

A45E-2

Addressable interface module

Miniature input interface unit

The A45E-2 addressable interface is designed for installation within the enclosures of equipment associated with fire detection systems. The unit is installed directly onto the ZP loop wiring, carries a system address and enables signals from associated equipment to be interfaced into the fire alarm system. Input signals are fully displayed at the control panel and can be programmed to activate any system output.

By routing loop wiring and installing interfaces adjacent to input equipment, system integrity is increased and the need for long spur wiring between equipment terminals and the fire alarm interface is eliminated.

Low profile mouldings

Complying with EN54 Part 18 the A45E-2 can be installed singly, or used in groups to provide multiway inputs from equipment such as volt free, zonal outputs from conventional fire alarm systems or flow valves from sprinkler installations.

Housed in a low profile, single width moulding the interface is designed to clip directly onto a standard DIN rail fixing or be installed in a SMB-DIN100 box (two unit capacity), or a SMB-DIN200 box (four 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 input interface unit
- Complies with EN54 Part18
- Low profile
- DIN rail mounted
- Accepts normally open input circuits
- Monitors input circuit wiring for open or short circuit faults



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Specifications

Model No	A45E-2
Specification	EN54 Part 18
Description	Addressable interface unit
Compatibility	All ZP analogue addressable systems
Mounting	Equipment cabinet DIN rail, or SMB-DIN 100, SMB-DIN200 surface boxes
Wiring	2 core loop (screened)
Monitoring	Input cable for open or short circuit fault by 3K9 ohm EOL resistor
Input signal	Normally open - with 1K8 series resistor
Interface type	Fire or non fire (set by software in panel)
Indication	LED (red) flashing on operation
Operating voltage	Pulsed ZP loop (19.5 – 20.5V) with max 4 Volt line loss.
Current	650uA quiescent, 700uA alarm
Max cable distance	10m (from switching terminals) Cable must be screened and the screen terminated in the loop screen terminal
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	45mm (W) x 78mm (H) x 28mm (D)
Colour	White
Weight	40g
Publication No	PS1762

Ordering Information

Part No.	Description
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