

3 Channel input/output Interface Unit - CIO351



Key Features

- Single address
- 3 Fully programmable inputs
- 3 Fully programmable outputs
- Integral short circuit isolators
- Soft addressed
- LED on activation
- IP65 enclosure
- Loop powered

Description

With most analogue system designs requiring sophisticated, building management system switching controls, under fire conditions, the CIO351, 3 channel input/output unit was designed to be installed in areas requiring multiple switching.

The unit can be wired in any convenient position on the loop and is intended to control the various elements of building services that are required to be either powered up or shut down under fire conditions.

The unit provides a cost effective installation solution when compared to running long lengths of wiring from the control panel.

The unit is an addressable, loop mounted interface providing 3 sets of single pole, volt free, change over contacts suitable for switching system control voltages.

Each set of contacts is fully programmable to be activated by its own input, a single input device, a group of input devices or any zone

area on the system.

This makes it ideally suited for the control of heating and ventilation equipment, lift control, door release circuits, building gas supply shutdown, emergency lighting activation, in fact any building plant that requires a low voltage switched input.

The CIO351 is housed in an IP65 surface mounted enclosure, the unit electronics, printed circuit board and activation LED are mounted within the enclosure back box allowing sufficient room for system wiring.

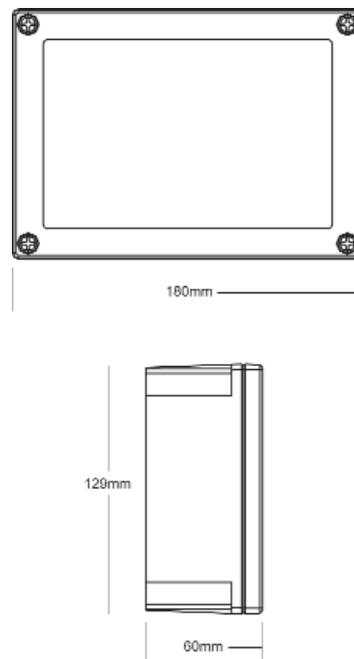
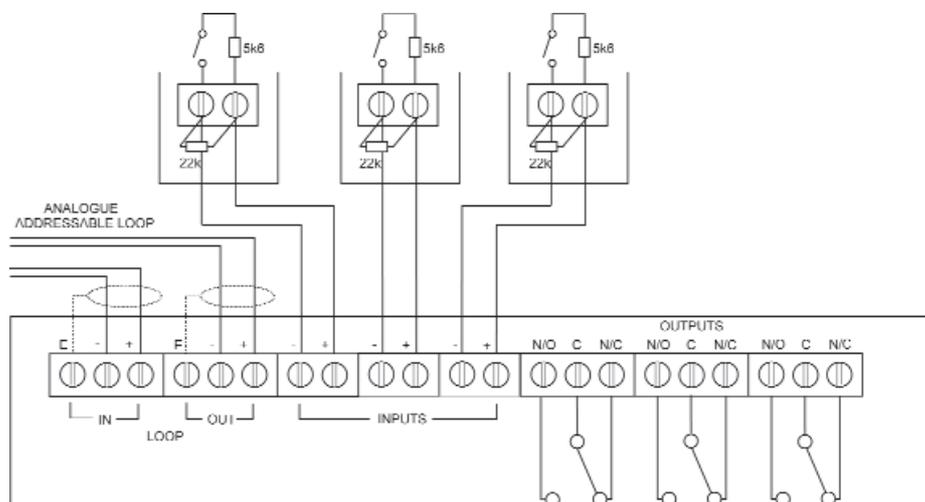
The CIO351 when installed as part of a Cooper Fire Systems analogue addressable system forms part of up to 200 addressable devices which can be connected to each loop.

All loop devices are addressed via the control panel on system initialisation and have built in short circuit isolators thereby ensuring maximum system integrity is maintained should a loop short circuit fault condition occur.



Technical Data

Interface wiring schematic and dimensions



Specifications

Model number	CIO 351	Compatibility	CF range of analogue panels
Number of input circuits	3	Addressing mode	Auto address
Number of output circuits	3	Operating voltage	18 to 30V dc
End of line resistance (input cct.)	22K	Max standby	310µA
Fire input trigger resistance	5K6	Ingress protection	Internal/external IP65
Short circuit fault threshold resistance	1K	Operating temperature	-10°C to 60°C
Open circuit fault threshold resistance	33K	Humidity	0 to 95% non condensing
Output relays	3 nos. C.O. contacts	EMC	CE marked
Maximum relay contact rating	1A@30V resistive 0,5A inductive	Standard	BS5839 :pt1 (installation)
Switching voltage AC	50V ac	Material	PC/ABS
Switching voltage DC	30V dc	Dimensions	180(w) x 129(h) x 60(d) mm
Switching power	30W	Colour	Grey
		Weight	0,5 kg

Order codes

CSI350	Spur Isolator
CIO351	3 Channel input/output interface
CZMU352	Zone Monitoring Unit
CMIO353	Mains rated input/output interface
CSC354	4 output sounder controller
CSUM356	Shop unit Interface