

## Linear Equipment Range of DIN Rail Power Supplies

A range of linear power supplies in a DIN rail mountable enclosure, the range features both input and output fuse protection and all DC outputs are current limited and reverse polarity protected. The LPS-2 range (product package 2) also features current fold-back protection. All output voltages are adjustable by  $\pm 10\%$ .

Stock Code	Man Pt No	Input VAC	Output VDC	Output ADC	Package
5417576	LPS12/1/F/PC	230	12	1	1
5417605	LPS5-12/1/F/PC	230	5 & 12	1	1
5417611	LPS050.2CD	115/230	5	0.2	1
5417627	LPS050.5CD	115/230	5	0.5	1
5417633	LPS120.1CD	115/230	12	0.1	1
5417649	LPS120.2CD	115/230	12	0.2	1
5417655	LPS12.04CD	115/230	12	0.4	1
5417661	LPS150.1CD	115/230	15	0.1	1
5417677	LPS150.3CD	115/230	15	0.3	1
5417683	LPS240.1CD	115/230	24	0.1	1
5417706	LPS240.2CD	115/230	24	0.2	1
5417712	LPS1201C	115	12	1	1
5417728	LPS1201D	230	12	1	1
5417734	LPS240.5C	115	24	0.5	1
5417740	LPS240.5D	230	24	0.5	1
5417582	LPS12/2/F/PC	230	12	2	2
5417598	LPS24/1/F/PC	230	24	1	2
5417762	LPS2401C	115	24	1	2
5417778	LPS2401D	230	24	1	2
5417784	LPS2402C	115	24	2	2
5417790	LPS2402D	230	24	2	2

### UNIT DIMENSIONS & WEIGHTS:

Package 1 - 85mm (W) x 125mm (H) x 75mm (D) + 20mm extra depth for DIN Clip, weight of 1.2Kg

Package 2 - 95mm (W) x 125mm (H) x 95mm (D) + 20mm extra depth for DIN Clip, weight of 1.6Kg

### ELECTRICAL CONNECTION

Follow the steps below to safely connect unit and adjust output voltage, always consult manufacturers manual for exact voltages required before calibrating power supplies, and observe correct polarity of both mains supply and DC output from unit.

#### Package 1:

AC Supply			DC Output		
LIVE	GND	NEUT	Bst	+Vdc	-Vdc

#### Package 2:

AC Supply			DC Output	
LIVE	NEUT	LIVE	+Vdc	-Vdc

Isolate AC Supply, check input voltage And ratings, CONNECTING 230VAC to a unit in the 110VAC may destroy the unit and cause personal harm/injury. Connect DC output, again check all ratings before connecting unit. Connect AC supply and switch on.

#### INPUT FUSE RATINGS:

PACKAGE 1 Style units – T1A anti-surge 20mm Fuse

PACKAGE 2 Style units – T2A anti-surge 20mm Fuse

#### OUTPUT FUSE RATINGS:

All units feature electronic self-resettable fuses that trip in event of fault and reset once fault has been cleared and units are reconnected.

### CALIBRATION:

Connect correct AC supply, connect Multimeter device to +V and -Vdc outputs. Carefully remove protective cover from unit, fastened by plastic snap-rivets. On package 1 units, the voltage adjustment potentiometer is located bottom of PCB near terminal block, on Package 2 units it is located left hand side of the PCB, labelled VR1, Adjust potentiometer to adjust output voltage.

**WARNING:** There are AC mains present on the PCB, care should be taken to avoid shock and personal injury or damage to power supply whilst calibrating.

### UNIT INDICATIONS

No LED indications are provided on Package 1 units, Package 2 units are fitted with on-board LED to show AC healthy and power supply is on.