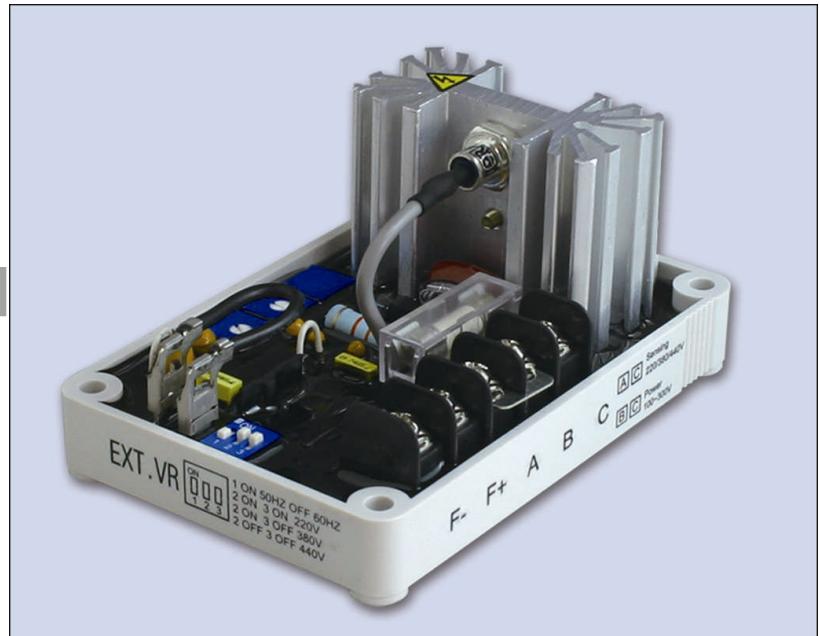


EA05T

Universal 5 Amp 1/2 Wave Self Excited Dip-Switch Programmable Automatic Voltage Regulator

Features

- $< \pm 0.5\%$ Regulation
- 220 / 380 / 440 VAC Programmable Input
- Rugged Compact Design
- With Under Frequency Protection
- Soft Start Voltage Ramping
- EMI Suppression
- Built-in High Capacity 5 Amp Fuse



Specifications

Sensing Input	Voltage	220 / 380 / 440 VAC, 1 phase 2 wire	Voltage Build-up	Residual volts at AVR terminal > 5 VAC
		DIP switch selectable	External Volts Adjustment	7% with 1K Ω 1 watt trimmer
	Frequency	50 / 60 Hz, DIP switch selectable	Soft Start Ramp Time	2 sec.
Power Input	Voltage	40 ~ 300 VAC, 1 phase 2 wire	Unit Power Dissipation	Max. 8 watt
Output	Voltage	Max. 90 VDC @ 240 VAC input	EMI Suppression	Internal Electromagnetic Interference Filtering
	Current	Continuous 5A	Thermal Drift	0.03% per $^{\circ}\text{C}$ change in AVR ambient
		Intermittent 7A for 10 sec.	Under Frequency Protection (Factory Settings)	60 Hz system presets knee point at 55 Hz 50 Hz system presets knee point at 45 Hz
	Resistance	Min. 12 Ω , Max. 100 Ω		
Volts Regulation $< \pm 0.5\%$ (with 4% engine governing)				

Environment

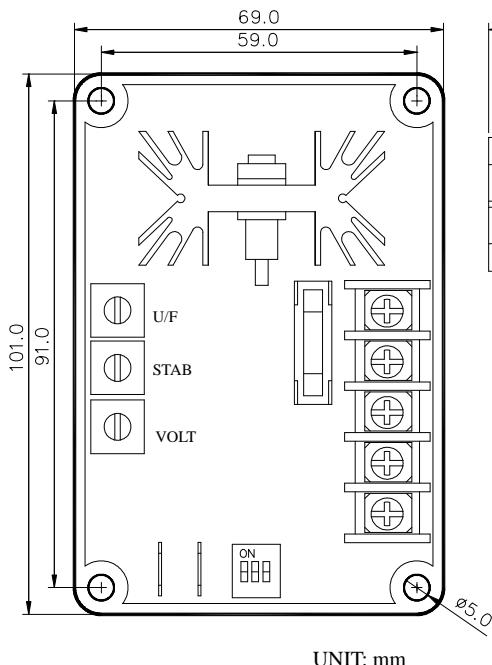
Vibration 3G @ 100 ~ 2K Hz

Relative Humidity $< 95\%$

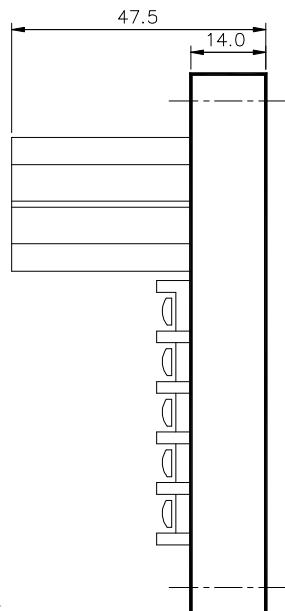
Operating Temperature -40 ~ 70 $^{\circ}\text{C}$

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

Mechanical Specifications



UNIT: mm



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	101.0 (L) x 69.0 (W) x 47.5 (H) mm
Weight	183 g \pm 2%