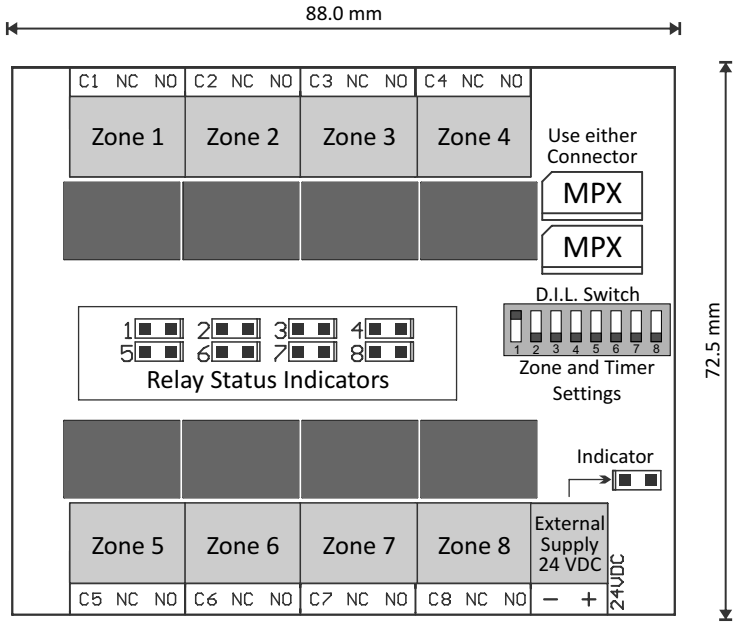
MECHANICAL SPECIFICATIONS



TECHNICAL SPECIFICATIONS

OPERATING VOLTAGE	28V DC nominal
CURRENT CONSUMPTION	
QUIESCENT	7 mA - No relays active
ZONES IN ALARM	7 mA + 15 mA per active relay
TIMER	15 settings from 0 to 10 minutes
MAX. HUMIDITY	95% RH Non-Condensing
DIMENSIONS	-10ºC to 50ºC
WEIGHT	4 zone - 60 g / 8 zone - 95 g
ORDER CODE	**DESCRIPTION**
GFE-MPX-REL-4	Orion Multiplexed 4 Zone Relay Board
GFE-MPX-REL-8	Orion Multiplexed 8 Zone Relay Board

GFE-MPX-REL

Orion Multiplexed Zone Relay Outputs

Interface card that provides an individual zone in alarm indication via a voltage free change-over relay contact for each in an Orion Conventional Panel. There are 2 versions: 4 and 8 zone and they are always used for indication of ALARM/ FIRE conditions.

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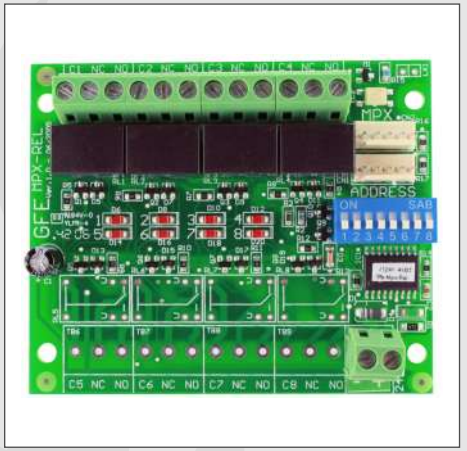
There is also a LED indication of ALARM condition for each individual zone. The LED RED indicator will be ON when the relay is active. These relay outputs are not monitored.

The d.i.l switch allows one relay output for a particular zone in the range 1 to 8 to be programmed as delayed and this is achieved using the first three switches (1 to 3) and the delay time will be provided in the range between 0-10 minutes using the next four switch positions (4-7) on the d.i.l. Switch.

The module requires an external 24 V DC supply. Connection to the Orion PCB board is via a 5 way flat cable fitted with Molex type polarised connectors.



FEATURES

- High Quality
- 4 and 8 Zones versions available
- Easy to Install
- Selectable Delayed activation on one zone
- Timer programmable from 0 to 10 m
- Compatible with all GFE's Conventional panels

GLOBAL FIRE EQUIPMENT S.A.
Sítio dos Barrabés, Armazém Nave Y, Caixa Postal 908-Z, 8150-016 São Brás de Alportel - PORTUGAL
Tel: +351 289 896 560 • **Sales:** sales@globalfire.pt • **Technical Support:** techs@globalfire.pt • **www.**globalfire.pt

