Description

The AVS is an Automatic Voltage Switcher rated at 30 Amps (AVS30). 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.

Function

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

Five voltage indicators

- The power supply is good and the load is connected.
- 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.
- 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 (Indicator 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.

Applications

Air-conditioners, large fridge/freezers, whole office, and complete circuits.

Tips

Direct wiring adds security of installation.

Protection against:

- High Voltage
- Low Voltage
- Spikes/Surges
- Power-Back Surges
- Lightning
- Electro-Magnetic
- Electro-Static
- RFI / Noise
- 8/20μs
- Class II
- Surge/Spike

Protection for:

- All Equipment
- Buildings
- TV
- Faxes
- Computers
- CD Players
- Radios
- Freezers
- Coolers
- Monitors
- Copiers
- Printers
- Air-conditioners
- Large fridge/freezers
- Whole office
- Complete circuits

Features

- 30 Amps
- IP41
- Adjustable
- ON/OFF Control
- Time-Save
- Advanced

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Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Nominal Voltage</th>
<th>AVS30</th>
<th>230V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Watts</td>
<td>3300</td>
<td>7200</td>
<td></td>
</tr>
<tr>
<td>Frequency</td>
<td>50/60 Hz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Load Current (Amps)</td>
<td>30</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>Inrush Current (20ms)</td>
<td>110 Amps</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max consumption (milli Amps)</td>
<td>&lt;100mA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wait Time</td>
<td>10s -10m plus manual</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Over-Voltage Disconnect</td>
<td>230V-300V plus off</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Over-Voltage Reconnect</td>
<td>2V below HVD setting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Under-Voltage Disconnect</td>
<td>150 - 230V</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Under-Voltage Reconnect</td>
<td>5V above LVD setting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max supply</td>
<td>160V</td>
<td>320V</td>
<td></td>
</tr>
</tbody>
</table>

Spike / surge protection

<table>
<thead>
<tr>
<th>Joules</th>
<th>Amps</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>80</td>
<td>6500A (8/20us)</td>
<td>10 nanosecs</td>
</tr>
<tr>
<td>160</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Response time (over voltage) | <20 millisec |
Response time (under voltage) | adjustable 05 - 10 secs |
Brown-out response time | 20 millisecond |
Approx packed weight | 600 g |
Dimensions packed (mm) | H 230 x W 135 x D 55 |
Shipping quantity per carton | 40 |
Shipping carton dimensions (mm) | H 590 x W 540 x D 250 |
Socket type | direct via brass screw terminal |

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 VOLTSHEILD 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

For more information on Sollatek’s voltage protection refer to the VP Catalogue. or visit www.sollatek.com

ITEM
AVS30 – Direct wiring

PRODUCT CODE
91300000

RoHS

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