

IOB800 8in/8out Expansion Board

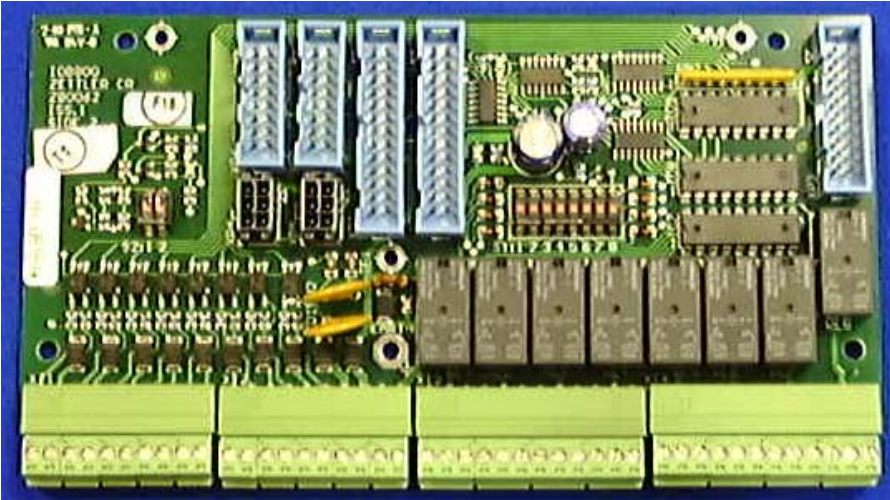


Fig. 1: IOB800 Standard 8in/8out Expansion Board

Introduction

The IOB800 is used to provide eight isolated relay outputs (first eight addresses) and monitor eight 24V optically isolated inputs (last eight addresses).

The IOB800 may be mounted on the rear chassis in FIRECLASS ANC range of ancillary enclosures, or in the FIRECLASS FC- 64 and FC-240 fire alarm controllers, using the optional Ancillary Mounting Plate. Only one IOB800 can be fitted in to the FIRECLASS 64 or 240 panels. The FIRECLASS 32-1 panel does not accommodate the IOB.

Up to five IO boards may be used giving a total of 80 I/O points, driven from an MPM800 using the XBus.

Table 1 shows the IOB800 switches

Switch	Details
SW1/1-8	Used with Emergency Alarm signal to energise the selected output relays (energised=ON).
SW2	See Tables 3 and 4

Table 1: Switches

Technical Specification

Item	Details
System Compatibility	Use only with FIRE-CLASS Fire Alarm Controllers
Environment	Indoor Application only
Operating Temperature	-10° to +70°C
Storage Temperature	-20° to +85°C
Operating Humidity	Up to 95% non-condensing
Dimensions (HWD)	15 x 164 x 80 mm
Relay contacts (outputs)	2 A @ 30 V dc
Inputs Standby	3 V dc max
Inputs Active min	4 V dc
Inputs Active max	30 V dc
Battery demand, quiescent	29 mA
Battery demand, alarm	208 mA Refer to the latest version of FIRECLASS Designer for Battery and Alarm Power Supply Calculation

Table 2: Technical Specifications

Item	Details
EMC	<ul style="list-style-type: none"> ■ Product family standard EN50130-4 in respect of Conducted Disturbances, Radiated Immunity, Electrostatic Discharge, Fast Transients and Slow High Energy ■ EN50081-1 for emissions

Table 2: Technical Specifications (cont.)

Wiring & Installation

Notes

- All wiring must comply with local installation regulations and local fire system design requirements.
- All conductors must be free of earths.
- Using standoffs, mount the IOB800 in its specified location.
- Connect the Ribbon Cables and other wiring.

