



Voltshield™

USER INSTRUCTIONS

The Sollatek Automatic Voltage Switcher (AVS) Range



AVS13 & AVS13RL

AVS15

AVS16

This manual contains important safety instructions. Keep this manual handy for reference.

Introduction

Power interruptions cause major problems for home and business electrical and electronic appliance. An unpredictable power supply such as high or low voltage, brown-outs, power-back surges, spikes/surges, lightning strikes, and power-cuts (black-outs), can lead to loss of critical data, lowered productivity, damage, or even complete failure of expensive appliance.

The Sollatek Automatic Voltage Switcher (AVS) range provides protection against bad voltage conditions to prevent loss in data, productivity, or damage to your appliance.

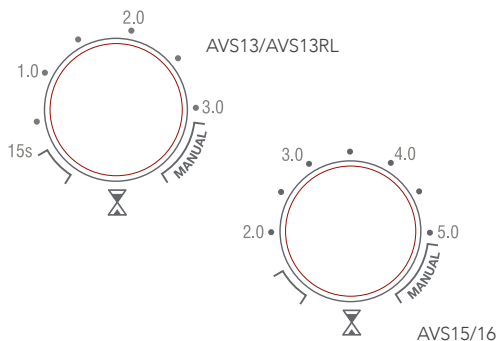
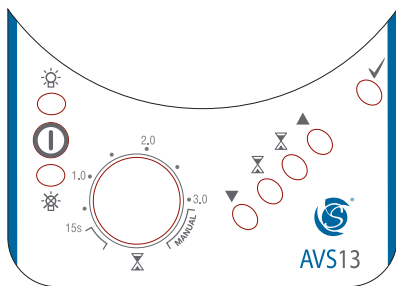
Function

The AVS works by disconnecting the power to your appliance if the mains voltage goes below or above the set limits. Reconnection takes place automatically after the power has returned to normal (within acceptable limits) and the user settable wait time has elapsed.

The start-up delay and voltage monitoring provide protection against power-back surges and frequent power ups by ensuring the mains power has stabilised before reconnecting it to your appliance.

TimeSave™ Feature

TimeSave™ function helps ensures longer operating time and reducing unnecessary long start up delay by reconnecting the power to your appliance after 10 seconds, when the power has been off for a long period (more than 3 minutes).



Voltage Status Indicators:

- Voltage Good. Appliance **ON***.
- ▲ High Voltage. Appliance **OFF**.
- ⌘ Voltage Good, recovered from high voltage.
- AVS in Wait Mode, appliance **OFF**.
- ⌘ Voltage Good, recovered from low voltage.
- AVS in Wait Mode, appliance **OFF**.
- ▼ Low Voltage. Appliance **OFF**.

*Assuming the appliance is turned ON with the power button on the AVS.

Load Switch & Indicator:

- ☀ Power is connected. Appliance **ON**.
- ⓘ Power Button – Switch your appliance **ON/OFF** manually.
- Power is disconnected – Appliance **OFF**.

*Appliance will only turn on if the voltage is good

Time Delay Dial:

Adjust the dial to set the start-up delay (after first connecting and re-connecting power to your appliance) from 15 seconds to 3 minutes (AVS13) or 1.5 minute to 5 minutes (AVS15 & AVS16).

When set to MANUAL, the AVS will not automatically connect power to your appliance. Power is connected via the load switch.

Note: The Sollatek AVS has a TimeSave function. The AVS will reconnect automatically in 10 seconds if the unit has been switched off for more than the 3 minutes.

