES

- High output LED array technology
- Rotary decade address switches
- Lower power requirements
- Optional IP65 rating
- Optional built-in isolator
- Specification EN 54-17
- LPCB approved

ADDITIONAL INFORMATION

These are not approved to EN54-23 (Visual Alarm Device) and must not be used as visual alarm device to provide a primary warning of fire.

ACCESSORIES

MI/B501AP/IV Detector and AV standard base
BRR Deep profile base red with MI/B501AP/IV
WRR Deep waterproof base, red

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	15 ... 29 V DC (without isolator) 15 ... 29 V DC (with isolator)	RELATIVE HUMIDITY	< 95 % (non-condensing)
DIMENSION	ø: 121 mm H: 51 mm	MAX SOUND OUTPUT	97dB(A) +/-3dB @ 1 m
WEIGHT	238 g	TEMPERATURE RANGE	-25°C ... +70°C
COLOR	Red (lens and housing)	MAX. WIRE GUAGE	1.5 ... 2.5 mm^2 max
INGRESS PROTECTION	IP21C (with low profile base) IP44 (with surface mount base) IP65 (waterproof base)	QUIESCENT CURRENT	120 uA (non-isolation) 225 uA (isolation)
MAX. WIRE GUAGE	1.5 ... 2.5 mm^2 max	STROBE FLASH RATE	1 HZ
ALARM CURRENT	14.5 mA (high volume tone 11 @ 15 V)		

AV PHASE II RED WATERPROOF DEEP BASE

Deep surface mounting base IP65 red for Honeywell Morley-IAS addressable sounders with MI/B501AP/IV white base.

PART. NO	WRR

TECHNICAL SPECIFICATION	
DIMENSION	ø: 121 mm H: 55 mm

AV PHASE II RED SURFACE MOUNTED DEEP BASE

Deep surface mounting base red for Honeywell Morley-IAS addressable sounders with MI/B501AP/IV white base.

PART. NO	BRR

TECHNICAL SPECIFICATION	
DIMENSION	ø: 121 mm H: 55 mm

CONVENTIONAL AUDIO VISUAL DEVICES

FIRE ALARM SYSTEM

SHALLOW BASE - RED, 5 PCS

Low profile base red for conventional EN Scape series sounder and strobe.

PART. NO CSR

FEATURES

- Scope of Delivery: Packing Unit: 5 pcs

EN SOUNDER-RED-IP65

The acoustic alarm signaling device with IP65 ingress rate protection enclosure is EN 54-3 compliant, in red housing, and offers a selection of 32 signal tones including the DIN tone and other country-specific tones. All tones comply with EN 54-3.

Configuration takes place via a 6-pin DIP switch. Up to two different signal tones may be activated. Signaling device with flat base, suitable for wall and ceiling mounting.

PART. NO CWSO-RR-W1

FEATURES

- Suitable for 12 V and 24 V DC service voltage
- Synchronous sound trigger
- Volume adjustable to 2 levels at the device
- Specification: EN54-3
- Scope of Delivery: Includes surface mounting base

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	9 ... 29 V DC	APPROVED	EN54-3
DIMENSION	ø: 100 mm H: 77 mm (low profile base) ø: 100 mm H: 102 mm (deep base)	MAX. SOUND OUTPUT	107 dB (A) @ 1 m (tone 23)
WEIGHT	190 g (low profile base) 197 g (deep base)	NUMBER OF TONES	32, including a bell tone
CURRENT	31 mA @ 29 V DC (tone 8)	IP RATING	IP65

W SOUNDER & BEACON-RED-WHITE LED-IP65

Combined acoustic and optical alarm signaling device, with IP65 Ingress rate protection enclosure is EN 54-3 & EN 54-23 compliant, in red housing, and offers a selection of 32 signal tones including the DIN tone and other country-specific tones. All tones comply with EN 54-3. Tone configuration takes place via a 6-pin DIP switch. Up to two different signal tones may be activated.

The optical signaling device with white strobe is suitable in accordance with EN 54-23 for square signal ranges W-2.4-8.9 and cylindrical signal ranges C-3-10 / C-6-10. Signaling device with flat base, suitable for wall and ceiling mounting.

PART. NO CWSS-RW-W5

FEATURES

- Synchronous sound and flash trigger
- Volume adjustable to 2 levels at the device
- C & W category
- Signal range up to 8.9 m room width for wall mounting
- Signal range up to 10.0 m room diameter for ceiling mounting
- Specifications: EN54-3, EN54-23
- Scope of Delivery: Includes surface mounting base

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	12 ... 29 V DC	APPROVED	EN54-23 C,W & O categories, EN54-3
DIMENSION	ø: 100 mm H: 98 mm (low profile base) ø: 100 mm H: 122 mm (deep base)	MAX. SOUND OUTPUT	107 dB (A) @ 1 m (tone 23)
WEIGHT	248 g (Class W) / 236 g (Class O) (low profile base) 255 g (Class W) / 242 g (Class O) (deep base)	NUMBER OF TONES	32, including a bell tone
CURRENT	49 mA @ 29 V DC (Class W, tone 7) 22 mA @ 29 VDC (Class O, tone 7)	IP RATING	IP65
LASHING FREQUENCY	0.5 Hz		

W BEACON-RED-WHITE LED

Optical signaling device compliant with EN 54-23 for wall and ceiling mounting with white strobe color and flat base. The signaling device is suitable for square signal ranges W-2.4-9.0 and cylindrical signal ranges C-3-9.5 / C-6-9.5 / C-9-9.5.

It features high output LEDs, advanced optics and an innovative lens design for outstanding light coverage at low current draw.

PART. NO CWST-RW-S5

FEATURES

- C & W category
- Synchronous flash trigger
- Up to 9.0 m room width for wall mounting
- Up to 9.4 m room diameter for ceiling mounting
- Specification: EN54-23
- Scope of Delivery: Includes surface mounting base

ACCESSORIES CWR Deep base red

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	9 ... 29 V DC	CURRENT	26 mA @ 29 V DC
DIMENSION	ø: 100 mm H: 72 mm (low profile base) ø: 100 mm H: 97 mm (deep base)	FLASHING FREQUENCY	0.5 Hz
TEMPERATURE RANGE	-25°C ... +70°C	WEIGHT	164 g (low profile base) 171 g (deep base)
RELATIVE HUMIDITY	< 95 % (non-condensing)		

W BEACON-RED-WHITE LED-IP65

Optical signaling device with IP 65 Ingress rate protection enclosure, compliant with EN 54-23 for wall and ceiling mounting with white strobe color and flat base.

The signaling device is suitable for square signal ranges W-2.4-9.0 and cylindrical signal ranges C-3-9.5 / C-6-9.5 / C-9-9.5.

PART. NO CWST-RW-W5

FEATURES

- C & W category
- Synchronous flash trigger
- Up to 9.0 m room width for wall mounting
- Up to 9.4 m room diameter for ceiling mounting
- Specification: EN54-23
- Scope of Delivery: Includes surface mounting base

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	9 ... 29 V DC	CURRENT	26 mA @ 29 V DC
DIMENSION	ø: 100 mm H: 72 mm (low profile base) ø: 100 mm H: 97 mm (deep base)	FLASHING FREQUENCY	0.5 Hz
TEMPERATURE RANGE	-25°C ... +70°C	WEIGHT	164 g (low profile base) 171 g (deep base)
RELATIVE HUMIDITY	< 95 % (non-condensing)	IP RATING	IP65

2 ZONES CONVENTIONAL PANEL

The VSN-LT Conventional panel has been conceived and designed for the installation of small and medium-sized fire detection systems in those places where it is necessary to interface with an easy-to use and high-performance central unit.

The control panel is accessible and configurable by entering a password.

The VSN control panel has 4 detection levels that allows to recognize if an alarm comes from a sensor, a button or by an open circuit or a short circuit.

PART. NO VSN2-LT

FEATURESW

- Microprocessor system
- Zone confiuration: Short-circuit alarm; Alarm memory; Manual / automatic alarm; Coincidence with adjacent areas
- Alarm identification by detector or button
- Day / Night function with delay from 30 to 300 sec
- Delays disabled by the keyboard (optional)
- Alarm from one detector or from 2 zones in alarm
- 2 monitored sounder outputs with zone activation
- Alarm relay and fault relay
- Auxiliary power supply output (not resettable)

TECHNICAL SPECIFICATION

POWER SUPPLY	230 Vac ±15%; 50/60 Hz.	OPERATING HUMIDITY	95% max. RH
TOTAL MAX. CURRENT	2.4 A	PANEL SEALING	IP30
BATTERV CHARGING VOLTAGE	27.3V at 20°C	DIMENSIONS	W: 380 mm H: 315 mm D: 100 mm
BATTERY LOAD CURRENT	260 mA max	WEIGHT (WITHOUT BATTERIES)	3 KG
MAIN FUSE	F4AL 250 V	PLUG-IN TERMINALS	1,5 mm^2 max.
2 MONITORED SOUNDER OUTPUTS	2 x 250 mA	HOUSING COLOUR	RAL 9002
AUX. POWER SUPPLY OUTPUT	8,5 - 28.5Vdc (24Vdc nominal) / 300 mA (resettable and non-resettable)	MATERIAL	ABS/steel
OPERATING TEMPERATURE	-5 °C to +45 °C		

4 ZONES CONVENTIONAL PANEL

The VSN4-LT Conventional panel has been conceived and designed for the installation of small and medium-sized fire detection systems in those places where it is necessary to interface with an easy-to use and high-performance central unit.

The control panel is accessible and configurable by entering a password.

The VSN control panel has 4 detection levels that allows to recognize if an alarm comes from a sensor, a button or by an open circuit or a short circuit.

PART. NO VSN4-LT

FEATURES

- Microprocessor system
- Zone confiuration: Short-circuit alarm; Alarm memory; Manual / automatic alarm; Coincidence with adjacent areas
- Alarm identification by detector or button
- Day / Night function with delay from 30 to 300 sec
- Delays disabled by the keyboard (optional)
- Alarm from one detector or from 2 zones in alarm
- 2 monitored sounder outputs with zone activation
- Alarm relay and fault relay
- Auxiliary power supply output (not resettable)

TECHNICAL SPECIFICATION

POWER SUPPLY	230 Vac ±15%; 50/60 Hz.	OPERATING HUMIDITY	95% max. RH
TOTAL MAX. CURRENT	2.4 A	PANEL SEALING	IP30
BATTERV CHARGING VOLTAGE	27.3V at 20°C	DIMENSIONS	W: 380 mm H: 315 mm D: 100 mm
BATTERY LOAD CURRENT	260 mA max	WEIGHT (WITHOUT BATTERIES)	3 KG
MAIN FUSE	F4AL 250 V	PLUG-IN TERMINALS	1,5 mm^2 max.
2 MONITORED SOUNDER OUTPUTS	2 x 250 mA	HOUSING COLOUR	RAL 9002
AUX. POWER SUPPLY OUTPUT	8,5 - 28.5Vdc (24Vdc nominal) / 300 mA (resettable and non-resettable)	MATERIAL	ABS/steel
OPERATING TEMPERATURE	-5 °C to +45 °C		

8 ZONES CONVENTIONAL PANEL

The VSN8-LT Conventional panel has been conceived and designed for the installation of small and medium-sized fire detection systems in those places where it is necessary to interface with an easy-to use and high-performance central unit.

The control panel is accessible and configurable by entering a password.

The VSN control panel has 4 detection levels that allows to recognize if an alarm comes from a sensor, a button or by an open circuit or a short circuit.

PART. NO VSN8-LT

FEATURES

- Microprocessor system
- Zone confiuration: Short-circuit alarm; Alarm memory; Manual / automatic alarm; Coincidence with adjacent areas
- Alarm identification by detector or button
- Day / Night function with delay from 30 to 300 sec
- Delays disabled by the keyboard (optional)
- Alarm from one detector or from 2 zones in alarm
- 2 monitored sounder outputs with zone activation
- Alarm relay and fault relay
- Auxiliary power supply output (not resettable)
- Alarm relay and fault relay
- Auxiliary power supply output (not resettable)

TECHNICAL SPECIFICATION

POWER SUPPLY	230 Vac ±15%; 50/60 Hz.	OPERATING HUMIDITY	95% max. RH
TOTAL MAX. CURRENT	2.4 A	PANEL SEALING	IP30
BATTERV CHARGING VOLTAGE	27.3V at 20°C	DIMENSIONS	W: 380 mm H: 315 mm D: 100 mm
BATTERY LOAD CURRENT	260 mA max	WEIGHT (WITHOUT BATTERIES)	3 KG
MAIN FUSE	F4AL 250 V	PLUG-IN TERMINALS	1,5 mm^2 max.
2 MONITORED SOUNDER OUTPUTS	2 x 250 mA	HOUSING COLOUR	RAL 9002
AUX. POWER SUPPLY OUTPUT	8,5 - 28.5Vdc (24Vdc nominal) / 300 mA (resettable and non-resettable)	MATERIAL	ABS/steel
OPERATING TEMPERATURE	-5 °C to +45 °C		

12 ZONES CONVENTIONAL PANEL

The VSN12-LT Conventional panel has been conceived and designed for the installation of small and medium-sized fire detection systems in those places where it is necessary to interface with an easy-to use and high-performance central unit.

The control panel is accessible and configurable by entering a password.

The VSN control panel has 4 detection levels that allows to recognize if an alarm comes from a sensor, a button or by an open circuit or a short circuit.

PART. NO VSN12-LT

FEATURES

- Microprocessor system
- Zone confiuration: Short-circuit alarm; Alarm memory; Manual / automatic alarm; Coincidence with adjacent areas
- Alarm identification by detector or button
- Day / Night function with delay from 30 to 300 sec
- Delays disabled by the keyboard (optional)
- Alarm from one detector or from 2 zones in alarm
- 2 monitored sounder outputs with zone activation
- Alarm relay and fault relay
- Auxiliary power supply output (not resettable)

TECHNICAL SPECIFICATION

POWER SUPPLY	230 Vac ±15%; 50/60 Hz.	OPERATING HUMIDITY	95% max. RH
TOTAL MAX. CURRENT	2.4 A	PANEL SEALING	IP30
BATTERV CHARGING VOLTAGE	27.3V at 20°C	DIMENSIONS	W: 380 mm H: 315 mm D: 100 mm
BATTERY LOAD CURRENT	260 mA max	WEIGHT (WITHOUT BATTERIES)	3 KG
MAIN FUSE	F4AL 250 V	PLUG-IN TERMINALS	1,5 mm^2 max.
2 MONITORED SOUNDER OUTPUTS	2 x 250 mA	HOUSING COLOUR	RAL 9002
AUX. POWER SUPPLY OUTPUT	8,5 - 28.5Vdc (24Vdc nominal) / 300 mA (resettable and non-resettable)	MATERIAL	ABS/steel
OPERATING TEMPERATURE	-5 °C to +45 °C		

CONVENTIONAL MULTI DETECT OPTICAL AND TH

The conventional ECO1002 is a multi-criteria detector uses a state-of-the-art optical chamber and a thermal element combined with a microprocessor, running sophisticated algorithms to provide quick and accurate detection of fires.

PART. NO ECO1002 A

FEATURES

- Low profile design
- Low current draw
- Automatic drift compensation
- Operates on 12 and 24VDC Systems
- Remote alarm test feature
- Easy Maintenance
- Range of detector bases available
- Remote LED Option

ACCESSORIES

ECO1000B Standard Base
ECO1000BREL12L Relay base 12V Latching
ECO1000BREL24L Relay base 24V Latching

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	8 to 30VDC (Nominal 12/24VDC)	DIAMETER	102mm
MAXIMUM STANDBY CURRENT	@ 25°C 75µA @ 24VDC	WEIGHT	78g (plus 45g for standard base)
MAXIMUM PERMISSIBLE ALARM CURRENT	80mA (current limited by control panel)	MAX WIRE GAUGE FOR TERMINALS	0.4mm^2 to 2.0mm^2
TEMPERATURE RANGE	-30°C to +70°C	COLOUR	Approximates to RAL9016
HUMIDITY	0 to 95% Relative Humidity (non condensing	MATERIAL	ABS
HEIGHT	40.5mm (plus 9.5mm for standard base)		

CONVENTIONAL OPTICAL DETECTOR

The conventional ECO1003A photoelectric smoke detector uses a state-of-the art optical chamber operating on the light scattering principle, combined with an application specific integrated circuit to provide quick and accurate fire detection.

PART. NO ECO1003 A

FEATURES

- Low profile design
- Low current draw
- Automatic drift compensation
- Operates on 12 and 24VDC Systems
- Remote alarm test feature
- Easy Maintenance
- Range of detector bases available
- Remote LED Option

ACCESSORIES

ECO1000B Standard Base
ECO1000BREL12L Relay base 12V Latching
ECO1000BREL24L Relay base 24V Latching

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	8 to 30VDC (Nominal 12/24VDC)	DIAMETER	102mm
MAXIMUM STANDBY CURRENT	@ 25°C 75µA @ 24VDC	WEIGHT	75g (plus 45g for standard base)
MAXIMUM PERMISSIBLE ALARM CURRENT	80mA (current limited by control panel)	MAX WIRE GAUGE FOR TERMINALS	0.4mm² to 2.0mm²
TEMPERATURE RANGE	-30°C to +70°C	COLOUR	Approximates to RAL9016
HUMIDITY	0 to 95% Relative Humidity (non condensing	MATERIAL	ABS
HEIGHT	32.5mm (plus 9.5mm for standard base)		

FIXED TEMP SENSOR (78DEG) BS

The conventional ECO1004T 78°C fixed temperature thermal detector use state of the art thermal elements combined with application specific integrated circuits (ASIC) to provide quick and accurate detector of fires through temperate levels or changes.

