

Features

- Two selectable input sensing voltage ranges.
- Volts per Hz characteristic to protect prime movers on large step loads.
- Field current overload sensing and shutdown.
- Remote adjustment facilities.
- On board field output fuse.
- Open PC board construction for economic repairability.
- Improved reliability by use of PC board plated through hole and underrated component selection.
- Practical adjustment range for each voltage level.
- Field excitation powered from the sensing voltage input.
- On board potentiometers for :-
 - Voltage.
 - Stability coarse and fine.
 - Underspeed / voltage droop point.
 - Field excitation overload.

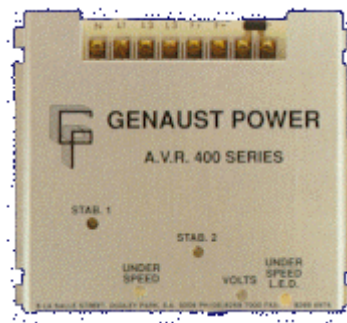
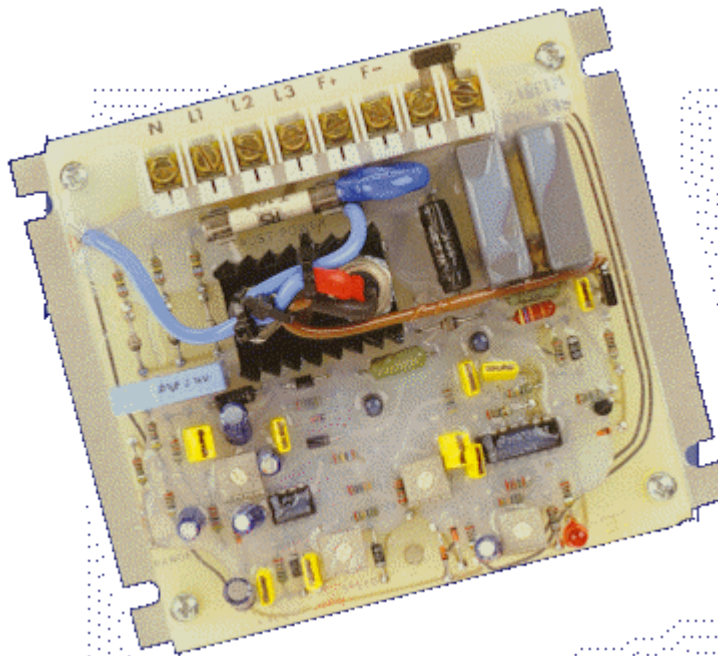
GENAUST POWER & WATER

*The Smart
Australian Choice*

Automatic Voltage Regulator

Model AVR 400

This solid state device designed to control the output voltage of 50 or 60 Hz. AC alternators and ensure a stable voltage output is maintained under all load conditions. Directly replaces the Dunlite SR101A but will also electrically replace almost all known voltage regulators. It is suitable for both 3 ϕ and 1 ϕ machines with or without separate excitation and is especially good on 1 ϕ machines in reducing light flicker due to its increased stability adjustment range.

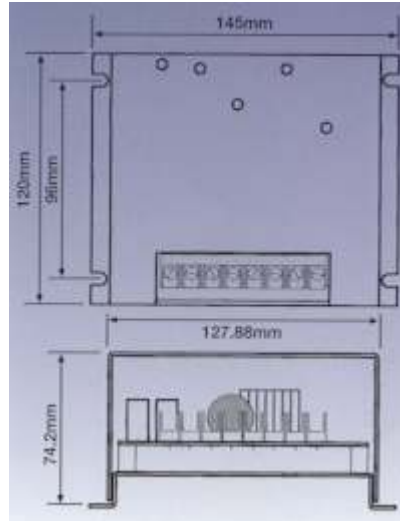


Electrical

Specifications

- Voltage sensing ranges 120,208 and 240 to 415Vac.
- Voltage sensing frequency 50 or 60Hz.
- On board voltage adjustment range + - 10% of each range.
- Maximum field current 10A.
- Maximum field voltage 212Vdc.
- Field excitation switching SCR 50A 1600V.
- Regulation + - 1%, with engine governing to class A ISO3046.
- Underspeed adjustment range 10 - 55Hz.
- Underspeed shutdown time delay 15 - 20secs approximately.
- Minimum residual voltage for reliable excitation 3/5 volts.
- Minimum field resistance required 3/5 ohms.
- Remote adjustment potentiometer 5K ohms 2W.

**Note : Specifications
can change without
notice.**



Mechanical Specifications

Weight 0.4kg.

Operating Environment

Temperature

-10°C to +70°C.

Vibration

4gs. from 20 - 500 Hz

Shock

1M drop test

Mounting

Folded aluminium surface mount case.

