

EA05A

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	$\pm 7\%$ with 1K Ω 1 watt trimmer
	Frequency	50 / 60 Hz, DIP switch selectable	Soft Start Ramp Time	2 sec.
Power Input	Voltage	100 ~ 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	60 Hz system presets knee point at 55 Hz
	Resistance	Min. 12 Ω , Max. 100 Ω	(Factory Settings)	50 Hz system presets knee point at 45 Hz
Volts Regulation	$< \pm 0.5\%$ (with 4% engine governing)			

Environment

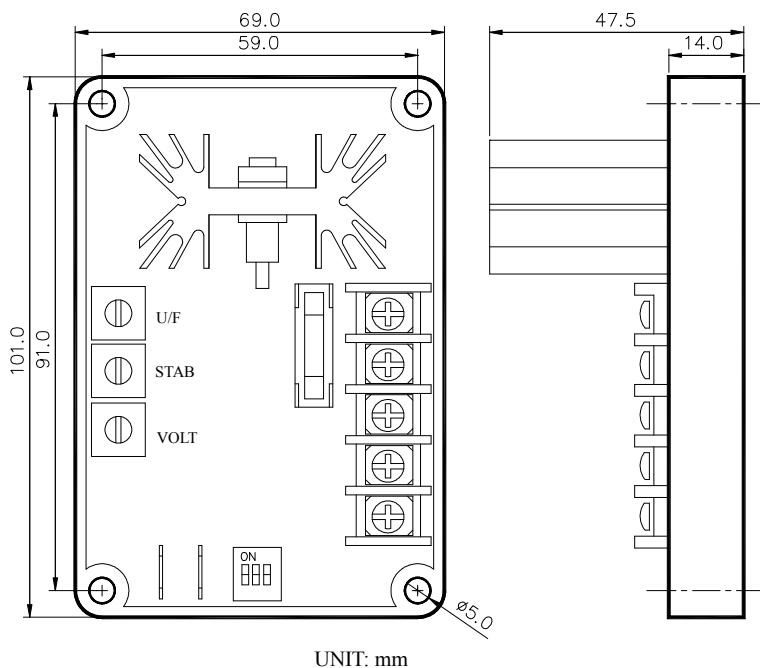
Vibration 3G @ 100 ~ 2K Hz

Relative Humidity $< 95\%$

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

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

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

Please link to <http://www.kutai.com.tw> for detailed manual.