


**Voltshield™**

## AUTOMATIC VOLTAGE SWITCHER (AVS15 MICRO)

OVER AND UNDER VOLTAGE PROTECTION

### Description

The AVS is an Automatic Voltage Switcher rated at 15 Amps (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 ('the start-up delay') to ensure stability of the mains.

In addition, the start-up delay provides protection against power-back surges commonly experienced after resumption of power in a power cut situation.



Surge and spike protection is also incorporated to ensure protection against these commonly occurring events.

\* unless set to MANUAL on the Time Delay dial.

### Function


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

#### 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.



### 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.

### Time Delay dial

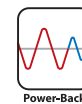
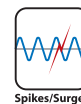
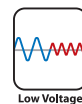
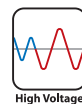
By adjusting the dial, you can set the start-up delay (after first connecting and after re-connection in case of over or under-voltage) from 15 seconds to 3 minutes (AVS13) or 1.5 minutes to 5 minutes (AVS15). Alternatively you can pre-set to MANUAL. MANUAL indicates that the AVS will not connect your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

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.

### Applications

All electrical and electronic equipment including air conditioners, large fridges/freezers etc.

#### Protection against:




#### Features:

**6.5kA**  
UP TO  
8/20µs

**13**  
AMPS  
UP TO

ADJUSTABLE  
  
START UP DELAY

MICROPROCESSOR  
  
CONTROL

TIMESAVE  


AVS™  
FUNCTION

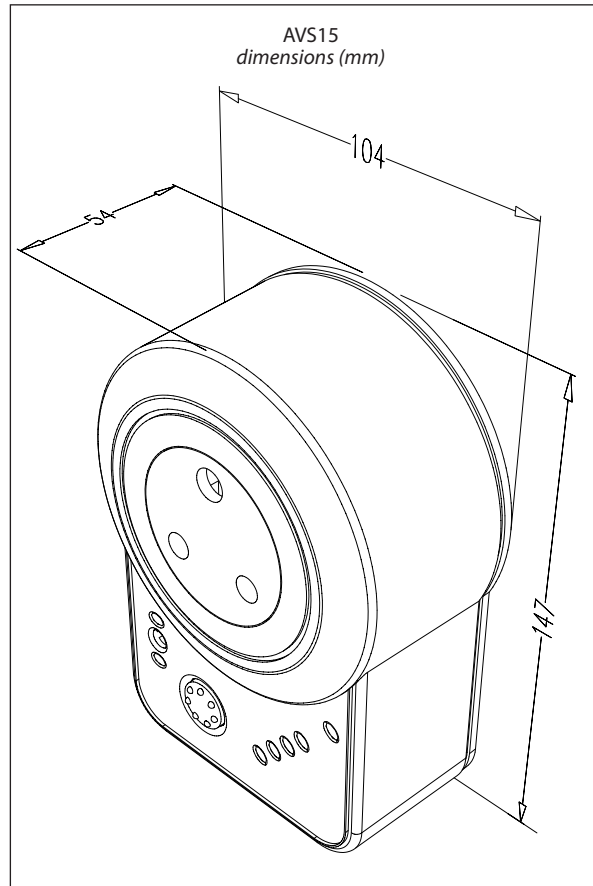
#### Protection for:

  
A/C

  
FREEZERS

## Specifications

Model	AVS15
Nominal voltage	230V
Watts	3600
Frequency	50/60 Hz
Load current (Amps)	15
Inrush current (20ms)	110 Amps
Max consumption (milli Amps)	<100mA
Wait time	15secs-3mins
Over-voltage disconnect	265V
Over-voltage reconnect	263V
Under-voltage disconnect	185V
Under-voltage reconnect	190V
Max operating voltage (U <sub>c</sub> )	320V
Spike / surge protection (Class II)	Joules 160 Amps 6500A (8/20us) Response 10 nanosecs
Protection mode:	L-N
Response time (over voltage)	<20 millisec
Response time (under voltage)	1 second
Brown-out response time	20 millisec
Approx packed weight	500 g
Dimensions packed (mm)	H 230 x W 134 x D 54
Shipping quantity per carton	40
Shipping carton dimensions (mm)	H 590 x W 540 x D 250
Socket type	UK 15Amp
(other sockets available upon request)	

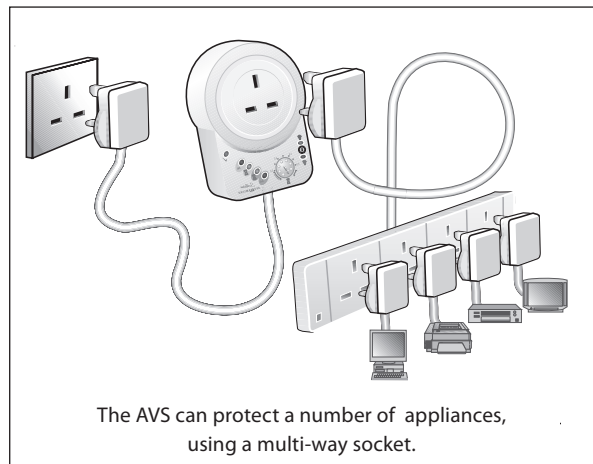


### TIMESAVE™ description

The Voltshield has a built-in microprocessor which adds the advanced feature TimeSave™. TimeSave™ means that when the mains returns to normal, the Voltshield checks the duration of the OFF time. If the unit has been off for more than 3 minutes then it will reconnect the mains within 30 seconds rather than the standard 3 minutes. This means the Sollatek Voltshield will give you more vital working time than any other switcher.

### The VOLTSHIELD features

- Protects and prolongs the useful life of electrical appliances
- Eliminates the need to switch off appliances every time the electricity fails
- Safeguards valuable electrical appliances at all times
- Very low cost protection in relation to the value of appliances
- Different models available



The AVS can protect a number of appliances, using a multi-way socket.

**ITEM**  
AVS15 – 3 ROUND PIN 230V

**PRODUCT CODE**  
91155000

For more information on the Sollatek's Voltage Switcher Range refer to the **Voltshield** brochure or visit [www.sollatek.com](http://www.sollatek.com)

# Sollatek™

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