

# 5, 6, 9, 12, 15V Dual Rail Switched Power Supply

## General Description

The unit is designed to supply symmetrical dual rail voltages at up to 1A per rail. It may also be used as a single rail supply offering 5, 6, 9, 10, 12, 18, 24 or 30V at 1A. The output is delivered through 4mm terminal posts coloured red for +V, blue for 0V and black for -V. The output is monitored via a coloured led system which glows green when output is normal and red when an output is short circuited. Should a short circuit occur between the + and - terminals, then the left hand led will glow red. The unit is designed to withstand short term short circuit and overload conditions, but prolonged excessive current drain should be avoided.

## Mains Supply

The unit is designed for 240V operation only and is supplied with a fixed mains lead and moulded plug. Should the mains rocker switch and leds not illuminate when the unit is switched on, then the mains plug fuse should be checked - replace with a fuse rated 3A or 5A.

## Electrical Safety Testing

The unit is classified as Class 1 (earthed) for the purposes of electrical safety testing. Suitable earth test points are the two bolts at the rear of the case base. For further details on safety testing, please refer to Health and Safety Executive leaflet GS23 (ISBN 0 11 883567 X).

## Specification

### Input

Supply voltage	230V a.c.
Supply frequency	50Hz
Maximum power	50W
Internal fuse rating	250mA quick blow
Mains plug fuse rating	3A

### Output

Voltage	5, 6, 9, 12, 15V smoothed and regulated d.c.
Maximum output current	+/- 1A per rail

## Electromagnetic Compatibility

The use of this apparatus outside the classroom, laboratory, study area or similar such place invalidates the conformity with the protection requirements of the Electromagnetic Compatibility Directive (89/336/EEC) and could lead to prosecution.