

Locktronics CU600E Power supply

General Description

The unit is designed for use with Locktronics equipment, although it can be used as a general electronics power supply. The CU600E is a current limited dual rail stabilised power supply with the added feature that it can be locked at 5V output. All outputs are current limited to 1A to protect Locktronics transistors.

Using the CU600E

The unit should be plugged into the mains supply and switched on using the front panel rocker switch. Depending on the setting of the rear panel keyswitch, either one green led or two red leds will show.

Green LED – The green LED shows that the unit is in 5V-locked mode. 5V is available between the red and blue terminals. All other outputs and adjustments are disabled.

Red LEDs – The two red LEDs glowing show that the unit is in adjustable output mode. The adjustment knobs change the corresponding output between 2.75V and 15V (approx.). The two outputs share the blue terminal as common. This means that the unit may be used to power an operational amplifier, but the positive and negative rails may be set differently to investigate clipping etc.

On the rear panel is a keyswitch, which selects either dual rail or single 5V modes. The keys provided will operate any of the units, meaning that the teacher only needs to carry one key in their pocket. Below the keyswitch is a green 4mm socket, which is connected to mains earth. This is useful as a grounding point for aerials when working on radio circuits.

Specification

Input Voltage	230V ac 50Hz
Input Current	< 1 amp
Rear Panel Fuse	2A quick blow 20mm
Mains Plug Fuse	3A
Insulation	Class 1

Electrosound, 30, Goulds Farm, Rayne, Essex CM77 6DF

Email electrosound@btconnect.com

Web www.electrosound.co.uk

Telephone/Fax 01376 340506