Single Channel Output Unit
MCOM, MMOM, MJOM, MCOM-S, MMOM-S,
MJOM-S, MCOM-R, MMOM-R, MJOM-R

Effective November 2019

Installation Instructions

CE 18
0905
DoP0247
EN54-17:2005+AC:2007
EN54-18:2005+AC:2007

Specification

	MCOM	MCOM-R	MCOM-S
Loop load - Quiescent Current (nom)	310 µA	310 µA	310 µA
Operating Voltage	18.5 - 30 VDC	18.5 - 30 VDC	18.5 - 30 VDC
Output relay			
Switching voltage	24VDC	24VDC	24VDC
Contact rating	1A	1A	1A
Switching power	30W	30W	30W
Environmental			
Operating Temperature	-10 to +60 °C	-10 to +60 °C	-10 to +60 °C
Humidity (Non Condensing)	95 %RH	95 %RH	95 %RH
Physical			
Dimensions (mm)	63 x 35 x 18.5	63 x 35 x 18.5	63 x 35 x 18.5
Wiring cable (max)	1.5mm	1.5mm	1.5mm
Weight	> 0.1g	> 0.1g	> 0.1g
Ingress Protection	IP40	IP40	IP40
Standards			
EN54 : PT17			
EN54 : PT18			
Compatibility			
Eaton analogue addressable fire systems (800 series protocol PR-200-07-400)			

MCOM	Addresses as a standard I/O unit (limited to maximum I/O addresses supported on the panel)
MCOM-S	Addresses as a sounder, resets on reset. (limited to maximum sounder addresses supported on the panel)
MCOM-R	Addresses as a standard I/O unit and performs a 5 second reset pulse (limited to maximum I/O addresses supported on the panel)

If the unit needs to be installed in an environment that requires a higher IP rating then the unit must be installed in an appropriately rated enclosure, such as the Eaton IP65 rated ULBU enclosure.

Short circuit isolator

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.

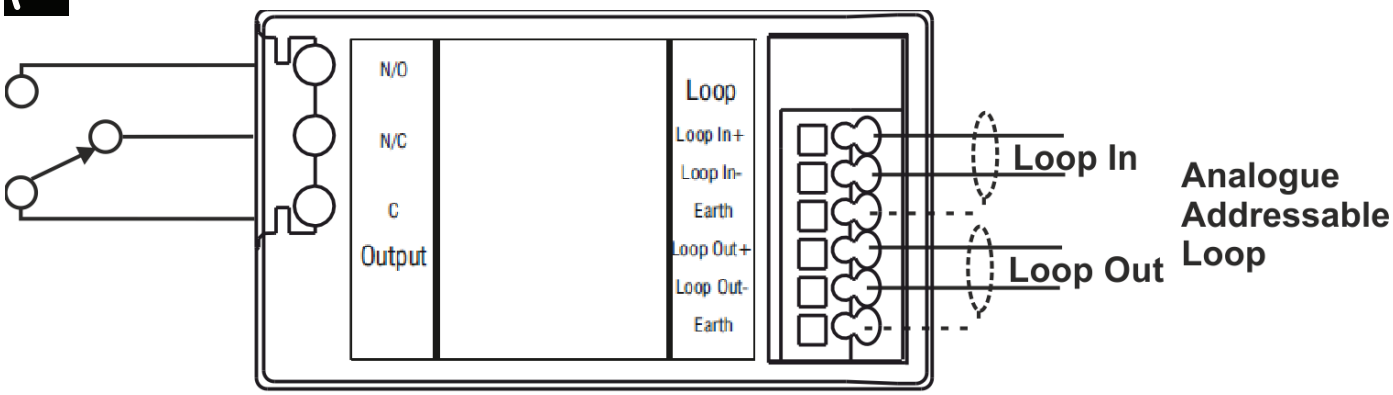
Short circuit isolation data (integral with each device)	
Total loop resistance for correct operation of short circuit isolator	50Ω (max)
Parallel fault resistance to be seen at the control panel for isolators to open	200Ω (typ)
Continuous current allowable through isolator	700mA (max)
Isolator resistance 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

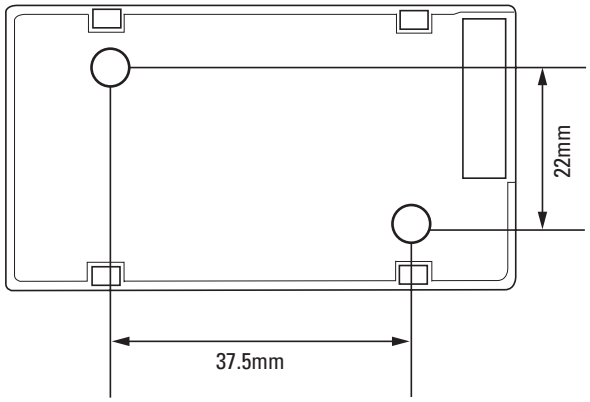
Installation

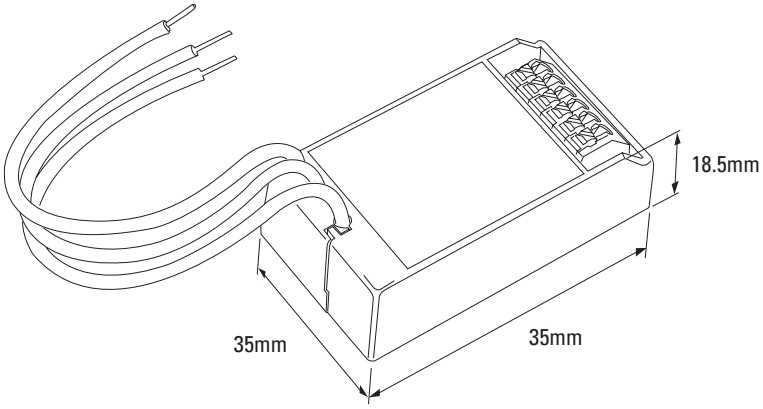
1. Fit the box in position using the mounting details below
2. Connect the unit according to the diagram below
3. Recommended Loop Cable Type: FIRETUF, FP200, MICC

Notes:

1. No addressing of the interface is required. See control panel operation for details.
2. There are no serviceable parts so no maintenance procedures apply.
3. When manually adding the MCOM, MCOM-R using the Site Installer PC software, the device type that must be selected is “I/O Unit”
4. When manually adding the MCOM-S using the Site Installer PC software, the device type that must be selected is “Sounder”.







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