PART. NO ECO1004T A

FEATURES

- Low profile design
- Low current draw
- Automatic drift compensation
- Operates on 12 and 24VDC Systems
- Remote alarm test feature
- Easy Maintenance
- Range of detector bases available
- Remote LED Option

ACCESSORIES

ECO1000B Standard Base
ECO1000BREL12L Relay base 12V Latching
ECO1000BREL24L Relay base 24V Latching

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	8 to 30VDC (Nominal 12/24VDC)	DIAMETER	102mm
MAXIMUM STANDBY CURRENT	@ 25°C 75µA @ 24VDC	WEIGHT	70g (plus 45g for standard base)
MAXIMUM PERMISSIBLE ALARM CURRENT	80mA (current limited by control panel)	MAX WIRE GAUGE FOR TERMINALS	0.4mm² to 2.0mm²
TEMPERATURE RANGE	-30°C to +70°C	COLOUR	Approximates to RAL9016
HUMIDITY	0 to 95% Relative Humidity (non condensing	MATERIAL	ABS
HEIGHT	40.5mm (plus 9.5mm for standard base)		

CONVENTIONAL RATE OF RISE HEAT DETECTOR

The conventional ECO1005 58°C rate of rise thermal detector use state of the art thermal elements combined with application specific integrated circuits (ASIC) to provide quick and accurate detector of fires through temperate levels or changes.

PART. NO ECO1005 A

FEATURES

- Low profile design
- Low current draw
- Automatic drift compensation
- Operates on 12 and 24VDC Systems
- Remote alarm test feature
- Easy Maintenance
- Range of detector bases available
- Remote LED Option

ACCESSORIES

ECO1000B Standard Base
ECO1000BREL12L Relay base 12V Latching
ECO1000BREL24L Relay base 24V Latching

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	8 to 30VDC (Nominal 12/24VDC)	DIAMETER	102mm
MAXIMUM STANDBY CURRENT	@ 25°C 75µA @ 24VDC	WEIGHT	70g (plus 45g for standard base)
MAXIMUM PERMISSIBLE ALARM CURRENT	80mA (current limited by control panel)	MAX WIRE GAUGE FOR TERMINALS	0.4mm² to 2.0mm²
TEMPERATURE RANGE	-30°C to +70°C	COLOUR	Approximates to RAL9016
HUMIDITY	0 to 95% Relative Humidity (non condensing	MATERIAL	ABS
HEIGHT	40.5mm (plus 9.5mm for standard base)		

FIXED THERMAL DETECTOR

The conventional ECO1005T fixed temperature thermal detector use state of the art thermal elements combined with application specific integrated circuits (ASIC) to provide quick and accurate detector of fires through temperate levels or changes.

PART. NO ECO1005T A

FEATURES

- Low profile design
- Low current draw
- Automatic drift compensation
- Operates on 12 and 24VDC Systems
- Remote alarm test feature
- Easy Maintenance
- Range of detector bases available
- Remote LED Option

ACCESSORIES

ECO1000B Standard Base
ECO1000BREL12L Relay base 12V Latching
ECO1000BREL24L Relay base 24V Latching

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	8 to 30VDC (Nominal 12/24VDC)	DIAMETER	102mm
MAXIMUM STANDBY CURRENT	@ 25°C 75µA @ 24VDC	WEIGHT	70g (plus 45g for standard base)
MAXIMUM PERMISSIBLE ALARM CURRENT	80mA (current limited by control panel)	MAX WIRE GAUGE FOR TERMINALS	0.4mm² to 2.0mm²
TEMPERATURE RANGE	-30°C to +70°C	COLOUR	Approximates to RAL9016
HUMIDITY	0 to 95% Relative Humidity (non condensing	MATERIAL	ABS
HEIGHT	40.5mm (plus 9.5mm for standard base)		

STANDARD SENSOR BASE

Detector base for the conventional ECO detectors.

PART. NO ECO1000B

TECHNICAL SPECIFICATION

HEIGHT	9.5mm	COLOUR	Approximates to RAL9016
DIAMETER	102mm	MATERIAL	ABS
WEIGHT	45g		

DETECTOR BASE C/W LATCHING RELAY 12V

Detector base for the conventional ECO detectors with 12VDC latching relay

PART. NO ECO1000BREL12L

TECHNICAL SPECIFICATION

HEIGHT	9.5mm	COLOUR	Approximates to RAL9016
DIAMETER	102mm	MATERIAL	ABS
WEIGHT	45g		

LATCHING RELAY BASE 24V

Detector base for the conventional ECO detectors with 24VDC latching relay

PART. NO ECO1000BREL24L

TECHNICAL SPECIFICATION

HEIGHT	9.5mm	COLOUR	Approximates to RAL9016
DIAMETER	102mm	MATERIAL	ABS
WEIGHT	45g		

REMOTE INDICATOR FOR CONVENTIONAL DETECTORS

Steady light LED repeater for analog fire detectors with high efficiency, small dimensions and low power consumption.

The repeater is directly controlled by the detector and makes it possible to immediately locate the detector it is connected to. Possible installation: flush mounting, wall mounting and ceiling mounting

PART. NO INDICATOR

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	2.5 to 3.5 VDC	PROTECTION	IP43
MAXIMUM CURRENT	20 mA	WEIGHT	27 g (net weight per unit)
WORKING TEMPERATURE	-10 °C to +70 °C	DIMENSIONS	L: 86 mm W: 46.3 mm H: 21.9 mm
STORAGE TEMPERATURE	-10 °C to +70 °C	MAX CABLE SECTION	1.5 mm^2

CONVENTIONAL MCP, RED, INDOOR

Installation efficiency, flexibility and full compliance with the latest standards are at the heart of the new MCP indoor call point range. Installation time and ultimately cost, are of paramount importance to any fire or security installer. The MCP range directly reflects this need by providing a unique 'plug and play' concept designed specifically to reduce installation time.

All new MCP products utilise a special terminal block, where all initial installation cabling is terminated. This terminal block is then simply connected to the back of the MCP. Simple, but effective, with no re-termination required and no time wasted.

Through new standards and legislation, both break glass and resettable operating elements can now be used within a manual call point. To provide you with the greatest 'flex-ability', the new MCP range can be configured as either a break glass or resettable unit by simply changing from one element to another.

PART. NO M1A-R470SG-STCK-01

FEATURES

- Unique 'Plug & Play' installation concept
- Total 'Flex-Ability' in the choice of operating element
- Anti-Tamper facility
- Enhanced aesthetics
- Fully approved to the latest standards
- Backward compatibility
- CPD Approved

TECHNICAL SPECIFICATION

CABLE TERMINATION	0.5-2.5mm^2	STORAGE TEMPERATURE	-10°C to +55°C
MAXIMUM VOLTAGE	30VDC	INGRESS PROTECTION (IP) RATING	IP24D
CURRENT RATING (SWITCH ONLY)	2 Amps	MATERIAL	PC/ABS
HUMIDITY	93± 3% non-condensing	WEIGHT	130g Flush 180g Surface
OPERATING TEMPERATURE	-10°C to +55°C	COLOUR	Red, Ral 3001

CONVENTIONAL MCP, RED, INDOOR

The outdoor MCP is an IP 67 sealed product. The enhanced environmental protection allows the unit to be installed in many external environments where water and dirt are likely to be present, making it a true waterproof and outdoor product. The manual call point has a unique 'plug and play' concept designed specifically to reduce installation time. The product utilizes a special terminal block, where all initial installation cabling is terminated.

This terminal block is then simply connected to the back of the MCP. The housing is supplied with three standard 20mm knock outs for cable entries, accommodating all types of surface wiring installations.

The MCP also helps to preserve the integrity of the overall system as illegal removal of the product lid will result in the call point operating and the system triggering an alarm.

PART. NO W1A-R1K0SG-U007-01

FEATURES

- **Scope of Delivery** - 1 x Cable gland included

ACCESSORIES

MUS155 Spare glass pane (5 pcs)
SC070 Spare key
PS200 Plastic cover

TECHNICAL SPECIFICATION

APPLICATION TEMPERATURE	-30°C to -70°C	AIR HUMIDITY	< 95 % non condensing
WEIGHT G	Approx. 240 g	TYPE OF PROTECTION	IP 67
STORAGE TEMPERATURE	-30°C to -70°C	DIMENSIONS	W: 97.5 mm H: 93 mm D: 71 mm
DETECTOR SPECIFICATION	EN 54-11		

CONVENTIONAL EXTINGUISHING CONTROL PANEL

The VSN-RP1r+ extinguishing control panel has been designed to efficiently manage the automatic release sequence of any extinguishing system of gas or CO_2 (according EN12094:1/2003 requirements).

PART. NO VSN-RP1R-PLUS2

FEATURES

- Compact extinguishing control panel with 32 bits microprocessor
- Easy configuration from the keyboard
- 3 conventional zones: 2 for detectors and a third one which can be configured for detectors or call points
- Inputs for abort and gas release call points and hold pushbutton
- Release delay which can be configured from 0 to 60 sec. and verification time (before activating the sounders) from 0 to 10 min
- Delays can be disabled from the keyboard (optional)
- Input circuits 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
- 44 status leds to quickly identify events
- 7 relays for status indication and operating mode
- Operating mode: Automatic, Manual and Disabled
- Digital input for remote action such 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
- Certified according to EN54-2/4:A2/2006 and EN12094/1:2003

ACCESSORIES

VSN-232 RS-232 communication module

VSN-4REL 4-relay module

TFT-SUPRA TFT 4.3" EXTING. RP1r-2Plus/Supra

RP1R-RPT REPEATER PANEL FOR EXTING. RP1R

VSN-485 RS485 card for RP1R-RPT

TG-BASE Dongle with TG w/o license

TGP-C GRAPHIC SOFT License for conventional panels RP1r, VSN-2Plus

TECHNICAL SPECIFICATION

POWER SUPPLY	110/230 Vac; 50/60 Hz.	2 RELEASE CIRCUITS	1 A max. each circuit
STANDBY CURRENT	125 mA max	OPERATING TEMPERATURE	-5°C to +40°C
TOTAL MAX. CURRENT	2.4 A	OPERATING HUMIDITY	95% max. RH Panel sealing: IP30
BATTERIES	2 x 7A/h	DIMENSIONS	W: 381 mm H: 353 mm D: 123 mm
BATTERY LOAD CURRENT	300 mA max	WEIGHT (WITHOUT/ WITH BATTERIES)	4 KG / 9.3 KG
BATTERY FUSE	F4AL 250 V (4 A)	PLUG-IN TERMINALS	2,5 mm^2 max
2 MONITORED SOUNDER OUTPUTS	2 x 250 mA	HOUSING COLOUR	RAL 7021
2 AUX. POWER SUPPLY OUTPUTS	2 x 250 mA (resettable and non-resettable)	MATERIAL	ABS V0

TFT 4.3" EXTING. RP1R-2PLUS/SUPRA

PART. NO TFT-SUPRA

REPEATER PANEL FOR EXTING. RP1R

PART. NO RP1R-RPT

FIRE PANEL ADR/ABLE RS 232 I/FACE

PART. NO VSN-232

RS485 BOARD CONV.SUPRA & EXT.RP1R PANEL

PART. NO VSN-485

FIRE PANEL ADR/ABLE RELAY CARD

PART. NO VSN-4REL

INTERFACE RS232/485 TO IP 10/100MHZ

PART. NO TG-IP1-SEC

BASIC DONGLE FOR TG WITHOUT LICENS

PART. NO TG-BASE

GRAPHIC SOFT. CONVENT. PANEL

PART. NO TG-C

MANUAL RELEASE MCP EXTINGUISHING YELLOW, INDOOR

The Call Points can be used as part of a system to efficiently manage the release of any extinguishing gas in accordance with EN12094-3:2003.

The non-addressable Call Point range is designed for indoor (IP24D) use.

PART. NO M3A-Y000SG-K013-65

FEATURES

- Easy cable access simplifies installation
- Range of installation options, for indoor (IP24D) applications
- Independently verified by Bureau Veritas to EN12094-3:2003
- High quality materials maximize operational life
- Modern aesthetics and compact design with anti-tamper features

ACCESSORIES

SC070 Packk of 10 test keys
MUS155 Pack of 5 glass elements
PS200 Plain hinged cover

TECHNICAL SPECIFICATION

MAX VOLTAGE	30VDC	DIMENSIONS	W: 92 mm H: 105 mm D: 30 mm
CURRENT RATING	2 A	WEIGHT	220 g
OPERATING TEMPERATURE	-10°C to +55°C	PLUG-IN TERMINALS	0.5 to 2.5 mm^2
OPERATING HUMIDITY	93% +-3%	HOUSING COLOUR	Yellow
PROTECTION	IP24D	MATERIAL	PC/ABS

EMERGENCY STOP MCP EXTINGUISHING BLUE, INDOOR

The Call Points can be used as part of a system to efficiently manage the release of any extinguishing gas in accordance with EN12094-3:2003.

The non-addressable Call Point range is designed for indoor (IP24D) use.

PART. NO M3A-B000SG-K013-66

FEATURES

- Easy cable access simplifies installation
- Range of installation options, for indoor (IP24D) applications
- Independently verified by Bureau Veritas to EN12094-3:2003
- High quality materials maximize operational life
- Modern aesthetics and compact design with anti-tamper features

ACCESSORIES

SC070 Packk of 10 test keys
MUS155 Pack of 5 glass elements
PS200 Plain hinged cover

TECHNICAL SPECIFICATION

MAX VOLTAGE	30VDC	DIMENSIONS	W: 92 mm H: 105 mm D: 30 mm
CURRENT RATING	2 A	WEIGHT	220 g
OPERATING TEMPERATURE	-10°C to +55°C	PLUG-IN TERMINALS	0.5 to 2.5 mm^2
OPERATING HUMIDITY	93% +-3%	HOUSING COLOUR	Blue
PROTECTION	IP24D	MATERIAL	PC/ABS

MANUAL RELEASE MCP EXTINGUISHING YELLOW, OUTDOOR

The Call Points can be used as part of a system to efficiently manage the release of any extinguishing gas in accordance with EN12094-3:2003.

The non-addressable Call Point range is designed for outdoor (IP67) use.

PART. NO W3A-Y000SG-K013-65

FEATURES

- Easy cable access simplifies installation
- Range of installation options, for indoor (IP24D) applications
- Independently verified by Bureau Veritas to EN12094-3:2003
- High quality materials maximize operational life
- Modern aesthetics and compact design with anti-tamper features

ACCESSORIES

SC070 Packk of 10 test keys
MUS155 Pack of 5 glass elements
PS200 Plain hinged cover

TECHNICAL SPECIFICATION

MAX VOLTAGE	30VDC	DIMENSIONS	W: 97.6 mm H: 105 mm D: 30 mm
CURRENT RATING	2 A	WEIGHT	350 g
OPERATING TEMPERATURE	-10°C to +55°C	PLUG-IN TERMINALS	0.5 to 2.5 mm^2
OPERATING HUMIDITY	93% +-3%	HOUSING COLOUR	Yellow
PROTECTION	IP 67	MATERIAL	PC/ABS

EMERGENCY STOP MCP EXTINGUISHING BLUE, OUTDOOR

The Call Points can be used as part of a system to efficiently manage the emergency stop of any extinguishing gas in accordance with EN12094-3:2003.

The non-addressable Call Point range is designed for outdoor (IP67) use.

PART. NO W3A-B000SG-K013-66

FEATURES

- Easy cable access simplifies installation
- Range of installation options, for indoor (IP24D) applications
- Independently verified by Bureau Veritas to EN12094-3:2003
- High quality materials maximize operational life
- Modern aesthetics and compact design with anti-tamper features

ACCESSORIES

SC070 Packk of 10 test keys

MUS155 Pack of 5 glass elements

PS200 Plain hinged cover

TECHNICAL SPECIFICATION

MAX VOLTAGE	30VDC	DIMENSIONS	W: 97.6 mm H: 105 mm D: 30 mm
CURRENT RATING	2 A	WEIGHT	350 g
OPERATING TEMPERATURE	-10°C to +55°C	PLUG-IN TERMINALS	0.5 to 2.5 mm^2
OPERATING HUMIDITY	93% +-3%	HOUSING COLOUR	Blue
PROTECTION	IP 67	MATERIAL	PC/ABS

SIGN BOARDS

FIRE ALARM SYSTEM

SIGN BOARD "FUEGO/FOGO" WHITE EN54.3/23

PAN1-PLUS is a Visual-Acoustical Device designed for all installations in fire detection systems, offices, hotels, malls, hospital and industrial environments. Conventional extinction indicator panel EN 54.3/23. White with Red film and red writing.

Serial film FUEGO. PAN1-PLUS is manufactured with not combustible, self-extinguishing and retardant materials.

PART. NO PAN1-PLUS-W-SP

TECHNICAL SPECIFICATION

INTERIOR LIGHT SIGN	24V DC: 100mA	INTERNAL SIREN	307x117x55mm

SIGN BOARD EXTINCION DISPARADA YELLOW EN54.3/23

PAN1-PLUS is a Visual-Acoustical Device designed for all installations in fire detection systems, offices, hotels, malls, hospital and industrial environments.

Conventional extinction indicator panel EN 54.3/23 Yellow exterior with gray sign and white text.

A model is specifically indicated for Extinguishing Systems and is available in same matt yellow RAL color of the call point and provided with two alternate text films for the alarm indication inside and outside the room. PAN1-PLUS is available also without the flash (certified only to EN54-3). PAN1-PLUS is manufactured with not combustible, self-extinguishing and retardant materials.

PART. NO PAN1-PLUS-Y-SP

FEATURES

- Light and sound panel with high luminosity LEDs
- Used as an > acoustic and visual emergency signal in a dangerous risk condition
- Designed for indoor use only and surface mounting
- CPR

TECHNICAL SPECIFICATION

OPERATING TEMPERATURE	10°C to +55°C	IP RATING	41C
CERTIFIED	1293 - CPR - 0597	POWER	1,7 W @24V; 2,4 (DIP7 OFF)
REGULATION	EN54-3:2001 + A1:2002 + A2:2006, EN54-23:2010	NOMINAL SUPPLY VOLTAGE	24Vcc (20÷30Vcc)
VOLUME COVERAGE	11 (L) x 11 (W) x 5 (H)	FLASH	Frequency 0,6Hz
CATEGORY	Device for wall or recess mounting installation	CURRENT	100mA average, 140mA peak, 70/90mA low consumption
TYPE: A	For internal environments	INTERNAL BUZZER	Intermittent sound 1983Hz.
DIMENSIONS	307 x 117 x 55 mm	MAIN SOUND PATTERN	Pulsed sound a 1.2Hz
WEIGHT	539 gr	AVAILABLE SOUNDS	Modulated, pulsed, bitonal, continuous

EXISTENT LABEL FOR PAN1-PLUS-W

The Text label film is made of PMMA (Polymethyl-methacrylate), a slow flammability material. Text on film, on dark red/ grey background, is lighted and visible when the panel is activated in alarm condition.

