

99202

A45E-2 A-series EN mini interface

Overview

The A45E-2 addressable interface (input unit) 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.

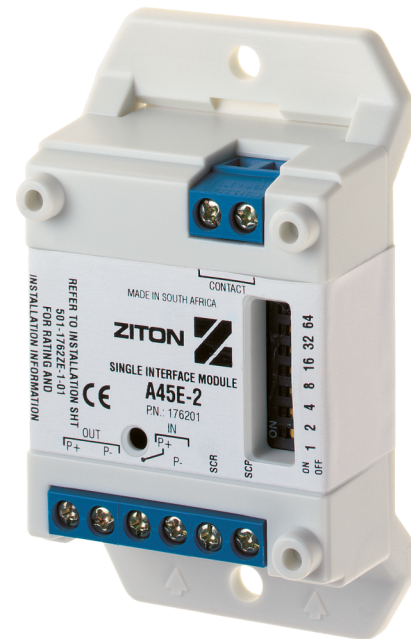
Installation and mounting options

Approved to EN54-18, 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-DIN1 box (two unit capacity), or a SMB-DIN2 box (four unit capacity).

Installed as part of an addressable system, up to 127 line devices (detectors, call points or interface units) may 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 moulding flashes when the interface has operated, providing clear identification of the input signal source.



Details

- Addressable input interface unit
- Low profile
- DIN rail mounted
- Supervises normally open input circuits
- Monitors input circuit wiring for open or short circuit faults
- Approved to EN54:18 and CPR certified

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Technical specifications

General

Status indication	LED (red) flashing on operation
Compatibility	All ZP addressable systems

Electrical

Operating voltage	pulsed ZP Loop 19.5 to 20.5 V
Current consumption	650 µA (quiescent) 700 µA (alarm)

Physical

Physical dimensions	45 x 78 x 28 mm (W x H x D)
Net weight	40 g
Colour	White
Mounting type	DIN-rail
Material	Moulded ABS
Mounting	Equipment cabinet DIN rail, or SMB-DIN1, SMB-DIN2 surface boxes

Environmental

Operating temperature	-10 to +75°C
Relative humidity	20 to 95% noncondensing
Environment	Indoor
IP rating	IP20 (EN60529 rating)

Regulatory

Certification	CPR, EN54-18
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Wiring

Loop	2 core loop (screened)
Input	2 core spur (screened)

Monitoring

	Open or short circuit fault by 3k9 ohm EOL resistor
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Input signal

	Normally open - with 1k8 ohm series resistor
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Alarm type

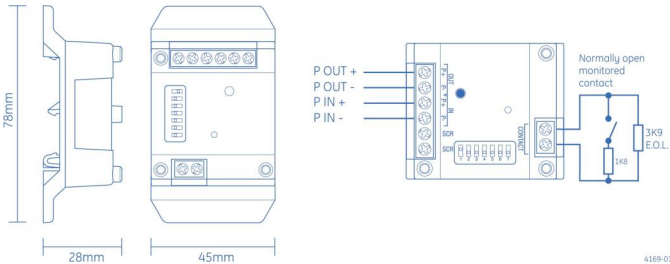
	Fire or non fire (set by software in CIE)
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Max cable distance

	10 m (from switching terminals)
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EMC

	CE marked (EEC89/336)
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