

Irwin Powerswitch – Code EPU0113



Operation

Plug the unit into a mains socket and switch on using the rocker switch. Mains power is indicated by the led below the mains switch. If this fails to illuminate, check the fuse in the holder on the back panel. Replacement fuse is 2A, 20mm quick blow. The mains plug fuse (3A) should also be checked.

The unit supplies 2-12V a.c. and d.c. at up to 5A. The outputs are unregulated which means that the output voltage will be somewhat dependent on the amount of current being drawn. In circumstances where you need to know the precise output voltage, a voltmeter should be used. The d.c. voltages will be approximately 1V below the a.c. voltages due to the voltage drop across the internal bridge rectifier. The load should be removed when altering the voltage selector switch. Under short circuit or overload conditions the power supply is protected by a push button cutout. The cut-out will self-reset within 2-5 seconds.

Electrical Safety Testing

The unit is of Class 1 construction. Suitable earth bond test points are any of the bolt heads on the underside of the unit. 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 dc Supply frequency 50Hz

Mains fuse

Rear panel 2A, 20mm quick blow

Mains plug 3A

Output 2, 4, 6, 8, 10, 12V ac nominal

Voltage 1, 3, 5, 7, 9, 11V fwr dc nominal

Maximum output current 5A ac or dc

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.