

AUTOMATIC VOLTAGE SWITCHER

AVS30 & AVS100

The AVS30 is rated at 30 Amps and AVS100 at 100Amps. The AVS will disconnect if the mains go outside preset limits (the window) and will re-connect automatically after about 3 minutes of the supply returning and remaining within the window.

PLEASE READ CAREFULLY.

- 1) Make sure that your load does not exceed the rating of the AVS. (30Amps for the AVS30 and 100 Amps for the AVS100)
- 2) The limits of the AVS are set for a window of 190-260 volts. If a different window is required, please refer to your dealer.
- 3) The AVS has to be wired to the mains supply and to the equipment it is supplying. Please refer to the wiring diagram on the opposite page.
- 4) On first switching on, there will be no output for the wait time of approximately three minutes while the AVS monitors the mains. If a different wait time is required, please refer to your dealer. For that period the yellow LED indicates that the mains are within acceptable limits, after which the green LED goes on and the load is connected. The red LED indicates that the mains supply is outside the window, and the load is disconnected.
- 5) It is recommended that the AVS is kept switched on, and the appliance switched on and off to prevent activating the time delay every time the appliance is switched on.

Connection:

CAUTION: IF THE AVS IS ALREADY WIRED, MAKE SURE IT IS DISCONNECTED FROM THE MAINS BEFORE YOU DO ANY OF THE FOLLOWING:

- 1) Remove the bottom cover to obtain access to connection terminals. To remove bottom cover remove the two white caps and then undo the two screws.
- 2) On the AVS30 remove the two cable glands and then re-insert so that the cable gland is external.
- 3) Insert cable from the mains supply through the cable glands of the AVS30 or the grommets of the AVS100 and connect to the Connector terminals. (Refer to wiring diagram on opposite page)

	AVS30 INPUT		AVS100 INPUT
L (Live)	to Lin	L (Live)	to LIVE IN
N (Neutral)	to Nin	N (Neutral)	to NEUTRAL
E (Earth)	to Ein if used		

- 4) Insert cable to appliance through the Cordgrip Bush and connect to the Connector terminals

	AVS30 OUTPUT		AVS100 OUTPUT
L (Live)	to Lout	L (Live)	to LIVE OUT
N (Neutral)	to Nout	N (Neutral)	to NEUTRAL
E (Earth)	to Eout if used		

- 5) Tighten the Cordgrip Bushes and return the front cover and two screws and screw caps.

PLEASE ENSURE NOT TO TIGHTEN CONNECTION TERMINALS EXCESSIVELY:

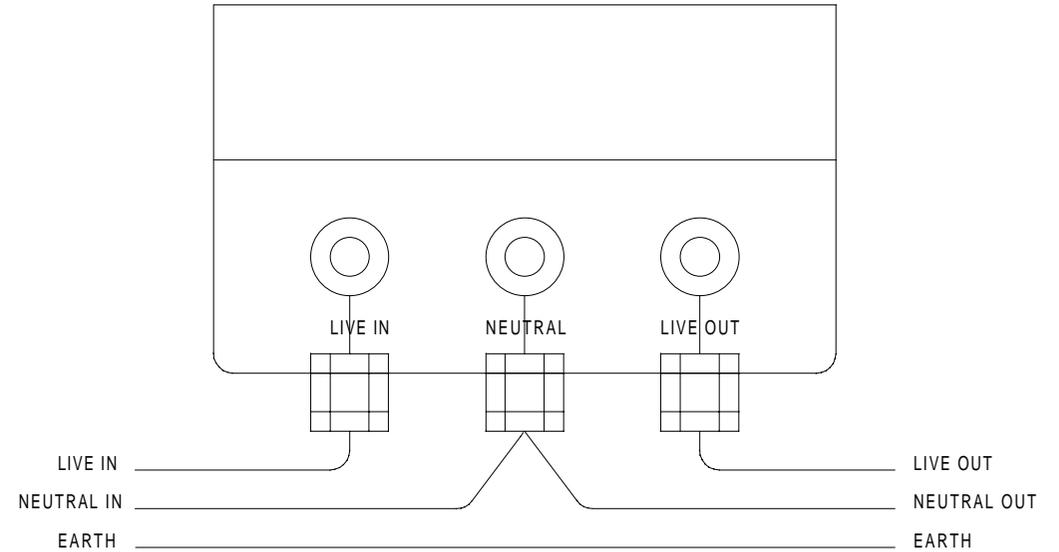
NOTE: The fuse in the terminal compartment is not for the load. It is a spike protection fuse. Replace if it gets damaged.

NOTE : The AVS must be mounted securely on a wall. Place it over one screw at the top and then use the two mounting holes in the terminal compartment

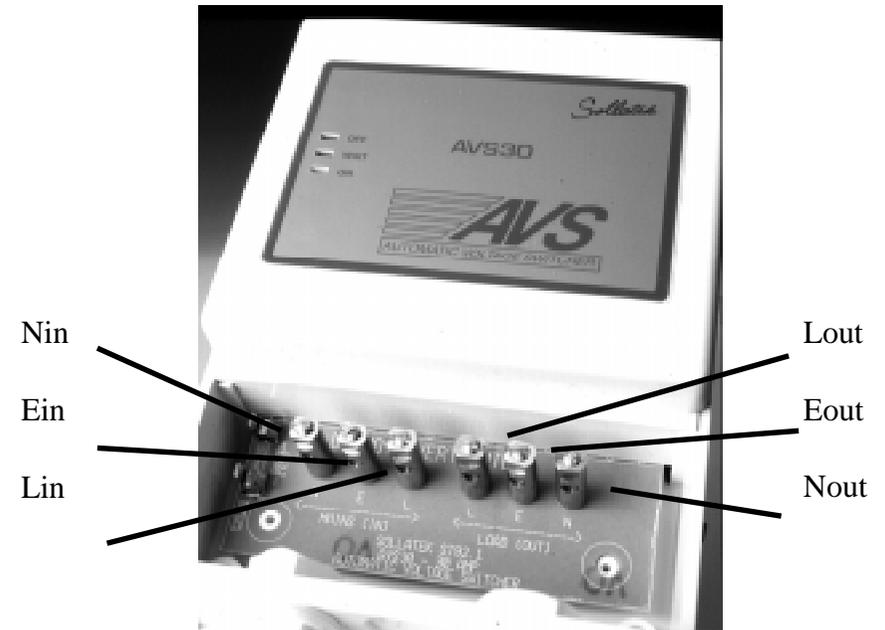
NOTE: The supply to the AVS30 must be fitted with a 30A fuse or less.

NOTE: The supply to the AVS100 must be fitted with a 100A fuse or less.

AVS100 Note: The earth cable should be taken from the incoming supply directly to the appliance or distribution board. The AVS100 itself does not require an Earth. Beware of high speed cooling fan which may switch on at any time.



AVS100 Connection Diagram



AVS30 Connection Diagram

