Intellia Relay Base

EBI-20

Instruction Sheet

R10141GB0

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1 Intellia Relay Base EBI-20

The EBI-20 Low Power Relay Base, which is a development of the standard base, incorporates a relay to control field equipment.

1.1 Features

The EBI-20 Low Power Relay Base gives a set of voltfree changeover relay contacts controlled by the remote output of an Intellia detector. By using a latching relay coupled to an efficient drive circuit, the unit operates like a conventional relay while having negligible current drain.

The base also retains the facility to drive a remote LED which mimics the detector remote output.

1.2 Electrical considerations

The relay is controlled by the detector and must therefore be fitted with an operational Intellia detector to function.

The detector itself is powered via the base from the normal loop voltage of 14-28Vdc.

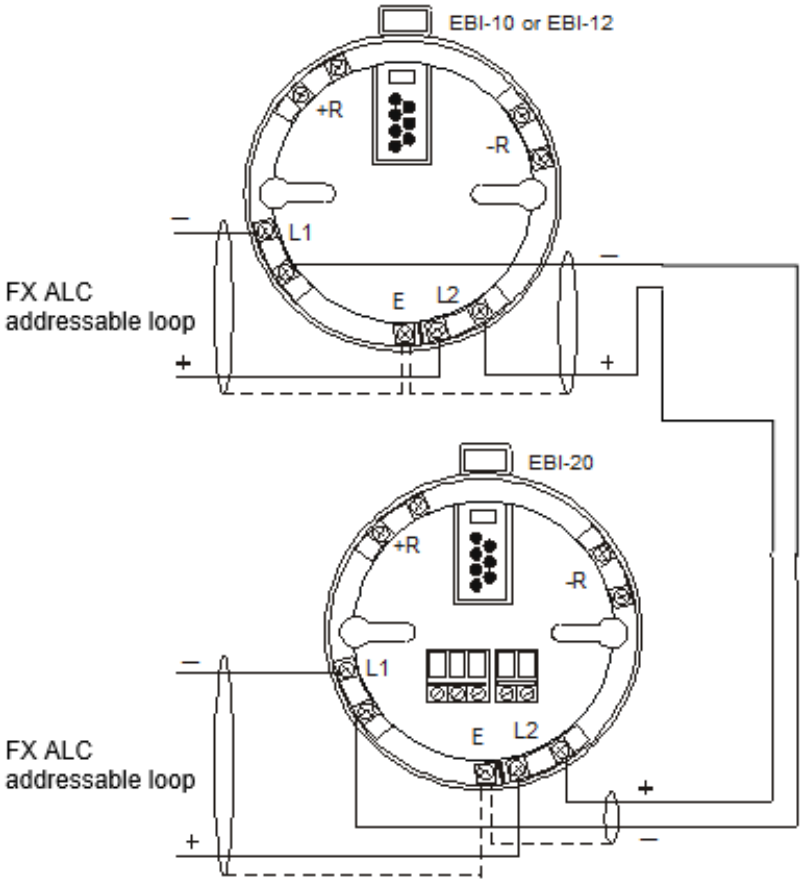
Note!	The relay will also de-energise if power to the detector is removed.

1.3 Mechanical construction

The case is a white polycarbonate moulding, V-0 rated to UL94 with stainless steel low insertion force wiper contacts to supply power and signals to the detector.

Important note!	Unlike a conventional relay base, this device MUST NOT be used as a common output device for multiple detectors.

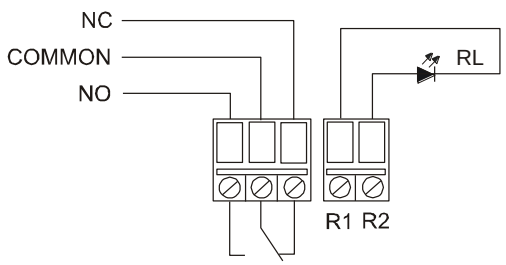
1.4 Schematic Diagram & Wiring Connections



Mounting Bases EBI-10 or EBI-12

L1 = Loop - L2 = Loop + E = Screen -R = Negative connection to remote LED +R = Positive connection to remote LED

Relay Base EBI-20

L1 = Loop - L2 = Loop + E = Screen RL = Remote LED **Note:** Remote indicator LEDs are connected between R1 and R2 on the terminal block. The base terminals marked –R and +R must not be used for connection of a remote LED or any other device	

1.5 Product Codes

Description	Product code
EBI-20 Relay base	FFS0672 0020
Compatible detectors	
EDI-10 Ionisation Detector	FFS0672 0210
EDI-20 Optical Detector	FFS0672 0220
EDI-30 Multisensor Detector	FFS0672 0230
EDI-50 Heat Detector	FFS0672 0250
EDI-60 CO-Detector	FFS0672 0260