

Technical Data

Loop Load	Min	Nom	Max	Units
Quiescent Current		2.8		mA
With 20 Eaton Detectors, Unlimited Call Points		3.4		mA
Alarm Condition, with 20 Eaton Detectors, Unlimited Call Points		8.0		mA

Sounder Circuits	Min	Nom	Max	Units
External PSU Input Voltage	20	24	30	V
External PSU Current Rating	1			A
Sounder Load (Each Channel)			300	mA
End Of Line Resistance		12±5%		kΩ

Detector Zone	Min	Nom	Max	Units
Number of Detectors per Zone	0		20	
End Of Line Monitor		ACTIVE END OF LINE DEVICE		
Fire Input Trigger Resistance		680		Ω
Short Circuit Fault Threshold Resistance			100	Ω
Open Circuit Fault Threshold Resistance	39			kΩ

External PSU Monitor Input	Min	Nom	Max	Units
End Of Line Resistance		12±5%		kΩ
Fault Input Trigger Resistance		100		Ω

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

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

Short-circuit isolator for fire detection and fire alarm systems for buildings
Input/output device for fire detection and fire alarm systems for buildings

Essential Characteristics

Harmonized Technical Specification: EN54-17:2005 & EN54-18:2005

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.

Note: No addressing of the interface is required. See control panel operation for details.

Notes:

1. Maximum number of call points allowed is unlimited.
2. Detector zone end of line device is EOLM-1 (supplied).
3. This unit can only be used with Eaton EFXN520 detector base and compatible detectors.
4. Only connect cable screen to its adjacent earth terminal.
5. The end of line resistor must always be fitted, even if the spur is unused.
6. Maximum spur length – See BS5839 for Zone Coverage.

Standard Connections

