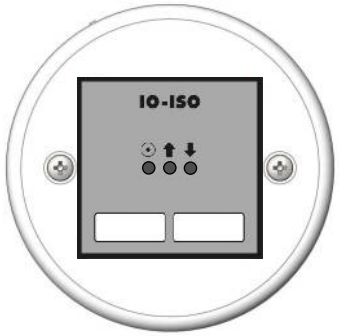
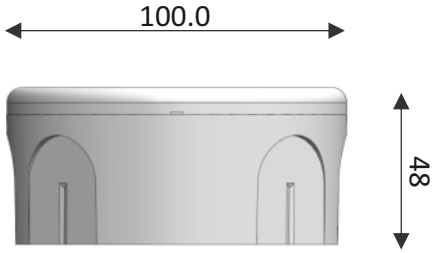
MECHANICAL SPECIFICATION

Enclosure Construction Material
White ABS
Flame Retardant rating 94V0

Weight
IO-ISO module - 25 g
IO-ISO boxed - 117 g
Including packaging - 152 g





All dimensions in mm

TECHNICAL SPECIFICATIONS

SUPPLY VOLTAGE	Loop Powered - 17V to 30V DC
LOOP CURRENT - INPUT status in mA	OK 0.6 - FLT OC 0.5 - FLT SC 1.0 - ALARM 2.2
LOOP CURRENT - OUTPUT ACTIVE	2.0 mA
MAX. CABLE SIZE	2.5 mm^2
MAX. HUMIDITY	95% RH Non-Condensing
OPERATING TEMPERATURE	-10ºC to 50ºC
DIMENSIONS	100.3 (D) x 48 (H) mm
WEIGHT	152 g inc. packaging
ORDER CODE	**DESCRIPTION**
IO-ISO	Input/ Output Module

GLOBAL FIRE EQUIPMENT S.A.
Sítio dos Barrabés, Armazém Nave Y, Caixa Postal 908-Z, 8150-016 São Brás de Alportel - PORTUGAL
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IO-ISO
Input/ Output Module

The Addressable Input/Output Module is a fully monitored device which permits the interfacing of third party equipment with the Fire Alarm Control panel using normally open dry contact connections while also providing a changeover output relay to control ancillary equipment.

The connection to the input is monitored for fault (open or short circuit) and Alarm conditions. **The output relay is always powered directly from the detection loop. Relay operation is confirmed by an onboard yellow LED.**

The interface is used to monitor the contacts of an external system which must be interfaced to the Fire Alarm System, for example a Flow Switch in a sprinkler system to indicate if the sprinklers have been activated or extinguishant level monitoring in Gas Extinguishing Systems etc.

The output relay can be programmed to close fire doors, activate smoke removal systems etc. **The relay receives its operating power always from the Loop. It is not required to use an external 24V DC power supply as in previous versions.**

An 8 way D.I.L. switch is provided to configure the module's address. This value can be set in the range 1 to 125.

The following programmable functions are available: Input Activation Mode, Delayed Input Alarm Activation, Output Delayed Activation. For further details please refer to IO Programming Guide which is available for download from our web site *www.globalfire.pt*

FEATURES

- Fast Activation Response
- Output Relay powered directly from loop
- Input/ Output activation delays are programmable
- Three Status LEDs
- Low Power Consumption
- Plastic Enclosure

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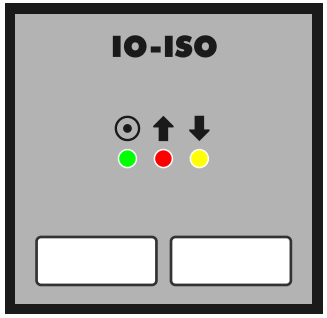
CE Made in Portugal-EU

REPORTING DETAILS



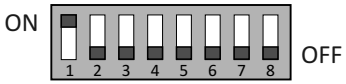
In order to indicate the status of the module's working condition, three LEDs are provided:

STATUS: This LED will flash GREEN, every time the address associated with the module is polled by the addressable panel.

FIRE: This RED LED will be illuminated continuously whenever there is a FIRE condition present at the input terminals. The analogue value reported by the module in this state is 64. If there is a open or short circuit condition the analogue value reported to the addressable panel is 4.

OUTPUT: The Yellow LED provided will be lit when onboard relay is activated.

D.I.L. SWITCHES CONFIGURATION

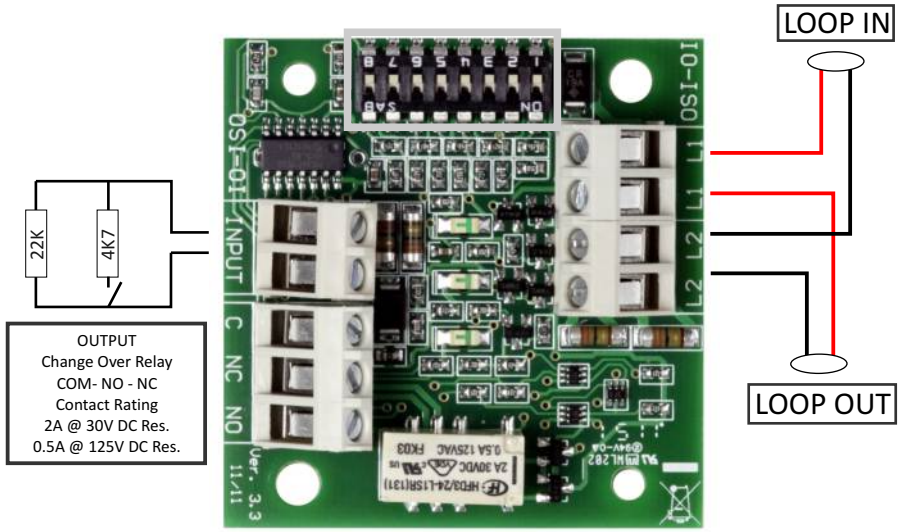


Switches 1-7
used to configure the module's address
Switch 8
Programming Mode

Address Switches binary weights

1 on = 1	4 on = 8	7 on = 64
2 on = 2	5 on = 16	
3 on = 4	6 on = 32	

CONNECTIONS



Input Resistance values

END OF LINE MONITORING RESISTOR 22K

ALARM RESISTOR (4K7) IN SERIES
WITH NORMALLY OPEN CONTACT

Fault		
Short circuit	-	< 2K2
Open Circuit	-	> 47K
Normal	-	8K2 to 47K
Fire	-	2K2 to 8K2

ADDRESS SETTINGS