

## TECHNICAL SPECIFICATIONS

SUPPLY VOLTAGE	Loop Powered - 17 V to 30 V DC
LOOP CURRENT - QUIESCENT ( $I_o$ )	3.2 mA
LOOP CURRENT - ALARM	$I_o + 0.9$ mA for each I/P in alarm
LOOP CURRENT - SHORT-CIRCUIT	$I_o + 0.9$ mA for each I/P in short-circuit
LOOP CURRENT - OPEN CIRCUIT	$I_o + 0.5$ mA for each I/P in open circuit
EXT. SUPPLY CURRENT @ 24 V DC	5 mA Quiescent - 21 mA Max.
END OF LINE RESISTOR (E.O.L.)	22 K Ohm
INPUT - SHORT CIRCUIT	Short Circuit < 2.2 K Ohms
INPUT - OPEN CIRCUIT	Open Circuit > 47 K Ohms
INPUT - OK - NO ALARM OR FAULT	8.2 K Ohms < OK < 47 K Ohms
INPUT - FIRE	2.2 K Ohms < FIRE < 8.2 K Ohms
OUTPUT RELAY CONTACT RATING	2 A 30 V DC / 0.5 A 125 V AC
MAX. CABLE SIZE	2.5 mm <sup>2</sup>
CASE MATERIAL	ABS
MAX. HUMIDITY	95% RH Non-Condensing
OPERATING TEMPERATURE	-10°C to 50°C
DIMENSIONS	150 (W) x 90 (L) x 32 (H) mm
WEIGHT	220 g inc. packaging
<b>ORDER CODE</b>	<b>DESCRIPTION</b>
CCPI	Conventional Control Panel Interface

# CCPI

## Conventional Control Panel Interface

The Conventional Control Panel Interface provides 8 individually addressed normally open inputs and three pre-defined outputs. The interface permits the connection of a Conventional Fire Alarm Control Panel with up to 8 Zones to the Global Fire Analogue Addressable Fire Control Panel via the detection loop.

The outputs are pre-defined as Silence, Reset and Evacuation and allow these functions on the conventional panel to be executed from the Addressable System. An external 24 V DC supply is required to power the onboard relays. This supply is optically isolated from the detection Loop. The silence, reset and evacuation relay operations are indicated by 3 Red LEDs.

Each CCPI occupies 8 addresses on the Loop even when not all inputs are used. Each INPUT should be fitted with an end-of-line resistor (22 K Ohm) and open short circuit fault conditions are also individually monitored.

Each input circuit is provided with a Red LED used to indicate either FAULT or FIRE condition. When the Red LED is constantly ON, the associated INPUT is in FIRE condition when flashing the INPUT has a fault condition.

A 4 way D.I.L. switch is provided to configure the module's address. This value can be set in the range 1 to 64 for the 4 INPUT module and from 1 to 125 for the CCPI module.



### FEATURES

Fast Activation Response

Loop Powered

Individual Status LEDs  
for each Input

Low Power Consumption

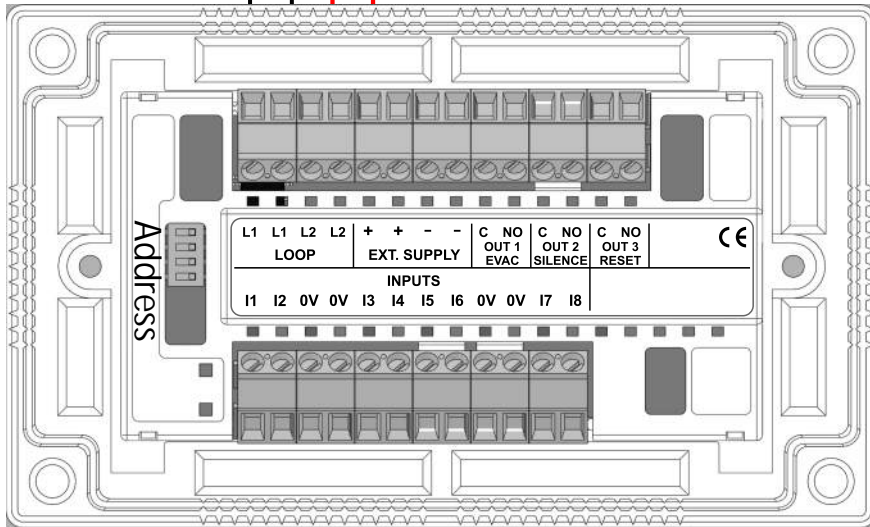
## GLOBAL FIRE EQUIPMENT S.A.

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

## CONNECTIONS

*Device is not polarized*

Loop IN      Loop OUT



### Input Resistance values

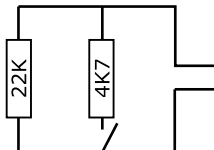
END OF LINE MONITORING RESISTOR 22K

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

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

### INPUT

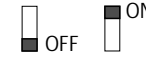
Monitored for Open and Short-Circuit - Can be driven by Conventional Panel's Zone Repeater Outputs. Each I/P should be fitted with 22 K Ohm end-of-line resistor. Fire Condition set with 4.7 K Ohms resistor in parallel with e.o.l. resistor.



## D.I.L. SWITCHES CONFIGURATION

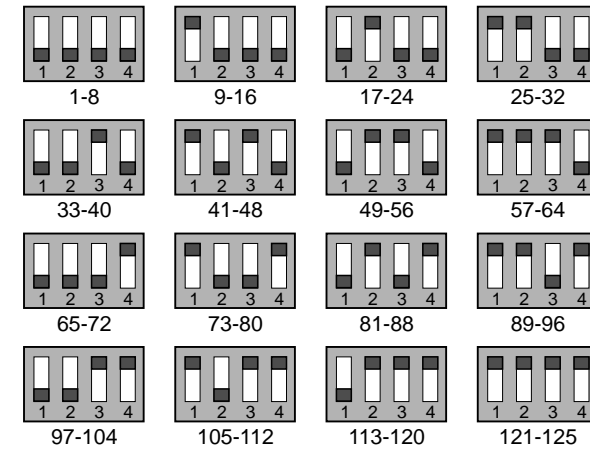


Switches 1-4  
used to configure the module's address



Address Switches binary weights  
1 on =1  
2 on =2  
3 on =4  
4 on =8

## ADDRESS SETTINGS



## REPORTING DETAILS - OUTPUTS

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

**Input Status:** An I/P status Red LED is provided for the input. 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.

**Fault:** This Red LED will be flashing whenever there is either an open or short circuit fault on that particular input. If there is an open or short circuit condition, the analogue value reported to the addressable panel is 4.

**OUTPUTS:** Three relay outputs are provided by the module in order to transmit from GFE's analogue addressable panel to the conventional panel silence, reset and evacuation commands. The relay contacts are voltage free.