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

Specifications:

Model	AVS13	AVS13RL	AVS15	AVS16
Current (Amps)	13	13	15	16
Nominal voltage(V)	230	230	230	230
Wait time (mins)	adjustable 15 secs-3 mins	adjustable 15 secs-3 mins	adjustable 1.5 mins-5 mins	adjustable 1.5 mins-5 mins
Under-voltage disconnect(V)	185	185	185	185
Over-voltage disconnect(V)	260	260	260	260
Hysteresis(V)	3-7	3-7	3-7	3-7
Socket type	UK13A (BS1363)	UK13A (BS1363)	UK15A (unfused plug)	Schuko
Fused plug	Yes. 13Amp	Yes. 13Amp	No	No
RFI protection	No	Yes	No	No
Attenuation(db)	N/A	20@100Khz,50@1Mhz 35@10Mhz	N/A	N/A
Transient suppression	Yes(>6.5kA)	Yes(>6.5kA)	Yes(>6.5kA)	Yes(>6.5kA)
Spike protection(J)	160	160	160	160
Temporary Over Voltage (TOV)	415V	415V	415V	415V

Operation:

Important: Ensure the rating of your appliance does not exceed the rating of the AVS.

- 1) Plug the AVS into mains outlet.
- 2) Adjust the dial to set the time delay.
- 3) Plug your appliance into the AVS plug socket.
 - a) Dial set to a time: When the set time delay has elapsed, your appliance will turn ON.
 - b) Dial set to Manual: press the power button to turn your appliance ON
- 4) The voltage and appliance status will be indicated via the LEDs on the front of the AVS.

Note: 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.

Important: The AVS13 plug is fused at 13Amps. If the unit stops working and no LEDs are lit, check that the fuse is intact. If not, replace with a 13Amp HBC fuse.

Liability of the Company

- (a) The Company shall not be liable, either in contract or in tort for any loss, injury or damage of whatsoever nature or to whomsoever or by whatsoever cause arising directly or indirectly from any defect in the Goods (whether latent or apparent) or as a result of the use of the Goods (save and except any liability for death of or injury to any person resulting directly from the negligence of the Company) and the Customer shall fully indemnify the Company against all claims and demands made upon the Company by reason of any such loss or injury or damage.
- (b) Without prejudice to the provisions of the immediately preceding sub clause the Company shall not in any event be liable for consequential or indirect loss or damage howsoever arising under the Contract or in relation to the Goods.
- (c) The Customer hereby acknowledges that the restrictions in this clause are fair and reasonable in the circumstances.

Warranty

Unless otherwise agreed with the Company or where the Company has notified the Customer of special terms in respect of specified categories of goods the Company agrees at its option either to refund the cost of or repair or replace goods proved to the Company's reasonable satisfaction to have failed under proper storage and use within 24 months of delivery by reason of defects due to faulty design (other than any design made, furnished or specified by the Customer) materials or workmanship provided that:

- (a) The Customer shall have followed any instruction issued by the Company in relation to the goods and their storage;
- (b) In the case of defects which would have been apparent to the Customer on reasonable examination of the goods on delivery, 'the' Customer shall notify the Company of the defects within 14 days of delivery;
- (c) In the case of any other defects the Customer shall notify the Company of the defects in writing within 7 working days of the date when the defect becomes apparent;
- (d) Where in discharge of its obligation under this clause the Company agrees that the Customer may undertake any repair work on its behalf the cost of such work shall be agreed in writing between the Customer and the Company before the commencement of such work.

Return of Goods

- (a) Goods supplied in accordance with the Customer's orders cannot be accepted for return without the prior written consent of the Company and in accordance with the Company's returns procedure.
- (b) The Company reserves the right to levy a handling, administration or other charge of such amount as it, in its absolute discretion, decides and may deduct this from any credit allowed unless the reason for any return by the Customer is due to any fault or breach of these Conditions on the part of the Company.
- (c) Returned Goods must be sent carriage paid at the Customer's risk to the Company's trading premises or to such other address as the Company may direct.
- (d) The Company will not allow credit in respect of returned goods not in fully re-saleable condition.



An ISO9001:
2015 accredited company

ROHS status: Compliant

IEC standards:
BS EN 60730 compliant

Sollatek (UK) Limited
Sollatek House,
Waterside Drive Langley,
Slough SL3 6EZ
United Kingdom

Tel: +44 (1753) 214 500
sales@sollatek.com
www.sollatek.com

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