Available also in different colors: matt white, fire red and matt grey for industrial environments or selectable from a list of RAL colors at our offices.

PART. NO LAB-PAN1-W

TECHNICAL SPECIFICATION

OPERATING TEMPERATURE	10°C to +55°C	IP RATING	41C
CERTIFIED	1293 - CPR - 0597	POWER	1,7 W @24V; 2,4 (DIP7 OFF)
REGULATION	EN54-3:2001 + A1:2002 + A2:2006, EN54-23:2010	NOMINAL SUPPLY VOLTAGE	24Vcc (20÷30Vcc)
VOLUME COVERAGE	11 (L) x 11 (W) x 5 (H)	FLASH	Frequency 0,6Hz
CATEGORY	Device for wall or recess mounting installation	CURRENT	100mA average, 140mA peak, 70/90mA low consumption
TYPE: A	For internal environments	INTERNAL BUZZER	Intermittent sound 1983Hz.
DIMENSIONS	307 x 117 x 55 mm	MAIN SOUND PATTERN	Pulsed sound a 1.2Hz
WEIGHT	539 gr	AVAILABLE SOUNDS	Modulated, pulsed, bitonal, continuous

RECESSED BOX FOR PAN1-PLUS

Flush-mounted box for PAN1-PLUS.

PART. NO PAN1-PLUS-INC

METAL BRACKET FOR PAN1-PLUS

PAN1-PLUS-SC Bracket is a Metal bracket for ceiling and flag mounting for PAN1-PLUS.

PART. NO	PAN1-PLUS-SC

TECHNICAL SPECIFICATION

MATERIAL	Metal

POLYCARBONATE FILM "FIRE ALARM" TEXT, RED BACKGROUND

Polycarbonate film with the wording "FIRE ALARM" for PAN1-PLUS - Red background with Red writing.

PART. NO	P-PAN1-P-FAL-R

TECHNICAL SPECIFICATION

INTERIOR LIGHT SIGN	24V DC: 100mA	NTERNAL SIREN	307x117x55mm

POLYCARBONATE FILM "NO ENTRY" TEXT, GRAY BACKGROUND

Polycarbonate film with the writing “NO ENTRY” for PAN1-PLUS - Gray background and White writing.

PART. NO P-PAN1-P-NEN-G

SERIGRAPHIC FILM FOR PAN1-PLUS

Films for PAN1-PLUS with personalized description sold in packs of 10 and in multiples of 10.

PART. NO TXT-PAN1-PLUS


EXIT
EXIT

CO DETECTION

GAS DETECTION SYSTEM

CO DETECTION PANEL FOR 1/2 ZONES

The PARK2000 carbon monoxide detection panels is specially designed for application in garages with 1 up to 2 CO detection zones. Each zone supports a maximum of 16 NCO100 detectors distributed over a line of up to 500m in length, with 1.5mm^2 cable section, twisted and shielded. They have a control module with an LCD screen that displays the alarm and fault levels of each zone and allows the reading of CO concentration per zone in sequential mode.

The control unit has direct user functions, accessible by key or pass code. It is possible to recognize events, silence sirens or activate the extractors if the manual mode has been configured. All the main programming functions can be performed from the keypad located on the control unit.

PART. NO PARK2000

FEATURES

- LCD display indicating the alarm levels and faults of each zone
- Reading of the CO concentration in each zone
- 1 up or 2 CO detection zones
- Up to 16 NCO100 CO detectors per zone
- Up to 1000 m cable length per zone

ACCESSORIES

P-100 Zone module for PARK systems

NCO100 CO detector and socket for PARK systems

TECHNICAL SPECIFICATION

POWER SUPPLY	230V AC +-10%	DIMENSIONS	W: 228 mm H: 272 mm D: 94 mm
MAX POWER CONSUMPTION	8.4W @ 24V DC (per zone module)	WEIGHT	3.4 KG
OPERATING TEMPERATURE	-10°C to +55°C	ZONE TERMINALS	1,5 mm^2 max
OPERATING HUMIDITY	95% max. RH Panel sealing: IP30		

CO PANEL 3/5 ZONES NOTIFIER

The PARK2000 carbon monoxide detection panels is specially designed for application in garages with 3 up to 5 CO detection zones. Each zone supports a maximum of 16 NCO100 detectors distributed over a line of up to 500m in length, with 1.5mm^2 cable section, twisted and shielded. They have a control module with an LCD screen that displays the alarm and fault levels of each zone and allows the reading of CO concentration per zone in sequential mode.

The control unit has direct user functions, accessible by key or pass code. It is possible to recognize events, silence sirens or activate the extractors if the manual mode has been configured. All the main programming functions can be performed from the keypad located on the control unit.

PART. NO PARK5000

FEATURES

- LCD display indicating the alarm levels and faults of each zone
- Reading of the CO concentration in each zone
- 3 up to 5 CO detection zones
- Up to 16 NCO100 CO detectors per zone
- Up to 1000 m cable length per zone

ACCESSORIES

P-100 Zone module for PARK systems

NCO100 CO detector and socket for PARK systems

TECHNICAL SPECIFICATION

POWER SUPPLY	230V AC +-10%	DIMENSIONS	W: 357 mm H: 382 mm D: 94 mm
MAX POWER CONSUMPTION	8.4W @ 24V DC (per zone module)	WEIGHT	5.6 KG
OPERATING TEMPERATURE	-10°C to +55°C	ZONE TERMINALS	1,5 mm^2 max
OPERATING HUMIDITY	95% max. RH Panel sealing: IP30		

1 ZONE MODULE NOTIFIER PARK

1-zone module for expansion of Park series monoxide detection units.

Each module supports a maximum of 16 detectors and has 10 status leds, 2 level relays and 1 alarm relay.

PART. NO P-100

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	24 Vcc	**WEIGHT**	Aprox. 240 g
OPERATING TEMPERATURE	-10 °C ... 50 °C		

CO DETECTOR NOTIFIER PARK+SOCKET

The NCO100 carbon monoxide (CO) detector is designed for use with the PARK detection system in car parks and other enclosed spaces where levels of CO gas must be monitored and controlled effectively.

PART. NO NCO100

TECHNICAL SPECIFICATION

CARBON MONOXIDE MEASUREMENT RANGE	0 ppm to 300 ppm	**DIMENSIONS**	Ø: 100 mm H: 70 mm (incl. Socket)
WEIGHT	100 g		

CONVENTIONAL MULTI-GAS DETECTION SYSTEM

GAS DETECTION SYSTEM

CONVENTIONAL MULTI-GAS DETECTION SYSTEM

GAS DETECTION SYSTEM

8 ZONES GAS DETECTION PANEL

Central gas detection system with 8 zones to which it is possible to connect a toxic or explosive gas detector of proportional type 4-20mA. LCD display with 4 lines of 16 characters, membrane keyboard with protected access via mechanical key, 6 programmable relay outputs for pre-alarm, alarm and general fault with threshold management.

The system allows to have up to 22 programmable outputs through an optional board (NFG-16R). Equipped with LED signaling for pre-alarm 1, pre-alarm 2, alarm, sensor disabled and fault. ATEX and SIL1 certified.

PART. NO NFG-8

FEATURES

- 8 selectable languages
- Programmable labels: 32 characters
- Programmable alarm threshold for sensors
- Decision algorithms for alarm, pre-alarm and fault criteria
- Logging file of 1.000 events consultable from display and downloadable on PC
- Real time clock
- Key switch with 3 positions for enabling control functions
- TEST and MAINTENANCE modes of the system
- 6 programmable Relay outputs with 8A 250V contacts on board, expandable with 16 relays 6A 250V board
- Each output can be used as potential-free NO or NC contact
- PC programming via the RS232 serial port or USB

ACCESSORIES

NFG-16REL – 16 relay card for NFG-8

CAL-GAS – Acces. RIV - Calibration module for VGS

SKBR3N – 3 relay card for VGS detect

STGD/AD2 – Ghiera RIV.GAS 35mm ATEX GD

STGD/AD3 – Dual input module - Notifier

M721E – Detector gas UPG Sens T3 Dust Protection

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	100÷240Vac +/- 15%, 10VA max 50÷60Hz	STORAGE TEMPERATURE	-20 °C to +60 °C
CURRENT CONSUMPTION	750mA @ 220Vac	RELATIVE HUMIDITY (OPERATION)	15 to 85% (non-condensing)
BATTERY CHARGING	27,6 Vdc - 2,7A (with temperature compensation)	RELATIVE HUMIDITY (STORAGE)	5 to 85% (non-condensing)
RECOMMENDED BATTERIES (NOT INLCUDED)	2 x 7 Ah	DEGREE OF PROTECTION	IP 42
UTILITY OUTPUTS	27,6 Vdc (+3% +/ -18%) 1 A each and protected by fuse	MATERIAL	ABS
RELAY CONTACTS CAPACITY IN CENTRAL UNIT	8A 250Vac	DIMENSIONS	420 x 380 x 160 mm
RELAY CONTACTS CAPACITY OPTIONAL BOARD	6A 250Vac	WEIGHT	4 KG (without batteries)
OPERATING TEMPERATURE	0 °C to +55 °C		

VGS ATEX GAS DETECTORS

4-20mA detector, suitable for AD-PE classified installations. Proportional output 4-20mA. Connected to centrally powered modules.

Possible use with relay board on dual threshold switchboards with pre-alarm at 10mA and alarm at 20mA.

PART. NO	DESCRIPTION
VGS.AD-AA	Acetylene Acetate Gas Detector in EEX D Certified Box
VGS.AD-AM	Ammonia Detector in EEX D Certified Box
VGS.AD-AB	Butyl Acetate Catalytic Detector in EEX D Certified Box
VGS.AD-AT	Acetone Detector in EEX D Certified Box
VGS.AD-AC	Acetylene Detector in EEX D Certified Box
VGS.AD-BT	Butanol Detector in EEX D Certified Box
VGS.AD-AE	Ethyl Acetate Detector in EEX D Certified Box
VGS.AD-BU	Butane Detector in EEX D Certified Box
VGS.AD-CES	Cycle Hexane Gas Detector in EEX D Certified Box
VGS.AD-CO2/2	Carbon Dioxide Detector in EEX D Certified Box 20000PPM
VGS.AD-CO2/30	Carbon Dioxide Detector in EEX D Certified Box 300000PPM
VGS.AD-CO2/5	Carbon Dioxide Detector in EEX D Certified Box 50000PPM
VGS.AD-COE	Carbon Monoxide Detector in EEX D Certified Box 500PPM
VGS.AD-CP	Cyclopentane Detector in EEX D Certified Box
VGS.AD-EL	Ethylene Detector in EEX D Certified Box
VGS.AD-EN	Ethane Detector in EEX D Certified Box
VGS.AD-EP	Heptane Detector in EEX D Certified Box
VGS.AD-ES	Hexane Detector in EEX D Certified Box
VGS.AD-ET	Ethyl Alcohol Detector in EEX D Certified Box
VGS.AD-GP	LPG Detector in EEX D Certified Box

CONVENTIONAL MULTI-GAS DETECTION SYSTEM

GAS DETECTION SYSTEM

VGS ATEX GAS DETECTORS

PART. NO	DESCRIPTION
VGS.AD-H2	Hydrogen Detector in EEX D Certified Box
VGS.AD-H2S	Hydrogen Sulphide Detector in EEX D Certified Box 50PPM
VGS.AD-IB	Isobutane Detector in EEX D Certified Box
VGS.AD-IP	Isoprop Alcohol Detector Box
VGS.AD-JP8	Kerosene Detector in EEX D Certified Box
VGS.AD-ME	Methane Detector in EEX D Certified Box
VGS.AD-MK	Methyletilketone Detector in EEX D Certified Box
VGS.AD-MT	Methyl Alcohol Detector in EEX D Certified Box
VGS.AD-NH	Ammonia NH3 Detector in EEX D Certified Box 200PPM
VGS.AD-NN	Nonane Gas Detector in EEX D Certified Box
VGS.AD-NO	Nitrogen Monoxide Detector in EEX D Certified Box 100PPM
VGS.AD-O2	Oxygen Detector in EEX D Certified Box
VGS.AD-PE	Pentane Detector in EEX D Certified Box
VGS.AD-PN	Propyl Alcohol Detector in EEX D Certified Box
VGS.AD-PP	Propene Detector in EEX D Certified Box
VGS.AD-PR	Propane Detector in EEX D Certified Box
VGS.AD-SO2	Sulfuric Anhydride Detector in EEX D Certified Box 20PPM
VGS.AD-STI	Styrene Detector in EEX D Certified Box
VGS.AD-TO	Toluene Detector in EEX D Certified Box
VGS.AD-VB	Gasoline Vapours Detector in EEX D Certified Box
VGS.AD-XI	Xylene Detector in EEX D Certified Box

FEATURES

- Self-diagnostic procedure to control the detector main operational parts, both hardware and sensing element
- Zero point tracking to compensate possible drifts due to thermal or physical variations of the sensor
- Digital filter employed in the digital analysis of the analogue values sampled
- Hysteresis cycle applied to the outputs to eliminate continuous switching
- Watch-dog for the microprocessor control

VGS ATEX GAS DETECTORS

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	12-24Vdc
POWER CONSUMPTION	Max. 180mA
OPERATING TEMPERATURE	-10 °C to + 55 °C
STORAGE TEMPERATURE	-25 / + 60 °C
RELATIVE HUMIDITY	Up to 90%
PROPORTIONAL OUTPUT	4-20 mA (default)
RELAY OUTPUT (OPTIONAL)	10 mA (pre-alarm) / 20mA (alarm)
WEIGHT	700g
DIMENSION (LXHXD)	105 x 200 x 110 mm
ATEX CERTIFICATE	CESI01ATEX053 in compliance with: EN50014:1997+A1..A2 & EN50018: 2000

ACCESSORIES

CAL-GAS 3 relay module for VGS Detectors Series
SKBR3N VGS Detectors Series calibration module
STGD/AD2 Ring nut 35mm ATEX GD
STGD/AD3 Ring nut 46mm ATEX GD

EEX D CERTIFIED BOX GAS DETECTORS

Chlorine / GAS / Butane Gas Detectors with Infrared Sensor. In EEx certified container, suitable for installations in classified AD-PE range 4-20mA proportional output. Measuring range 0 to 100% LEL.

Optional 3-relay output card. Zerointerferometer to control possible drifts. Continuous self-diagnosis of the system. ATEX II2G certifications, and SIL1 certifications (EN50402 & IEC61508 1 to 7).

Nitrogen dioxide detector suitable for installations in AD-PE classified environments. 4-20mA proportional output. Measure area 0 to 20 ppm. Can be connected to addressable control panel through suitable module.

Gas detector R1234YF (coolant) with Infrared sensor. In EEx certified container suitable for installations in classified AD-PE environment. Proportional output 4-20mA. Measuring range from 0 to 2,000 ppm. Optional 3-relay output card.

Tetrafluoroethane R134A (coolant) gas detector with Infrared sensor. In EEx certified container suitable for installations in classified AD-PE environment. Proportional output 4-20mA. Measuring range from 0 to 2000 ppm.

Difluoromethane gas detector with Infrared sensor. In EEx certified container suitable for installations in classified AD-PE environment.

PART. NO	DESCRIPTION
VGS.AD-CL	Chlorine Detector in EEX D Certified Box 20PPM
VGS.AD-ES/IR	Gas Exhaust Detector in EEX D Certified Box
VGS.AD-IB/IR	Butan Detector in EEX D Certified Box
VGS.AD-NO2	Nitrogen Dioxide Detector in EEX D Certified Box 20PPM
VGS.AD-R1234YF/IR	R1234YF Gas Detector in EEX D Certified Box 2000PPM
VGS.AD-R134A/IR	Tetrafluors Gas Detector in EEX D Certified Box 2000PPM
VGS.AD-R32/IR	Difluoromethane Gas Detector in EEX D Certified Box

FEATURES

- Self-diagnostic procedure to control the detector main operational parts, both hardware and sensing element
- Zero point tracking to compensate possible drifts due to thermal or physical variations of the sensor
- Digital filter employed in the digital analysis of the analogue values sampled
- Hysteresis cycle applied to the outputs to eliminate continuous switching
- Watch-dog for the microprocessor control

EEX D CERTIFIED BOX GAS DETECTORS

ACCESSORIES

CAL-GAS 3 relay module for VGS Detectors Series
SKBR3N VGS Detectors Series calibration module
STGD/AD2 Ring nut 35mm ATEX GD
STGD/AD3 Ring nut 46mm ATEX GD

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	12-24Vdc
POWER CONSUMPTION	max. 180mA
OPERATING TEMPERATURE	-10 ° C to + 55 ° C
STORAGE TEMPERATURE	-25 / + 60 °C
RELATIVE HUMIDITY	up to 90%
WEIGHT	700g
RELAY OUTPUT (OPTIONAL)	10 mA (pre-alarm) / 20mA (alarm)
PROPORTIONAL OUTPU	4-20 mA (default)
DIMENSION (LXHXD)	105 x 200 x 110 mm
ATEX CERTIFICATE	CESI01ATEX053 in compliance with: EN50014:1997+A1..A2 & EN50018: 2000

GAS DETECTORS WITH DISPLAY IN EEX D CERTIFIED BOX

Methane / Ammonia detectors with Infrared sensor and LCD dislpay in EEx certified container. D. Proportional output 4-20mA. Measuring range 0 to 100% LEL. Zero Tracker to counter possible drifts.

