

A50E-2

Addressable line relay module

Miniature addressable relay

The A50E-2 is an addressable relay providing single pole, volt free, change over contacts. The unit is intended for installation within the equipment to be switched, thereby offering savings in installation costs when compared to long, auxiliary circuit, wiring runs out from the control panel.

Complying with EN54 Part 18, the relay can be located anywhere on the two core ZP loop and is designed for power up or shut down of building services, for example air conditioning plant, in fire conditions.

The unit is ideal for the control of associated system equipment such as door release circuits, or the emergency shutdown of high risk services, for instance gas or oil supply valves in boiler rooms.



Low profile moulding

The relay can be programmed to be activated by any single device, groups of devices or all system devices. All types of system input signals can be arranged to operate the A50E-2, which can include control panel indicators, zonal outputs, callpoints or sensors.

Housed in a low profile, double width moulding the interface is designed to clip directly onto a standard DIN rail fixing or be installed in a SMB-DIN100 box (one unit capacity), or a SMB-DIN200 box (two unit capacity).

LED indication

A red LED indicator positioned on the front moulding flashes when the interface has operated, providing clear identification of the input signal source. Installed as part of an analogue addressable system, up to 127 line devices (sensors, callpoints or interface units) can be connected to each of the control panel loops. All loop devices incorporate switch settings enabling them to be assigned a unique address, which is polled by the panel every two seconds.

Standard Features

- Addressable interface unit
- Complies with EN54 Part18
- Low profile
- DIN rail mounted
- Loop wired - adjacent to equipment to be switched
- Operated from any combination of input addresses
- Volt free, change over contacts



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Specifications

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| Model No | A50E-2 |
| Specification | EN54 Part 18 |
| Description | Addressable relay module |
| Compatibility | All ZP analogue addressable systems |
| Mounting | Equipment cabinet DIN rail, or SMB-DIN 100, SMB-DIN200 surface boxes |
| Wiring | 2 core loop (screened) |
| Operating voltage | Pulsed ZP loop (19.5 – 20.5V) with max 4 Volt line loss. |
| Current | 600uA quiescent, 700uA alarm |
| Relay contacts | Single pole, change over |
| Max switching current | 1.0 A |
| Max switching voltage DC | 30Vdc |
| Max switching voltage AC | 40Vac |
| Indication | LED (red) flashing on operation |
| Application | Indoor installation |
| EN60529 rating | IP20 |
| Temperature range | -10°C to +75°C |
| Humidity range | 20% to 95% RH (non condensing) |
| EMC | CE marked (EEC89/336) |
| Material | Moulded ABS |
| Dimensions | 85mm (W) x 78mm (H) x 28mm (D) |
| Colour | White |
| Weight | 40g |
| Publication No | PS1761 |

Ordering Information

| Part No. | Description |
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