

# GAVR-8A

Universal 8 Amp 1/2 Wave Self Excited  
Dip-Switch Programmable Automatic  
Voltage Regulator

## Features

- <math>\pm 1\%</math> Regulation
- 110/220/400 VAC Programmable Input
- Rugged Compact Design
- With Under Frequency Protection
- Soft Start Voltage Ramping
- EMI Suppression
- Built-in High Capacity 8Amp Fuse



## Specifications

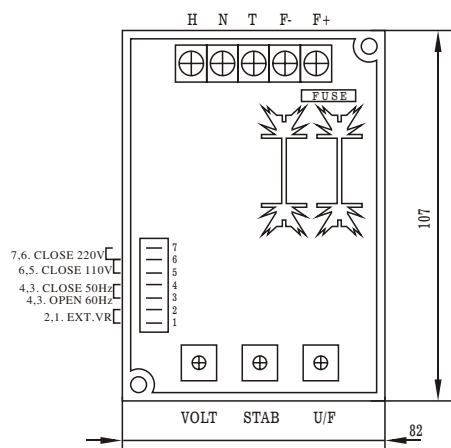
<b>Sensing Input Voltage</b>	110/220/400VAC, 1phase2wire	<b>Voltage Build-up</b>	Residual volts at AVR terminal > 5VAC
<b>Power Input Voltage</b>	100~260VAC, 1phase2wire	<b>External Volts Adjustment</b>	$\pm 7\%$ with 1K $\Omega$ 1watt trimmer
<b>Output Voltage</b>	Max. 90VDC @ 240VAC input	<b>Soft Start Ramp Time</b>	2sec.
<b>Output Current</b>	Continuous 3A Intermittent 5A for 10SEE.	<b>Unit Power Dissipation</b>	Max. 8Watt
<b>Output Resistance</b>	Min. 15 $\Omega$ Max. 100 $\Omega$	<b>EMI Suppression</b>	Internal Electromagnetic Interference Filtering
		<b>Thermal Drift</b>	0.03% per $^{\circ}\text{C}$ change in AVR ambient
		<b>Under Frequency Protection (Factory Settings)</b>	60Hz system presets knee point at 55Hz 50Hz system presets knee point at 45Hz

**Volts Regulation** <math>\pm 1\%</math> (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 107.0(L) 82.0(W) 50.0(H) mm

