### GENERAL SPECIFICATION

- **Capacity**: Up to 8 channels with base unit, up to 16 channels with expansion unit
- **Type of inputs**: 2 or 3 wires, mA, mV, max. 15W per channel, max 40W total (with dedicated A/V drive) / 68W total (without dedicated A/V drive)
- **Size (wall-mounted version)**: 426 mm × 300 mm × 156 mm (16.8” x 11.8” x 6.1”)
- **Housing Material**: Polycarbonate ABS
- **Weight**: Max 8.5 kg (18.7 lb), max 17 kg (37.4 lb) with expansion unit

### USER INTERFACE (UI) - CONTROLLER ONLY

- **Display**: 7” colour LCD touchscreen. Graphic User Interface
- **Visual indicators**: 3 LEDs for master indicators. LED for each channel. Green: Normal; Yellow: Fault; Inhibit; Red: Alarm
- **Audible alarm**: ≥ 70dB @ 1m
- **Button**: Common for reset/mute operation
- **Language**: English, French, German, Italian, Dutch, Spanish, Portuguese, Russian, Chinese

### POWER SUPPLY*

- **Power AC**: 110/220VAC, 50-60Hz Manual switching
- **Power DC**: 18 to 32 VDC (+/-10%). Typical 24VDC
- **Power consumption**: Max 105W (including detector and external devices), max 210W with expansion unit

### ENVIRONMENTAL

- **Operating**: -10°C to +55°C (14°F to +131°F) continuous, up to 95% RH (non-condensing), IP65 and NEMA 4X
- **Storage**: Instrument -25°C to +60°C. (-13°F to +140°F), up to 95% RH (non-condensing)

### AVAILABLE I/O MODULES

- **4~20mA input**: 2 or 3 wire, 2/4/8 channel modules, 10/12/16 with expansion unit
- **mV input**: Catalytic type flammable gas detectors (Honeywell models). 2/4/8 channel modules, 10/12/16 with expansion unit
- **Dual Input**: 2 channel mA + 2 channel mV module or 4 channel mA + 4 channel mV module
- **Relay output**: 12 or 24 relay outputs, NO/NC/NC changeover, 1 TAx30VDC/25VAC, user configurable - energised/de-energised, latching/non latching, time delay
- **4~20mA output**: 4 or 8 isolated repeated mA outputs, 0-22mA, 0-100%FSD + 4-20mA
- **Common inputs**: Remote reset, remote inhibit
- **Common outputs**: Four powered A/V outputs for alarms and fault, three common alarm outputs

### APPROVALS

- **Electromagnetic Compatibility and Electrical Safety**: EMC/RFI (EN 50270:2015); LVD (EN 61010-1:2010); CSA-C22.2 No. 61010-1-04; UL 61010-1 (3rd Edition) and 508
- **Safety Integrity**: IEC 61508:2010 Ed.2 SIL2; EN 50271:2010
- **Hazardous Location**: Class I, Division 2, Group A, B, C and D or non-hazardous only
- **Marine**: MED (Item No.: 3.56)

### OTHERS

- **Backup battery**: 22.2V Lithium Ion Battery, 2600mAh capacity (~30 minutes for typical system)
- **Data logging**: Configuration, logged events and data
- **Communication**: MODBUS TCP, WEB monitoring and MODBUS RTU

* Basic and expansion units each require a power supply
** Not available in Expansion Unit

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**Please Note:**

While every effort has been made to ensure accuracy in this publication, no responsibility can be accepted for errors or omissions. Data may change, as well as legislation, and you are strongly advised to obtain copies of the most recently issued regulations, standards, and guidelines. This publication is not intended to form the basis of a contract.