

Features

- Transformer isolated voltage sensing input
- Voltage sensing input.
- Volts per Hz characteristic to protect prime movers on large step loads
- Field current overload sensing and shutdown.
- Remote adjustment facilities.
- Open PC board construction for economic repairability.
- Improved reliability by use of PC board plated through hole and underrated component selection.
- Practical voltage adjustment range.
- Field excitation powered from the sensing voltage input
- Suitable for use with permanent magnetic excitation.
- On board potentiometers for :-
 - Voltage.
 - Stability coarse and fine
 - Underspeed / voltage droop point.
 - Field excitation overload.
- Quad droop input facilities.
- Increased stability range to overcome light flicker on 1 ϕ machines.

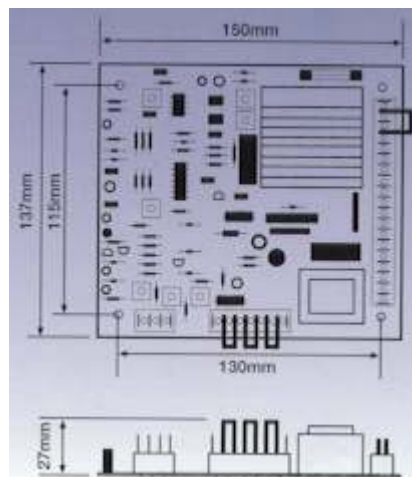
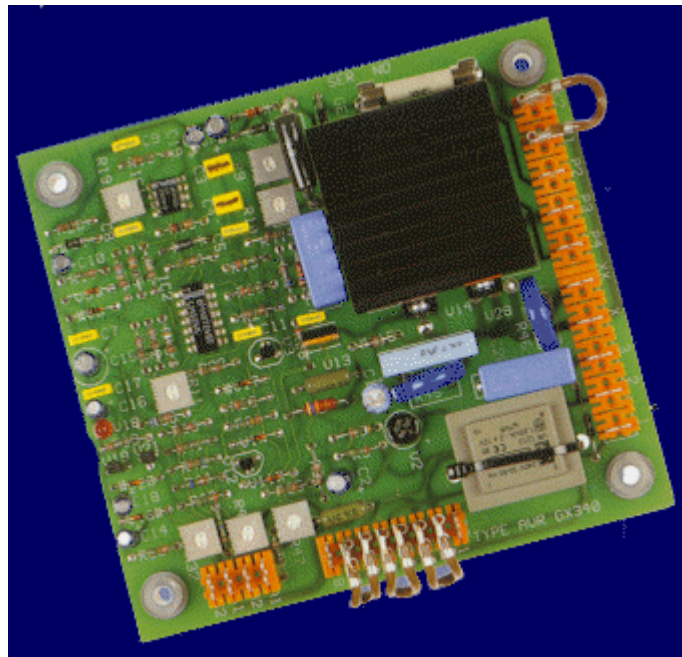
GENAUST POWER & WATER



Automatic Voltage Regulator

Model GX340

The GX340 is a solid state device designed to give accurate and stable voltage regulation of AC alternators regardless of prime mover types and ensures a stable voltage output is maintained under all load conditions. Directly replaces the Stamford Series 3 and 4 Regulators 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. Parallel operation of machines is also possible with this device with only the addition of a quad droop input signal.



Electrical

Specifications

- Voltage sensing range 170 to 280Vac.
- Voltage sensing frequency 50 or 60Hz.
- On board voltage adjustment range + - 10%.
- Maximum field current 10A.
- Maximum field voltage 140Vdc.
- Field excitation switching SCR 25A 1000V
- Regulation + - 1%, with engine governing to class A ISO3046.
- Underspeed adjustment range 10 - 110Hz
- 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.
- Quad droop input requirements 5A 10va.

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

Mechanical Specifications

Weight 0.33kg.

Operating Environment

Temperature

-10°C to +70°C.

Vibration

4gs. from 20 - 500 Hz

Shock

1M drop test

Mounting

Open PC board for internal machine or switchboard mounting

