



VOLTGUARD

Over and under voltage protection

Description

The VoltGuard is a plug-in adaptor that prevents damage to equipment from high and low voltage levels of any duration. It works by disconnecting power when voltage levels exceed set parameters. Reconnection takes place when power returns inside parameters for a pre-set period. Fully automatic in operation.

The VoltGuard provides power-back surge protection as standard by its in-built start-up delay and voltage monitoring. Additionally, the VoltGuard includes surge and spike protection.

Function

Protects against **high voltage**, and power-back surges. These conditions are harmful to electrical and electronic equipment. By disconnecting the power when it is bad, the VoltGuard safeguards against short term and long term damage to ensure higher efficiency from your appliances.

Also protects against **low voltage**, brown-outs and voltage dips. These conditions are harmful to fridges, freezers, pumps and all motor equipment.

Re-connects after a delay, depending on the dial setting of 30 Sec (RED area) or 3 Min (BLUE area), thereby ensuring stability of the power supply.

Applications

Ideal for protection of all sensitive electronic and electrical equipment such as TV, video, Hi-Fi, fax, PABX etc. Also ideal for protection of fridges, freezers, coolers and all refrigeration equipment.

Tips

Covers all domestic appliances, as it has over and under protection.



High Voltage



Low Voltage



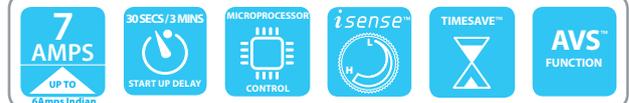
Spikes/Surges



Power-Back Surges

8/20µs
Class III
Surge/Spike

Features



Protection for



iSense™ function

The iSense™ technology allows you to control how sensitive the VOLTGUARD is to voltage problems. Using the iSense™ dial you can set the desired level of protection and startup delay.

Dial settings

There are four settings available:

1. Blue / H

3 minute startup delay at High setting. Ensures greater protection by narrowing the acceptable voltage limits. This is ideal for users with less erratic mains supply that require better protection. This is ideal for compressor based loads for example: fridges, coolers etc.



2. Blue / L

3 minute startup delay at Low setting. Ensures more working time as it will tolerate wider acceptable voltage limits. This is ideal for users with more erratic mains supply that constantly switches off, providing a wider window of acceptable voltage limits. This is ideal for compressor based loads for example: fridges, coolers etc.



3. Red / H

30 second startup delay at High setting. Ensures greater protection by narrowing the acceptable voltage limits. This is ideal for users with less erratic mains supply that require better protection. This is ideal for electronic equipment such as PC, TV, Satellite etc.



4. Red / L

30 second startup delay at Low setting. Ensures more working time as it will tolerate wider acceptable voltage limits. This is ideal for users with more erratic mains supply that constantly switches off, providing a wider window of acceptable voltage limits. This is ideal for electronic equipment such as PC, TV, Satellite etc.

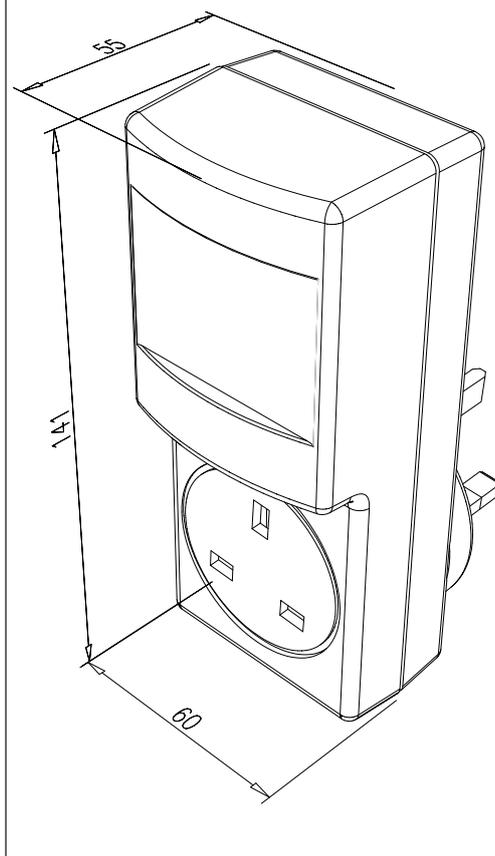


TIMESAVE™ function

TIMESAVE™ adds the following protective function:

The Voltguard has a built-in microprocessor which adds the advanced feature TimeSave.™ TimeSave™ means that when the mains return to normal, the unit checks the duration of the OFF time. If the unit has been off for more than the standard wait time, then it will reconnect the mains within 10 seconds. This means the Sollatek unit will give you more vital working time than any other switcher.

Dimensions



Specifications

Model	VoltGuard		
Nominal voltage	115V		230V
Current rating	7A (6A Indian)		
Inrush current	128A		
Mains surge/spike response time	<10ns		
Mains max spike/surge Discharge	6.5kA >3kA (8/20µs surges)		
Spike protection	160J		
Mains disconnect response time	Over-voltage	>20ms	
	Under-voltage	0.5 Sec	
Maximum settable wait time	(iSense Blue side)	3 min	
Minimum settable wait time	(iSense Red side)	30 sec	
TimeSave™ delay	10 sec		
Over voltage disconnect	iSense Low	133V	265V
Over voltage disconnect	iSense High	128V	255V
Under voltage disconnect	iSense Low	90V	180V
Under voltage disconnect	iSense High	95V	190V
IP rating	IP20		
Dimensions (mm)	Unpacked	140 x 60 x 90	
	Packed	250 x 130 x 95	
Packing details	Carton qty	24	
	Pallet qty	1008	
Weight (gm)	190		
Data line protection	No		
Socket availability	UK/ EU/ US/ Indian 6A		

ITEM		PRODUCT CODE
VOLTGUARD – UK SOCKET	230V	92625000
VOLTGUARD – EUROPEAN SOCKET	230V	92625100
VOLTGUARD – 6A INDIAN SOCKET	230V	92625300
VOLTGUARD – US SOCKET	115V	92625500

For more information on the Sollatek's Voltage Protection Range refer to the **Voltage protection catalogue** or visit www.sollatek.com

Sollatek™

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