



# Instruction Manual For Fire Panel Interface

Part Number 30114

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Rev 0	4 <sup>th</sup> May 2016	JMA	MAS	
Rev 3	5 <sup>th</sup> Sept 2016	JMA	MAS	Changed header and removed alarm references



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## 1.0 Description



The Fire Panel Interface (FPI) is a unit that monitors the operation of the site controller and displays any alarm on the mesh network.

The FPI has three buttons on the front panel Acknowledge, Up and Down.

### Display Settings

Display Conditions	
Flashing Red	An alarm has been received from a node(s) on the mesh network
Steady Red	The alarm has been acknowledged by the panel - the ACK button has been pressed
Steady Green	The alarm/fault has been rectified and the node has returned to its normal condition
Blue	The operator has reached the top or bottom of the list of alarms by pressing the Up and Down buttons

The display shows the node designation, date and time the alarm was initiated by the site controller, the digital input number which has alarmed.



In this example;

ZP501 – Node Designation

09:49 22/07/16 – Time /date stamp

DI 2 – Digital input No. 2

## 2.0 Installation of FPI

On the rear of the FPI front panel there are five orange connector blocks.

Front panel connectors	
24v d.c.	Power Supply
Buzzer	n/o - C - n/c contacts facility to connect external buzzer
Trouble	n/o - C - n/c contacts facility to connect FACP
Supervisory	n/o - C - n/c contacts facility to connect FACP

Under normal operating conditions the buzzer and Trouble relay are powered on. Therefore, the FACP will be connected to the Buzzer and Trouble to the common and normally closed connections of the individual relays.

If the power fails to the FPI the unit will signal Trouble to the FACP and the external buzzer will be activated if connected.

The Supervisory relay is only powered when there is an issue with the network. Therefore, the FACP will be connected to the common and normally open contacts of the Supervisory relay contacts.



To set the FPI mesh node up see set up node manual which gives details on how to set up the node designation.

### 3.0 Installation of Fire Panel Interface

The installation Fire Panel Interface is wall mounted and must comply with the AHJ and all local regulations. Glands can be installed in the FPI and all drilling of the unit must comply with the manufacturers drilling instructions. The power supply to the site controller must be a FM Approved Fire power supply or FM Approved Fire Alarm Control Panel.

### 5.0 Power Requirements

Input voltage	24v d.c.
Input current	250mA
Relay contacts	
Trouble	35v d.c. max 2.0 Amps
Supervisory	35v d.c. max 2.0 Amps
Buzzer	35v d.c. max 2.0 Amps