

## PA0915 Fuse Board sold as 4100-KT0448 Fused Distribution Board

### MOUNTING INSTRUCTIONS

#### DESCRIPTION

This compact printed circuit board splits one supply into 4 separately fused pairs of outputs, each rated at 1A (fuses can be changed up to 3A, subject to the overall load limitation of the power supply).

Voltage transient protection is provided across the supply and to earth via 36V tranzorbs. Earthing of the board via its mounting holes is required for this suppression to be fully effective.

No fuse supervision is provided – this may be required for compliance with AS 4428/AS 7240 if the powered item is not supervised in some other way, e.g., power loss to the powered item results in a fault on the fire panel.

#### SPECIFICATIONS

Input: 0-30Vdc, 10A max, screw terminals 4mm<sup>2</sup>

Output: 4 separate outputs, each fused at 1A (20 x 5)  
Screw terminal 2.5mm<sup>2</sup> – two sets per output  
Fuses replaceable up to 3A each subject to power supply current limit

Suppression: 36V bi-directional tranzorbs across supply and to earth (via mounting holes).

Dimensions: 101mm x 38mm (4" x 1.5")

Mounting: 4 x 3.5mm dia (5/32"), 89mm x 25.5mm (3.5" x 1")

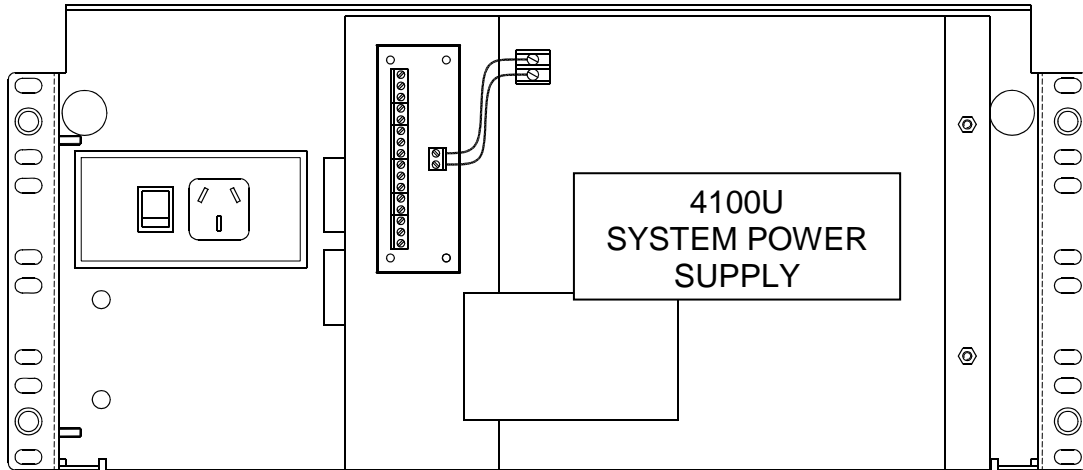
#### KIT CONTENTS

Part	Qty	Description	Use
HW0052	4	HARDWARE PCB STANDOFF PBA06L	MX1 mounting
LT0387	1	LIT, SXU 4 X 1A FUSE MTG INSTRUCTIONS	Instructions
PA0915	1	PCB ASSY SX 4100 FUSED POWER DIST. BOARD 002-109	
SC0182	4	SCREW MACHINE PH TORX N6-32 UNC X 5/16IN ZP	Mounting on SPS/PDI
WA0011	4	WASHER SHAKEPROOF M4 I.T LOCK ZP	Mounting on SPS/PDI
WR0004	80mm	WIRE AUTO 150 14/0.3 BLACK	0V connection
WR0010	100mm	WIRE AUTO 150 14/0.3 RED	+V connection

## INSTALLATION INSTRUCTIONS

### 4100

- Mount using 4 x 6-32 UNC screws and shakeproof washers included onto the 4100 Power Supply bracket or PDI backplane.
- Wire the Distribution Board 24V/0V terminals to the Power Supply Aux Power terminals.



### MX1

- Push fit the 4 plastic standoffs into the holes at the centre bottom of the gearplate, below the MX1 Controller Loop Connector J33.
- Wire the red and black wires between J33 on the MX1 Controller and the 24VIN TB1 terminals on the fuse board.