

# 5 Year Warranty

- Irwin Science Education hereby warrants, to the end user ("Purchaser") who purchased the genuine Irwin Science Education product ("Product"), from an authorised Irwin Science Education reseller, ("Reseller"), that the Product will be free from defects in materials and workmanship ("Defects"), for a period of five years from the date the Product was purchased from Irwin Science Education direct or via authorised reseller. Subject to the terms and conditions indicated below.
- Irwin Science Education will repair or replace such Product or part thereof which, upon inspection by Irwin Science Education, is found to be defective, despite the Product not having been subjected to Improper Activity (defined below). Improper activity shall render this warranty void. "Improper Activity" includes any and all of the following:  
Installation by anyone other than a Reseller;  
Improper installation:  
Use/operation/maintenance other than in accordance with Irwin Science Education's instructions and requirements within an educational/training establishment(as directed below);  
Tampering by Purchaser; neglect; damage by the application of force; bending; breaks; cracks; scratches; any other act of vandalism;  
Repair or alteration by anyone other than a Reseller; Use of additional components or other components that are not suitable and genuine Irwin Science Education components;  
Use in a non-educational teaching environment.
- All the foregoing as determined by Irwin Science Education, in its sole judgment.
  - Instructions and recommendations for correct use of Irwin products are within the original product instructions or available for download from [www.irwinscienceeducation.com](http://www.irwinscienceeducation.com).
  - Irwin Science Education's sole obligation under this limited warranty is to repair or replace, at Irwin Science Education's sole discretion any Product and/or Product component found by Irwin Science Education to have Defects. This limited warranty does not grant any other rights or give rise to any other obligation, or absolve Purchaser of the responsibility to employ any other suitable measures, by whatever means, including insurance, against the risk of personal injury or damage to property.

This limited warranty relates to product's defects only. Irwin Science Education shall be liable, in any event, for any labour costs associated with the product and its installation process. In order to facilitate the warranty service and enable Irwin Science Education to determine entitlement under this warranty, Purchaser must first have completed the online product registration registration form within 1 month of the original product purchase date, with proof of purchase from a Reseller via the printed product registration card supplied or online at [www.irwinscienceeducation.com](http://www.irwinscienceeducation.com). All shipping, handling or other incidental and/or related charges are fully payable by the purchaser only and are not included in this limited warranty. Items excluded / limited from this warranty, Screws, Nuts, Bolts, Normal wear and tear, Cleaning with cleaning detergents, Improper handling and misuse.

Irwin Science Education Limited, 27 Kestrel Park, Springwood Industrial Estate, Braintree, Essex CM7 2SF  
Registered in England & Wales. Company no. 08748657

# Powerbase S8 Instructions





The Irwin Powerbase S8 is a heavy-duty power supply offering 0-12V ac and 0-12V dc outputs in approx 1V steps. Both outputs are selected by a rotary switch and may be used simultaneously up to a combined output current of 8A.

The front panel there is a on/off switch, five output sockets for ac, dc and earth and a reset button. The reset button operates if there is a short circuit or overload on any of the outputs. Should the reset button pop out, switch off the supply, rectify the fault, switch on again and press the button in. Please note that the button takes about 5 seconds to reset and will not work if pushed within this time.

**Please Note:** The off load voltages are higher than marked on the dial. For accurate output voltages a suitable voltmeter or multimeter should be employed. Turn the dial to zero, connect your load and then dial up the required voltage.

The unit also utilises a voltage limit lock, which sets the maximum voltage obtainable. To set the lock, proceed as follows:

- Slacken the limit lock with the Allen key supplied
- Set the maximum voltage required on the dial
- Rotate the plastic disc anti-clockwise until the stud sits against the knob pointer
- Tighten the limit lock

#### PAT testing

The power supply is classified as Class 1. A suitable earth bond test point is the voltage lock Allen key bolt.

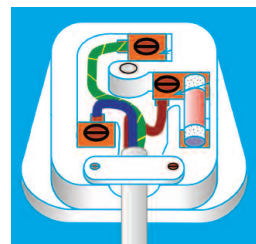
#### IMPORTANT - ELECTRICAL SAFETY NOTICE

Connection to mains electricity supply. This apparatus is designed to safety class 1. Before connecting to the mains electricity supply, examine the information on the apparatus rating label. Ensure that the mains supply is single phase alternating current (a.c) of frequency 50Hz at 230V, with neutral nominally at earth potential.

#### WARNING - THIS APPARATUS MUST BE EARTHED

Your Irwin product should come with a plug with the recommended fuse rating. However if not fitted connect the wires to a non-reversible UK 3 pin plug as follows:

- |   |                                 |
|---|---------------------------------|
| Green/Yellow wire to the terminal marked: | E (Earth) coloured Green/Yellow |
| Blue wire to terminal marked:             | N (Neutral) or coloured Blue    |
| Brown wire to terminal marked:            | L (Live) or coloured Brown      |



**LIVE PARTS SHOULD NEVER BE EXPOSED UNLESS THE APPARATUS HAVE BEEN SWITCHED OFF AND ISOLATED FROM THE MAINS ELECTRICITY.**

#### 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 Conformity Directive (89/336/EEC) and could lead to prosecution.

#### CORRESPONDENCE:

in the event of any correspondence concerning this apparatus, please contact your supplying agent quoting their catalogue number and serial number show on the apparatus. This will help us process your enquiry quickly. Any spare parts which may be required are supplied on the understanding that the replacement of those requiring the exposure of live electrical connections will be undertaken by an electrically qualified person.