

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

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

## Environment

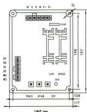
Vibration 3G@100-2K Hz

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

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

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

## Mechanical Specifications



## AVR Controls

VOLTS Voltage Adjustment

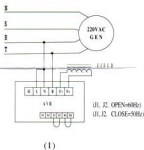
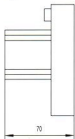
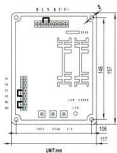
STAB Stability Adjustment

U/F To Set the U/F\* Knee Point

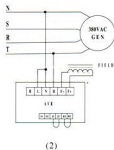
\*U/F: Under Frequency Protection

## Physical Specifications

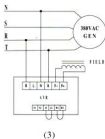
Dimensions 157.0(L)x117.0(W)x70.0(H)mm



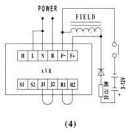
(1)



(2)



(3)



(4)