

Installation Instructions



Specification

Loop Load	Min	Nom	Max
Quiescent Current		310µA	
Alarm Current		5.5mA	
Operating Voltage	18.5V DC		30 V DC

Inputs	Min	Nom	Max
Trigger Resistance		5.6kΩ	
End Of Line Resistor		22kΩ	
Short Circuit Fault Threshold Resistance			1kΩ
Open Circuit Fault Threshold Resistance	33kΩ		

Output Relays	Min	Nom	Max
Switching Voltage		24V DC	30V DC
Contact Rating			1A
Switching Power			30W

Environmental	Min	Nom	Max
Operating Temperature	-10°C		+60°C
Humidity (Non Condensing)			95%RH

Standards
EN54 : Pt17
EN54 : Pt18

Compatibility
Suitable for use with Eaton Analogue Addressable Fire Systems (800 series PR200-07-400)

Physical	
Dimensions	147 x 88 x 57 (mm)
Weight	0.25kg
Ingress Protection	IP40

Short circuit isolation

This addressable device contains an integral short circuit isolator, which operates between the – IN terminal and the – OUT terminal. The isolator operates in conjunction with the Eaton Addressable Control Panel when a low parallel resistance fault of typically 200Ω is present between the +VE and –VE of the loop wiring.

Short circuit isolation data (integral with each device)

Total Loop Resistance for correct operation of short circuit isolator	50Ω (max)
Parallel Fault Resistance to be seen at the Control Panel for isolators to open	200Ω (typ)
Continuous Current allowable through isolator	700mA (max)
Isolator Resistance in closed state	0.26Ω (max)
Leakage Current into direct short circuit with isolator open	14mA (max)
Voltage at which isolator changes from open to closed or closed to open state	3.8V to 11V
Maximum switching current to isolator	1.5A

Notes:

1. Only connect cable screen to its adjacent earth terminal.
2. The end of line resistor must always be fitted, even if the inputs are unused.
3. Monitored inputs can detect open or short circuit faults.
4. Output relays are volt-free contacts and are not monitored.

Installation

1. Separate the two halves of the unit.
2. Drill out (or knock out) the required cable entries in the surface mounting back-box.
3. Fit the back-box in position and pass the wires into it.
4. Connect the unit according to the diagram below.
5. Recommended Loop Cable Type: FIRETUF, FP200, MICC.

Notes: No addressing of the interface is required. See control panel operation for details.
All the relays reset on **Silence**, not on Reset.
There are no serviceable parts so no maintenance procedures apply.