Configuration	First Position	S2/1	S2/2	Last Position	S2/1	S2/2
1	IOB800	x	OFF	IOB800	OFF	ON

Table 3: XBus Configuration

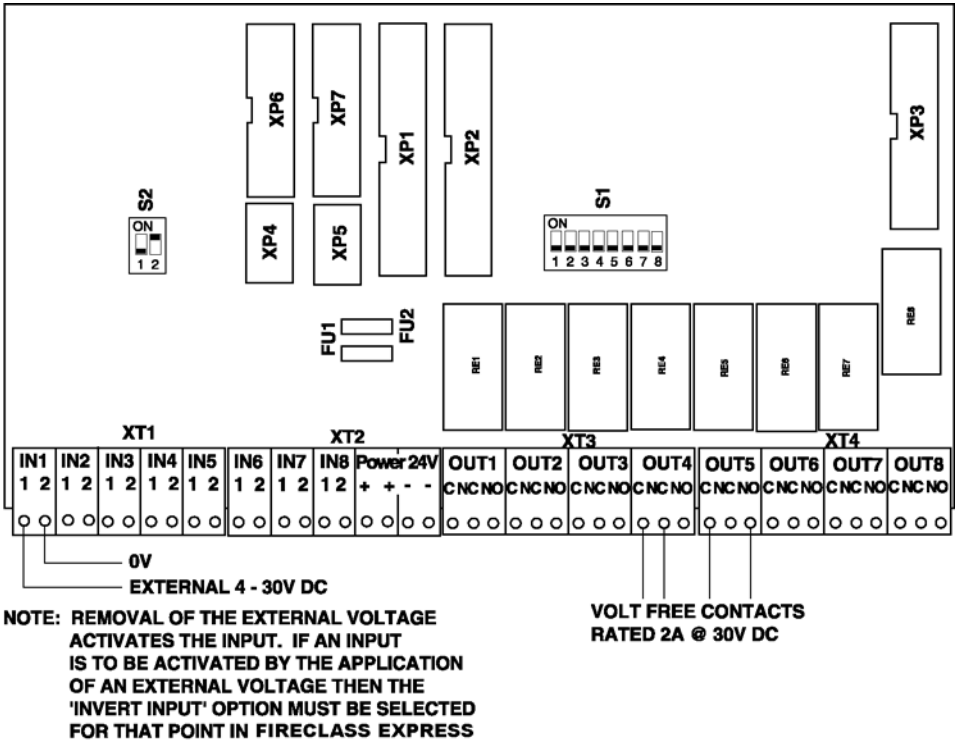


Fig. 2: IOB800 Configuration Details

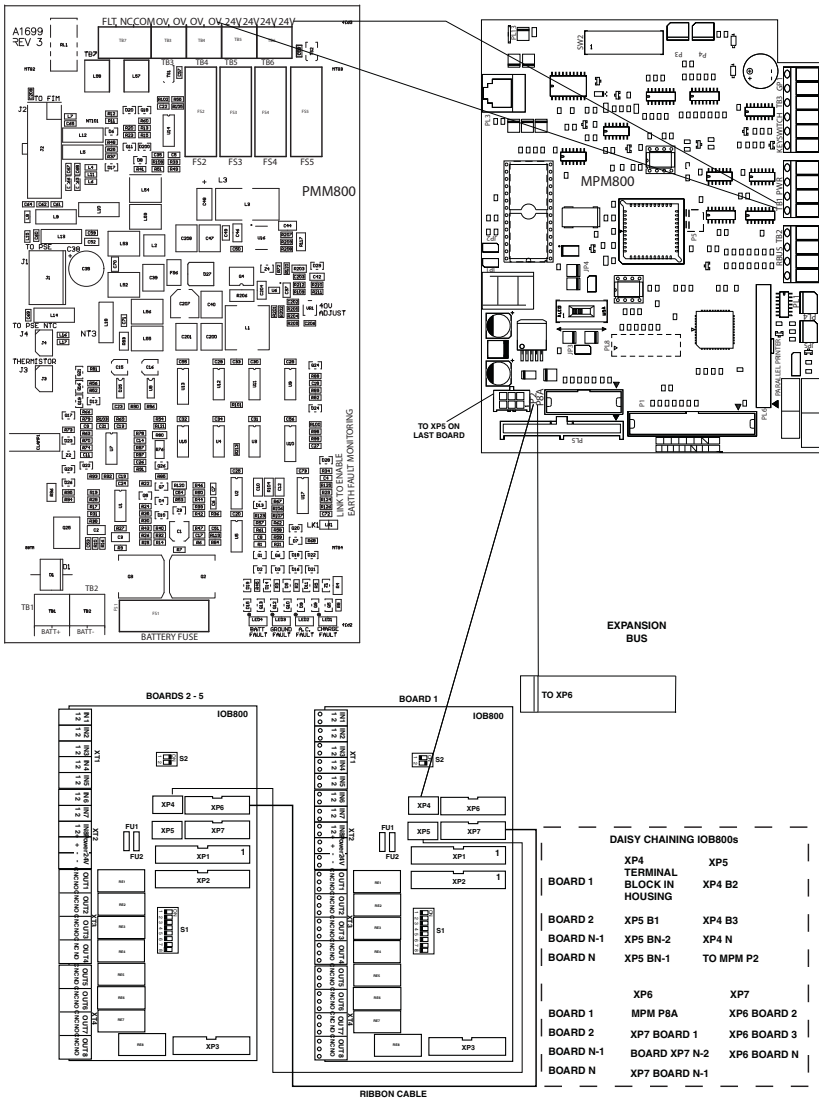


Fig. 3: IOB XBus Connections Details

