

A70E-2

ZP7 Series Conventional Zone Interface

General

The A70E-2 is a ZP7 series, addressable interface for conventional fire detectors. It is fully loop powered and enables existing or new conventional fire detection zones to be interfaced to an addressable fire alarm system, allowing all areas of a site to be controlled by a Ziton addressable fire panel. A single output is additionally available to switch external 24VDC to output contacts in case of alarm.

Via the A70E-2 each conventional zone is assigned a unique loop address. The zones are monitored for alarm and fault conditions and the status reported to the fire panel every 2 seconds.

Up to 15 Ziton Z600 series conventional devices can be connected to the interface, taking a single address on the loop. The Ziton protocol supports up to 127 addresses per loop.

Detector Head-out Removal Monitoring

The A70E-2 monitors its conventional zone wiring for open and short circuit faults via end-of-line resistors supplied with the unit. When Z600 detectors are installed with Z6-BS5 bases, the interface maintains complete operation of all zone devices even when a detector is removed from its base.

For maintenance purposes, clear visual indications are shown on the front of the A70E-2 for alarm (red LED) and fault (amber LED).

Multiple Application Support

Drawing its power directly from the fire detection loop and supporting low current consumption, the A70E-2 has additional system applications ranging from an interface to equipment for hazardous areas, the operation of magnetic door retainers (via an interposing relay) and even an interface for linear beam detectors.

Housed in a low profile housing, the A70E-2 is designed to clip directly onto a standard DIN35 rail fixing, or be installed in an optional housing (SMB-DIN1 - one unit capacity, or a SMB-DIN2 - two unit capacity). In systems where numerous interfaces are installed or current requirement is excessive, the A70E-2 can be powered from an external. EN54-4 approved power supply.



Standard Features

- Interfaces conventional devices to an addressable loop
- Standard and intrinsic safe detector support
- Status reporteds 2 seconds
- Open, short and head-out supervision
- DIN35 rail mounted
- Up to 127 conventional zones interfaced to a ZP loop (with external PSU)
- EN54:18 approved and CPR certified

A70E-2

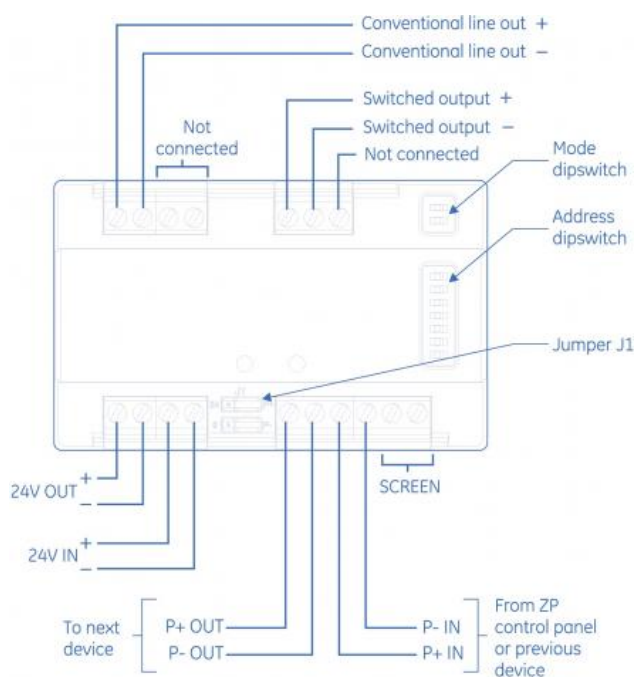
ZP7 Series Conventional Zone Interface

Specifications

Compatibility	ZP2 and ZP3 addressable systems
Application	Indoor installation
Wiring	
Addressable loop	Two core screened
Conventional zone	Two core
Monitoring	Open & short circuit fault
Conventional support	<15 detectors
Detector compatibility	UTC supplied conventional, IS detectors & barrier
End-of-line support	
Standard devices	3k9 O
Intrinsically safe devices	8k2 O
Operating voltage	
Loop power	19.5 to 20.5VDC
External power	19 to 30VDC
Current consumption (loop powered)	
Quiescent	8.3 mA
Alarm	< 24.6 mA
Current consumption (ext. power)	
Quiescent	7.3 mA
Alarm	< 36.6 mA
Environmental	
IP rating	IP20
Operating temperature	-10°C to +80°C
Relative humidity (non condensing)	20% to 95%
Physical	
Material	Moulded ABS
Colour	White
Dimensions (w x h x d)	85mm x 78mm x 27mm
Weight	80g
Mounting	Surface or DIN mount

Ordering Information

Part No.	Description
A70E-2	ZP7 Series Conventional Zone Interface
SMB-DIN1	SM BOX C/W DIN FOR A MODULES
SMB-DIN2	SM BOX C/W DIN FOR A MODULES



4477-01