CIOP4 & CIOP8
Eaton's Cooper Mimic Relay Boards

These addressable mimic relay boards, CIOP4 and CIOP8, are 4 and 8 way soft addressing output modules, incorporating integral short circuit isolators.

Both the CIOP4 and the CIOP8 mimic relay boards are fully compatible with the current range of Cooper intelligent addressable control panels. The units are suitable for switching low voltage (24V dc at 1A maximum), via a set of non latching relay contacts.

The flexibility of these modules is further enhanced by the fact that each output can be programmed for a range of triggers such as disablement, fault, fire, test panel, test zone pre-alarm, fire routing equipment, fire protecting equipment and reset with up to 16 different trigger sources per output.

The trigger source can be global, by panel, by loop, by zone or by address. The logic is available in both OR & AND functions.

These units have an additional 4 inputs which can initiate a reset, silence, evacuate and test function.

They can be programmed using the CF3000 programmable site installer software and downloaded using the RS232 port.

Features

- Loop powered
- Units can be soft or hard addressed
- Integral short circuit isolator
- Single address
- 4 input, 4 output version
- 4 input, 8 output version
- PCB version incorporates 4 inputs:
  - Reset
  - Silence
  - Evacuate
  - Test
- 16 settings per output
- Trigger types: fire, fault, disablement, test, pre-alarm, FRE, FPE, reset
- Trigger source: global, by panel, by loop, by zone, by address
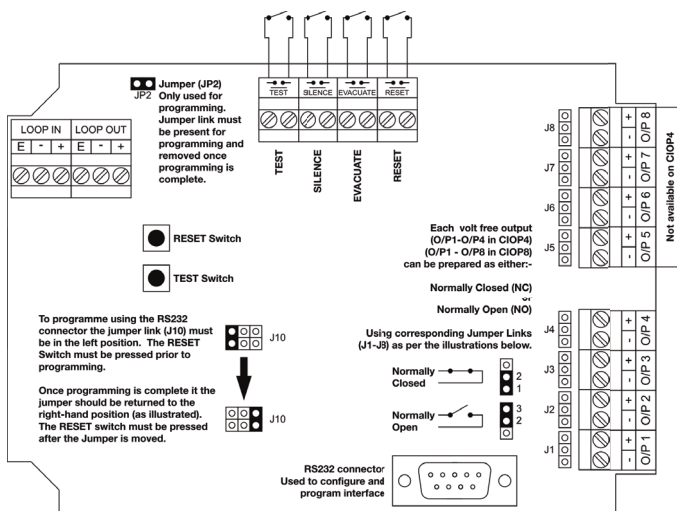- Logic functions (OR and AND)

Benefits

- Quick and simple to install
- Pluggable terminals for ease of wiring
- Programmable via site installer software
- Cost effective installation solution

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Technical Specification

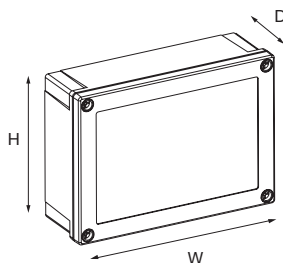| Code	CIOP4	CIOP8
Description	4 Way Mimic Relay Board	8 Way Mimic Relay Board
Specification		
Operating Loop Voltage	18.5V dc to 30V dc	18.5V dc to 30V dc
Current	1A (max)	1A (max)
Quiescent Current	6mA (nom)	6mA (nom)
Environmental		
Humidity (Non Condensing)	0 to 95% RH	0 to 95% RH
Physical		
Construction	Boxed - ABS	Boxed - ABS
Dimensions (H x W x D)	Boxed - 180mm x 254mm x 90mm	Boxed - 180mm x 254mm x 90mm
Weight	1.0kg	1.0kg
Ingress Protection	Boxed - IP65	Boxed - IP65
Compatibility		
Suitable for use with	Cooper Intelligent Addressable Fire Systems	Cooper Intelligent Addressable Fire Systems
Recommended loop/cable	Fire Tuff, FP200, MICC	Fire Tuff, FP200, MICC

Standard Connections

Dimensions

H (mm)	W (mm)	D (mm)
180	254	90

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Configuration Instructions

1. At the mimic relay board:
- Change the jumper on J10 from LOOP to RS232 SETUP and place a jumper on J2.
- Press the RESET button on the mimic relay board and connect a serial cable.

2. In site installer:
- The configuration is not stored in the control panel and must be downloaded to the mimic hardware directly.
- "right-click" on the icon within site installer and select "upload rules to repeater".
- The download from site installer will commence and a confirmation message will be displayed if successful.

3. At the mimic relay board:
- Remove the serial cable to the graphical relay board.
- Change the jumper on J10 from RS232 SETUP back to LOOP and remove the jumper on J2.

Catalogue numbers

Description	Code
4 Way Mimic Relay Board, 4 inputs, 4 ouputs	CIOP4
8 Way Mimic Relay Board, 4 inputs, 8 outputs	CIOP8