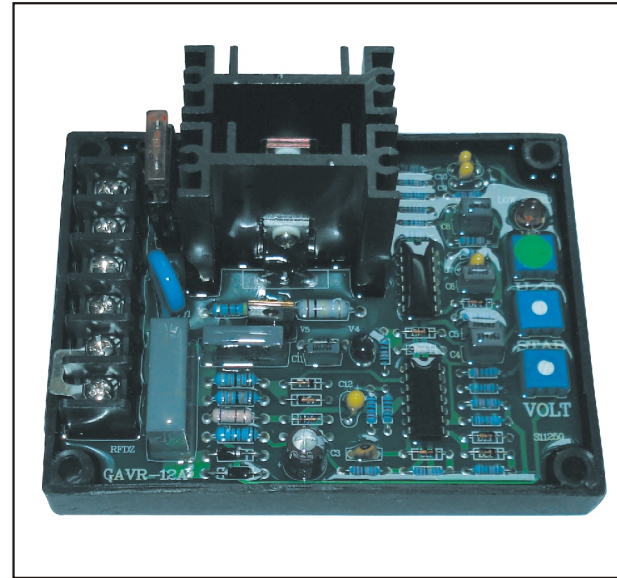


GAVR-12A

Universal 7 Amp 1/2 Wave Self Excited
Dip-Switch Programmable Automatic
Voltage Regulator

Features

- $\pm 1\%$ Regulation
- 220/440 VAC Programmable Input
- Rugged Compact Design
- With Under Frequency Protection
- Soft Start Voltage Ramping
- EMI Suppression
- Built-in High Capacity 10Amp Fuse



Specifications

| | | | |
|------------------------------|------------------------------------|--|--|
| Sensing Input Voltage | 180~260VAC, 1phase2wire | Voltage Build-up | Residual volts at AVR terminal > 5VAC |
| Power Input Voltage | 180~260VAC, 1phase2wire | External Volts Adjustment | $\pm 7\%$ with 1K Ω 1 watt trimmer |
| Output Voltage | Max. 90VDC @ 240VAC input | Soft Start Ramp Time | 2sec. |
| | Current | Continuous 4A | Unit Power Dissipation |
| | Intermittent 7A for 10SEE. | EMI Suppression | Internal Electromagnetic Interference Filtering |
| Resistance | Min. 12 Ω Max. 100 Ω | Thermal Drift | 0.03% per $^{\circ}\text{C}$ change in AVR ambient |
| | | Under Frequency Protection (Factory Settings) | 60Hz system presets knee point at 55Hz 50Hz system presets knee point at 45Hz |

Volts Regulation $\pm 1\%$ (with 4% engine governing)

Environment

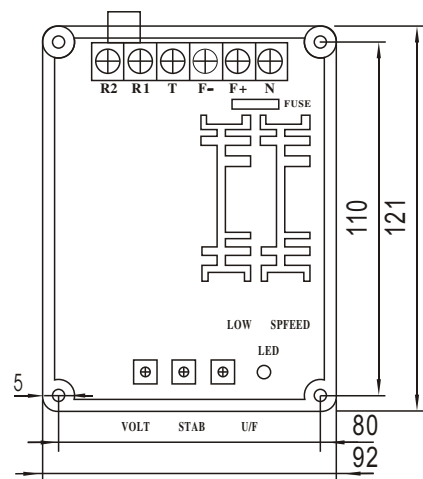
Vibration 3G @ 100~2K Hz

Relative Humidity <math>< 95\%</math>

Operating Temperature -40~65 $^{\circ}\text{C}$

Storage Temperature -40~85 $^{\circ}\text{C}$

Mechanical Specifications



AVR Controls

- Volts** Voltage Adjustment
- STAB** Stability Adjustment
- U/F** To Set the U/F *Knee Point
- *U/F: Under Frequency Protection

Physical Specifications

Dimensions 121.0(L) 92.0(W) 60.0(H) mm

