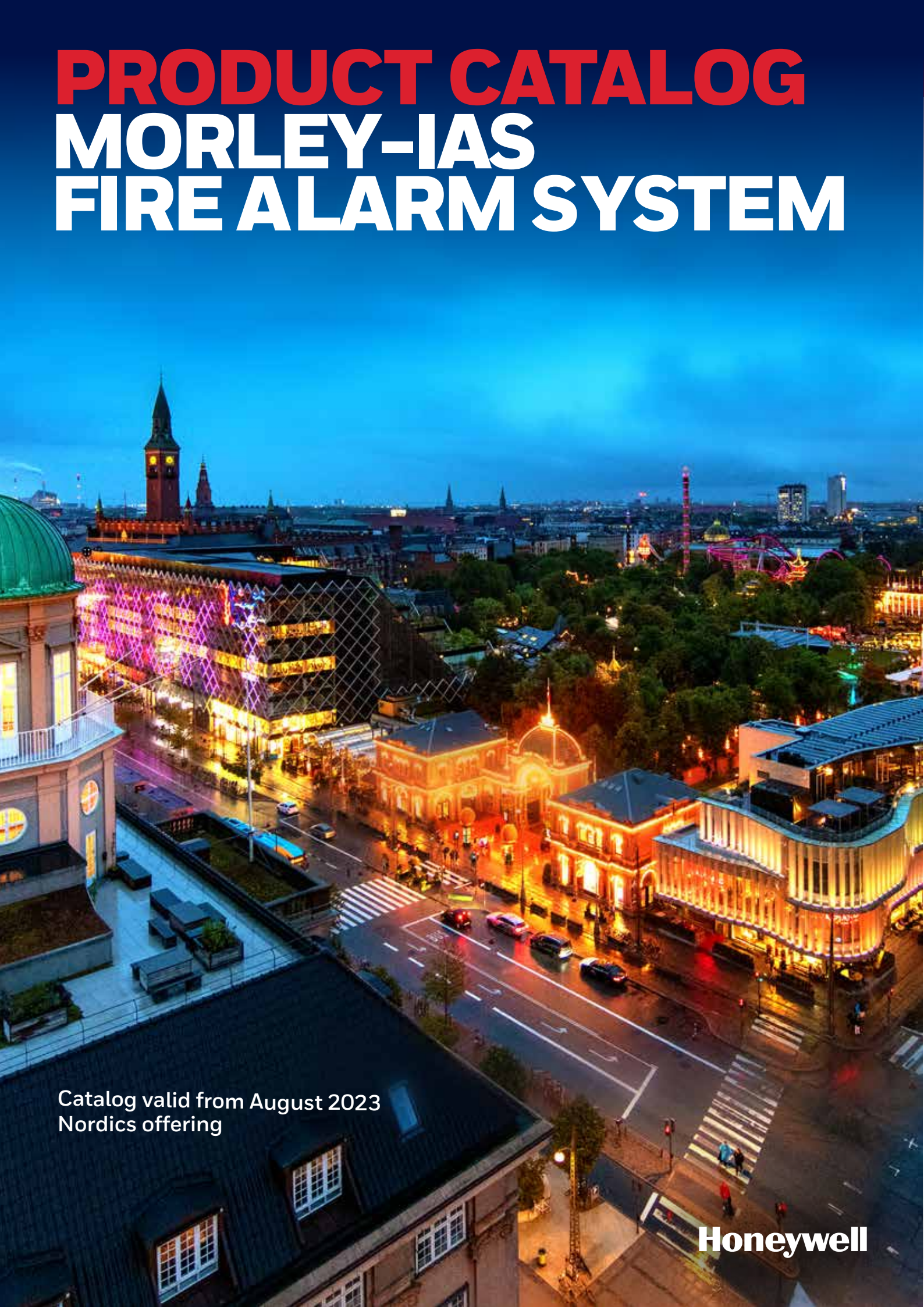
PRODUCT CATALOG
MORLEY-IAS FIRE ALARM SYSTEM