Instruction Manual V1 - 04/2015

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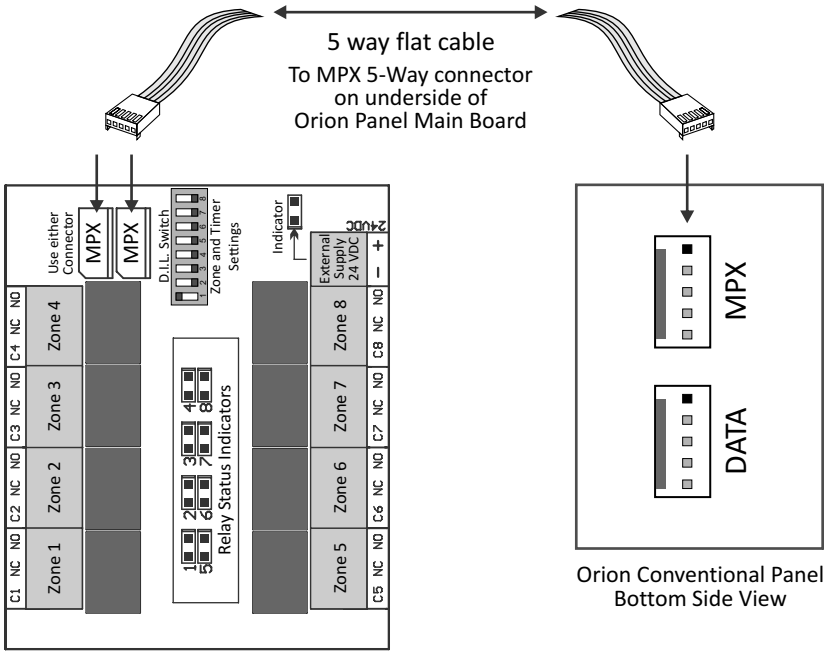
CONNECTIONS

Using the 5 way flat cable provided with the GFE-MPX-REL, connect this board to the Orion Conventional Panel between the MPX labelled connectors. The MPX connector is situated on the underside of the Orion Panel Main Board. On the GFE-MPX-REL both MPX 5-way Molex connectors can be used as they are connected in parallel on the PCB. Supply to the GFE-MPX-REL is normally derived from the Orion Panel Auxilliary Supply Output but an external regulated and stabilized 24V DC supply can also be used.

Note: Remove power to both Orion Panel and GFE-MPX-REL before proceeding with any connections. Re-apply power after connections are complete and verified.

Note: If Auxilliary Relay Outputs are disabled on the Orion Panel, the relays on the GFE-MPX-REL board will also be disabled.

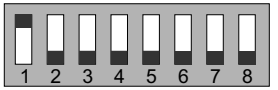


D.I.L. SWITCHES CONFIGURATION

Switches 1-3
Selects delayed zone

Switches 4-7
Set the delay time

ON (1) OFF (0)



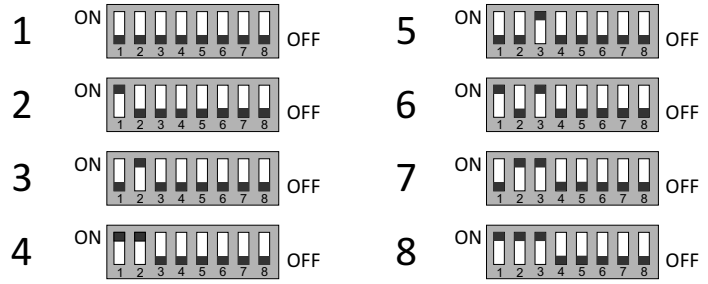
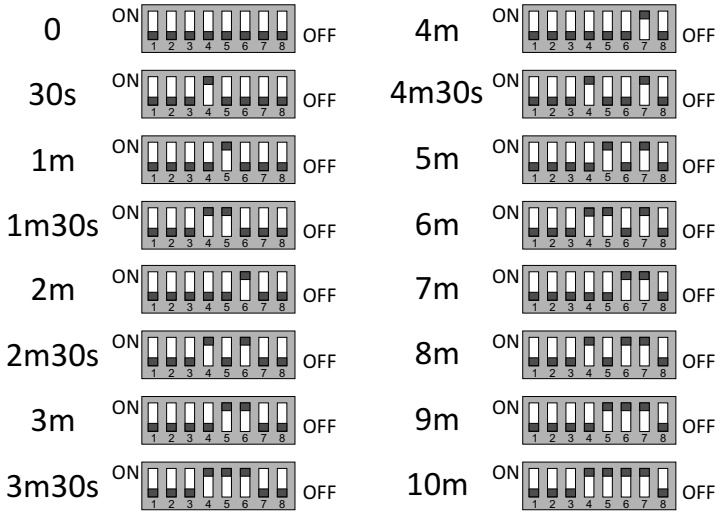
Switch 8
Not used

Zone	Time	
1 = 000	0 = 0000	4m = 0001
2 = 100	30s = 1000	4m30s = 1001
3 = 010	1m = 0100	5m = 0101
4 = 110	1m30s = 1100	6m = 1101
5 = 001	2m = 0010	7m = 0011
6 = 101	2m30s = 1010	8m = 1011
7 = 011	3m = 0110	9m = 0111
8 = 111	3m30s = 1110	10m = 1111

ADDRESS SETTINGS

Zones

Select Timed Zone



Timer Settings