



THE SOLLATEK VOLTAGE STABILISER SVS08-11

INSTRUCTION MANUAL

• Before using the SVS please read all instructions carefully.

• Keep these instructions for future reference.

Operating Sequence

- On first turning the unit on, the input voltage must be above 83V. a) If the unit has been switched off for more than the set delay (3 to 6 minutes depending on the model), the SVS08-11 will power up in 10 seconds.
- b) If the unit has been switched off for less than the set delay, the SVS08-11 will wait until the timer has elapsed before powering up. This allows proper protection of the fridge/compressor and any load connected to it and prevents frequent switching on and off.
- While the unit is waiting to power on, the yellow wait LED will be ON and the LED display will show the input voltage. By pressing the toggle switch, the display will show the output voltage which should be 120V.
- Once the unit is powered, the display will show the current input or output voltage (whichever the SVS is configured to) and the green tick LED will be ON.
- Refer to the table below for the expected output voltage depending on the input voltage.
- If the input voltage is either below 80V or above 159V, the SVS08-11 using its built-in AVS™ will disconnect the voltage to the load. The display will show the corresponding input voltage level or 000 for the output and the red cross LED will turn ON.
- Power will be automatically re-instated (after the start-up delay) once the input voltage comes within the reconnection range (>83V and <157V).



Input and output voltage response for standard models

120 V																				
Input	0-79	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	159	160	
Output	OFF	108	115	122	128	112	118	123	129	135	120	125	108	112	116	120	125	129	132	OFF

Description

As both high and low mains voltage can damage your electrical equipment, the Sollatek SVS is designed to monitor and correct the incoming supply continuously.

If the incoming supply drops the SVS will stabilize the output to ensure that the voltage reaching your equipment remains constant at 120V (+/-1%). Within the operating range of the unit.

The Sollatek SVS has a modern state of the art LED display to accurately indicate the state of the input and the output voltage supplied to load.

The Sollatek SVS is unique in having a built-in Sollatek AVS™ (Automatic Voltage Switcher). This adds the following protective functions:

a) Provides a start-up delay which prevents rapid switching ON and OFF of the appliance in serious fluctuations. This is particularly important for loads that use compressors (e.g. Fridges, Freezers, Cookers, Air conditioners) and vital for sensitive electronic equipment like computers, photocopiers, fax machines, lab equipment, medical instruments etc.

b) Provides a shutdown and disconnect function whereby it will switch off your equipment in cases where the fluctuations exceed EXTREMELY BAD and the SVS can not correct the voltage.

c) The Sollatek SVS has a built-in microprocessor which adds an advanced feature TimeSave™. TimeSave™ means that when the return rating reaches from a brown-out, the SVS checks the duration of the OFF time.

The SVS also protects your electrical equipment against power spikes and surges. By using the SVS you will ensure a stable, and clean voltage supply to your load.

The SVS is designed for usage with Fridges, freezers, air conditioners, computers, TV and satellites rated up to 8 Amps.

Specifications

Model SVS08-11

Output Current 8Amps

VA@120V 960V

Weight 4.3 kg

Case type Plastic

AVS function YES

Spike protection YES

Input/output range

Nominal Voltage 120V

Input range 80V to 159V

Output 108V to 132V

Frequency range 45Hz to 75Hz

General

Ambient temperature range 0 to +55°C

Relative humidity >95%, non condensing

Dimension (L x W x H) 277 x 161 x 131 mm

Troubleshooting

Symptom	Possible Cause	Remedy
The unit does not switch on. None of the LEDs are lit and the display is off.	1. The fuse has blown. 2. The mains switch is not on. 3. No power is available on the input.	1. Replace the blown fuse with a fuse of the correct rating. 2. Ensure that the load current does not exceed the capacity of the unit. If after changing the fuse the unit is still not functioning return the unit for repair. 3. Ensure you are using the correct voltage - 230V.
The unit appears to be functioning normally but the load is not being switched on.	1. Load is not plugged in. 2. Load is not switched on.	1. Check that the load is plugged in. 2. Check that the input voltage is within the input range of the SVS. 3. Load fuse has blown. 4. Time delay is in progress.
The unit appears to be functioning but the output voltage is persistently low.	The mains input is too low. 1. Due to continuous brown-out. 2. The unit is failed at 230V and the incoming supply is 110V.	Look at the voltage response table above. If the input voltage does not match the output voltage, please contact your local service centre.
Guarantees & Returns	Sollatek (UK) Ltd provides a guarantee of 2 years from the date of purchase of this appliance. Please refer to our website for full warranty terms & conditions. sollatek.com/warranty	

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The SVS is designed for usage with Fridges