

GAVR-20A

Universal 20 Amp 1/2 Wave Self Excited Dip-Switch Programmable Automatic Voltage Regulator

Features

- $< \pm 0.5\%$ Regulation
- 220/400 VAC Programmable Input
- Rugged Compact Design
- With Under Frequency Protection
- Soft Start Voltage Ramping
- EMI Suppression
- Built-in High Capacity 20Amp Fuse



Specifications

Sensing Input Voltage	220/400VAC, 1 phase 2 wire	Voltage Build-up	Residual volts at AVR terminal > 5VAC
Power Input Voltage	180~240VAC, 1 phase 2 wire	External Volts Adjustment	$\pm 7\%$ with 1K Ω 1 watt trimmer
Output Voltage	Max. 90VDC @ 240VAC input	Soft Start Ramp Time	3sec.
Output Current	Continuous 15A Intermittent 20 A for 10SE.	Unit Power Dissipation	Max. 8Watt
Resistance	Min. 10 Ω Max. 100 Ω	EMI Suppression	Internal Electromagnetic Interference Filtering
		Thermal Drift	0.05% per $^{\circ}\text{C}$ change in AVR ambient
		Under Frequency Protection (Factory Settings)	60Hz system presets knee point at 57Hz 50Hz system presets knee point at 47Hz

Volts Regulation $< \pm 0.5\%$ (with 4% engine governing)

Environment

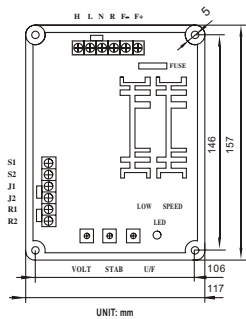
Vibration 3G @ 100~2K Hz

Relative Humidity $< 95\%$

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

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

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 157.0(L) 117.0(W) 70.0(H) mm

