99102

A50E-2 A-Series addressable mini relay unit

Overview

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. Approved to EN54-18, the relay may 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.

Installation and mounting options

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, call points or detectors.

Housed in a low profile, double width molding the interface is designed to clip directly onto a standard DIN rail fixing or be installed in a SMB-DIN1 box (one unit capacity), or a SMB-DIN2 box (two unit capacity).

Installed as part of an analogue addressable system, up to 127 line devices (detectors, call points 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.

LED indication

A red LED indicator positioned on the front molding flashes when the interface has operated, providing clear identification of the signal source.

Details

- Addressable interface unit
- Low profile
- DIN rail mounted
- Loop powered - installed adjacent to equipment to be switched
- Operated from any combination of input addresses
- Volt free, change over contacts
- EN54:18 approved and CPR certified

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Technical specifications

General

Status indication	LED (red), flashing on operation
Compatibility	ZP7 Series Systems
Addressing method	DIP Switches
Address range	1 to 127

Electrical

Power supply type	Loop powered
Operating voltage	Pulsed Loop 16 to 20.5 V
Current consumption	<600 µA (Quiescent) <850 µA (Active)

Output

Output quantity	1
Output type and rating	Single pole, change over, 1 A @ 30 VDC / 0.3A @ 40 VAC

Physical

Physical dimensions	85 x 78 x 28 mm (W x H x D)
Net weight	40 g
Colour	White
Mounting type	DIN-rail, In cabinet, Wall mount
Material	Moulded ABS
Cable specification	2 core loop (screened)

Environmental

Vandal proof	No
Operating temperature	-10 to +55ºC
Storage temperature	-10 to +55ºC
Relative humidity	20 to 95% noncondensing
Environment	Indoor
IP rating	IP20 (EN60529)

Regulatory

Compliancy	CE, REACH, RoHS 3, WEEE
Certification	CPR
Standards	EN54-18
Environmental	EEC89/336

Compatible products

Category	Reference	Description
Interface unit	SMB-DIN1	SM box C/W DIN for A modules
Interface unit	SMB-DIN2	SM box C/W DIN for A modules

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