

EA05A

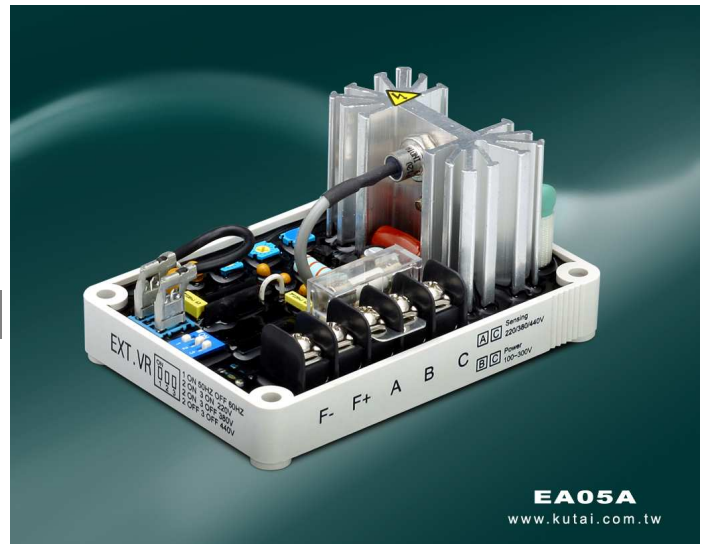
Universal 5 Amp 1/2 Wave Self Excited Dip-Switch Programmable Automatic Voltage Regulator

Compatible with Basler* KR7, Airman* DST-100-2, Markon* 36245, Markon* MD1C, Petrus* 265-06S

*All manufacturer names, numbers, symbols and descriptions are used for reference purpose only and do not imply that any part is the product of these manufacturer.

Features

- Voltage Regulation $\pm 0.5\%$
- 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



Kutai Electronics customize and manufacture **lead free** AVR according to the **RoHS** compliance. For any customized products, there is a MOQ Minimum Ordering Quantity set to meet the basic requirement for developing the customized or lead free AVR. For detail information, please contact us.

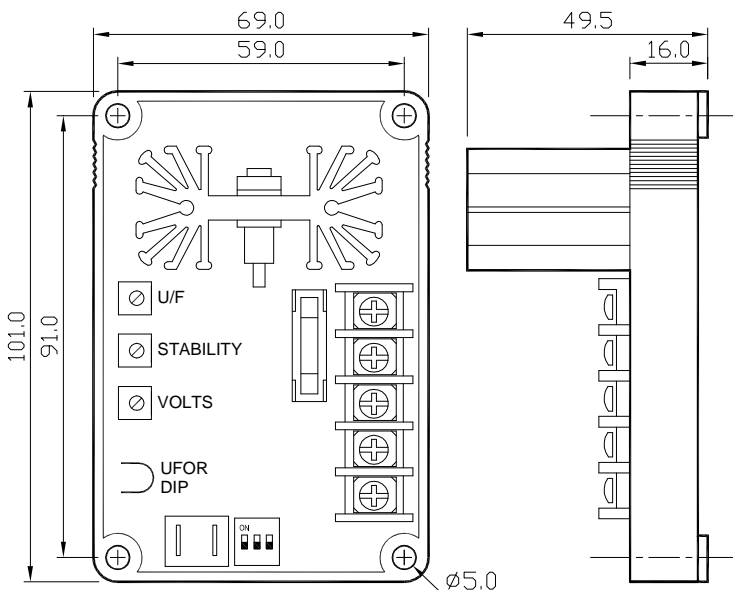
Specifications

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 1 K Ω 1 watt trimmer
	Frequency	50/60 Hz DIP switch selectable	Unit Power Dissipation		Max. 8 watt
Power Input	Voltage	100~300 VAC 1 phase 2 wire		Soft Start Ramp Time	3 sec.
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
	Resistance	Min. 15 Ω Max. 100 Ω	(Factory Settings)	50Hz system presets knee point at 45Hz	
Volts Regulation	$\pm 0.5\%$ (with 4% engine governing)				

Environment

Operation Temperature	-40~70 $^{\circ}\text{C}$	Relative Humidity	Maximum 95%
Storage Temperature	-40~85 $^{\circ}\text{C}$	Vibration	3G @ 100~2 KHz

Mechanical Specifications (Unit : mm)



AVR Control Function

VOLT	Voltage Adjustment
STAB	Stability Adjustment
U/F*1	To Set the U/F Knee Point

*1 U/F : Under Frequency Protection

Physical Specification

Dimensions	101.0 (L) x 69.0 (W) x 49.5 (H) mm
Weight	183 g $\pm 2\%$