Serrata ST907A Power Supply
Cat. No. 1035411M

Instructions for Cat. No: 1035411M - Power Supply With Overload Indicator - ISO 9001 Certified

Overview:

This Power Supply is a robust and compact unit. It is suitable for most General Laboratory experiments and is a reliable stepped voltage source to power most apparatus and equipment used in school laboratories. Standard colour coded 4 mm socket terminals, spin free design, are provided for both AC and DC on the front panel to allow use of readily available 4 mm plug leads or stripped wire connections.

Specifications:

Size	175 L x 140 D x 110 H mm
Weight:	2.3 kg
Main:	220/240V AC 50/60 Hz. 1.5 m standard removable Cable
Outputs:	DC (red and black terminals) AC (yellow terminals) Switch selected 2,4,6,8,10,12V AC (nominal) at max. 5.5A continuous with Overload protection. Switch selected 2,4,6,8,10,12V DC (nominal) bridge rectified at max. 5A continuous with Overload protection.
MAX Output for both AC and DC	Together 5.5A!
On/Off switch	On front panel, illuminated when turned on.
Primary overload protection	External fuse at back of unit
Secondary overload protection	Internal sensing circuit "beep" alarm and red LED below the ON/Off switch when a short circuit or overload is detected.
Overheat Protection	Auto Start fan cooling system, which kicks-on when the internal temperature of the unit exceeds 55°C and stops when the temperature falls to 30°C.

Overload Protection:

The unit is microprocessor equipped and therefore can detect any overload that exceeds 5.5A between surge and short-cut and will cut-off the output immediately giving a sound and light (LED display) alarm, remaining in this stage until the problem is rectified. 5.5 A cut-off conforms to safety specifications set out covering the use of electrical equipment in school laboratories thereby protecting the power supply and any externally connected apparatus.

When a short circuit is detected by the overload circuit the audible alarm will CONTINUOUSLY beep alerting the operator or teacher that the circuit is in overload/short circuit condition.
This is a normal function of the power supply and the beep will stop when the overload is removed and the ON/OFF reset procedure is done as described below.

To Reset the unit: Remove the overload or short circuit and turn the On/Off switch OFF and then ON!