Continuous self-diagnosis of the system. Optional 3-relay output card. ATEX II2G certifications, and SIL1 certifications (EN50402 & IEC61508 1 to 7).

Hydrogen catalytic detector with Display suitable for installations in AD-PE classified environments. 4-20mA proportional output. Can be connected to addressable control panel through suitable module.

Can be used with relay board on double threshold control panel with pre-alarm 10mA and alarm 20mA.

PART. NO	DESCRIPTION
VGS.AD-ME/IR-LCD	Methane Detector with Display in EEX D Certified Box
VGS.AD-NH1-LCD	Ammonia NH3 Detector with Display in EEX D Certified Box 1000PPM
VGS-AD-H2-LCD	Hydrogen Detector. 4-20mA, 0-100%LEL
VGS.AD-NH-LCD	Ammonia NH3 Detector with Display in EEX D Certified Box 200PPM
VGS.AD-NH3-LCD	Ammonia NH3 Detector with Display in EEX D Certified Box 5000PPM

FEATURES

- Self-diagnostic procedure to control the detector main operational parts, both hardware and sensing element
- Zero point tracking to compensate possible drifts due to thermal or physical variations of the sensor
- Digital filter employed in the digital analysis of the analogue values sampled
- Hysteresis cycle applied to the outputs to eliminate continuous switching
- Watch-dog for the microprocessor control

ACCESSORIES

CAL-GAS 3 relay module for VGS Detectors Series
SKBR3N VGS Detectors Series calibration module
STGD/AD2 Ring nut 35mm ATEX GD
STGD/AD3 Ring nut 46mm ATEX GD

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	12-24Vdc	**WEIGHT**	700g
POWER CONSUMPTION	max. 180mA	**RELAY OUTPUT (OPTIONAL)**	10 mA (pre-alarm) / 20mA (alarm)
OPERATING TEMPERATURE	-10 ° C to + 55 ° C	**PROPORTIONAL OUTPU**	4-20 mA (default)
STORAGE TEMPERATURE	-25 / + 60 °C	**DIMENSION (LXHXD)**	105 x 200 x 110 mm
RELATIVE HUMIDITY	up to 90%	**ATEX CERTIFICATE**	CESI01ATEX053 in compliance with: EN50014:1997+A1..A2 & EN50018: 2000

DUST-PROOF BOX DETECTORS

Butane detector in dust-proof box. The catalytic sensor assures alarm signal through 4-20mA proportional output. Can be connected to addressable control panel through suitable module.

Chlorine detector in dust-proof box.
The electrochemical cell assures alarm signal through 4-20mA proportional output. Measure area 0 to 20 ppm. Can be connected to addressable control panel through suitable module.

Carbon monoxide detector in dust-proof box.
The electrochemical cell assures alarm signal through 4-20mA proportional output. Measure area 0 to 500 ppm. Can be connected to addressable control panel through suitable module.

LPG detector in dust-proof box. The catalytic sensor assures alarm signal through 4-20mA proportional output. Can be connected to addressable control panel through suitable module.

Hydrogen sulphide detector in dust-proof box.
The electrochemical cell assures alarm signal through 4-20mA proportional output. Measure area 0 to 50 ppm. Can be connected to addressable control panel through suitable module.

Methane detector in dust-proof box. The catalytic sensor assures alarm signal through 4-20mA proportional output.

Ammonia NH3 detector in dust-proof box.
The electrochemical cell assures alarm signal through 4-20mA proportional output. Measure area 0 to 1000 ppm. Can be connected to addressable control panel through suitable module. Can be used with relay board on double threshold control panel with pre-alarm 10mA and alarm 20mA.

PART. NO	DESCRIPTION
VGS.DU-BU	Butane Detector in Dust-Proof Box
VGS.DU-CL	Chlorine Detector in IP 55 Dust-Proof Box 20PPM
VGS.DU-COE	Carbon Monoxide Detector in IP 55 Dust-Proof Box 500PPM
VGS.DU-GP	LPG Detector in Dust-Proof Box
VGS.DU-H2S	Hydrogen Sulphide Detector in IP 55 Dust-Proof Box 50PPM
VGS.DU-ME	Methane Detector in Dust-Proof Box
VGS.DU-NH	Ammonia NH3 Detector in IP 55 Dust-Proof Box 200PPM
VGS.DU-NH1	Ammonia NH3 Detector in IP 55 Dust-Proof Box 1000PPM

CONVENTIONAL MULTI-GAS DETECTION SYSTEM

GAS DETECTION SYSTEM

IP 55 DUST-PROOF BOX DETECTORS

FEATURES

- Self-diagnostic procedure to control the detector main operational parts, both hardware and sensing element
- Zero point tracking to compensate possible drifts due to thermal or physical variations of the sensor
- Digital filter employed in the digital analysis of the analogue values sampled
- Hysteresis cycle applied to the outputs to eliminate continuous switching
- Watch-dog for the microprocessor control

ACCESSORIES

CAL-GAS 3 relay module for VGS Detectors Series

SKBR3N VGS Detectors Series calibration module

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	12-24Vdc
POWER CONSUMPTION	max. 180mA
OPERATING TEMPERATURE	-10 ° C to + 55 ° C
STORAGE TEMPERATURE	-25 / + 60 °C
RELATIVE HUMIDITY	up to 90%
WEIGHT	400g
RELAY OUTPUT (OPTIONAL)	10 mA (pre-alarm) / 20mA (alarm)
PROPORTIONAL OUTPU	4-20 mA (default)
DIMENSION (LXHXD)	106 x 180 x 62 mm

IP 55 DUST-PROOF BOX DETECTORS

Nitrogen monoxide detector in dust-proof box. The electrochemical cell assures alarm signal through 4-20mA proportional output. Measure area 0 to 30%. Can be connected to addressable control panel through suitable module. Can be used with relay board on double threshold control panel with pre-alarm 10mA and alarm 20mA.

Nitrogen dioxide detector in dust-proof box. The electrochemical cell assures alarm signal through 4-20mA proportional output. Measure area 0 to 20 ppm. Can be connected to addressable control panel through suitable module.

Oxygen detector in dust-proof box. The electrochemical cell assures alarm signal through 4-20mA proportional output. Measure area 0 to 30%. Can be connected to addressable control panel through suitable module.

Propane detector in dust-proof box. The catalytic sensor assures alarm signal through 4-20mA proportional output. Can be connected to addressable control panel through suitable module.

Sulphur dioxide detector in dust-proof box. The electrochemical cell assures alarm signal through 4-20mA proportional output. Measure area 0 to 20 ppm. Can be connected to addressable control panel through suitable module.

Gasoline vapours detector in dust-proof box. The catalytic sensor assures alarm signal through 4-20mA proportional output. Can be connected to addressable control panel through suitable module.

Can be used with relay board on double threshold control panel with pre-alarm 10mA and alarm 20mA.

PART. NO	DESCRIPTION
VGS.DU-NO	Nitrogen Monoxide Detector in IP 55 Dust-Proof Box
VGS.DU-NO2	Nitrogen Dioxide Detector in IP 55 Dust-Proof Box 20PPM
VGS.DU-O2	Oxygen Detector in IP 55 Dust-Proof BoX
VGS.DU-PR	Propane Detector in Dust-Proof Box
VGS.DU-SO2	Sulphur Dioxide Detector in IP 55 Dust-Proof Box 20PPM
VGS.DU-VB	Gasoline Detector in Dust-Proof Box

CONVENTIONAL MULTI-GAS DETECTION SYSTEM

GAS DETECTION SYSTEM

IP 55 DUST-PROOF BOX DETECTORS

FEATURES

- Self-diagnostic procedure to control the detector main operational parts, both hardware and sensing element
- Zero point tracking to compensate possible drifts due to thermal or physical variations of the sensor
- Digital filter employed in the digital analysis of the analogue values sampled
- Hysteresis cycle applied to the outputs to eliminate continuous switching
- Watch-dog for the microprocessor control

ACCESSORIES

CAL-GAS 3 relay module for VGS Detectors Series

SKBR3N VGS Detectors Series calibration module

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	12-24Vdc
POWER CONSUMPTION	max. 180mA
OPERATING TEMPERATURE	-10 ° C to + 55 ° C
STORAGE TEMPERATURE	-25 / + 60 °C
RELATIVE HUMIDITY	up to 90%
WEIGHT	400g
RELAY OUTPUT (OPTIONAL)	10 mA (pre-alarm) / 20mA (alarm)
PROPORTIONAL OUTPU	4-20 mA (default)
DIMENSION (LXHXD)	106 x 180 x 62 mm

CARBON DIOXIDE DETECTOR IN DUST-PROOF BOX

Carbon dioxide detector in dust-proof box. The IR sensor assures alarm signal through 4-20mA proportional output. Measuring range from 0 to 2%. Can be used with relay board on double threshold control panel with pre-alarm 10mA and alarm 20mA.

Methane detector with Infrared sensor in EEx certified container. Proportional output 4-20mA. Measuring range 0 to 100% LEL. Zero Tracker to counter possible drifts. Continuous self-diagnosis of the system. Optional 3-relay output card. ATEX II2G certifications, and SIL1 certifications (EN50402 & IEC61508 1 to 7).

R125 gas detector with Infrared sensor. In EEx Zone 2 certified container. Proportional output 4-20mA. Zero Tracker to counter possible drifts. Continuous self-diagnosis of the system. Optional 3-relay output card. Operating voltage 12-24Vdc.

R404 gas detector with Infrared sensor. In EEx Zone 2 certified container. Proportional output 4-20mA. Zero Tracker to counter possible drifts. Continuous self-diagnosis of the system. Optional 3-relay output card. Operating voltage 12-24Vdc. .

PART. NO	DESCRIPTION	PART. NO	DESCRIPTION
VGS.DU-CO2	Carbon Dioxide Detector in Dust-Proof Box	VGS.DU-CO2/5	Carbon Dioxide Detector in Dust-Proof Box 50000 PPM
VGS.DU-CO2/0.5	Carbon Dioxide Detector in Dust-Proof Box 5000 PPM	VGS.DU-ME/IR	Methane Detector in Dust-Proof Box
VGS.DU-CO2/2	Carbon Dioxide Detector in Dust-Proof Box 20000 PPM	VGS.DU-R125	R125 Gas Detector in Dust-Proof Box
VGS.DU-CO2/30	Carbon Dioxide Detector in Dust-Proof Box 300000 PPM	VGS.DU-R404A	R404 Gas Detector in Dust-Proof Box

FEATURES

- Self-diagnostic procedure to control the detector main operational parts, both hardware and sensing element
- Zero point tracking to compensate possible drifts due to thermal or physical variations of the sensor
- Digital filter employed in the digital analysis of the analogue values sampled
- Hysteresis cycle applied to the outputs to eliminate continuous switching
- Watch-dog for the microprocessor control

ACCESSORIES

CAL-GAS 3 relay module for VGS Detectors Series

SKBR3N VGS Detectors Series calibration module

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	12-24Vdc	PROPORTIONAL OUTPU	4-20 mA (default)
POWER CONSUMPTION	max. 180mA	RELAY OUTPUT (OPTIONAL)	10 mA (pre-alarm) / 20mA (alarm)
OPERATING TEMPERATURE	-10 ° C to + 55 ° C	WEIGHT	400g
STORAGE TEMPERATURE	-25 / + 60 °C	DIMENSION (LXHXD)	106 x 180 x 62 mm
RELATIVE HUMIDITY	up to 90%		

GAS DETECTORS SERIES E7XX-2 & G7XX-2

GAS DETECTION SYSTEM

ATEX CATALYTIC DETECTORS

The detector is equipped with a head with a catalytic sensor element that measures the concentration of the explosive gas on the LEL (Lower Explosive Limit) scale.

The detector is delivered with a pre-alarm threshold of 15% and an alarm threshold of 30% of the LEL. Optionally, an interface with Android App and a PC software are available, which allow the field testing of the detector, and the modification of detection thresholds, alarm filters, addressing, full scale, etc. The detector is equipped with an ATEX II 2G Ex-d IIC T6 Gb certified explosionproof metal box, housing both the communication electronics and the sensor element, and protected by a sintered filter in a resin-coated steel box. The detector is supplied together with one of the following communication modules which must be selected at order.

PART. NO	DESCRIPTION
E700C-2	Catalytic Methane Detector in ATEX Box
E701C-2	Catalytic Special Gases Detector in ATEX Box. It can be customized to detect these gases: Methanol (Methyl Alcohol), Pentane, Heptane, Ethyl Acetate, Ethylene, Ethanol (Ethyl Alcohol), Butane, Hexane, Isobutane
E702C-2	Catalytic Vapor Benzine Detector in ATEX Box
E704C-2	Catalytic Hydrogen Detector in ATEX Box
E705C-2	Catalytic LPG Detector in ATEX Box
E706C-2	Catalytic Propane Detector in ATEX Box
E709C-2	Catalytic Acetylene Detector in ATEX Box

FEATURES

- Multiple communication modules for all kinds of applications
- Easy replacement of sensor element in case of depletion or failure or directly for wiring on electrical panels
- ATEX II 2G Ex-d IIC T6 Gb certified explosion-proof metal box
- Optionally configuration via Android App and PC software
- Direct connection with ESSER by Honeywell loop transponder
- Modbus Interface for communication to management systems

COMMUNICATION MODULES

PART. NO	DESCRIPTION	PART. NO	DESCRIPTION
ES1-L7	ESSER by Honeywell Interface: absorption output module	G7-42	Analog output module at 4-20 mA
ES2-L7	ESSER by Honeywell Interface: output module with O.C. opto-isolated NPN	G7-RL4	4 relay output module
ES3-L7	ESSER by Honeywell Interface: 3 relay output module for fault, pre-alarm, alarm	G7-MB	Modbus output module

GAS DETECTORS SERIES E7XX-2 & G7XX-2

GAS DETECTION SYSTEM

TECHNICAL SPECIFICATION

PART. NO	E700C-2	E701C-2	E702C-2	E704C-2	E705C-2	E706C-2	E709C-2
SUPPLY VOLTAGE	12/24 Vdc						
DETECTION TYPE (PRE-HEATING OF 150")	Catalytic						
SERVICE LIFE IN OPTIMAL CONDITIONS	3/4 years						
CURRENT CONSUMPTION IN STANDBY MODE	max. 90 mA						
CURRENT CONSUMPTION IN ALARM MODE	max. 110 mA						
OPERATING TEMPERATURE	0°C / +50°C						
TRESHOLD	0-100% LEL						
RESOLUTION	0.05 up to 5%	0.05 up to x%*	0.05 up to 1.6%	0.05 up to 4%	0.05 up to 1.7%		0.05 up to 2.3%
LINEARITY READOUT	±10%						
PRECISION READOUT @ 20°C	±12%						
GAS RESPONSE TIME T90	< 30 seconds						
BOX	ATEX Exd ADPE						
WEIGHT	1000 g						
DIMENSIONS HXWXD (MM)	165 x 90 x 80						
COVERAGE ON INSTALLATION	4/5 m @ ceiling						
CERTIFICATION	ATEX II 2G Ex-d IIC T6 Gb						

*depending on the gas chosen

ATEX ELECTROCHEMICAL DETECTORS

The detector is equipped with an electrochemical cell head that measures the toxic gas concentration on the ppm (parts per million) scale or the volume percentage of the oxygen in the air.

The detector is delivered with a pre-alarm threshold of 100 ppm and an alarm threshold of 200 ppm.

The oxygen versions are with a pre-alarm threshold of 24% vol., and an alarm threshold of 27% vol.

Optionally, an interface with Android App and a PC software are available, which allow the field testing of the detector, and the modification of detection thresholds, alarm filters, addressing, full scale, etc.

The detector is equipped with an ATEX II 2G Ex-d IIC T6 Gb certified explosionproof metal box, housing both the communication electronics and the sensor element, and protected by a sintered filter in a resin-coated steel box.

PART. NO	DESCRIPTION
E703H-2	Electrochemical Carbon monoxide Detector in ATEX Box
E707H-2	Electrochemical Ammonia Detector in ATEX Box
E708H-2	Electrochemical Ammonia Detector in ATEX Box
E710H-2	Electrochemical Oxygen (excess) Detector in ATEX Box
E711H-2	Electrochemical Oxygen (deficiency) Detector in ATEX Box

FEATURES

- Multiple communication modules for all kinds of applications
- Easy replacement of sensor element in case of depletion or failure or directly for wiring on electrical panels
- ATEX II 2G Ex-d IIC T6 Gb certified explosion-proof metal box
- Optionally configuration via Android App and PC software
- Direct connection with ESSER by Honeywell loop transponder
- Modbus Interface for communication to management systems

COMMUNICATION MODULES

PART. NO	DESCRIPTION	PART. NO	DESCRIPTION
ES1-L7	ESSER by Honeywell Interface: absorption output module	G7-42	Analog output module at 4-20 mA
ES2-L7	ESSER by Honeywell Interface: output module with O.C. opto-isolated NPN	G7-RL4	4 relay output module
ES3-L7	ESSER by Honeywell Interface: 3 relay output module for fault, pre-alarm, alarm	G7-MB	Modbus output module

GAS DETECTORS SERIES E7XX-2 & G7XX-2

GAS DETECTION SYSTEM

TECHNICAL SPECIFICATION

PART. NO	E703H-2	E707H-2	E708H-2	E710H-2	E711H-2
SUPPLY VOLTAGE	12/24 Vdc				
DETECTION TYPE (PRE-HEATING OF 150")	Electrochemical				
SERVICE LIFE IN OPTIMAL CONDITIONS	3 years	1 year		2 years	
CURRENT CONSUMPTION IN STANDBY MODE	max. 40 mA				
CURRENT CONSUMPTION IN ALARM MODE	max. 60 mA				
OPERATING TEMPERATURE	0°C / +50°C				
TRESHOLD	0-500 PPM		0-2000 PPM	21%-42% Vol	21%-0% Vol
RESOLUTION	1 PPM up to F.S.			0.01 up to F.S.	
LINEARITY READOUT	±3%				
PRECISION READOUT @ 20°C	±3%				
GAS RESPONSE TIME T90	< 60 seconds				
BOX	ATEX Exd ADPE				
WEIGHT	1000 g				
DIMENSIONS HXWXD (MM)	165 x 90 x 80				
COVERAGE ON INSTALLATION	4 m @ 160 cm				
CERTIFICATION	ATEX II 2G Ex-d IIC T6 Gb				

GAS EE-XD SEMIC. NH3 MAX 50/80mA, 0-500 PPM

PART. NO E707S-2

GAS EE-XD SEMIC. NH3 MAX 50/80mA, 0-2000 PPM

PART. NO E708S-2

CATALYTIC METHANE DETECTOR IN IP55 BOX

The detector is equipped with a head with a catalytic sensor element that measures the concentration of the explosive gas on the LEL (Lower Explosive Limit) scale.

