

AVS30

AUTOMATIC VOLTAGE SWITCHER PROVIDING OVER AND UNDER VOLTAGE PROTECTION

DESCRIPTION

The Automatic Voltage Switcher (AVS30) is the ultimate voltage protection unit that safeguards domestic and industrial appliances against fluctuating high and low voltage, spikes/ surges and powerback surges.

The AVS30, rated at 30 Amps, is a fully automatic voltage switcher with a built-in microprocessor that disconnects power from the mains if the voltage goes outside the pre-set limits. After the AVS30 has monitored the input power, reconnection resumes when the voltage returns within limits deemed safe once the start-up delay has been satisfied.

The AVS30 boasts an intelligent (TimeSave™) start-up (adjustable from 10 seconds to 10 minutes) delay to ensure the mains power has stabilised before reconnecting. This delay prevents frequent switching on/off during fluctuations. It will also protect against power-back surges commonly experienced soon after power has returned following a power cut.

Surge/spike protection is also incorporated to ensure protection against these commonly occurring events. The AVS30 can tolerate extremely high voltages as experienced during Loss of Neutral events. It can withstand continuous voltages up to 415V (230V) or 220V (115V) thereby protecting your appliances against these catastrophic events.

APPLICATIONS

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

FEATURES

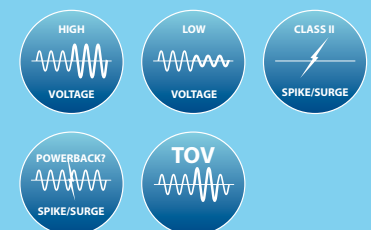
- Microprocessor controlled
- Automatic voltage disconnection/reconnection
- User adjustable limits to match precise requirements
 - High Voltage Disconnection
 - Low Voltage Disconnection
 - Start-up Delay
 - Low Voltage Blind Time
- Manual Override button to turn On the appliance
- Includes surge and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



FEATURES



PROTECTION AGAINST

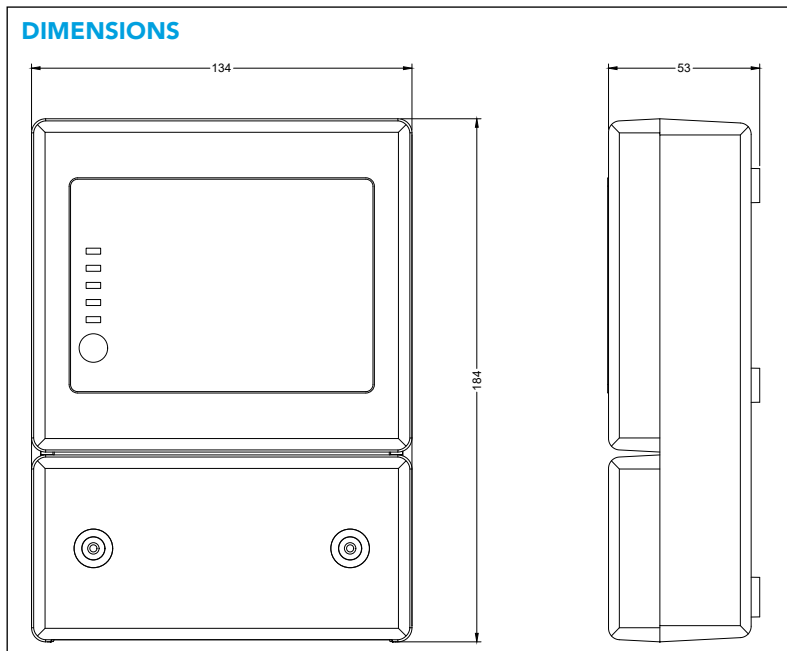


PROTECTION FOR



TECHNICAL SPECIFICATION

Nominal Voltage	230 V	115 V
Current	30 A	30 A
Power Rating	6900 W	3450 W
Frequency	50/60 Hz	
Voltage Disconnect	150 to 300 V (user settable)	75 to 150 V (user settable)
Hysteresis (reconnection voltage)	3 to 5 V from set limits	
Maximum Supply Voltage	320 V	160 V
Temporary Over Voltage (TOV)	415 V	220 V
Low Voltage Blind Time	OFF, 0.5 to 10 s	
High Voltage Blind Time	<20 ms	
Inrush Current	110 A	
Max Consumption	<100 mA	
Wait Time (Start-up delay)	Manual, 10 s to 10 min	
Spike Protection	160 J	80 J
Mains Spike Discharge	6.5 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	
Connector	Screw Terminals	
Unit Dimensions (L x W x D)	184 x 134 x 53 mm (without cable glands)	
Unit Weight	500 g	
Packed Dimensions (L x W x D)	230 x 135 x 55 mm	
Carton Quantity	40	
Carton Dimensions & Weight	590 x 540 x 250	



TIMESAVE™ FUNCTION

The AVS monitors the duration of the disconnection time, if the duration is more than the set wait time, then the AVS will reconnect the mains within 10 seconds. This means the AVS will give you more vital working time than any other switcher.

PRODUCT CODE

91306000

91305100

DESCRIPTION

AVS30 230V 30A MICRO BASED 50/60HZ

AVS30 115V 30A MICRO BASED 50/60HZ

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ISO9001: 2015 accredited company

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