

## 3 PHASE AUTOMATIC VOLTAGE SWITCHER CONTROL (AVS3P-0)

OVER AND UNDER VOLTAGE PROTECTION

### Description

The AVS3P-0 is a 3 phase Automatic Voltage Switcher that controls an external 3 phase controller or contactor of any size. The AVS3P-0 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 (adjustable from 10 secs to 10 mins) 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

The AVS3P-0 protects from over voltage and under voltage on any one of the three phases as well as loss of one or more phases. Indication and/or disconnection as a result of mains frequency error or phase sequence error is available as an option.

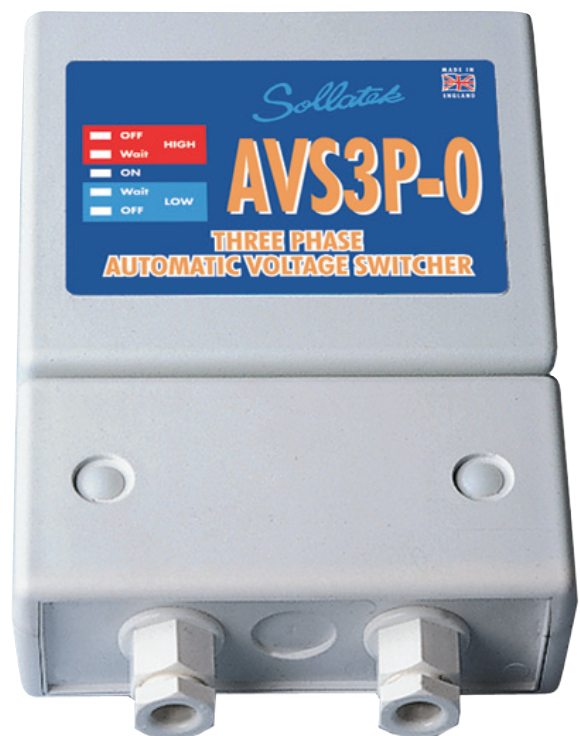
Unlike the AVS303, The AVS3P-0 is designed to operate an external control circuit or contactor which may be part of a motor starter or other equipment. The AVS3P-0 will open the contact if it detects a voltage problem.

### Applications

3 phase air-conditioners, industrial refrigeration and industrial plants and machinery.

### Tips

The AVS3P-0 has an uncommitted changeover relay output providing normally open and closed contacts rated at 16 amps that can be used to drive external alarms contactors and loads. Direct wiring adds security of installation.



#### Protection against:



High Voltage



Low Voltage



Spikes/Surges

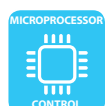


RFI/Noise



Class III Surge/Spike

#### Features:

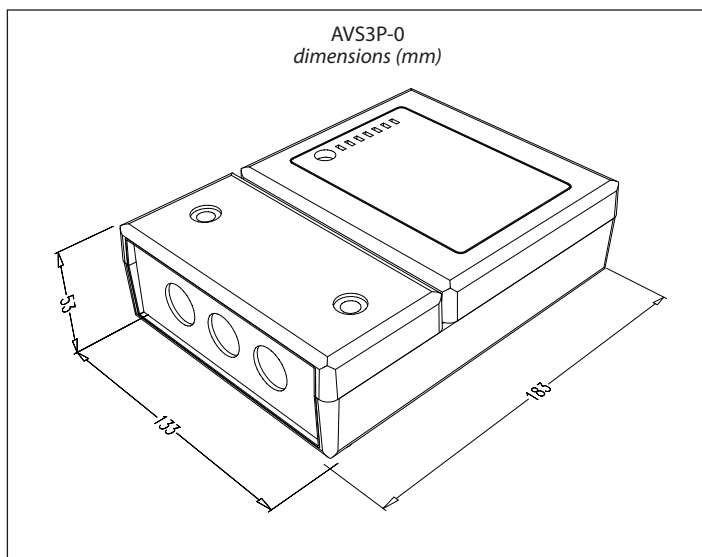


#### Protection for:



## Specifications

Model	AVS3P-0	
	115V	240V
Current (Amps)	16A@230V	16A@230V
Nominal voltage(V)	115/127V	230/240V
Wait time (mins)	10 secs to 10mins	
Window limits	adjustable	adjustable
Hysteresis(V)	2	4
Socket type	direct via brass screw terminal	
Fused plug	N/A	N/A
Transient suppression	Yes	Yes
Spike protection(J)	80J@115V	160J@230V
Max operating voltage (U <sub>c</sub> )	160V	320V
Packing details	Carton QTY	48
	Pallet QTY	480
Weight	500g	



## TIMESAVE™ description

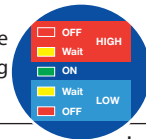


The Voltshield has a built-in microprocessor which adds the advanced feature TimeSave™. TimeSave™ means that when the mains returns to normal, the Voltshield checks the duration of the OFF time. If the unit has been off for more than 3 minutes then it will reconnect the mains within 30 seconds rather than the standard 3 minutes. This means the Sollatek Voltshield will give you more vital working time than any other switcher.

## The VOLTSHIELD 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

Five LEDs accurately display the status of the AVS in the following symmetrical traffic light design:



LED Colour	Indicating	Load Status
Red	High incoming voltage	OFF
Yellow	AVS is in wait state after a high voltage transition	OFF
Green	Mains normal	ON
Yellow	AVS is in wait state after a low voltage transition	OFF
Red	Low incoming voltage	OFF

ITEM	PRODUCT CODE
AVS3P-0	95600000
For more information on the Sollatek's Voltage Switcher Range refer to the <b>Voltshield</b> brochure or visit <a href="http://www.sollatek.com">www.sollatek.com</a>	

# Sollatek™

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