

Budget Power Supply Range

4.5V 1A DC Regulated Power Supply
5V 1A DC Regulated Power Supply
6V 1A DC Regulated Power Supply
9V 1A DC Regulated Power Supply



The unit is double insulated and does not require an earth connection.

General Information

The power supplies are a range of 1 amp units offering a fixed DC voltage which is smoothed and regulated. The units are short circuit and overload protected. This makes the units ideal for not only general electricity teaching (lamps and switches etc.) but also for electronics. The 5V unit is recommended for TTL work and the 9V unit is recommended for general transistor and I.C. work. Should a dual rail supply be required, the units may be connected together by linking the + terminal of one to the - terminal of the other. This link forms the 0V rail whilst the + rail is available from one unit and the - rail from the other.

The output is monitored by a red led on the front. Should this fail to light, then check that:

1. The mains supply is switched on.
2. The mains plug fuse is OK. Replacement is a 3A fuse. **Do not fit a 13A fuse.**
3. The unit is not short circuited - if it is, remove the fault and the unit will reset.

N.B. Prolonged short circuit conditions should be avoided.

Safety Testing

The units are classified as Class 2, double insulated. When performing safety checks in compliance with Health & Safety Executive leaflet GS23 (ISBN 0 11 883567 X) or other procedures, an earth bond test is not required.

Specification

Input

Supply voltage	230V a.c.
Supply frequency	50Hz
Maximum power	12W
Mains plug fuse rating	3A

Output

Voltage	4.5V smoothed and regulated d.c. 5V smoothed and regulated d.c. 6V smoothed and regulated d.c. 9V smoothed and regulated d.c.
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Maximum output current	1A
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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.