

MECHANICAL SPECIFICATION

Enclosure Construction Material

White ABS

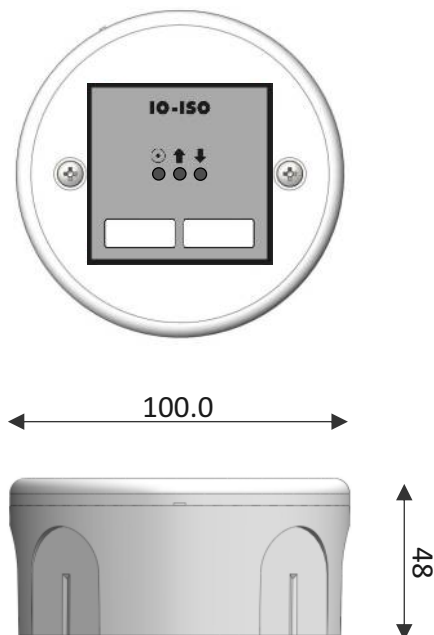
Flame Retardant rating 94V0

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	-10°C to 50°C
DIMENSIONS	100.3 (D) x 48 (H) mm
WEIGHT	152 g inc. packaging
ORDER CODE	DESCRIPTION
IO-ISO	Input/ Output Module

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.

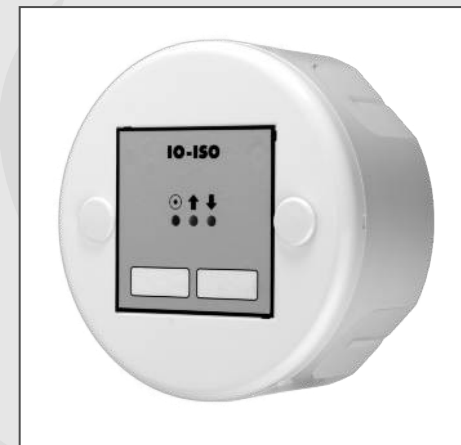
The connection to the input is monitored for fault (open or short circuit) and Alarm conditions. **The output relay is always powered directly from the detection loop. Relay operation is confirmed by an onboard yellow LED.**

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

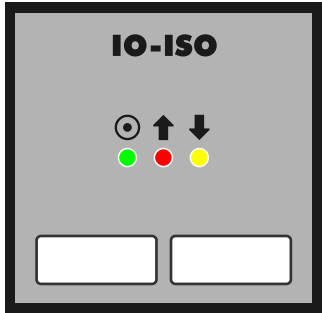
Low Power Consumption

Plastic Enclosure

GLOBAL FIRE EQUIPMENT S.A.

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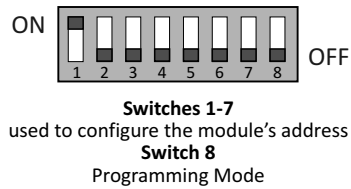
REPORTING DETAILS



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.

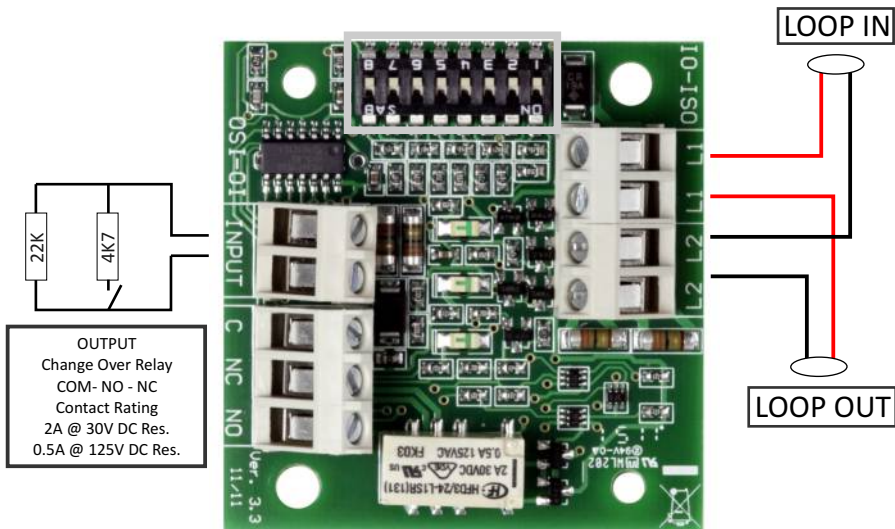
D.I.L. SWITCHES CONFIGURATION



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

01	02	03	04	05	06	07	08
09	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32
33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56
57	58	59	60	61	62	63	64
65	66	67	68	69	70	71	72
73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88
89	90	91	92	93	94	95	96
97	98	99	100	101	102	103	104
105	106	107	108	109	110	111	112
113	114	115	116	117	118	119	120
121	122	123	124	125			