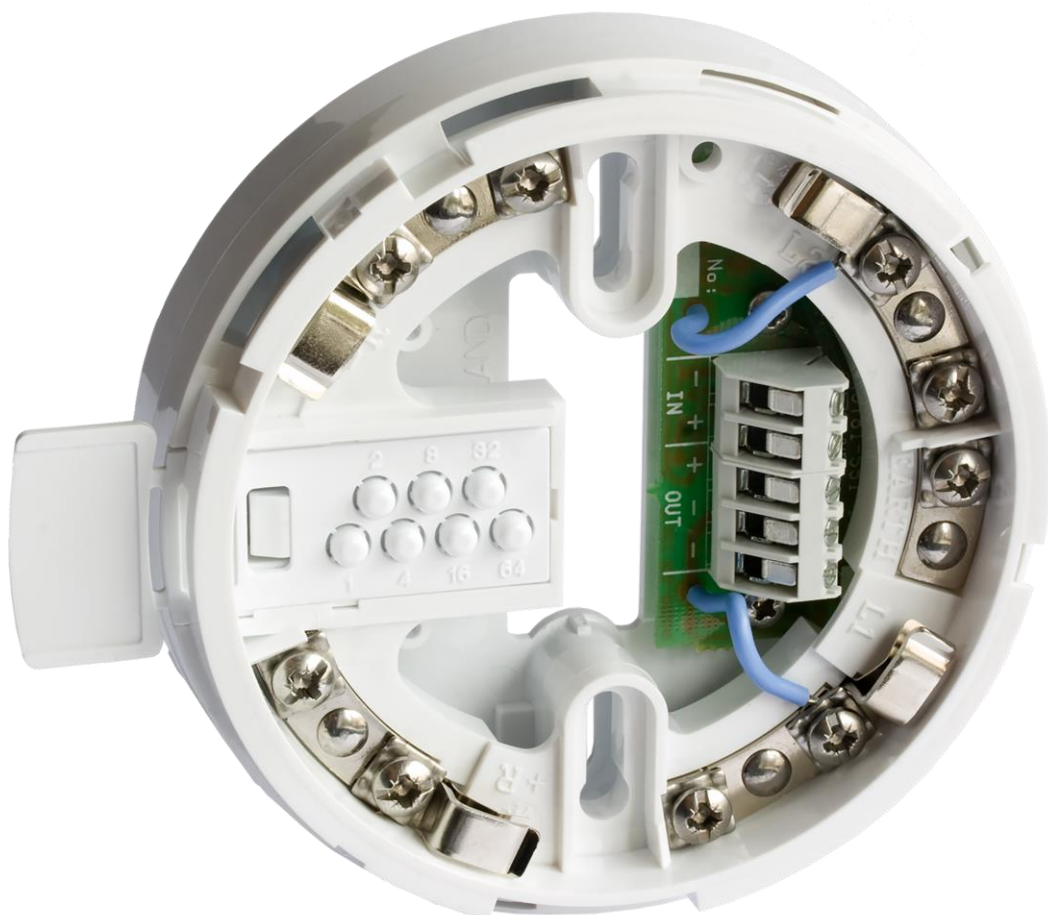


Intellia Isolating Base EBI-11

Instruction Sheet
R10138GB0



Schneider Electric Fire & Security Oy

Sokerilinnantie 11 C
FI-02600 Espoo, Finland
Tel: +358 10 446 511
Website: www.schneider-electric.com
Document number: R10138GB0
Published: 14.05.2019

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1 Intellia Isolating Base EBI-11

The Intellia Isolating Base EBI-11 (FFS06720011) senses and isolates short circuit faults on system loops and spurs.

The base is loop-powered, polarity sensitive and accepts the XPERT card to set the address of the associated device.

In short-circuit conditions the integral yellow LED is illuminated. The detector associated with the base remains active under short-circuit conditions. Power and signals to the affected section are restored automatically when the fault is cleared.

1.1 Operation

Under normal operating conditions a low impedance is present between the -IN and -OUT terminals of the base so that power and signals pass to the next base in line.

If a short-circuit or abnormally low impedance occurs the fall in voltage is sensed and the base isolates the negative supply in the direction of the fault. The isolated section is tested using a current pulse every five seconds. When the short-circuit is removed, the power will automatically be restored.

If it is a requirement that no device is lost in the event of a single short-circuit fault every non-isolated detector should be fitted to an isolating base.

In applications where it is not necessary to use an isolating base for each detector, up to twenty detectors or equivalent surge current may be installed between isolating bases.

1.2 Mechanical Construction

The isolating base is a self-extinguishing polycarbonate moulding with nickel-plated steel terminals for connecting a detector. The associated detector can be locked into the base using the normal locking screw.

1.3 Backward Compatibility

The isolating base is intended for use with equipment using the Apollo XP95 and Discovery communication protocol.

1.4 Key Features

- Up to 20 detectors or their equivalent load, may be installed between isolating bases
- High brightness LED
- Detects wiring short-circuits
- Minimises disruption from short circuits