

GAVR-15A

Universal 15 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 15Amp Fuse



Specifications

Sensing Input Voltage 220/400VAC, I phase 2 wire

Power Input Voltage 180-240VAC, I phase 2 wire

Output **Voltage** Max. 90VDC @ 240VAC input

Current Continuous 6A

Intermittent 12A for 10SEE.

Resistance Min. 10Ω Max. 100Ω

Voltage Build-up

Residual volts at AVR terminal $> 5VAC$

External Volts Adjustment

$\pm 7\%$ with 1 KΩ 1 watt trimmer

Soft Start Ramp Time

3sec.

Unit Power Dissipation

Max. 8Watt

EMI Suppression

Internal Electromagnetic Interference Filtering

Thermal Drift

0.05% per $^{\circ}C$ change in AVR ambient

Under Frequency Protection

60Hz system presets knee point at 57HZ

(Factory Settings)

50Hz system presets knee point at 47HZ

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

Environment

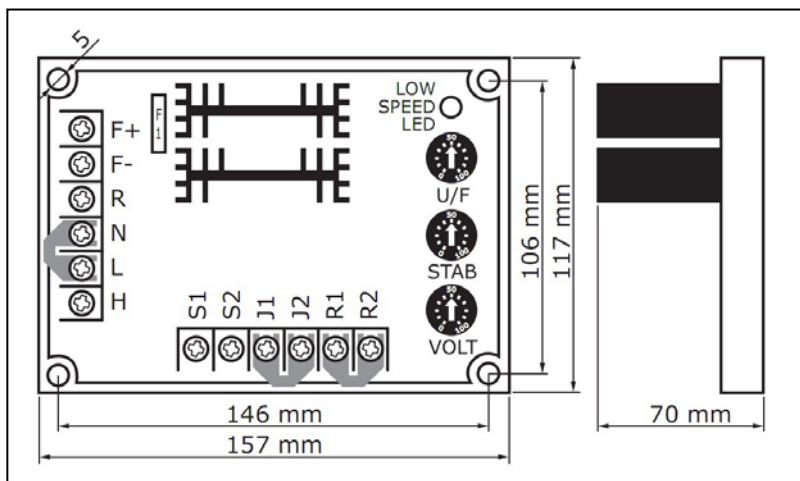
Vibration 3G @ 100-2K Hz

Relative Humidity $< 95\%$

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

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

Mechanical Specifications



AVR Controls

VOLTS Voltage Adjustment

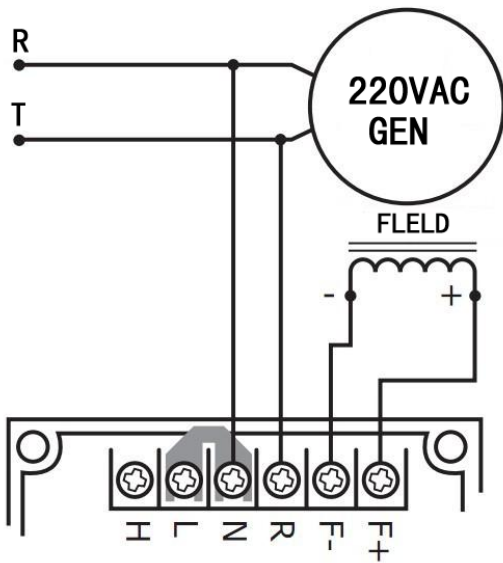
STAB Stability Adjustment

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

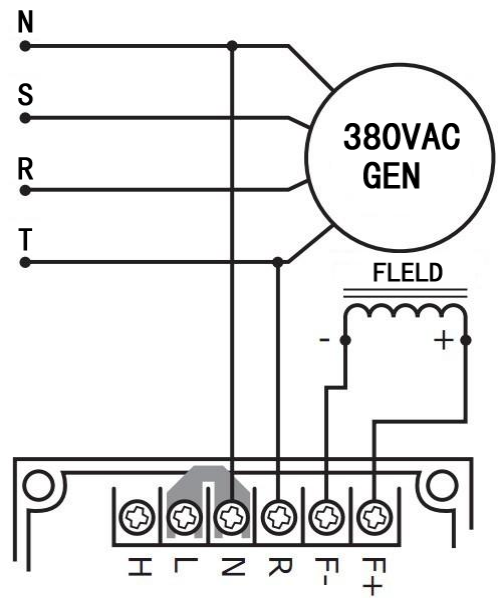
*U/F: Under Frequency Protection

Physical Specifications

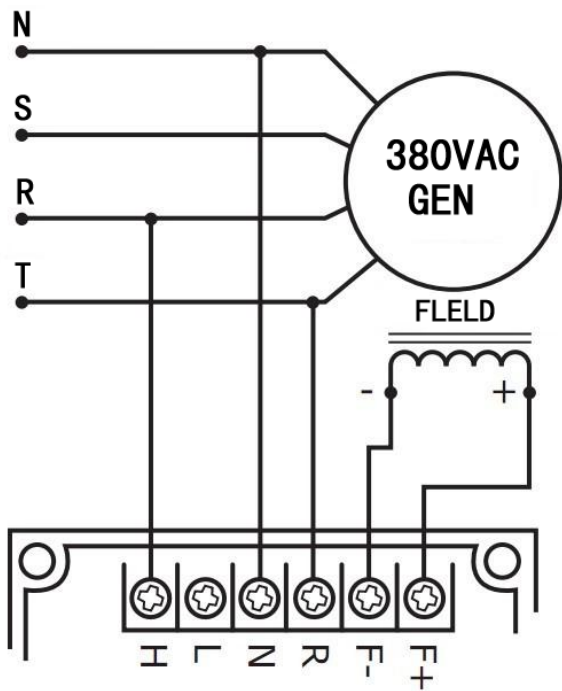
Dimensions: 157.0(L) 117.0(W) 70.0(H) mm



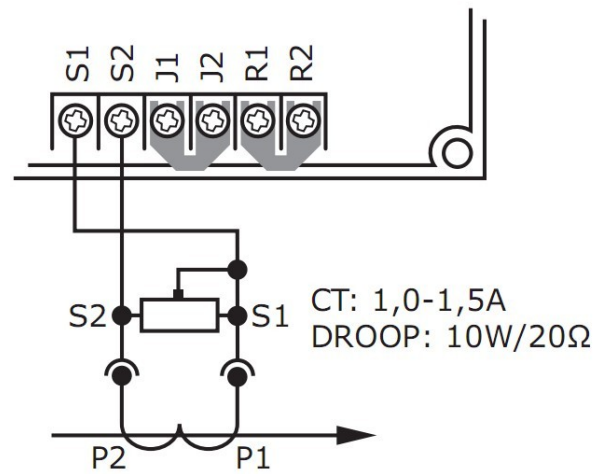
(1)



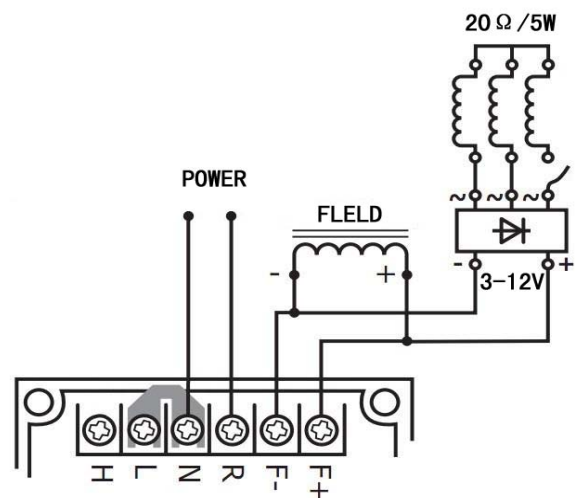
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