

THE THREE PHASE VS is made up of three single phase regulator units. Each of these monitors its own output voltage and adjusts for variations in mains supply voltage so as to maintain an output voltage within close limits. The three phase VSs all boast the same input voltage range as standard of -30% to +22%, making it ideal for all applications where voltage supply is erratic.

The following specs are available to order:

- 20,35,50 and 75 amps per phase
- 115/220V and 230/400V Nominal voltage

THE THREE PHASE VS has been designed to provide a clean, regulated AC power supply to all equipment in environments with unreliable, fluctuating mains supply.

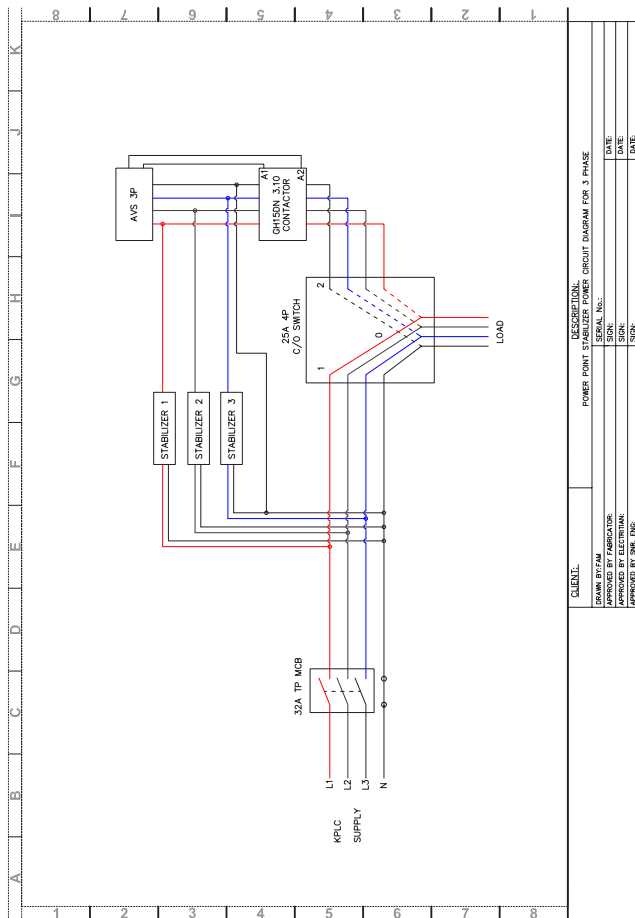


outside view

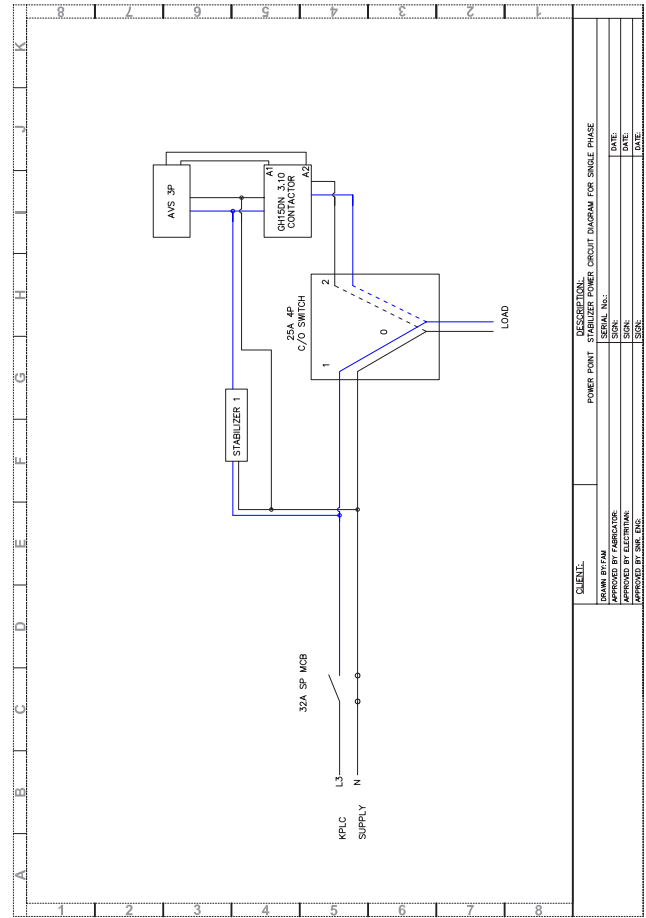


inside view

STABILISER POWER CIRCUIT DIAGRAM FOR 3 PHASE



STABILISER POWER CIRCUIT DIAGRAM FOR SINGLE PHASE



OPTIONS AVAILABLE

1) Automatic Voltage Switcher Option

This option consists of an AVS that disconnects the mains when Voltage is 'BAD' and re-connects it automatically when voltage returns to 'GOOD'. Using this principle, the AVS monitors the output of the VS. If the VS cannot correct the voltage sufficiently e.g during extremely high or low fluctuation then the AVS will disconnect the output and provide the added protection to the appliance. When the VS's output is acceptable, the AVS will monitor the supply for 1 minute to ensure stability and then will reconnect the mains.

2) Distribution surge Protector Option

This option will provide a high level of protection from lightning induced voltage surges on the mains supply.

3) RFI Filter Option for VS 3 phase

Sensitive electronic equipment, are at risk from damage due Surges, spikes and RFI(Radio frequency Interference). Such electrical surges causes equipment to be damaged or malfunction. RFI and Noise comes from equipments such as central heating pumps, lifts, air conditioners, vacuum cleaners, fluorescent lamps, computers and photocopiers. This RFI option removes noise and RFI from the mains.

4) Isolating Transformer

This Option can be used in area of accentuated noise problems on the lines. The 3 Phase VS can be ordered with D-Y isolation transformer as an option. The option will be supplied fully intergrated and pre-wired..

AVS3P

Protection against (on any or all phases):

- * High voltage
- * Low voltage
- * Spikes/surges
- * Power-back surges
- * Any two phases shorting together

Description

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 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 has a volt-free changeover contact as an output.



Product Specification

Max Power: Controls an external 3 phase controller or contactor of any size

Wait Time; Adjustable from 10 seconds to 10 minutes

Ideal For: 3 phase air conditioning, industrial refrigeration and industrial plants and machinery.

Weight : 500gm

Model		AVS30	AVS3P-0
Current rating		30 Amps	16A single output
Mains surge/spike response time		<10ns	<10ns
Mains max spike/surge discharge		6.5kA	6.5kA
Frequency		50/60Hz	50/60Hz
Spike protection		160J	160J
Mains disconnect response time	Over-voltage Under-voltage	20ms 1.0 sec	0.5 sec 1.0 sec
Reconnect wait		10sec to 10 min (adjustable)	10sec to 10 min (adjustable)
Over voltage disconnect	230V 110V	265V (230-300V adjustable) 130V (115 -150V adjustable)	265V (230-300V adjustable) 130V (115 -150V adjustable)
Under voltage disconnect	230V 110V	190V (150 -230V adjustable) 95V (75-115V adjustable)	190V (150 -230V adjustable) 95V (75-115V adjustable)
Dimensions	Unpacked Packed	232 x 134 x 53 mm	185 x 132 x 53 mm 232 x 134 x 53 mm
Socket availability		Direct wiring	Direct wiring
High voltage hysteresis		3V	3V
Low voltage hysteresis		7V	7V