Configuration	First Position	S2/1	S2/2	Last Position	S2/1	S2/2
1	IOB800	OFF	ON	-		
2	IOB800	OFF	ON	IOB800	ON	ON
3	ANY OTHER LOCAL I/O BOARD	OFF	ON	IOB800	OFF	ON

Table 4: FIM Configuration

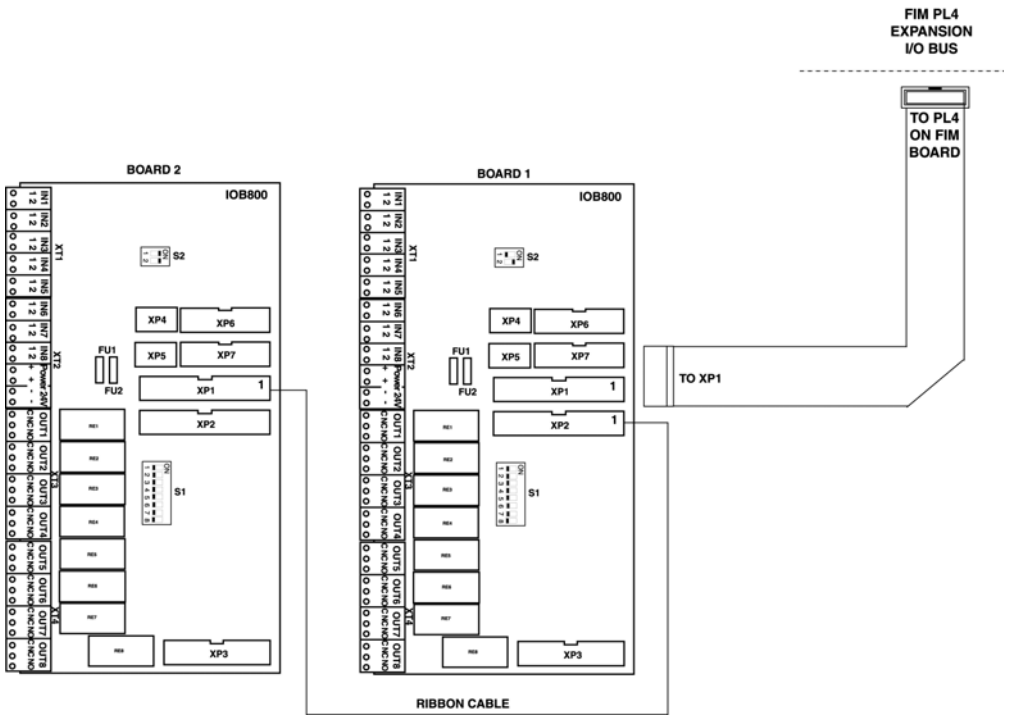


Fig. 4: IOB800 Configuration Details

Ordering Information

Standard 8in/8out Expansion Board:557.202.006

