

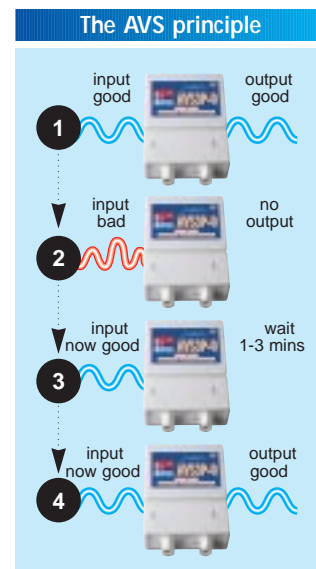


THE SOLLATEK THREE PHASE AUTOMATIC VOLTAGE SWITCHERS

The AVS3P-0 is a three phase Automatic Voltage Switcher based on the world famous AVS principle (Automatic Voltage Switcher). The AVS principle is a method developed by Sollatek to provide COMPLETE protection to electrical and electronic equipment from:

- Sustained high voltage or surges.
- Sustained low voltage or dips and sags.
- Mains fluctuations.
- Power-back surges (high voltage after a power interruption).

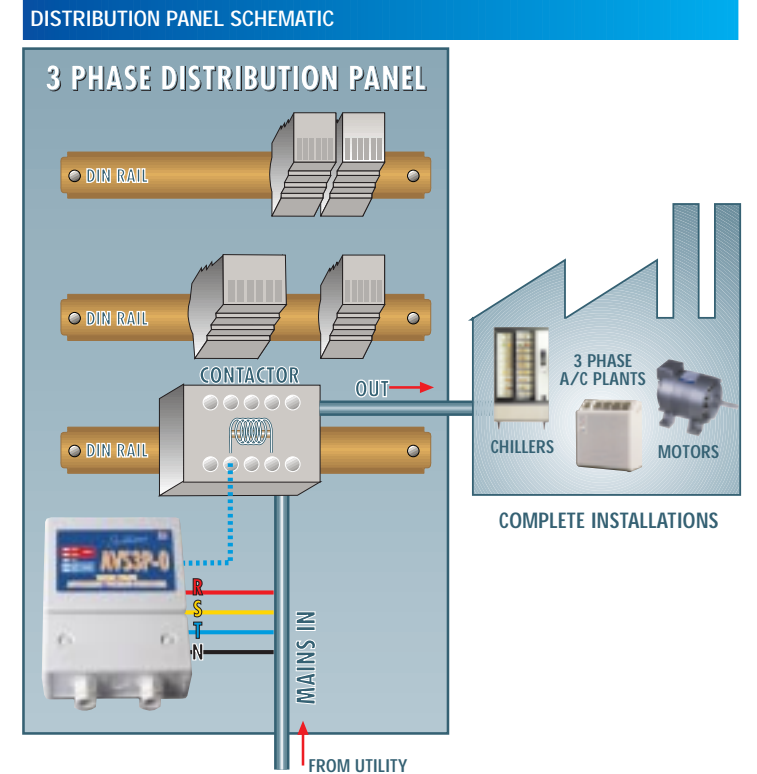
The AVS achieves this level of complete protection through disconnection of the load from the harmful mains and then re-connects the load once the mains is deemed to be stable and acceptable to the load.



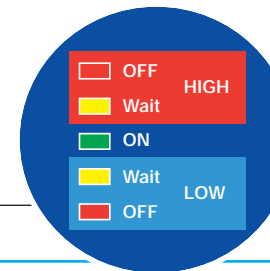
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In addition to the basic protection modes delivered by any single phase AVS, the AVS3P-0 is designed to provide further functionality tailored to three phase plant and machinery. These are:

- Microprocessor controlled with the required intelligence helping to analyse the mains and the load and provide optimum protection.
- Independent protection on individual phases.
- Intelligent time delay before re-connection which takes Off time into consideration minimising down time for equipment.
- User friendly limit adjustment for high and low voltage thresholds. Also provides disable facility for either protection.
- User friendly wait time adjustment.
- Intelligent blind time allowing heavy loads to start-up without interruption to load.
- Un-committed changeover relay output providing normally open and closed contacts rated at 16A that can be used to drive external alarms, contactors and loads.
- Five LEDs accurately displaying the status of the AVS in a symmetrical Traffic Light design.
- Fused inputs with fuses conveniently placed in the terminal compartment.
- High energy spike and lightning noise protection.
- Wall mount unit in a smart plastic enclosure.
- Very low cost.

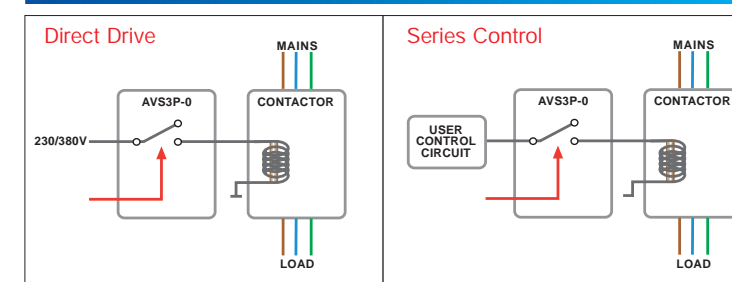


Five LEDs accurately display the status of the AVS in the following symmetrical traffic light design:

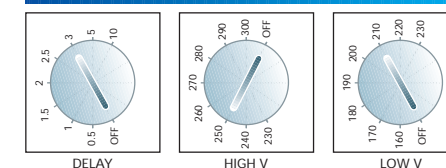


LED Colour	Indicating	Load Status
Red	High incoming voltage	OFF
Yellow	AVS is in wait state after a high voltage transition	OFF
Green	Mains normal	ON
Yellow	AVS is in wait state after a high voltage transition	OFF
Red	Low incoming voltage	OFF

CONNECTION METHOD



USER CONFIGURABLE CONTROLS



SPECIFICATIONS	AVS3P-0
Nominal Input Voltage	230/400V or 115/200V
Frequency	50/60 Hz
Load Current	16A @ 250V AC 9A @ 440V AC
Max consumption:	35VA
Wait Time:	User variable, from 0-10 mins, in increments of 30 secs
Maximum Switching Delay (Time Delay) on:	
Over-Voltage (Amber to red or green to red)	1/3 of one cycle
Under-Voltage (Amber to red) (Green to red)	1/3 of one cycle Can be made down to 1/3 of one cycle but normally supplied as 100ms
Window Limits	Adjustable
Max supply (Phase to neutral)	280/485V (for 230/400V) 140/243V (for 115/200V)
Hysteresis	4volts
Warranty	2 years
Packed weight	600 gms
Packed dimensions	205x135x54mm



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