Catalog valid from August 2023
Nordics offering

Honeywell

PRODUCT CATALOG
MORLEY-IAS

Products range index

CONTENTS

4 MORLEY-IAS PANELS AND ACCESSORIES

12 DETECTORS AND ACCESSORIES (WIRED)

26 DETECTORS AND ACCESSORIES (WIRELESS)

43 SPECIAL DETECTORS AND ACCESORIES - ASPIRATION SMOKE DETECTION

51 SPECIAL DETECTORS & ACCESORIES - BEAM DETECTION

56 I/O MODULES

66 MANUAL CALL POINTS

70 ADRESSABLE AUDIO VISUAL DEVICES

MORLEY-IAS PANELS & ACCESSORIES

FIRE ALARM SYSTEM

Honeywell

MORLEY IAS

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 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

DETECTORS & ACCESSORIES (WIRED)

FIRE ALARM SYSTEM

Honeywell

MORLEY IAS

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

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

PART. NO	B501AP

DETECTORS & ACCESSORIES (WIRELESS)

FIRE ALARM SYSTEM

Honeywell

MORLEY IAS

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.

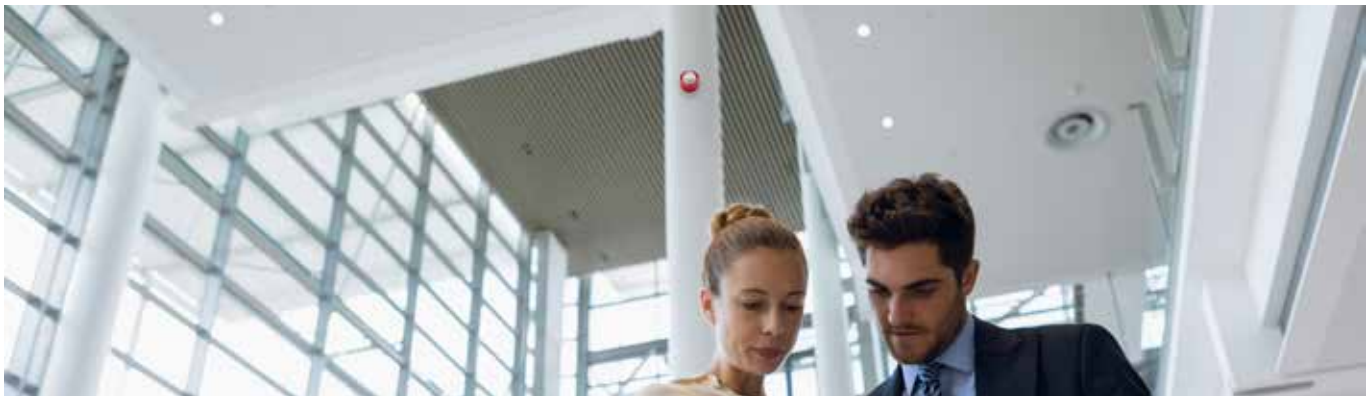
PART. NO WSF-RR-RF

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

ASPIRATION SMOKE DETECTION

Honeywell
MORLEY IAS
FIRE SYSTEMS

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

SPECIAL DETECTORS & ACCESORIES

BEAM DETECTION

Honeywell

MORLEY IAS
FIRE SYSTEMS

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

I/O MODULES

FIRE ALARM SYSTEM

Honeywell

MORLEY IAS
FIRE SYSTEMS

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	2.5mm²
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	2.5mm²
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

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

MANUAL CALL POINTS

FIRE ALARM SYSTEM

Honeywell

MORLEY IAS

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-K013-01

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

ADRESSABLE AUDIO VISUAL DEVICES

FIRE ALARM SYSTEM

Honeywell

MORLEY IAS

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/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 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

Honeywell Life Safety AS
www.hls-eltek.no

Subject to technical changes without notice.

Part no. MMSCatalog 04/2023-C
© 2023 Honeywell International Inc.

Honeywell