

AVS30

AUTOMATIC VOLTAGE SWITCHER PROVIDING OVER AND UNDER VOLTAGE PROTECTION

DESCRIPTION

The Automatic Voltage Switcher (AVS30) is the ultimate voltage protection unit, designed to safeguard domestic and industrial appliances from fluctuating high and low voltage, spikes, surges, and power-back surges. Rated at 30 Amps, the AVS30 is a fully automatic voltage switcher with a built-in microprocessor that disconnects power from the mains if the voltage exceeds pre-set limits. Once the AVS30 monitors the input power, it automatically reconnects when the voltage returns within safe limits and the start-up delay has been satisfied.

The AVS30 features an intelligent start-up delay (TimeSave™), adjustable from 10 seconds to 10 minutes, ensuring the mains power has stabilised before reconnection. This delay prevents frequent on/off switching during fluctuations. It also protects against power-back surges, which commonly occur soon after power is restored following an outage.

Additionally, surge and spike protection are incorporated to defend against these frequent events. The AVS30 can tolerate extremely high voltages, such as those experienced during **Loss of Neutral (LoN) events**. It is capable of withstanding continuous voltages up to 415 V (for 230 V systems) or 220 V (for 115 V systems), providing reliable protection for your appliances against catastrophic voltage events.

APPLICATIONS

The AVS30 is rated at 30 Amps and is suitable for all electrical and electronic appliances, including air conditioners, large refrigerators and freezers, computer circuits, and building electrical systems.

FEATURES

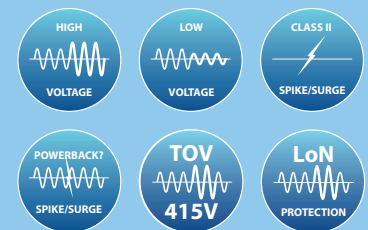
- Loss of Neutral (LoN) Protection
- Microprocessor controlled
- Automatic voltage disconnection/reconnection
- User adjustable limits to match precise requirements
 - High Voltage Disconnection
 - Low Voltage Disconnection
 - Start-up Delay
 - Low Voltage Blind Time
- Manual Override button to turn On the appliance
- Includes surge and spike suppression
- Incorporates TIMESAVE™ Function.
- 5 LED Status Indicators



FEATURES



PROTECTION AGAINST



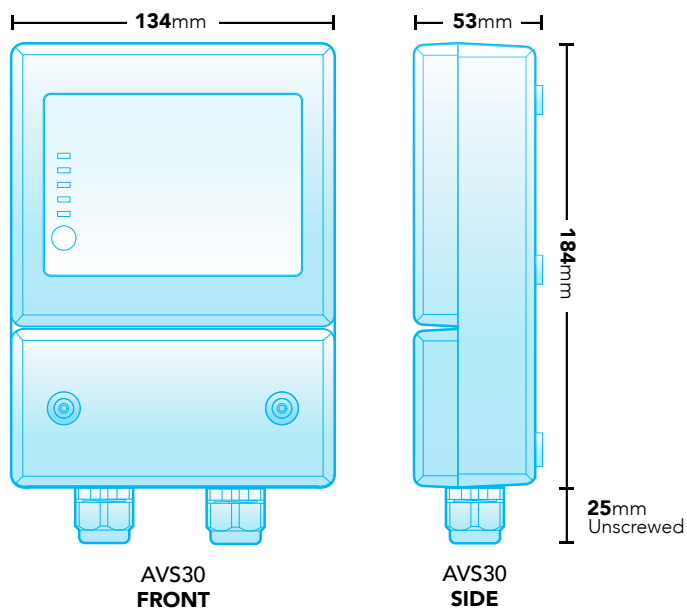
PROTECTION FOR



TECHNICAL SPECIFICATION

GENERAL				
Nominal Voltage	230 V		115 V	
Current	30 A			
Power Rating	6900 W		3450 W	
Frequency	50/60 Hz			
Voltage Disconnect (<i>User Settable</i>)	150 to 300 V		75 to 150 V	
Hysteresis (<i>Reconnection Voltage</i>)	3 to 5 V (<i>from set limits</i>)			
Maximum Supply Voltage	320 V		160 V	
Temporary Over Voltage (TOV)	415 V		220 V	
Voltage Blind Time	Low	OFF, 0.5 to 10 s		
	High	<20 ms		
Inrush Current	110 A			
Max Consumption	<100 mA			
Wait Time (Start-up delay)	Manual, 10 s to 10 min			
Spike Protection	143 J		80 J	
Mains Spike Discharge	5.0 kA			
Spike Response Time	<10 ns			
Ambient Temperature	0°C to 55°C			
Relative Humidity	>95%, non-condensing			
Environmental Protection	IP30			
Standards	CE, EN 60730:2011, EN 61000-4-3, EN 61000-6-3, EN 61000-4-4, EN 61000-6-1, EN 61000-4-5, EN 50561-1, EN 61000-4-6, EN 61000-4-2, EN 61000-4-11			
MECHANICAL				
Connector	Screw Terminals	Packing	Packed Unit	Carton
Unit Dimensions (L x W x D)	184 x 134 x 53 mm (<i>without Cable</i>)	Quantity	1	40
Unit Weight	500 g	Dimensions (L x W x D)	230 x 135 x 55 mm	590 x 540 x 250 mm

DIMENSIONAL DRAWING



PRODUCT CODE

91306000

91305100

DESCRIPTION

AVS30 230V 30A MICRO BASED 50/60HZ

AVS30 115V 30A MICRO BASED 50/60HZ

SOLLATEK (UK) LIMITED

Sollatek House, Waterside Drive, Langley, Slough SL3 6EZ, United Kingdom

Tel: +44 (1753) 214 500

Email: sales@sollatek.com

Web: www.sollatek.com

ISO9001: 2015 accredited company

All weights and dimensions are approximate. Specifications are subject to change without prior notice. ©Sollatek (UK) Limited 2024. All Rights Reserved. SOLLATEK and the SOLLATEK device are the trade marks of the Sollatek group of companies.

i The diagrams presented are for illustrative purposes only. Detailed drawings are available upon request.

