AUTOMATIC VOLTAGE SWITCHER

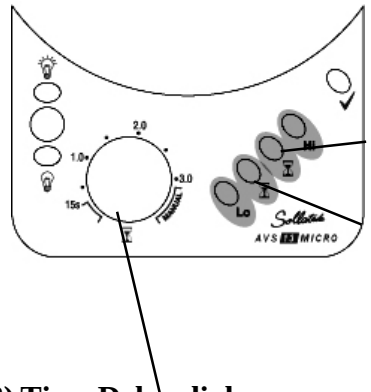
Micro Version

AVS13 *Micro*, AVS13RL *Micro* & AVS15 *Micro*

The AVS is an Automatic Voltage Switcher rated at 13 Amps (AVS13) or 15Amps (AVS15) . The AVS will switch off the equipment connected to it if the mains power goes outside preset acceptable limits and will re-connect **- automatically*** - when the mains power returns to normal. Re-connection takes place after a delay to ensure stability of the mains.

*** unless set to MANUAL on the Time delay Dial**

This new version of the AVS has a built-in micro-processor that has added advanced features to the product. These include;



1) Five voltage indicators

✓ The power supply is good and the load is connected

Hi The AVS has detected that the mains voltage is too high and therefore dangerous to your equipment. The AVS has disconnected the power supply .

⧗ Power supply has returned to normal (after an over-voltage condition - see above). The AVS is waiting before the power supply is restored to your equipment.

⧗ Power supply has returned to normal (after an under-voltage condition - see below). The AVS is waiting before the power supply is restored to your equipment.

Lo The AVS has detected low voltage condition and has disconnected the power to your equipment to protect against it.

2) Time Delay dial

By adujsting the dial, you can set the start-up delay (after first connecting and after re-connection in case of over or under-voltage) from 15 Seconds to 3 minutes (AVS13) or 1.5 minute to 5 minutes (AVS15). Alternatively you can pre-set to MANUAL. MANUAL indicates that the AVS will not connect your load until you press the LOAD ON/OFF switch.

Tip: Use MANUAL setting if you do not want equipment to automatically re-start for example if you do not wish the Air-conditioner to re-connect automatically after a power cut.

3) LOAD ON/OFF Switch

Using this button, ⏻ you can switch your equipment On or Off. If the switch is in the off position (Light bulb off), press the switch to turn the equipment on. **PLEASE NOTE THAT THE EQUIPMENT WILL BE CONNECTED AFTER THE DELAY HAS PASSED AS SET BY THE TIME DELAY DIAL.**

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Connection:

1.Make sure that your load does not exceed the rating of the AVS.

2.The limits of the AVS are pre-set at the factory (i.e. The AVS13 is 185-260 volts). If different limits are required, please refer to your dealer

3. If there is no plug connected to the AVS lead, then connect a suitable plug to the unit, and plug into the mains

4. Plug your appliance into the AVS.

5. The LEDs on the front indicate the state of the AVS (see facing page for full details).

6. 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.

7. The plug connected to the AVS13 is fused at 13Amps. If the unit stops working and no LEDs are lit on the front of the unit check that the fuse is intact. If not, replace with a 13Amp HBC fuse. The AVS15 plug is not fused but an 18amp circuit breaker* is located on the side of the unit. Press to reset.

Caution: Before replacing fuse or resetting the circuit breaker, ensure that the load does not exceed the recommended rating of the AVS.

Specifications

Model	AVS13	AVS13RL	AVS15
Current (Amps)	13Amps	13Amps	15Amps
Nominal Voltage	230V	230V	230V
Wait Time (Minutes)	Adjustable 15seconds -3minutes	Adjustable 15seconds -3minutes	Adjustable 1.5minutes - 3minutes
Under-Voltage Disconnect	185V	185	185V
Over-Voltage Disconnect	260	260	260
Hysteresis	3-7V	3-7V	3-7V
Socket Type	UK 13Amp (BS1363)	UK 13Amp (BS1363)	UK 15Amp (BS546)
Fused Plug	Yes (13Amps)	Yes (13Amps	No (18Amp circuit breaker fitted)*
RFI Protection	No	Yes	No
Attenuation (db)	N/A	20 @ 100Khz, 50@ 1MHz , 35 @ 10MHz 35	N/A
Transient Suppression	Yes (>6.5kA)	Yes (>6.5kA)	Yes (>6.5kA)
Spike Protection	160J	160J	160J

* AVS15-E Only

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The Power To Protect