

## MultiAmp PSU 2A

PDS4510-2110



**MultiAmp PSU 2A Version**

### Description

The **MultiAmp PSU 2A** is a general purpose regulated power supply unit that has an output rating of 2A @ 27 VDC. The unit comprises:

1. a switch-mode power supply that is mounted on the back pan, and
2. a control and monitoring card mounted to the front panel

A set of two (2) 7Ahr batteries (maximum size based on Ampac battery specifications) may be housed in the unit.

The unit incorporates temperature sensing and compensation whereby a change in ambient temperature adjusts the battery charging voltage.

#### Features include:

- Fault relay output
- Fault indicator and resettable buzzer
- The power supply unit is designed to meet
- Earth monitoring
- Flush or surface mount enclosure
- Terminals that cater for 2.5mm<sup>2</sup> cables

There are two (2) versions of the power supply that cater for the New Zealand standards (NZS4512) and Australian/European standards (AS4428/AS7240 & EN54).

### Item Numbers

4510-2110	<b>MultiAmp PSU 2A</b> AS/EN version
4555-2110	<b>MultiAmp PSU 2A</b> NZ version

### Controls

DESCRIPTION	FUNCTION
Buzzer Silence	Silences the buzzer

### Indicators

DESCRIPTION	COLOUR
<b>External</b>	
Power	Green
Common Fault	Amber
<b>Internal</b>	
Charger Fault	Yellow
Low Battery Fault	Yellow
Battery Missing	Yellow
Earth Fault	Yellow
Mains Fault	Green

### Specification

<b>Mechanical</b>	
<b>Material</b>	High Impact ABS
<b>Dimension (mm)</b>	300H X 360W x 40D (Recessed) 300H X 360W x 100D (Surface)
<b>Weight</b>	2kg packed
<b>Environmental</b>	
<b>Operating Temperature</b>	0° to +40° C
<b>Relative Humidity</b>	25% to 75%
<b>Mains Input</b>	
<b>Input Voltage</b>	190 to 264 VAC
<b>Protection (quick acting fuse)</b>	1.25A M205
<b>Minimum Cable Requirement</b>	Note less than 0.75mm <sup>2</sup>
<b>Power Supply</b>	
<b>Voltage: (Set to 27.2VDC)</b>	27.2 VDC +/- 0.2 VDC
<b>Ripple Voltage</b>	100mV
<b>Regulation</b>	2%
<b>Fault Indication @ room temp</b>	<b>Low:</b> 24 VDC
<b>Output Current/Protection</b>	2A current limiting
<b>Battery / Battery Charger</b>	
<b>Output Voltage</b>	27.3 +/- 0.2 VDC
<b>Battery Type</b>	2 x 12 V Sealed Lead Acid
<b>Maximum Battery Capacity</b>	7Ahr
<b>Maximum Charger Current</b>	400mA
<b>Battery Discharged C/O Voltage</b>	21 VDC
<b>Output</b>	
<b>Fault Relay Output</b>	NO, C & NC