

## MCIM - Single input micro module

### Description

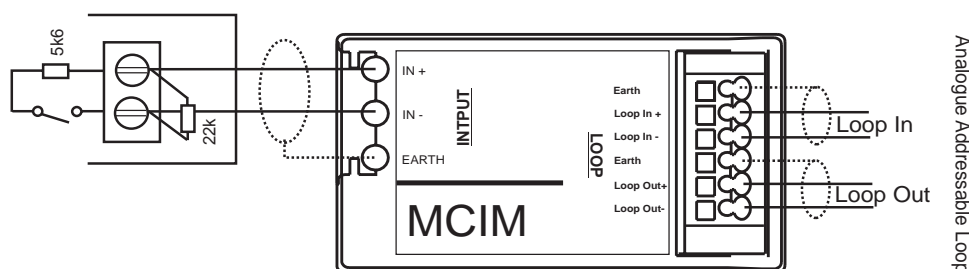
The MCIM is a single input, soft addressed micro interface, incorporating integral short circuit isolators. It is fully compatible with the current range of Cooper analogue fire detection panels and OEM derivative panels.

It is suitable for monitoring a set of normally open, volt free contacts such as sprinkler system flow switches, auxiliary panel fire/fault signals as well as non fire input signals such as flow valve open contacts, generator start up, fire door closed etc.

### Notes

1. No addressing of module required (soft addressed)
2. Inputs monitored for open and short circuit fault conditions
3. Suitable for monitoring normally open volt free contacts (flow switches etc)
4. Connections suitable for single strand fireproof cable up to 2.5mm<sup>2</sup>
5. Loop and output cable screen must be connected to interface earth terminals
6. The end of line, monitor resistor, must always be fitted at the end of the input wiring, if the input is unused the end of line resistor must be fitted at the interface input terminals.
7. A maximum of 70 interface units per loop may be fitted (subject to confirmation by loop loading calculation spreadsheet).

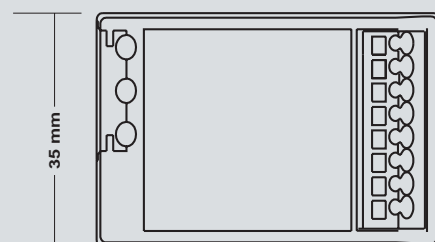
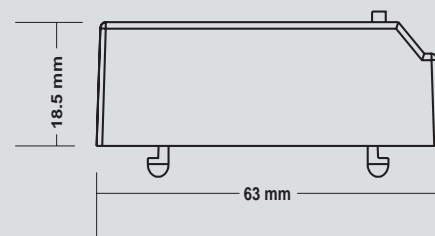
### Wiring diagram



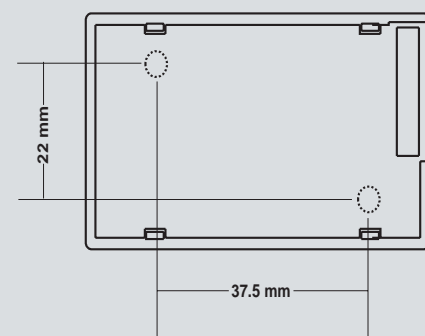
### Specification

Loop Load	Min	Nom	Max	Units
Quiescent current		310		µA
Operating voltage	18		30	VDC
Inputs				
Trigger resistance		5K6		Ohm
End of line resistor		22K		Ohm
Short circuit fault threshold resistance			1K	Ohm
Open circuit fault threshold resistance	33K			Ohm
Environmental				
Operating temperature	-10		+60	°C
Humidity (non condensing)			95	% RH
Standards	EN54:Pt2 & 4 & BS5839:Pt 1 (installation)			
Physical				
Material	PC/ABS			
Weight	78g			
Ingress protection	IP40			
Compatibility	Suitable for use with Cooper analogue addressable fire systems			

### Dimensions



### Mounting Details (Drilling positions)



Drill hole diameter: 4mm