

A410 - 5V, 12V and 15V Dual Output, Switchable Laboratory Power Supply



Description -

A high quality desk top linear PSU of rugged construction, with two independent low noise, low ripple DC outputs that can be switched between 5, 12, or 15v. The A410 is ideal for educational, laboratory and test applications. Outputs have fold back, over current and short circuit protection and are suitable for connection in parallel or series to increase current or provide both positive and negative voltages. The front panel mounted LEDs show separate power present and current overload indications for each output. Connections are made conveniently by 4mm insulated screw terminal posts. Power input is 230 VAC 50Hz via 3-core 1.5m mains lead. Prior to use fit mains plug fused with a 0.5 A(T) fuse.

Series Connection: Several combinations of positive and negative power rails, such as $\pm 5V$, $\pm 12V$ etc., may be obtained, at currents up to the rated limit, by connecting the positive terminal of one output to the negative terminal of the other output with the junction being at '0V'.

Parallel Connection: Current may be increased by connecting the two outputs in parallel (positive to positive and negative to negative).

TECHNICAL SPECIFICATION

Input Voltage	230V a.c.
Input Frequency	50/60Hz
Output Voltages	5V \pm 0.05V
	12V \pm 0.05V
	15V \pm 0.05V
Output Currents	2.5A max
	1.5A
	1A max
Operating Temperature	0 to 40°C
Load Regulation	<10mV
Ripple	50mV r.m.s. max
Dimensions	210 x 210 x 80 mm
Weight	3.2KG
Safety & EMC Standards	EN 61010, EN 61204

NOTES

- 1/ This product is designed to be mounted on a desk or bench top. Ventilation should not be obstructed
- 2/ Equipment must be earthed
- 4/ Input must be fused with a 0.5A (T) fuse conforming to: EN60127
- 5/ Output leads should be as short as possible and not exceed 3 meters

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