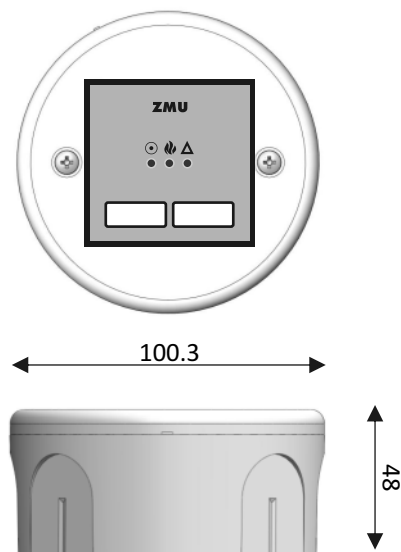


MECHANICAL SPECIFICATION

Enclosure Construction Material

White ABS
Flame Retardant rating 94V0



All dimensions in mm

TECHNICAL SPECIFICATIONS

SUPPLY VOLTAGE	Loop Powered - 20 V to 30 V DC
LOOP CURRENT - LOOP POWERED	1.8 mA (Quiescent) - 3.2 mA (Zone OC) 25 mA (FIRE) - 38 mA (Zone Short-Circuit)
LOOP CURRENT - EXTERNAL SUPPLY	0.5 mA
CURRENT - EXTERNAL SUPPLY	4.5 mA (Quiescent) - 4.5 mA (Zone OC) @ 28 V DC nominal 29 mA (FIRE) - 44 mA (Zone Short-Circuit) @ 28V DC nominal
MAX. CONVENTIONAL DEVICES/ ZONE	32
MAX. NO. OF MODULES/ LOOP	32
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	19 g Module - 109 g Boxed
ORDER CODE	DESCRIPTION
ZMU	Addressable Zone Monitoring Unit

ZMU

Addressable Zone Monitoring Unit

The ZMU is a fully monitored interface module, which is used to connect a number of current limited conventional detectors to the Global Fire Addressable control panel via the detection loop. These detectors are then seen as one address at the addressable control panel.

The module can be either powered from the Loop or an external power supply. The detector line can be monitored by a bipolar electrolytic capacitor. This will reduce considerably the quiescent current load on the loop. Alternatively a resistor can be used as an end of line device. Three LEDs are provided in order to monitor the operational status of the module.

FEATURES

Fast Activation Response

Three Status LEDs

Low Power Consumption

Plastic Enclosure



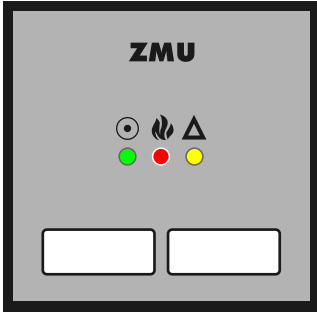
Made in Portugal-EU

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: Green LED. Pulses at every panel poll.

FIRE: Red LED. ON when zone is in alarm.

FAULT: Yellow LED. ON while there is an open or short-circuit condition in the zone. It will also be activated if e.o.l. capacitor is removed.

D.I.L. SWITCHES CONFIGURATION



Switches 1-7
used to configure the module's address.

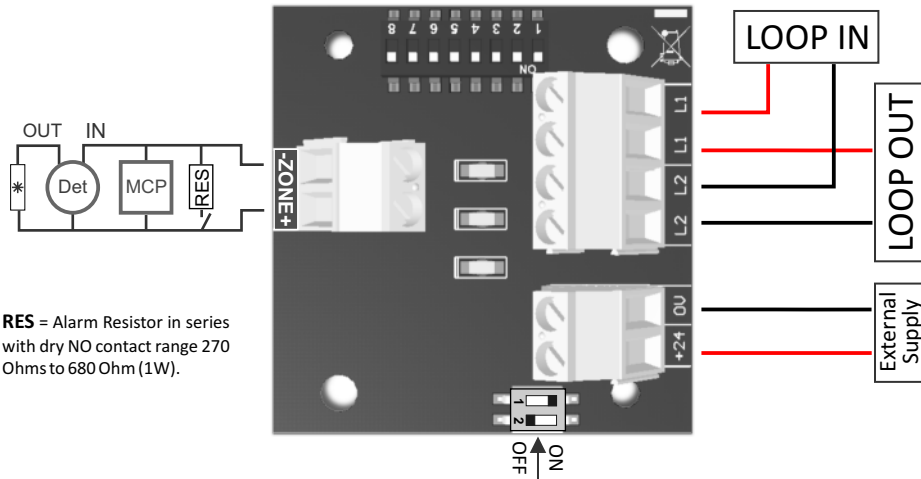
Switch 8

OFF : Active End of Line - ON Resistive End of Line

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



RES = Alarm Resistor in series with dry NO contact range 270 Ohms to 680 Ohm (1W).

External Supply Switch: If module is powered from external 24V DC both switches should be placed in the OFF position. When powered exclusively from the analogue loop both switches should be in the ON position.

Note: Maximum 32 conventional devices per zone.

* **Active End of Line Capacitor** 10uF/50V Bipolar Electrolytic Aluminium. **Resistive End of Line** 4K7 -1/4 W resistor

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			