



PS1762.1

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.

Complying with Pr 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 low profile mouldings, the interfaces are designed to clip directly onto a standard DIN rail fixing. For non DIN rail mounting, units can be installed in a 100mm x 100mm standard accessory box.

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.

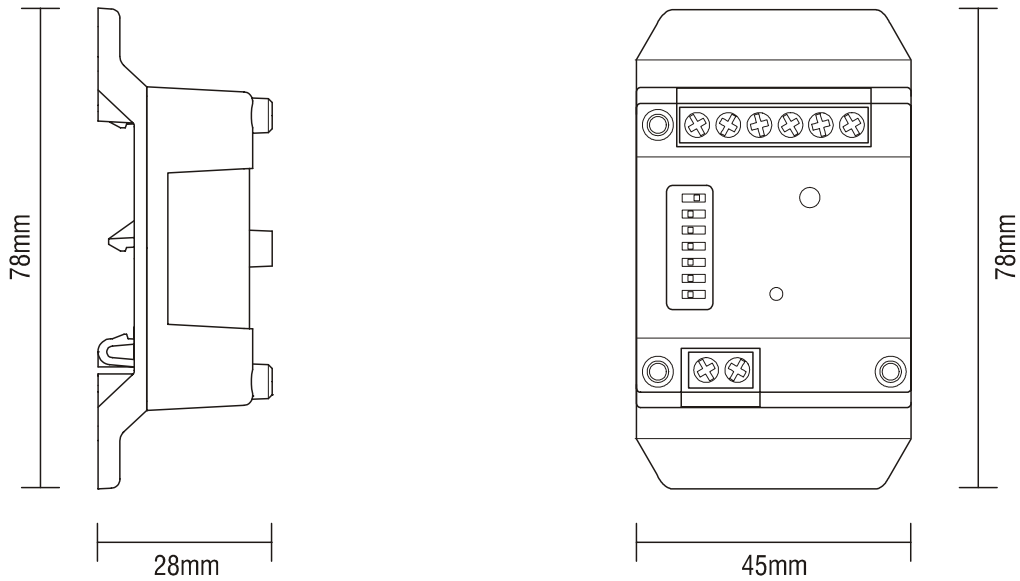


A45E-2

Addressable Interface Module

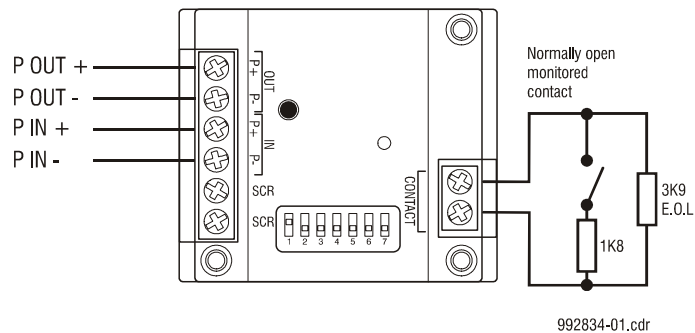
- **Addressable input interface unit**
- **Complies with Pr EN54 Part18**
- **Low profile**
- **DIN rail mounted**
- **Accepts normally open input circuits**
- **Monitors input circuit wiring for open or short circuit faults**

Dimensions



993068-01.cdr

Wiring Diagram



992834-01.cdr

Specification



Model No.	A45E-2
Description	Addressable interface unit
Compatibility	All ZP analogue addressable systems
Mounting	Surface
Wiring	2 core loop (screened)
Monitoring:	
Input cable	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	Standby 650 μ A Alarm 700 μ A

Max cable distance	10m (from switching terminals) Cable must be screened and the screen terminated in the loop screen terminal.
Environmental:	
Application	Indoor use
EN60529 rating	IP20
Temp range	-10°C to +75°C
Humidity range	20% to 95% RH (non condensing)
EMC	CE marked (EEC89/336)
Construction:	
Material	Moulded ABS
Dimensions	45mm (W) x 78mm (H) x 28mm (D)
Colour	White
Weight	40g