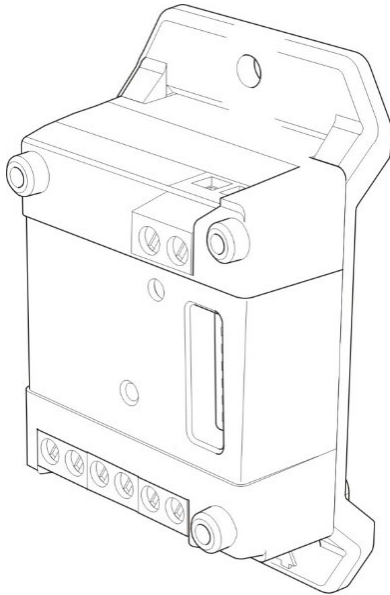


A45E-2 Single Input Module Installation Sheet



Description

The A45E-2 Single Input Module provides a single remote input in Ziton addressable fire detection systems. A single device address is required.

The module is designed to accept inputs from equipment providing normally open outputs and monitors circuit wiring for both open circuit and closed circuit faults. The module may be used for alarm, supervisory, or monitor type applications.

A status LED indicates the module status (activated, not activated).

The module complies with EN 54-18.

Caution: If the module is used in conditions or circumstances that do not comply with those tested for and allowed in EN 54-18, operation may be impaired and the supplier will not be liable for any injury suffered or damage caused as a result.

Always contact your local technical support team for advice if the module is to be used in conditions that differ from those detailed in EN 54-18.

Installation

Mounting

The module must be mounted inside a compatible electrical box (such as the Ziton SMB-DIN1 or SMB-DIN2).

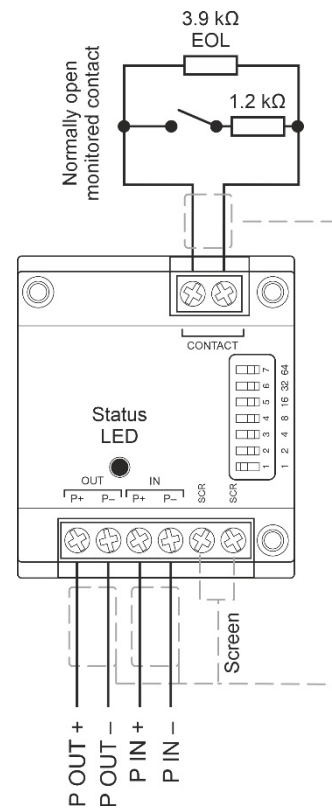
Mount the protective housing onto the wall using a suitable mounting system for the wall characteristics.

Wiring

Wire the module as shown in Figure 1, below.

Use 14, 16, or 18 AWG wire (0.75, 1.0, or 1.5 mm²). Sizes 16 and 18 AWG are recommended.

Figure 1: Wiring



Note: Connect all cable screens to a single point, as shown.

Figure 1 shows connection to a normally open contact with wiring monitored as follows:

Contact open	Normal
Contact closed	Alarm
Wiring open	Fault
Wiring shorted	Fault
EOL resistor	3.9 kΩ
Series resistor	1.2 kΩ

After installation always verify that all field wiring is free of opens, shorts, and ground faults.

Setting the address

Use the seven-segment DIP switch (see Figure 1) to set the device address from 1 to 127.

Each switch has a decimal value, as shown below. The device address is the sum of the switch values.

For example, to set device address 007, set switches 1, 2, and 3 to ON and all other switches to OFF.

Note: The switch *values* determine the address, not the switch numbers.

Switch	1	2	3	4	5	6	7
Value	1	2	4	8	16	32	64

Maintenance

The device contains no user-serviceable parts and should not be disassembled.

Specifications

Operating voltage	16 to 20.5 V pulsed
Standby current	600 µA
Activated indication	Flashing red status LED
IP rating	IP20
Application	Indoor use
Operating environment	
Operating temperature	-10 to +55°C
Storage temperature	-10 to +55°C
Relative humidity	20 to 95% noncondensing
Dimensions (W x H x D)	45 x 78 x 28 mm
Weight	40 g

Regulatory information

This section provides a summary on the declared performance according to the Construction Products Regulation (EU) 305/2011 and Delegated Regulations (EU) 157/2014 and (EU) 574/2014.

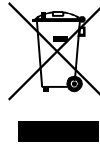
For detailed information, see the product Declaration of Performance (available at firesecurityproducts.com).

Conformity	CE
Notified/Approved body	0370
Declaration of Performance number	360-5211-0599
Year of first CE marking	09
Product Identification	A45E-2
Intended use	See the product Declaration of Performance
Declared performance	See the product Declaration of Performance

Manufacturer

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Contact information and product documentation

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