

# GAVR-15A

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

## Features

- <±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 15Amp Fuse



## Specifications

|                      |            |                                    |                                   |                                                 |
|----------------------|------------|------------------------------------|-----------------------------------|-------------------------------------------------|
| <b>Sensing Input</b> | Voltage    | 220/400VAC, 1phase 2wire           | <b>Voltage Build-up</b>           | Residual volts at AVR terminal > 5VAC           |
| <b>Power Input</b>   | Voltage    | 180~240VAC, 1phase 2wire           | <b>External Volts Adjustment</b>  | ± 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 °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** < ±0.5% (with 4% engine governing)

## Environment

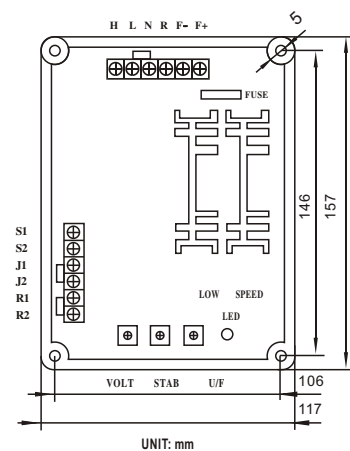
Vibration 3G @ 100~2K Hz

Relative Humidity < 95%

Operating Temperature -40~65°C

Storage Temperature -40~85°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) x 117.0(W) x 70.0(H) mm

