

# GAVR-15A

Universal 15 Amp 1/2 Wave Self Excited  
Dip-Switch Programmable Automatic  
Voltage Regulator

## Features

- <math>\pm 0.5\%</math> Regulation
- 220/400 VAC Programmable Input
- Rugged Compact Design
- With Under Frequency Protection
- Soft Start Voltage Ramping
- EMI Suppression
- Built-in High Capacity 15Amp Fuse



## Specifications

<b>Sensing Input</b>	Voltage 220/400VAC, 1phase2wire	<b>Voltage Build-up</b>	Residual volts at AVR terminal > 5VAC
<b>Power Input</b>	Voltage 180~240VAC, 1phase2wire	<b>External Volts Adjustment</b>	$\pm 7\%$ with 1K $\Omega$ 1watt trimmer
<b>Output</b>	Voltage Max. 90VDC @ 240VAC input	<b>Soft Start Ramp Time</b>	3sec.
	Current Continuous 6A	<b>Unit Power Dissipation</b>	Max. 8Watt
	Intermittent 12A for 10SEE.	<b>EMI Suppression</b>	Internal Electromagnetic Interference Filtering
Resistance	Min. 10 $\Omega$ Max. 100 $\Omega$	<b>Thermal Drift</b>	0.05% per $^{\circ}\text{C}$ change in AVR ambient
		<b>Under Frequency Protection</b>	60Hz system presets knee point at 57Hz
		<b>(Factory Settings)</b>	50Hz system presets knee point at 47Hz

**Volts Regulation** <math>\pm 0.5\%</math> (with 4% engine governing)

## Environment

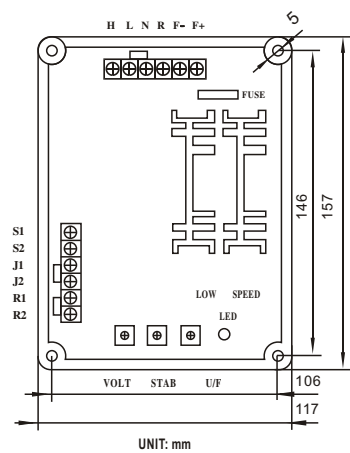
Vibration 3G @ 100~2K Hz

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