The detector is delivered with a pre-alarm threshold of 15% and an alarm threshold of 30% of the LEL.

Optionally, an interface with Android App and a PC software are available, which allow the field testing of the detector, and the modification of detection thresholds, alarm filters, addressing, full scale, etc.

The detector is equipped with an ADFT IP55 certified dust-proof metal box, housing both the communication electronics and the sensor element, positioned in the lower part, and protected by a special stainless-steel mesh.

The detector is supplied together with one of the following communication modules which must be selected at order.

PART. NO	DESCRIPTION
G700C-2	Catalytic Methane Detector in IP55 Box
G701C-2	Catalytic Special Gases Detector in IP55 Box. It can be customized to detect these gases: Methanol (Methyl Alcohol), Pentane, Heptane, Ethyl Acetate, Ethylene, Ethanol (Ethyl Alcohol), Butane, Hexane, Isobutane
G702C-2	Catalytic Vapor Benzine Detector in IP55 Box
G704C-2	Catalytic Hydrogen Detector in IP55 Box
G705C-2	Catalytic LPG Detector in IP55 Box
G706C-2	Catalytic Propane Detector in IP55 Box.

FEATURES

- Multiple communication modules for all kinds of applications
- Easy replacement of sensor element in case of depletion or failure
- Dust proof metal housing with IP55 standard for industrial use
- Optionally configuration via Android App and PC software
- Direct connection with ESSER by Honeywell loop transponder
- Modbus Interface for communication to management systems

COMMUNICATION MODULES

PART. NO	DESCRIPTION	PART. NO	DESCRIPTION
ES1-L7	ESSER by Honeywell Interface: absorption output module	G7-42	Analog output module at 4-20 mA
ES2-L7	ESSER by Honeywell Interface: output module with O.C. opto-isolated NPN	G7-RL4	4 relay output module
ES3-L7	ESSER by Honeywell Interface: 3 relay output module for fault, pre-alarm, alarm	G7-MB	Modbus output module

GAS DETECTORS SERIES E7XX-2 & G7XX-2

GAS DETECTION SYSTEM

TECHNICAL SPECIFICATION

PART. NO	G700C-2	G701C-2	G702C-2	G704C-2	G705C-2	G706C-2
SUPPLY VOLTAGE	12/24 Vdc					
DETECTION TYPE (PRE-HEATING OF 150")	Catalytic					
SERVICE LIFE IN OPTIMAL CONDITIONS	3/4 years					
CURRENT CONSUMPTION IN STANDBY MODE	max. 90 mA					
CURRENT CONSUMPTION IN ALARM MODE	max. 110 mA					
OPERATING TEMPERATURE	0°C / +50°C					
TRESHOLD	0-100% LEL					
RESOLUTION	0.05 up to 5%	0.05 up to x%*	0.05 up to 1.6%	0.05 up to 4%	0.05 up to 1.7%	
LINEARITY READOUT	±10%					
PRECISION READOUT @ 20°C	±12%					
GAS RESPONSE TIME T90	< 30 seconds					
BOX	ATEX Exd ADPE					
WEIGHT	370 g					
DIMENSIONS HXWXD (MM)	175 x 100 x 60					
COVERAGE ON INSTALLATION	4/5 m @ ceiling					

*depending on the gas chosen

INFRARED METHANE DETECTOR IN IP55 BOX

The detector is equipped with an infrared detection system capable of distinguishing other types of gas, thus ensuring a perfect selectivity. It measures the concentration of the explosive gas on the LEL (Lower Explosive Limit) scale .

The detector is delivered with a pre-alarm threshold of 15% and an alarm threshold of 30% of the LEL.

Optionally, an interface with Android App and a PC software are available, which allow the field testing of the detector, and the modification of detection thresholds, alarm filters, addressing, full scale, etc.

The detector is equipped with an ADFT IP55 certified dust-proof metal box, housing both the communication electronics and the sensor element, positioned in the lower part, and protected by a special stainless-steel mesh.

PART. NO	DESCRIPTION
G700C-2	Catalytic Methane Detector in IP55 Box
G701C-2	Catalytic Special Gases Detector in IP55 Box. It can be customized to detect these gases: Methanol (Methyl Alcohol), Pentane, Heptane, Ethyl Acetate, Ethylene, Ethanol (Ethyl Alcohol), Butane, Hexane, Isobutane
G702C-2	Catalytic Vapor Benzine Detector in IP55 Box
G704C-2	Catalytic Hydrogen Detector in IP55 Box
G705C-2	Catalytic LPG Detector in IP55 Box
G706C-2	Catalytic Propane Detector in IP55 Box.

FEATURES

- Multiple communication modules for all kinds of applications
- Easy replacement of sensor element in case of depletion or failure
- Dust proof metal housing with IP55 standard for industrial use
- Optionally configuration via Android App and PC software
- Direct connection with ESSER by Honeywell loop transponder
- Modbus Interface for communication to management systems

COMMUNICATION MODULES

PART. NO	DESCRIPTION	PART. NO	DESCRIPTION
ES1-L7	ESSER by Honeywell Interface: absorption output module	G7-42	Analog output module at 4-20 mA
ES2-L7	ESSER by Honeywell Interface: output module with O.C. opto-isolated NPN	G7-RL4	4 relay output module
ES3-L7	ESSER by Honeywell Interface: 3 relay output module for fault, pre-alarm, alarm	G7-MB	Modbus output module

GAS DETECTORS SERIES E7XX-2 & G7XX-2

GAS DETECTION SYSTEM

TECHNICAL SPECIFICATION

PART. NO	G700IR-2	G701IR-2 - BUTANE	G701IR-2 - CO^2	G705IR-2	G706IR-2
SUPPLY VOLTAGE	12/24 Vdc				
DETECTION TYPE (PRE-HEATING OF 150")	Infrared				
SERVICE LIFE IN OPTIMAL CONDITIONS	5 years				
CURRENT CONSUMPTION IN STANDBY MODE	max. 90 mA				
CURRENT CONSUMPTION IN ALARM MODE	max. 110 mA				
OPERATING TEMPERATURE	0°C / +50°C				
TRESHOLD	0-100% LEL		V1 & V2 0-10000 PPM V3 0-30000 PPM	0-100% LEL	
RESOLUTION	0.05 up to 5%	0.05 up to 1.4%	10 PPM / 100 PPM	0.05 up to 1.7%	
LINEARITY READOUT	±5%				
PRECISION READOUT @ 20°C	±5%				
GAS RESPONSE TIME T90	< 30 seconds				
BOX	ADFT IP55				
WEIGHT	370 g				
DIMENSIONS HXWXD (MM)	175 x 100 x 60				
COVERAGE ON INSTALLATION	5 m @ ceiling			approx. 4 meter	approx. 5 meter

PELLISTOR METHANE DETECTOR IN IP55 BOX

The detector is equipped with a head with a Pellistor sensitive element that measures the concentration of the explosive gas on the LEL (Lower Explosive Limit) scale. With this type of sensitive element, the correct reading is ensured, even in bad environmental conditions. The detector is delivered with a pre-alarm threshold of 15% and an alarm threshold of 30% of the LEL. Optionally, an interface with Android App and a PC software are available, which allow the field testing of the detector, and the modification of detection thresholds, alarm filters, addressing, full scale, etc.

The detector is equipped with an ADFT IP55 certified dust-proof metal box, housing both the communication electronics and the sensor element, positioned in the lower part, and protected by a special stainless-steel mesh. The detector is supplied together with one of the following communication modules which must be selected at order.

PART. NO	DESCRIPTION
G700P-2	Pellistor Methane Detector in IP55 Box
G701P-2	Pellistor Special Gases Detector in IP55 Box. It can be customized to detect these gases: Methanol (Methyl Alcohol), Pentane, Heptane, Ethyl Acetate, Ethylene, Ethanol (Ethyl Alcohol), Butane, Hexane, Isobutane
G702P-2	Pellistor Vapor Benzine Detector in IP55 Box
G704P-2	Pellistor Hydrogen Detector in IP55 Box
G705P-2	Pellistor LPG Detector in IP55 Box
G706P-2	Pellistor Propane Detector in IP55 Box

FEATURES

- Multiple communication modules for all kinds of applications
- Easy replacement of sensor element in case of depletion or failure
- Dust proof metal housing with IP55 standard for industrial use
- Optionally configuration via Android App and PC software
- Direct connection with ESSER by Honeywell loop transponder
- Modbus Interface for communication to management systems

COMMUNICATION MODULES

PART. NO	DESCRIPTION	PART. NO	DESCRIPTION
ES1-L7	ESSER by Honeywell Interface: absorption output module	G7-42	Analog output module at 4-20 mA
ES2-L7	ESSER by Honeywell Interface: output module with O.C. opto-isolated NPN	G7-RL4	4 relay output module
ES3-L7	ESSER by Honeywell Interface: 3 relay output module for fault, pre-alarm, alarm	G7-MB	Modbus output module

GAS DETECTORS SERIES E7XX-2 & G7XX-2

GAS DETECTION SYSTEM

TECHNICAL SPECIFICATION

PART. NO	G700P-2	G701P-2	G702P-2	G704P-2	G705P-2	G706P-2
SUPPLY VOLTAGE	12/24 Vdc					
DETECTION TYPE (PRE-HEATING OF 150")	Pellistor					
SERVICE LIFE IN OPTIMAL CONDITIONS	3/4 years					
CURRENT CONSUMPTION IN STANDBY MODE	max. 90 mA					
CURRENT CONSUMPTION IN ALARM MODE	max. 110 mA					
OPERATING TEMPERATURE	0°C / +50°C					
TRESHOLD	0-100% LEL					
RESOLUTION	0.05 up to 5%	0.05 up to x%*	0.05 up to 1.6%	0.05 up to 4%	0.05 up to 1.7%	
LINEARITY READOUT	±10%					
PRECISION READOUT @ 20°C	±10%					
GAS RESPONSE TIME T90	< 30 seconds					
BOX	ADFT IP55					
WEIGHT	370 g					
DIMENSIONS HXWXD (MM)	175 x 100 x 60					
COVERAGE ON INSTALLATION	4/5 m @ ceiling					

*depending on the gas chosen

CATALYTIC SPECIAL GASES DETECTOR IN IP55 BOX

The detector is equipped with a head with a catalytic sensor element that measures the concentration of the explosive gas on the LEL (Lower Explosive Limit) scale.

The detector is delivered with a pre-alarm threshold of 15% and an alarm threshold of 30% of the LEL.

Optionally, an interface with Android App and a PC software are available, which allow the field testing of the detector, and the modification of detection thresholds, alarm filters, addressing, full scale, etc.

The detector is equipped with an ADFT IP55 certified dust-proof metal box, housing both the communication electronics and the sensor element, positioned in the lower part, and protected by a special stainless-steel mesh. The detector is supplied together with one of the following communication modules which must be selected at order.

PART. NO	DESCRIPTION
G700C-2	Catalytic Methane Detector in IP55 Box
G701C-2	Catalytic Special Gases Detector in IP55 Box. It can be customized to detect these gases: Methanol (Methyl Alcohol), Pentane, Heptane, Ethyl Acetate, Ethylene, Ethanol (Ethyl Alcohol), Butane, Hexane, Isobutane
G702C-2	Catalytic Vapor Benzine Detector in IP55 Box
G704C-2	Catalytic Hydrogen Detector in IP55 Box
G705C-2	Catalytic LPG Detector in IP55 Box
G706C-2	Catalytic Propane Detector in IP55 Box

FEATURES

- Multiple communication modules for all kinds of applications
- Easy replacement of sensor element in case of depletion or failure
- Dust proof metal housing with IP55 standard for industrial use
- Optionally configuration via Android App and PC software
- Direct connection with ESSER by Honeywell loop transponder
- Modbus Interface for communication to management systems

COMMUNICATION MODULES

PART. NO	DESCRIPTION	PART. NO	DESCRIPTION
ES1-L7	ESSER by Honeywell Interface: absorption output module	G7-42	Analog output module at 4-20 mA
ES2-L7	ESSER by Honeywell Interface: output module with O.C. opto-isolated NPN	G7-RL4	4 relay output module
ES3-L7	ESSER by Honeywell Interface: 3 relay output module for fault, pre-alarm, alarm	G7-MB	Modbus output module

GAS DETECTORS SERIES E7XX-2 & G7XX-2

GAS DETECTION SYSTEM

TECHNICAL SPECIFICATION

PART. NO	G700C-2	G701C-2	G702C-2	G704C-2	G705C-2	G706C-2
SUPPLY VOLTAGE	12/24 Vdc					
DETECTION TYPE (PRE-HEATING OF 150")	Catalytic					
SERVICE LIFE IN OPTIMAL CONDITIONS	3/4 years					
CURRENT CONSUMPTION IN STANDBY MODE	max. 90 mA					
CURRENT CONSUMPTION IN ALARM MODE	max. 110 mA					
OPERATING TEMPERATURE	0°C / +50°C					
TRESHOLD	0-100% LEL					
RESOLUTION	0.05 up to 5%	0.05 up to x%*	0.05 up to 1.6%	0.05 up to 4%	0.05 up to 1.7%	
LINEARITY READOUT	±10%					
PRECISION READOUT @ 20°C	±12%					
GAS RESPONSE TIME T90	< 30 seconds					
BOX	ADFT IP55					
WEIGHT	370 g					
DIMENSIONS HXWXD (MM)	175 x 100 x 60					
COVERAGE ON INSTALLATION	4/5 m @ ceiling		4 m @ 30 cm	4/5 m @ ceiling		

*depending on the gas chosen

INFRARED SPECIAL GASES DETECTOR IN IP55 BOX

The detector is equipped with an infrared detection system capable of distinguishing other types of gas, thus ensuring a perfect selectivity.

It measures the concentration of the explosive gas on the LEL (Lower Explosive Limit) scale. The detector is delivered with a pre-alarm threshold of 15% and an alarm threshold of 30% of the LEL.

Optionally, an interface with Android App and a PC software are available, which allow the field testing of the detector, and the modification of detection thresholds, alarm filters, addressing, full scale, etc.

The detector is equipped with an ADFT IP55 certified dust-proof metal box, housing both the communication electronics and the sensor element, positioned in the lower part, and protected by a special stainless-steel mesh. The detector is supplied together with one of the following communication modules which must be selected at order.

PART. NO	DESCRIPTION
G700IR-2	Infrared Methane Detector in IP55 Box
G701IR-2	Infrared Special Gases Detector in IP55 Box. It can be customized to detect these gases: Butane and Carbon Dioxide
G705IR-2	Infrared LPG Detector in IP55 Box
G706IR-2	Infrared Propane Detector in IP55 Box

FEATURES

- Multiple communication modules for all kinds of applications
- Easy replacement of sensor element in case of depletion or failure
- Dust proof metal housing with IP55 standard for industrial use
- Optionally configuration via Android App and PC software
- Direct connection with ESSER by Honeywell loop transponder
- Modbus Interface for communication to management systems

COMMUNICATION MODULES

PART. NO	DESCRIPTION	PART. NO	DESCRIPTION
ES1-L7	ESSER by Honeywell Interface: absorption output module	G7-42	Analog output module at 4-20 mA
ES2-L7	ESSER by Honeywell Interface: output module with O.C. opto-isolated NPN	G7-RL4	4 relay output module
ES3-L7	ESSER by Honeywell Interface: 3 relay output module for fault, pre-alarm, alarm	G7-MB	Modbus output module

GAS DETECTORS SERIES E7XX-2 & G7XX-2

GAS DETECTION SYSTEM

TECHNICAL SPECIFICATION

PART. NO	G700IR-2	G701IR-2 - BUTANE	G701IR-2 - CO^2	G705IR-2	G706IR-2
SUPPLY VOLTAGE	12/24 Vdc				
DETECTION TYPE (PRE-HEATING OF 150")	Infrared				
SERVICE LIFE IN OPTIMAL CONDITIONS	5 years				
CURRENT CONSUMPTION IN STANDBY MODE	max. 90 mA				
CURRENT CONSUMPTION IN ALARM MODE	max. 110 mA				
OPERATING TEMPERATURE	0°C / +50°C				
TRESHOLD	0-100% LEL		V1 & V2 0-10000 PPM V3 0-30000 PPM	0-100% LEL	
RESOLUTION	0.05 up to 5%	0.05 up to 1.4%	10 PPM / 100 PPM	0.05 up to 1.7%	
LINEARITY READOUT	±5%				
PRECISION READOUT @ 20°C	±5%				
GAS RESPONSE TIME T90	< 30 seconds				
BOX	ADFT IP55				
WEIGHT	370 g				
DIMENSIONS HXWXD (MM)	175 x 100 x 60				
COVERAGE ON INSTALLATION	5 m @ ceiling			approx. 4 meter	approx. 5 meter

ELECTROCHEMICAL CARBON MONOXIDE DETECTOR IN IP55 BOX

The detector is equipped with an electrochemical cell head that measures the toxic gas concentration on the ppm (parts per million) scale or the volume percentage of the oxygen in the air.

