

THE FLEXIBLE AND AFFORDABLE DIN RAIL-MOUNTED CONTROLLER FOR SYSTEM INTEGRATORS.

The Unipoint is a simple DIN-rail-mounted controller that provides system integrators with a flexible and affordable way to incorporate their flammable, toxic or oxygen gas detectors into their control system.

The Unipoint can be easily installed in any plastic or metal enclosure for use indoors or outdoors and even in potentially explosive atmospheres. Small- to medium-sized monitoring solutions can be created by connecting multiple Unipoints. Each unit has audiovisual alarms, three programmable alarm relays and a fault relay.



TECHNICAL DATA

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|------------------------------------|--|
| ▶ Size | 5.5 x 11.8 x 5.9 in. / 14.0 x 30 x 15.5 cm |
| ▶ Weight | 7.94 op / 225g |
| ▶ Protection Class | Inside, IP3x |
| ▶ Inputs and outputs | All electrical connections except power are made via removable terminals located on the top and bottom of the controller. The power connection is made via the power connector attached to the DIN rail. |
| ▶ User interface Operation: | Two pushbuttons for normal operation of resetting alarms and initiating self diagnostic test of system. Four buttons for user programmable functions via intuitive menu. |
| ▶ Backlit Display | Units of measure, digital gas reading and event code |
| ▶ Flashing LEDs | Alarm (red), power (green), fault (amber) Data logging: No |
| ▶ Temperature | +14 to +131°F (-10 to +55°C) |
| ▶ Humidity | 10 - 90% RH (non-condensing) |
| ▶ Supply: | Nominal 24VDC (18-32VDC). Max power mV = 4.8W (including power to detector), mA = 3.0W (excluding power to 3 wire detector) |
| ▶ Battery | Optional (external battery) |
| ▶ Approvals | EMC/RFI: EN50270 Electrical Safety: EN61010, UL61010b Performance: ATEX measuring function EN60079-29-1, SIRA10ATEX8243X CE, TUV |
| ▶ Warranty | 1 year |

FEATURES

INPUT SPECIFICATIONS

Available lines: one input available in mV or 4-20mA

Nominal voltage: nominal 24V DC (18-32V DC)

Maximum power per line:

mV detector = 4.8W (including power to detector)

mA detector = 3.0W (excluding power to three-wire detector)

ALARMS

Relays: four relays available

Type: SPCO/3A, 240V AC/28V DC (non-inductive load)

Alarm levels: three alarm levels (AI1, AI2, AI3) + fault,

Integrated audiovisual alarms

Programming:

Alarms: latching/non-latching - Energised/de-energised

Alarm trip point: rising/falling

Alarm on/off time delay:

(0 to 900 seconds)

Fault: latching/non-latching - Energised/de-energised



| Maximum number of controllers on one power rail | |
|---|-------------------------------|
| Type of detector | Maximum number of controllers |
| ▶ 3-wire mV | 8 |
| ▶ 2-wire mA | 8 |
| ▶ 3-wire mA | 4 |