

VOLTSTAB AUTOMATIC VOLTAGE STABILISERS - 4R

500VA

VoltStab stabilisers offer robust, maintenance free protection for loads that can suffer erratic operation or be damaged by mains power sags, surges and brownouts.

**APPLICATIONS**

AVS range (Relay based switching) for inductive loads:

- Fridges and freezers
- Air conditioners and dehumidifiers
- Central heating pumps
- Photocopiers

OPERATION

The built-in processor monitors the incoming mains supply and automatically selects a tap configuration to meet stabilisation and output voltage set points. If the mains supply falls outside pre-set upper or lower voltage limits, VoltStab automatically cuts out to protect the connected load. The stabiliser automatically restarts when the mains supply returns to within the pre-set nominal band.

FEATURES

- Auto transformer with microprocessor controlled no-break output voltage
- Low installation, heat output and running costs - maintenance free
- High Mean Time Between Failure (MTBF)
- Auto restart on mains return to within pre-programmed set-points.
- Start up delay to prevent damage to inductive loads - such as air conditioners, fridges and freezers
- Overload protection - MCB
- Wide input voltage range
- High output correction accuracy
- Fast response time
- Field replaceable PCB
- Easy to install
- Test Report: CATR.A.92071 (1988). Meets WHO/UNICEF Standard E7/VR.1.

OPTIONS

- Mains voltage and frequency to suit geographic characteristics
- Mains plug and output sockets to suit local needs
- Transient Voltage Surge Suppressor (TVSS) for remote, hostile environments
- Factory programmable set-points including: mains voltage, frequency, switch on time delay and tap voltage limit operation

Models	AVS 500/4R
Rated input voltage	220Vac*
Input voltage range	145-270Vac, max 450V
Continuous Power	500VA
Output voltage (range)	220Vac (198-255Vac)
Correction speed	>1250Vac per second
Output frequency	50/60Hz mains tracking
Efficiency %	97
Operating temperature	0-40°C, convection cooled
Front panel	Mains present and output neons
Overload protection	Input breaker, cut-out delay 2s, Switch on delay approx 7m
Input supply connections	Mains lead with local plug
Output load connections	1 socket
Safety Standards	CE marked, EN60742, EN60950
Metal case rating	IP21
Case colour	RAL7035

* Other voltage configurations on application

Model No	Power [^]	Dimensions WxDxHmm	Weight (kg)
AVS 500/4R	500VA	190 x 260x 160	8.5

[^] Units are rated at unity power factor, VA=Watts