The detector is delivered with a pre-alarm threshold of 100 ppm and an alarm threshold of 200 ppm.

The oxygen versions are with a pre-alarm threshold of 24% vol., and an alarm threshold of 27% vol.

Optionally, an interface with Android App and a PC software are available, which allow the field testing of the detector, and the modification of detection thresholds, alarm filters, addressing, full scale, etc.

The detector is equipped with an ADFT IP55 certified dust-proof metal box, housing both the communication electronics and the sensor element, positioned in the lower part, and protected by a special stainless-steel mesh.

PART. NO	DESCRIPTION
G703H-2	Electrochemical Carbon monoxide Detector in IP55 Box
G707H-2	Electrochemical Ammonia Detector in IP55 Box
G708H-2	Electrochemical Ammonia Detector in IP55 Box
G710H-2	Electrochemical Oxygen (excess) Detector in IP55 Box
G711H-2	Electrochemical Oxygen (deficiency) Detector in IP55 Box

FEATURES

- Multiple communication modules for all kinds of applications
- Easy replacement of sensor element in case of depletion or failure
- Dust proof metal housing with IP55 standard for industrial use
- Optionally configuration via Android App and PC software
- Direct connection with ESSER by Honeywell loop transponder
- Modbus Interface for communication to management systems

COMMUNICATION MODULES

PART. NO	DESCRIPTION	PART. NO	DESCRIPTION
ES1-L7	ESSER by Honeywell Interface: absorption output module	G7-42	Analog output module at 4-20 mA
ES2-L7	ESSER by Honeywell Interface: output module with O.C. opto-isolated NPN	G7-RL4	4 relay output module
ES3-L7	ESSER by Honeywell Interface: 3 relay output module for fault, pre-alarm, alarm	G7-MB	Modbus output module

GAS DETECTORS SERIES E7XX-2 & G7XX-2

GAS DETECTION SYSTEM

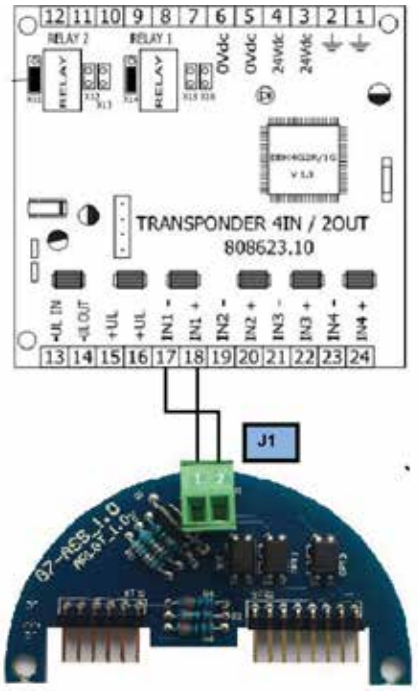
TECHNICAL SPECIFICATION

PART. NO	G703H-2	G707H-2	G708H-2	G710H-2	G711H-2
SUPPLY VOLTAGE	12/24 Vdc				
DETECTION TYPE (PRE-HEATING OF 150")	Electrochemical				
SERVICE LIFE IN OPTIMAL CONDITIONS	3 years	1 year		2 years	2 years
CURRENT CONSUMPTION IN STANDBY MODE	max. 40 mA				
CURRENT CONSUMPTION IN ALARM MODE	max. 60 mA				
OPERATING TEMPERATURE	0°C / +50°C				
TRESHOLD	0-500 PPM		0-2000 PPM	0-100% LEL	
RESOLUTION	0.05 up to 5%	0.05 up to 1.4%	10 PPM / 100 PPM	21%-42% Vol	21%-0% Vol
LINEARITY READOUT	±3%	±5%		±3%	
PRECISION READOUT @ 20°C	±3%	±5%		±3%	
GAS RESPONSE TIME T90	< 60 seconds	< 90 seconds		< 30 seconds	
BOX	ADFT IP55				
WEIGHT	370 g				
DIMENSIONS HXWXD (MM)	175 x 100 x 60				
COVERAGE ON INSTALLATION	4m @ 160 cm	4/5m @ ceiling		4m @ 160 cm	

COMMUNICATION MODULES FOR GAS DETECTORS E7XX-2 & G7XX-2

GAS DETECTION SYSTEM

INTERFACE FOR 1 INPUT ON 808623



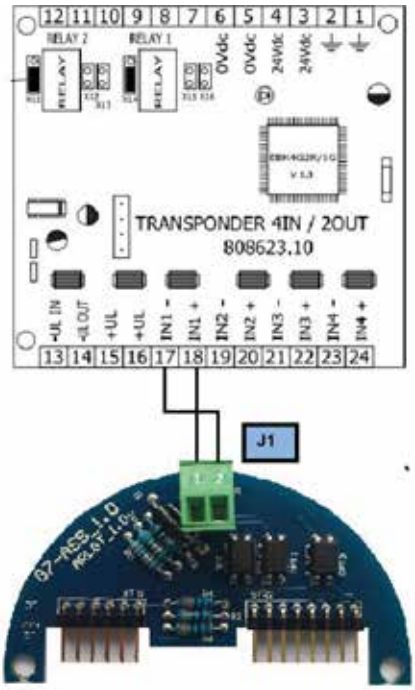
This interface was created to facilitate the connection to the ESSER by Honeywell transponder 808613/808623 since it provide already the EoL resistors needed to balancing the transponder input.

This type of solution allows you to manage the pre-alarm, alarm and fault thresholds by using a transponder input.

(Note: for a proper operation, program the ESSER by Honeywell transponder with the double threshold)

PART. NO	ES1-L7
FEATURES	**Terminal block J1** 1 – Positive 2 – Negative

INTERFACE FOR 2 INPUTS ON 808623



The interface can separately manage the pre-alarm, alarm and fault with open-collector outputs.

This solution therefore allows you to manage the pre-alarm in one input and the alarm in another input. As regards the failure, all 2 inputs of the transponder will be managed automatically.

PART. NO ES2-L7

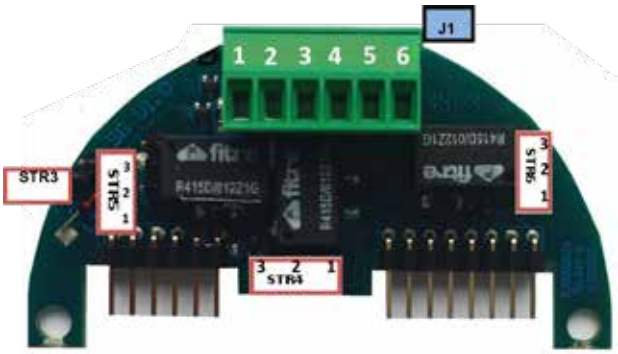
FEATURES

- Pre-alarm output optically isolated NPN open-collector
- Alarm output optically isolated NPN open-collector
- Fault output optically isolated NPN open-collector

Terminal block J1

1. + Pre-alarm optically isolated electronic output /Collector	NPN max. 60 mA at 30V
2. + Pre-alarm optically isolated electronic output /Emitter	NPN max. 60 mA at 30V
3. + Alarm optically isolated electronic output /Collector	NPN max. 60 mA at 30V
4. + Alarm optically isolated electronic output /Emitter	NPN max. 60 mA at 30V
5. + Fault optically isolated electronic output /Collector	NPN max. 60 mA at 30V
6. + Fault optically isolated electronic output /Emitter	NPN max. 60 mA at 30V

INTERFACE FOR 3 INPUTS ON 808623



The 3-relay interface gives the possibility to have a dry contact for each single event: alarm, pre-alarm and fault.

Each single switch can be set in NO and NC through jumpers.

The power supply can be set at 12Vdc and 24Vdc by opening or closing a jumper.

PART. NO ES3-L7

FEATURES

Terminal block J1
1 Alarm output
2 Alarm output
3 Prealarm output
4 Prealarm output
5 Failure output
6 Failure output

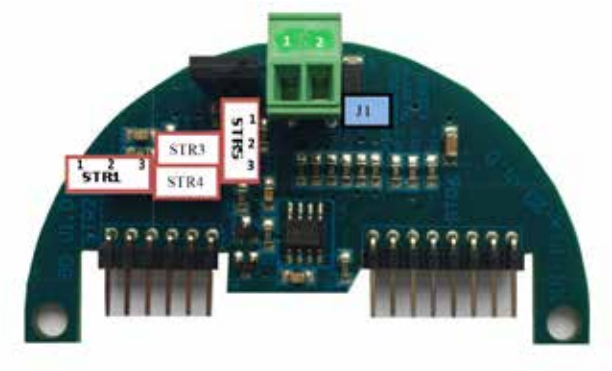
SETTINGS

- STR3 Opened 24Vdc - Closed 12Vdc
- STR4 Pre-alarm Position 1-2 NC, 2-3 NO
- STR5 Alarm Position 1-2 NC, 2-3 NO
- STR6 Failur Position 1-2 NC, 2-3 NO

TECHNICAL SPECIFICATION

POWER SUPPLY	12/24 Vdc
RELAY CONTACTS CURRENT	max 1A @ 30Vdc
RELAY CONTACTS CURRENT	max 0,5A @ 12Vdc

INTERFACE 4-20 MA FOR GAS DETECTOR MOON



The G7-42 interface manages a 4-20mA output in the following way.

PART. NO G7-42

FEATURES

1. Active output with positive signal (Default)
2. Active output with negative signal
3. Passive output with positive signal
4. Passive output with negative signal

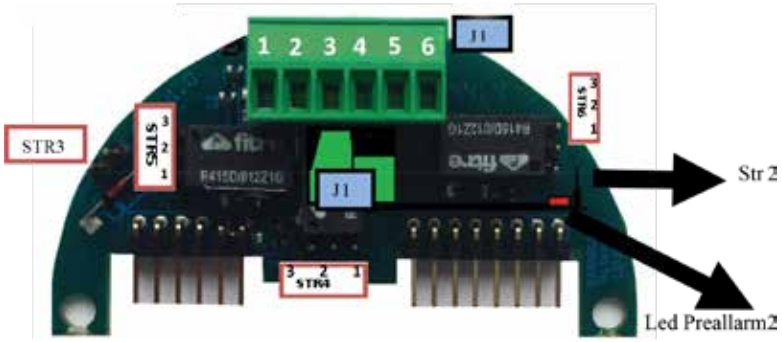
ELECTRONIC BOARD TYPE G7-42

TYPE	BOARD G7-42			
	STR1	STR3	STR4	STR5
1	Close 2-3	Open	Close	Close 2-3
2	Close 1-2	Close	Open	Close 1-2
3	Open	Open	Close	Close 2-3
4	Open	Close	Open	Close 1-2

J1 TERMINAL BOARD

TERMINAL	TYPE 1	TYPE 2	TYPE 3	TYPE 4
1	Positive	Negative	Positive	Negative
2	Negative	Positive	Negative	Positive

INTERFACE 4 RELAY FOR GAS DETECTOR MOON



The 3 relays interface provide a free of voltage relay for each single event: alarm, prealarm, prelarm 2 and detector fault.

It is possible to set each single relay contact as NO or NC, trough the jumpers on board.

Power supply can be set to 12Vdc or 24Vdc opening or closing the dedicate jumper.

PART. NO	G7-RL4

FEATURES

Terminal block J1

1 Alarm output
2 Alarm output
3 Pre-alarm output
4 Pre-alarm output
5 Failure output
6 Failure output
7 Pre-alarm output 2
8 Pre-alarm output 2

SETTINGS

• STR3 Opened 24Vdc -	Closed 12Vdc
• STR4 Prealarm	Position 1-2 NC, 2-3 NO
• STR5 Alarm	Position 1-2 NC, 2-3 NO
• STR6 Failur	Position 1-2 NC, 2-3 NO
• STR2 Prealarm 2	Position 1-2 NC, 2-3 NO

TECHNICAL SPECIFICATION

POWER SUPPLY	12/24 Vdc
RELAY CONTACTS CURRENT	max 1A @ 30Vdc
RELAY CONTACTS CURRENT	max 0,5A @ 12Vdc

INTERFACE MODBUS FOR GAS DETECTOR MOON

The interface has been designed to communicate directly with the PLC Central unit, for the complete functioning of the sensor according to the regulations.

PART. NO	G7-MB
FEATURES	**J1 Terminal board** 1 – OUT BUS 2 + OUT BUS 3 GND 4 GND 5 – IN BUS 6 + IN BUS
ADDRESSING	Sensor addressing will only be possible using the software or the application for the management of the moon 2 sensor.

METHANE REPLACEMENT HEAD

PART. NO	RE700C-2
PART. NO	RG700C-2

TEST GAS CYLINDERS

GAS DETECTION SYSTEM

1 LITER DISPOSABLE CYLINDER FILLED WITH PROPANE 20% LEL

PART. NO B55-100

1 LITER DISPOSABLE CYLINDER FILLED WITH PROPANE 40% LEL

PART. NO B55-101

1-LITRE DISPOSABLE CYLINDER FILLED WITH METHANE 20% LEL

PART. NO B55-101

1-LITER DISPOSABLE CYLINDER FILLED WITH METHANE 40% LEL

PART. NO B55-103

1-LITER DISPOSABLE CYLINDER FILLED WITH HYDROGEN 20% LEL

PART. NO B55-104

1 LITER DISPOSABLE CYLINDER FILLED WITH HYDROGEN 40% LEL

PART. NO B55-105

1 LITER DISPOSABLE CYLINDER FILLED WITH ACETYLENE 20% LEL

PART. NO B55-106

1-LITER DISPOSABLE CYLINDER FILLED WITH ACETYLENE 40% LEL

PART. NO B55-107

1 LITER DISPOSABLE CYLINDER CHARGED WITH CO 100 PPM

PART. NO B55-108

TEST GAS CYLINDERS

GAS DETECTION SYSTEM

1 LITER DISPOSABLE CYLINDER CHARGED WITH CO 200 PPM

PART. NO B55-109

1 LITER DISPOSABLE CYLINDER FILLED WITH ISOBUTANE 20% LEL

PART. NO B55-111

1 LITER DISPOSABLE CYLINDER CHARGED WITH ISOBUTANE 40% LEL

PART. NO B55-112

8MM VALVE FOR DISPOSABLE CYLINDERS

PART. NO A55-104

ADAPTER FOR ALL MOON SERIES 2 SENSORS FOR 8MM VALVE

PART. NO A55-108

MOUNTING BRACKET FOR DETECTORS SERIES EE-XD STAINLESS STEEL

PART. NO A55-109

GAS FLOW METER COMPLETE WITH 8MM VALVE FOR DISPOSABLE 1 LITER CYLINDERS

PART. NO A55-110

ADDRESSABLE GAS DETECTION CONTROL PANEL 4 LOOPS

AM4000G is a microprocessored control panel for gas detection systems management. Thanks to the addressable modules it's possible to connect detectors with industrial standard 4-20mA.

The control panel is used in all environments where there is production or presence of toxic or explosive gases (Parking garages, boiler rooms, battery rooms, etc). AM-4000G can manage up to 4 loops each with set 99 gas detectors (through the IIG4N and MMT modules) and 99 input/output modules, for the total amount of 396 detectors and 396, input/output interface modules. AM4000G is also programmable by a software tool (UPDL4000G), that allow configuration, backup and printing function.

PART. NO AM4000G

FEATURES

- Displaying values of gas detectors in the proper scale and units (LEL, ppm, concentration %)
- 3 levels of password (Operator - Maintenance – Programming)
- 4 access levels
- Programmable text: points description 32 characters; zone description 32 characters
- 150 physical zone and 400 logic groups
- CBE (Control-by-event) control equations for the activation with logical operator (And, Or, Xor, etc.)
- History log: 999 events in non volatile memory
- Real time clock
- Self-programming feature with automatic recognition of connected device
- Auto-recogniton of points with same address
- Algorithm decision for fault and alarms
- Programmable Alarm/Pre-Alarm threshold
- Configuration of default software function for the different devices in the field
- Walk-Test by zone function

TECHNICAL SPECIFICATION

MULTI-MICROPROCESSOR SYSTEM	
GRAPHIC LCD DISPLAY	8 lines, 40 columns (240 x 64 dots)
KEYBOARD WITH SPECIAL KEY FOR SPECIFIC FUNCTIONS	Evacuation, End delay, Silence, Mute buzzer, Silence/Resound, Reset
LOOP	
4 DETECTION LINES	Open or closed loop for devices in the field
LINE MANAGE	99 modules 4-20mA (detectors interfaces) throught MMT and IIG4N modules + 99 input/output modules
SERIAL INTERFACE	1 RS-232 port for PK4000G software 1 RS-485 port for LCD6000T repeaters
POWER SUPPLY	
27,6VDC	2,7A total with temperature compensation
BATTERY CHARGER	27,6Vdc – 1
USER OUTPUT FOR EXTERNAL DEVICES	(sounder, etc) 27,6Vdc – 1A

OUTPUT	
1	Supervised Sounder output
1	General Alarm output with free voltage contact
2	Preallarm output with programmable threshold
1	General Fault output with free voltage contact
MECHANICS	
MOUNTING	The control panel is suitable for wall mounting
SIZE	483mm(W) x 266mm(H) x 111mm(D)
IP RATING	IP 30
TEMPERATURE	-5°C ÷ +40°C

10 WAY RELAY ADDRESSABLE MODULE CARD ADV-CLIP

The CMX-10RME multi-module card can operate with all the NOTIFIER addressable control panels either with CLIP protocol (1-99) that Advanced protocol (1- 159) and on board hold 10 output modules with voltage free contact relay.

