

Installation Instructions for: Shop Unit Monitor MSU840 / FXN516

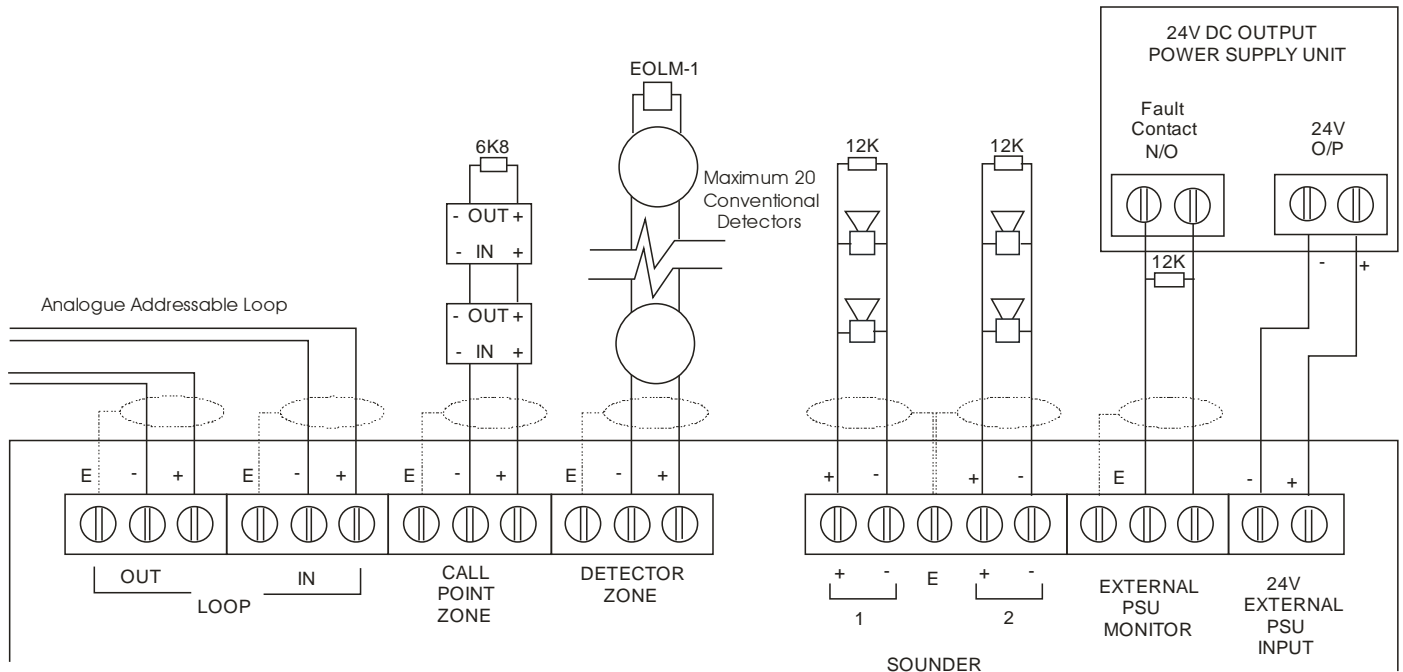
Installation

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.

Notes:

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

Standard Connections



Notes:

1. This unit can only be used with Cooper FXN520 detector base and compatible detectors.
2. Only connect cable screen to its adjacent earth terminal.
3. The end of line resistor must always be fitted, even if the spur is unused.
4. Maximum spur length – See BS5839 Pt1:2001 for Zone Coverage.
5. Maximum number of call points allowed is unlimited.
6. Detector zone end of line device is EOLM-1

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COOPER Lighting and Security

PR203-73-500-03
.PINSTMSU840



Specifications

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

Sounder Circuits				
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

Call Point Zone				
Number of Call Points per Zone	0		Note 1	
End Of Line Resistance		6.8		kΩ
Fire Input Trigger Resistance		680		Ω
Short Circuit Fault Threshold Resistance			100	Ω
Open Circuit Fault Threshold Resistance	39			kΩ

Detector Zone				
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				
End Of Line Resistance		12±5%		kΩ
Fault Input Trigger Resistance			100	Ω

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

Standards
EN54 : Pt2 & 4
BS5839 : Pt1 (Installation)

Compatibility
Suitable for use with Cooper Analogue Addressable Fire Systems

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

Notes:

1. Maximum number of call points allowed is unlimited.
2. Detector zone end of line device is EOLM-1 (supplied).