PART. NO CMX-10RME

FEATURES

- The output of each module is a voltage free switch contact designed to switch resistive loads up to 2A/30 Vdc
- The CMX-10RME includes the following:
  - Removable terminal block;- DIP-SWITCH (for the start address selection);
  - DIP-SWITCH (for the single modules masking);
  - SMD LEDs (one for each module)
  - Auxiliary output on 14 pin flat cable connector to drive external LEDs with no resistor
- The panel controls the lighting of the LED
- In Advanced mode protocol, the signaling LEDs on the board are not enabled
- Only the first LED flashes to indicate the vitality

TECHNICAL SPECIFICATION

CMX-10RME	Dimensions are suitable for a standard 19" rack 6 U.S. high
DIMENSIONS	233 mm x 70 mm, Terminal block included
MOUNTING HOLES DISTANCE	218 mm x 37,5 mm
POWER SUPPLY	Remote powered from the control panel loop
WORKING TEMPERATURE RANGE	-10 - 55 °C Input/output modules
RELATIVE HUMIDITY	10 - 93 % (without condense)

RELATIVE HUMIDITY	10 - 93 % (without condense)
LOOP CURRENT	
STANDBY CURRENT @24VDC	3 mA Without communication
STANDBY CURRENT @24VDC	4 mA With communication
LED CURRENT	5 mA LED steadly on

ADDRESSABLE GAS DETECTION SYSTEM

GAS DETECTION SYSTEM

ADDRESSABLE DETECTOR FOR CAR PARKING

The gas detectors of the 700 Series PARK SS are specifically designed for gas detection in underground parking areas where such systems are required. The detectors are in IP55 enclosure and the two models available are for the detection of gasoline vapors, catalytic with sensitivity 0-100% of L.I.E. and CO (Carbon Monoxide) Electrochemical Cell with sensitivity 0 to 300 ppm.

The addressing, up to 99 sensors per loop, is done through rotary switches with units and tens, in a similar way to the fire sensors using a single address.

A series of internal LEDs allows you to verify the status of the sensor, the communication with the central unit and identify the various possible failures.

PART. NO	G702C-SS Addressable detector for gasoline vapor	G703H-SS Carbon monoxide detector

FEATURES

The sensors are composed of two electronic boards, the first of which manages the calibration algorithms and the compensation of the sensitive element, while the second deals with the communication to the control panels with Notifi er protocol for the direct connection of the detector on the addressed loop of the control panels, without the need for interface modules and their relative wiring to the sensor, with a significant saving on installation costs.

APP AND PROGRAMMING, TESTING AND MAINTENANCE SOFTWARE

For these detectors is available an application for SmartPhone with Android operating system (with USB On-The-Go) and a software for PC in Win-dows environment, which allow the field test of the detector and the modification of the configuration of sensitivity thresholds, alarm filters, addressing, full scale, etc..

The App and the Software are supplied separately on CD in a package that also includes the certified cables with mini-USB and USB connector, suitable for both phones and PCs.

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	12/24 Vdc	ABSORPTION AT REST	70mA max
TEMP: CONTAINER	0 ÷ 40°C	ABSORPTION IN ALARM	90mA max
WEIGHT	ADFT IP55	SENSITIVE ELEMENT	Electrochemical cell
RELATIVE HUMIDITY	370 g.	ABSORPTION AT REST	50mA max
DIMENSIONS HXWXD (MM)	<90% without condensation 141 x 100 x 60	ABSORPTION IN ALARM	80mA max
SENSITIVE ELEMENT	Catalytic		

ADDRESSABLE MODULE FOR GAS DETECTORS

IIG4N is an addressable analog module with 4 inputs 4÷20 mA for interfacing with gas sensors with the same type of output.

The module is compatible with the AM4000 and AM8200G (when available) control panels. Each gas sensor occupies 1 address of the 99 available for the sensors on the loop.

The module can interface up to 4 gas sensors using 4 consecutive addresses.

PART. NO

IIG4N

FEATURES

- 4-20 mA analog input module suitable for interfacing four gas detectors, equipped with an identification circuit that assigns an address for each detector by means of dip-switches
- Each address can be assigned by programming in the central unit two pre-alarm thresholds and one alarm threshold with the possibility of activating different outputs for each threshold
- The module for gas detectors allows to collect the signals coming from the 4-20 mA sensors and to report them in an addressed fire detection loop
- It can be programmed with different protocols in order to be used on all the control panels of the range (1 or 3 addresses per point)

GENERAL CHARACTERISTICS

The module will allow through the detection unit to match to each threshold of the point its own output command, a different sensitivity and the ability to self reset.

The sensitivity according to the type of gas detector (explosive or toxic) will be expressed as a percentage of the L.I.E. or as a measurement of ppm. The module has input and output isolator, excludable by dip.

The equipment is supplied with IP55 mounting box.

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	15-32Vcc	**WORKING TEMP**	from 0 °C a to 50 °C
ENTRANCE FROM EXT. PSU.:	15-30Vcc max. 1,35A	**RELATIVE HUMIDITY (WITHOUT CONDENSATION):**	10 - 93%
IDLE CURRENT FROM EXT. PSU:	10 mA + corrente per rivelatore gas	**DIMENSION (LXHXD)**	155 x 115 x 70mm

REMOTE PANEL FOR FOR AM4000G

LCD-6000T is a peripheral panel used for remote display of fire events from new AM Series control panels. LCD-6000T panel works as repeater and, when programmed, display automatically graphical maps of the site controlled by the control panel in case of alarm or fault.

Directly from LCD- 6000T the user can carry out functions concerning: event acknowledgment, output silence, alarm reset, display points and zone disarmed, display points and zone in testing, display graphical maps.

PART. NO LCD6000T

FEATURES

- Touchscreen
- Screensaver
- Buzzer with activation in case of fault /alarm
- Only Repater
  In this mode the device will dispaly the front of the control panel (without graphical maps management)
- **Graphic maps and/or repeaters**
  When the graphical maps are uploaded, device automatically show them in case of alarm or fault, specifying the zone and type of signalling throught icons (there available default icons with possibility of personalization).
  It's possible to manage till to 10 maps 800x600pixel with a resolution of 120dpi and each map can contain 24 devices. On each panel LCD- 6000G it's possible to execute independently the following functions: acknowledge, output tacitation, alarms reset (under password) and maps visualisation

TECHNICAL SPECIFICATION

RAM	CPU 400MHz (Ram 16Mbyte Flash 16Mbyte)	**TEMPERATURE RANGE**	-5 °C to +40 °C
DISPLAY	8,4" display, 65000 colours, 800x600 pixels	**HUMIDITY**	10 % - 93 % (without condensate)
POWER	10 ÷ 30Vcc	**DIMENSIONS**	223mm (L) x 210mm (H) x 30mm (P)
CURRENT @24VCC	Backlit on 350mA, with screensaver 120mA	**MOUNTING**	Suitable for wall mounting
CONNECTIONS	Serial RS485 - ethernet 10/100 Mbit/s	**IP DEGREE**	IP20
WIRING	2 wire for power + Serial communication (2 wire) o Ethernet	**WEIGHT**	KG 0, 67
FUNCTIONS	Acknowledge, output tacitation, alarms reset, point and zone in test visualisation, maps visualisation	**MATERIAL**	ABS
ALARM OR FAULT	Visual signalling will be related to specific maps (if programmed) or it will repat the visualisation of the control panel	**COLOUR**	RAL 7035

NOTIFIER ISOLATOR MODULE

PART. NO M700X

SINGLE OUTPUT MODULE - NOTIFIER

PART. NO M701E

240V RELAY MODULE - NOTIFIER

PART. NO M701E-240

SINGLE INPUT MODULE - NOTIFIER

PART. NO M710E

DUAL INPUT MODULE - NOTIFIER

PART. NO M720E

2 INPUT, 1 OUT MODULE - NOTIFIER

PART. NO M721E

5 WAY RELAY/5 WAY INPUT ADDRESSABLE. CARD ADV-C

The MCX-55ME card can be used with all addressable NOTIFIER fire Panels either with CLIP protocol (1-99) that Advanced protocol (1-159). It hold on board 5 monitor modules 5 and 5 control modules with relay with voltage free contacts.

Board size also make it compatible with the standard 19" rack 6 US height Therefore the container is not provided, as it can be selected by the installer between the many measures available on electrical parts market. All modules on the card are powered directly from the 2-wire communication loop with the control panel. To make wiring smother and fast, simplify maintenance or possible replacement, the removable terminals sorted by function are provided.

The board is CPR certified according to EN.54.18.

PART. NO MCX-55ME

FEATURES

- **Monitor Modules**
  The two wires connection requires the use of an End Of Lne resistor provided with the card The 4-wire connection is used to detect the alarm even if there is an interruption on wire from alarm contact
- **Control Modules**
  Resistive load = 2 A @ 30 Vdc;
  Inductive load = 0.6 A @ 30 Vdc
- Dip-switch for selection of start address (tens)
- Dip-switch for modules mask (CLIP mode only)
- LEDs in SMD
- Ribbon cable connector for drive external LEDs without resistance in series (in CLIP mode only) The lighting of the LED is controlled by the panel
- **Connection to the control panel**
  The 2-wire loop from the control panel must be connected to the "LOOP" terminal block. For an easier connection to other devices, terminals 1-2 and 3-4 are linked together
- **Operation**
  The board uses 10 consecutive addresses on the loop. Depending on the control unit to which the module is connected, the range of addresses can be: 01-99 in CLIP protocol or 01-159 in Advanced Protocol.
  The start address of the card is selected using the Dip- Switch SW-2 and corresponds to the TENS of the full address on Panel
- **Single module masking**
  To mask a single module is achieved by placing "OFF" the relevant Dip on SW-1dip-switch. This allows to use the masked module address for other devices. (CLIP mode only) Note that the current sink from Panel loop does not change even if some modules are masked
- **Control panel programming**
  Program each board modules as if they were single modules

TECHNICAL SPECIFICATION

MMX-10ME DIMENSIONS	Suitable for a standard rack 19" 6 U.S. high	RELATIVE HUMIDITY	10 - 93 % (without condense)
DIMENSIONS	H = 233 mm, L = 70 mm, terminal block included	LOOP CURRENT NO ALARM, BLINK	2,7 mA
MOUNTING HOLES DISTANCE	218 mm x 37.5 mm	LOOP CURRENT ALL IN ALARM, ALL OFF	4 mA
POWER SUPPLY	Remote powered from the control panel loop	LOOP CURRENT ALL IN ALARM, ALL ON	51 mA
WORKING TEMPERATURE RANGE	-10 - 55 °C		

ADDRESSABLE MODULE WITH 4-20MA INTERFACE

MMT is a 4÷20mA analogue input module for gas detectors and other device interfacement that use this standards. The module is compatible with new NOTIFIER panels series. Each MMT module use only one address of 99 available on loop. Microprocessored Module compatible with Notifier protocol, MMT is designed to manage a single detector. The address codification is achieved through decimal rotative switches.

For correct module working it is necessary 24Vdc regulated source power (it is possible to feed module from panel or from an external power supply).

The module is also provided of power output for gas detector on block connector.

PART. NO

MMT

FEATURES

- LED output: suited for INDICATOR
- 4÷20mA input: PTC protected input voltage of 30 Vdc, impedance input 155ohm to ground
- Loop voltage input: 15÷32 Vcc
- Stand-by loop
  - 24Vdc, answer each 5 sec. and LED on: 350 A
  - Typical growth (resp. 0,2Hz) LED on 70 A
  - Typical growth (resp. 0,2Hz) without protection 30 A

FUNCTIONING WITH PANELS

During panel self-programming procedure, the module is recognized as a detector.
The panel assign as default Type-ID “TEC3”. At the same time is possible to assign the detector parameters:

- Pre-alarm threshold (P1) (default P1 = 10% of selected end of scale)
- Pre-alarm threshold (P2) (default P2 = 20% of selected end of scale)
- Alarm threshold (AL) (default AL = 30% of selected end of scale)
- CBE Equation active when detected value is greater of one of three threshold.
  When one of three threshold are reached, it is possible to active an output module (pre-alarm threshold “P1” = (A), pre-alarm threshold “P2” = (B), alarm threshold “AL” = (C)

TECHNICAL SPECIFICATION

CURRENT FROMM EXTERNAL POWER SUPPLY	10mA max (module) + current necessary to feed GAS detector	TEMPERATURE	0°C ÷ + 50°C
EXTERNAL POWER INPUT	15÷30Vdc max (optoisolated from loop)	HUMIDITY	10 ÷ 93% (no condensing)
GAS DETECTOR POWER OUTPUT	Protected by 400mA automatic fuse protection	WEIGHT	58 grams
MAXIMUM CURRENT OUTPUT	300mA	DIMENSION (LXHXD)	68x48x29mm

10 WAY MONITOR ADDRESSABLE WITH MODULE CARD ADV-CLIP

The MMX-10ME multi-module can operate with all addressable NOTIFIER Fire Panels either with CLIP protocol (1-99) or ADVANCED protocol (1-159).

And on board hold 10 monitor modules.

PART. NO MMX-10ME

FEATURES

- The input of each module, suitable to point out the closing of a normally open or closed contact, supports both 2 wires open line and 4 wires loop
- The open line connection requires a 47 K 5% ¼ W end of line resistor
- Optionally, a resistor 33 K 5 % ¼ W can be installed to verify short circuit connected to the alarm contact (this configuration complies EN54.2)
- The 4 wires loop configuration makes it possible to detect an alarm condition even if there is a cut in the loop
- The MMX-10ME includes the following items:
  - Removable terminal block;
  - DIP-SWITCH (for the module address selection);
  - DIP-SWITCH (for the single modules masking);
  - SMD LEDs (one for each module);
  - Auxiliary output on 14 pin flat cable connector to drive external LEDs with no resistor
  - The control panel activates the LEDs

OPERATION ADDRESS SELECTION

This module uses 10 consecutive addresses of the available in each loop. The address of the first module of the board, which can be selected through the SW-2 dipswitch, corresponds to the figure of “tens” of the complete address (01-99) sent by the control panel, while the “units” (0-9) correspond respectively to the single modules. Since the control panel does not poll the “00” module, only 9 modules (B-M) will be available if the “0” address board is selected.

SINGLE MODULE MASKING

The MMX-10ME module is delivered with all modules unmasked. To mask a single module, the relevant DIP on SW1 Dipswitch must be turned in OFF position. This operation allows using the address of the masked module for other devices (NOTE: in CLIP mode only).

CONNECTION TO THE CONTROL PANEL

The 2-wires loop from the control panel must be connected to the terminal block “LOOP” (featuring 4 terminals). The 1-2 and 3-4 terminals are linked together for an easier connection to other devices.

TECHNICAL SPECIFICATION

MMX-10ME DIMENSIONS	Suitable for a standard rack 19” 6 U.S. high	RELATIVE HUMIDITY	10 - 93 % (without condense)
DIMENSIONS	H = 233 mm, L = 70 mm, terminal block included	LOOP CURRENT NO ALARM, BLINK	2,7 mA
MOUNTING HOLES DISTANCE	218 mm x 37.5 mm	LOOP CURRENT ALL IN ALARM, ALL OFF	4 mA
POWER SUPPLY	Remote powered from the control panel loop	LOOP CURRENT ALL IN ALARM, ALL ON	51 mA
WORKING TEMPERATURE RANGE	-10 - 55 °C		

IAV HIGH OUTPUT STROBE ISO

Thanks to the new design, a high performance LED, high sound quality with 32 selectable shades and a super omnidirectional light cover, these sirens can be installed in different environments.

The targeted optical / acoustic series is compatible with the NOTIFIER Italia Firefighting Series AM series. All devices are equipped with an integrated insulator and certified EN54 part 17.

PART. NO VAD-PC-I02

FEATURES

- High quality materials for longer durability
- UV resistant materials
- Robust construction for impact resistance
- Common base with detectors (B501AP)
- Compatible with different protocols
- 32 selectable tones

TECHNICAL SPECIFICATION

SUPPLY VOLTAGE	12-24Vdc	INGRESS PROTECTION	IP21C (with low profile base) IP65 (waterproof base)
STANDBY CURRENT	max. 180mA	COLOUR	White
CONSUMPTION	31mA @ 24Vcc	LENS COLOUR	Clear
CONSUMPTION MAX	40mA @ 20Vcc	WEIGHT	210g
RATE	0.5Hz	TERMINAL SIZE	1.5 - 2.5mm² max
OPERATING TEMP	-25C˚÷ 70C˚	APPROVED TO	EN54-23 category C & W EN54-17
RELATIVE HUMIDITY	93% ± 3% no-condensing		

AV PHASE II SOUNDER ISO

High quality loop powered device designed to alert building occupants of an emergency. Featuring fast and simple installation and control it is powered by the fire panel via the loop wiring.

Control of the device is enabled using on-board switches or via the Opal digital protocol using the control panel. The range is installed simply by a twist fit onto the B501AP base.

PART. NO WSO-PR-I02

FEATURES

- Faster installation
- Reduced install errors and easy fault finding
- Excellent system performance
- Flexible installatio
- Reduced lifetime costs
- Reduced inventory count

TECHNICAL SPECIFICATION

SUPPLY VOLTAGE	15 to 29VDC	COLOUR	Red
STANDBY CURRENT	225µA	WEIGHT	238g
CONSUMPTION	11.4mA	TERMINAL SIZE	1.5 - 2.5mm² max
OPERATING TEMP	-25C°÷ 70C°	AVAILABLE SHADES	32
RELATIVE HUMIDITY	95% no-condensing	VOLUME	High, Medium, Low
INGRESS PROTECTION	IP21C (with low profile base) IP44 (con BRR) IP65 (con WRR)	APPROVED TO	EN54-3 e EN54-17

AV PHASE II S/STROBE ISO

High quality loop powered device designed to alert building occupants of an emergency. Featuring fast and simple installation and control the Opal wall mount sounder/beacon is powered by the fire panel via the loop wiring.

Control of the devices is enabled using on-board switches or via the Opal digital protocol using the control panel. The range is installed simply by a twist fit onto the B501AP base.

PART. NO WSS-PC-I02

FEATURES

- Faster installation
- Reduced install errors and easy fault finding
- Excellent system performance
- Flexible installation
- Reduced lifetime costs
- Reduced inventory count
- Red Flash
- Pure White Body
- Clear Lens
- Comes with Isolator

TECHNICAL SPECIFICATION

SUPPLY VOLTAGE	15 to 29VDC	COLOUR	White
STANDBY CURRENT	225µA	LENS COLOUR	Clear
CONSUMPTION MAX	14.5mA (Tono 11 @15V)	WEIGHT	238g
FLASH RATE	1Hz	TERMINAL SIZE	1.5 - 2.5mm² max
OPERATING TEMP	-25C˚÷ 70C˚	AVAILABLE SHADES	32
RELATIVE HUMIDITY	95% no-condensing	VOLUME	High, Medium, Low
INGRESS PROTECTION	IP21C (with low profile base) IP44 (con BRR) IP65 (con WRR)	APPROVED TO	EN54-3 e EN54-17

AV PHASE II S/STROBE ISO

High quality loop powered device designed to alert building occupants of an emergency. Featuring fast and simple installation and control the Opal wall mount souder/beacon is powered by the fire panel via the loop wiring.

Control of the devices is enabled using on-board switches or via the Opal digital protocol using the control panel. The range is installed simply by a twist fit onto the B501AP base.

PART. NO WSS-PR-I02

FEATURES

- Faster installation
- Reduced install errors and easy fault finding
- Excellent system performance
- Flexible installation
- Reduced lifetime costs
- Reduced inventory count
- Red Flash
- Pure White Body
- Red Lens
- Comes with Isolator

TECHNICAL SPECIFICATION

SUPPLY VOLTAGE	15 to 29VDC	COLOUR	Red
STANDBY CURRENT	225μA	WEIGHT	238g
CONSUMPTION	11.4mA	TERMINAL SIZE	1.5 - 2.5mm² max
OPERATING TEMP	-25C˚÷ 70C˚	AVAILABLE SHADES	32
RELATIVE HUMIDITY	95% no-condensing	VOLUME	High, Medium, Low
INGRESS PROTECTION	IP21C (with low profile base) IP44 (con BRR) IP65 (con WRR)	APPROVED TO	EN54-3 e EN54-17

AV PHASE II STROBE ISO

Electronic addressable strobe with flashing light with red LED, white lens and isolator. It's powered directly from the loop. Requires mounting bracket.

CPR certified in accordance with EN 54-17/23 (Open Class).

PART. NO WST-PC-I02

FEATURES

- Red Flash
- Pure White Body
- Clear Lens
- Comes with Isolator

TECHNICAL SPECIFICATION

SUPPLY VOLTAGE	15 to 29VDC	INGRESS PROTECTION	IP21C (with low profile base) IP44 (con BRR) IP65 (con WRR)
STANDBY CURRENT	225μA	COLOUR	White
CONSUMPTION MAX	5.4mA@15V	LENS COLOUR	Clear
FLASH RATE	1Hz	WEIGHT	168g
OPERATING TEMP	-25C°÷ 70C°	TERMINAL SIZE	1.5 - 2.5mm² max
RELATIVE HUMIDITY	93% ± 3% no-condensing	APPROVED TO	EN54-3 e EN54-17

AV PHASE II STROBE ISO

The new NFXI Series addressable audio visual devices, directly powered from communication loop, represent the best signaling report solution for indoor installation in terms of quality and use.

They use B501AP mounting support base (used also for detection devices) improving flexibility and ease of installation in new systems, providing the opportunity to upgrade existing systems with no effort.

When activated by the control panels, NFXI audio visual appliances provide a powerful sound with customizable tones and volumes and an intense light signaling to adapt to different applications.

All the models are equipped with line isolator.

PART. NO WST-PR-I02

FEATURES

- Certificated according to CPD-EN54.3
- Mounting base with standard clutch as for detectors
- Very low power consumption
- Anti-tampering
- 32 selectable tones, with 3 sound levels
- Address selection by rotary switch

TECHNICAL SPECIFICATION

SUPPLY VOLTAGE (NON ISOLATION)	15÷32Vdc	TEMPERATURE	-25 ÷ +70°C
SUPPLY VOLTAGE (ISOLATION)	15÷28Vdc	HUMIDITY (WITHOUT CONDENSATE)	95%
NOMINAL VOLTAGE	24Vdc - LOOP	IP RATING (B501AP BASE)	IP24
STANDBY CURRENT (NON ISOLATION)	120μA	IP RATING (BRR BASE)	IP44
STANDBY CURRENT (ISOLATION)	225μA	IP RATING (WRR BASE)	IP65
MIN. CURRENT	3.3mA no ISO	WEIGHT	168g
MAX. CURRENT	3.5mA ISO	DIMENSION	121 x 51 x 54.5
STROBE FLASH RATE	1Hz	COLOUR	White/Red

INTEVIO MASTER CONTROL UNIT

RK-MCU Master Control Unit is the central management device of the system, which is used to manage and monitor all devices and perform various operations. RK-MCU is integrated with audio storage, broadcast, zone control, monitor, timing control, fault diagnosis, etc. functions. Built-in 500W digital power amplifier can drive maximum 8 loudspeaker zones to meet requirements for small applications.

It can also be connected to zone expanders to increase system capacity for the requirements of large applications as well.

PART. NO RK-MCU

FEATURES

- Manage all devices in the system, used for public address and emergency broadcast
- View system status and set the parameters via LCD screen
- Supports both single channel mode and dual channel mode
- Maximum 8 loudspeaker zones can be connected, the maximum power rate of each speaker line is 500W
- Built-in 500W Class-D power amplifier, also supports external power amplifiers
- Flexible power amplifier redundancy. One spare amplifier can back up all amplifiers in the system
- Built-in 1GB Flash memory and 4GB SD card, which can be used to store audio files, recording files, configuration data and log files, etc
- Two auxiliary inputs and one MIC/LINE input
- Optional PTT microphone used for live broadcast
- Digital volume control, easy to set input and output volume
- 255 broadcast priorities can be set as required
- Built-in loudspeaker to monitor the audio signal of two channels
- Automatic recording and temporary recording
- Full system supervision, including main power supply, backup power supply, CPU, PTT microphone, power amplifier, speaker lines, dry contact inputs, network communication, etc
- 10 dry contact inputs with supervision and 8 dry contact outputs
- Supports 3-wire and 4-wire volume controller
- Capable to be integrated with the third party system, like fire alarm system through dry contact or RS-485 interface
- Zone expanders can be connected to increase the system capacity
- Remote call stations can be connected for live broadcast and control
- Built-in standard configuration allows to be used directly after installation
- The function also can be set via configuration software

ACCESSORIES HN-PTT Handmicrophone

TECHNICAL SPECIFICATION

MAIN POWER SUPPLY	AC 100 V ... 240 V 50/60 Hz	STORAGE TEMPERATURE	-40°C ... +70 °C
BACKUP POWER SUPPLY	21.5 V DC ... 28.5 V DC	DIMENSION	W: 482 mm H: 133.5 mm D: 420 mm
RELATIVE HUMIDITY	<95%, without condensing	NET WEIGHT	14.3 KG
OPERATING TEMPERATURE	-10°C ... +50 °C	POWER CONSUMPTION	<740 W

INTEVIO 500W CLASS-D POWER AMPLIFIER

RK-AMP500, 500W Digital Power Amplifier, is used to amplify the audio signal to drive loudspeakers.

It is reliable, efficient and light in weight.

PART. NO RK-AMP500

FEATURES

- Class-D technology with high efficiency
- Maximum 500W power output
- 70V and 100V audio output
- Supports both balanced and unbalanced audio input
- Forced fan cooling
- Automatic output voltage limit

TECHNICAL SPECIFICATION

MAIN POWER SUPPLY	AC 100 V ... 240 V 50/60 Hz	NET WEIGHT	11.2 KG
BACKUP POWER SUPPLY	21.5 V DC ... 28.5 V DC	POWER CONSUMPTION	<700 W
RELATIVE HUMIDITY	<95%, without condensing	DA OUTPUT	70 V / 100 V
OPERATING TEMPERATURE	10°C ... +55 °C	SNR	100 dB ± 5%, A-weighted
STORAGE TEMPERATURE	-40°C... ~ +70°C	THD	<0,1% (at 1/3 rated power. 1kHz)
DIMENSION	W: 482 mm H: 88 mm D: 407 mm		

INTEVIO

PUBLIC ADDRESS AND VOICE ALARM SYSTEM

INTEVIO 8-ZONE EXPANDER

The INTEVIO 8-Zone Expander integrates additional speaker lines, while achieving a broader reach in new and retrofit applications.

PART. NO RK-ZONE8

FEATURES

- Supports single and dual audio channels
- Maximum 8 zones can be connected, each zone has two speaker zones (A and B), of which maximum power rate is 500W
- 8 dry contact inputs with supervision
- 8 dry contact outputs
- 4 external power amplifiers and 1 spare power amplifier can be connected
- Flexible amplifier redundancy function
- Full supervision, including main power supply, backup power supply, CPU fault, power amplifier, speaker lines, dry contact inputs and network fault, etc
- Speaker line supervision in both broadcasting and non-broadcasting mode
- The volume of the signal to amplifiers can be set via RK-MCU
- Supports 3-wire and 4-wire volume controller
- Supports standalone mode and networking mode
- 1 line input interface, which can be connected to external device when device is in standalone mode or the CPU of RK-MCU fails
- DC power output interface, through which to supply power for external modules, such as volume controller
- Maximum 15 RK-ZONE8 can be used

ACCESSORIES

24V DC Power Adapter (Optional) RK-MADP

Extension Keypad HMC-K4

Extension Keypad HMC-K8

TECHNICAL SPECIFICATION

MAIN POWER SUPPLY	AC 100 V ... 240 V 50/60 Hz	NET WEIGHT	11.2 KG
BACKUP POWER SUPPLY	21.5 V DC ... 28.5 V DC	POWER CONSUMPTION	<700 W
RELATIVE HUMIDITY	<95%, without condensing	DA OUTPUT	70 V / 100 V
OPERATING TEMPERATURE	10°C ... +55 °C	SNR	100 dB ± 5%, A-weighted
STORAGE TEMPERATURE	-40°C... ~ +70°C	THD	<0,1% (at 1/3 rated power. 1kHz)
DIMENSION	W: 482 mm H: 88 mm D: 407 mm		

INTEVIO REMOTE CALL STATION

RK-MIC is used to perform various broadcasts and live announcement in zones.

This unit has programmable buttons, users may easily conduct operations, such as paging, BGM broadcast, business broadcast, voice alarm, volume control, recording, monitoring, etc.

If necessary, extension key modules can be connected to RK-MIC for more buttons.

PART. NO RK-MIC

FEATURES

- Supports gooseneck or PTT microphone for live broadcast
- Built-in loudspeaker to monitor CH1/CH2 audio
- Temporary recording function
- Line input interface to connect to external BGM audio source
- The volume of microphone, line input and loudspeaker can be set via the volume regulators at the rear panel
- 8 programmable buttons, be able to be configured by software
- Supports extension key modules as required
- Automatical supervision of microphone and communication
- The distance between RK-MCU and RK-MIC can be up to 600 meters via twisted-pair cable using an additional power supply
- Call station can be powered by RK-MCU (max. 400m distance)
- Maximum 6 remote call stations can be connected to the system

ACCESSORIES

HN-PTT Handmicrophone
HMC-K4 Call station keypad 4 emergency buttons
HMC-K8 Call station keypad 8 buttons
X-NPMS-R Rack Mounted Panel for Call station

TECHNICAL SPECIFICATION

POWER SUPPLY	DC 24 V	POWER CONSUMPTION	10 W
RELATIVE HUMIDITY	<95%, without condensing		
OPERATING TEMPERATURE	-10°C ... +55 °C		
STORAGE TEMPERATURE	-40°C ... +70 °C		
DIMENSION	W: 200 mm H: 46.5 mm D: 200 mm		
NET WEIGHT	1.4 KG		

INTEVIO EMERGENCY POWER SUPPLY

The Emegency Power Supply acts as a battery charger and control device for 24V DC external back up batteries in accordance with EN 54-4+A1+A2 standards. The front panel includes LED indicators, control push button and USB socket, allowing control and test of power supply operating parameters.

All connections are located at the rear of the unit, which has two confi guration options: all 6 outputs providing the same current or 2 of the 6 with increased current-carrying capacity.

PART. NO 581726

FEATURES

- High power backup power supply for 19” rack
- High output current, up to 200 A @ 24 VDC
- Management of one battery circuit
- Max. capacity of batteries 270 Ah
- Battery circuits resistance tests
- Balancing voltage level of batteries in series
- Temperature compensation of bulk charging and floating voltage
- Advanced diagnostic and status indication
- Built-in DC power distribution panel and low voltage disconnect device LVDD
- Option to start system with only battery power, w/o mains source present – so called cold start
- Built-in gauge of battery circuit resistance
- UI characteristics of battery charging
- Ability to work in floating mode or with discontinuous battery charging
- Single phase power with PFC
- Microprocessor controlled
- Digital communication via USB connector
- Operation with various acid batteries

ACCESSORIES

24V DC Power Adapter (Optional) RK-MADP
Extension Keypad HMC-K4
Extension Keypad HMC-K8
581730 Battery 12V / 105 Ah
581731 Battery 12V / 150 Ah
581732 Battery 12V / 65 Ah
583496 End of Line Module

TECHNICAL SPECIFICATION

MAINS POWER	15 to 29 VDC (Isolation)	OPERATIONAL TEMPERATURE / COOLING METHOD	32
AUXILIARY OUTPUTS CURRENT AVAILABLE AT MAINS POWER IMAX A*1)	225 uA	DIMENSION	High, Medium, Low
TOTAL BATTERY CURRENT SOURCED FROM ALL OUTPUTS WHEN MAINS POWER IS NOT PRESENT	< 10.5mA (High Volume Tone 21 @24V)	WEIGHT	-25°C to 70°C
MAXIMUM CAPACITY OF THE EXTERNAL BATTERY BANK *1)	95dB(A) +/-3dB @1m (High Volume, Tone 8 @24V)	INGRESS PROTECTION CODE	Up to 95% non-condensing

BATTERY FOR EMERGENCY POWER SUPPLY 12 V / 105 AH

Emergency battery for usage in emergency power supply of Voice Alarm applications.

PART. NO 581730

FEATURES

- Optimized for using in 19" cabinets
- Front terminal

TECHNICAL SPECIFICATION

WEIGHT KG	approx. 32.5 KG	**DIMENSIONS**	L: 502 mm W: 111 mm H: 236 mm

BATTERY FOR EMERGENCY POWER SUPPLY 12 V / 150 AH

Emergency battery for usage in emergency power supply of Voice Alarm applications.

PART. NO 581731

FEATURES

- Optimized for using in 19" cabinets
- Front terminal

TECHNICAL SPECIFICATION

WEIGHT KG	approx. 49.5 KG	**DIMENSIONS**	W: 552 mm H: 110 mm D: 288 mm

BATTERY 12 V / 65 AH

Emergency battery for usage in emergency power supply of Voice Alarm applications.

PART. NO	581732

TECHNICAL SPECIFICATION

WEIGHT KG	approx. 21.3 KG	DIMENSIONS	W: 348 mm H: 178 mm D: 163 mm

END OF LINE MODULE (EOL)

End-of-line module for the end of the VARIODYN D1 voice alarm system loudspeaker line for standard-compliant monitoring, when more than 20 loudspeakers are connected to a line.

The module is connected to the final loudspeaker at the end of the line.

Independent of the number and the output of the connected loudspeakers.

PART. NO	583496

FEATURES

- Approved as per EN 54-16
- Standard monitoring
- Final element for 100 V of loudspeaker line in 2-wire technology
- Different connection possibilities for optimum line adaptation (3 connections)
- The module is sealed and has therefore an optimum humidity protection

TECHNICAL SPECIFICATION

WEIGHT	approx. 20 g	DECLARATION OF PERFORMANCE	DoP-20997130701
DIMENSIONS	L: 40 mm W: 29 mm D: 11 mm		

HN-AIO2X2 AUDIO CONTROL MODULE

HN-AIO2X2 (Audio Control Module) is the audio control interface to connect the third system and the broadcast device.

The third system can operate broadcasts through the audio signal and the control signal, such as the switch or voltage signal.

PART. NO HN-AIO2X2

FEATURES

- 3-channel control input, supports both voltage signal and switch signal
- 2-channel control output, contains NO, NC and COM ports
- 2-channel audio difference input, be able to set input level
- 2-channel audio difference output
- Link control output via the control input or the audio input
- Be able to configurable via RS-232 interface
- Be able to install in DIN guideway that comply with EN 60715

TECHNICAL SPECIFICATION

POWER SUPPLY	DC 24 V ± 5%
RATED POWER	2 W
AUDIO INPUT	
INPUT CHANNELS	2
INPUT SIGNALS	LINE: 0 dB V (1V), Balanced MIC: -40 6 dB V (5mV), Balanced
INPUT IMPENDANCE	20 KΩ
FREQUENCY RESPONSE	20 ... 20 KHz
SNR	>87 dB
AUDIO OUTPUT	
OUTPUT CHANNELS	2
OUTPUT SIGNALS	0 dB V (1V)
SNR	<0.05%
CONTROL INPUT	
INTERFACE QTY	3
INPUT SIGNAL TYPE	Voltage signal or switching signal
EFFECTIVE RANGE OF LOW LEVEL	0 ... 0.3 V DC
EFFECTIVE RANGE OF HIGH LEVEL	3.3 ... 24 V DC
CONTROL OUTPUT	
INTERFACE QTY.	2 (NO, NC and COM)
MAXIMUM CURRENT & VOLTAGE	AC 10 A / 277 V, AC 12 A / 125 V
OTHERS	
OPERATING TEMPERATURE	-10°C ... +55°C
STORAGE TEMPERATURE	-40°C ... +70°C
RELATIVE HUMIDITY	< 95%, without condensing
DIMENSION	W: 126.5mm H: 118mm D: 45mm
PACKING DIMENSION	W: 210mm H: 135mm D: 65mm
NET WEIGHT	0.23 KG
GROSS WEIGHT	0.36 KG

Honeywell Romania S.R.L
www.hls-austria.com | www.hls-romania.com
hls-romania@honeywell.com

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