

EA440-T

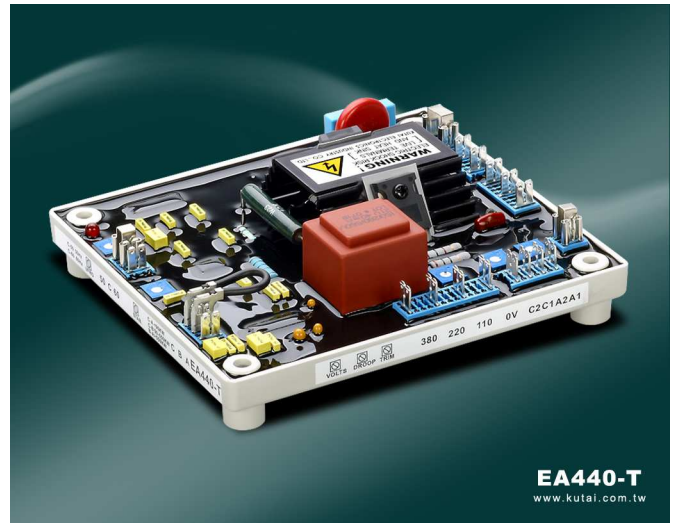
Self Excited Automatic Voltage Regulator

Compatible with Newage* Stamford SX440 regulator

Features

- Voltage regulation < +/- 1%
- Can be used in parallel operation
- Wider sensing input 90-520 Vac
- 50 / 60 Hz selectable by jumper
- Sensing voltage loss protection
- Soft start voltage ramping
- Under frequency LED indicator
- Can be set to suit different power generator by jumper

*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.

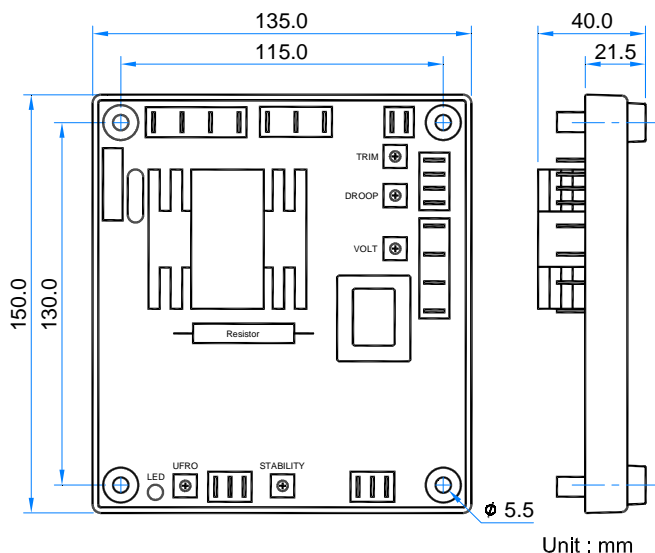


EA440-T
www.kutai.com.tw

Specifications

Sensing Input	Terminal 0-110V = 90-150V	Under Frequency Protection	U/F potentiometer	45-60 Hz	
	Terminal 0-220V = 175-260V		Analogue Input	Max. input	+/- 5 Vdc
	Terminal 0-380V = 350-520V			Sensitivity	1V for 5% generator volts
Power Input	Voltage 100-264 Vac single phase	Input resistance	1K ohm		
Output	Voltage Max. 90 Vdc @ 207 Vac	Drop Input	Burden	10 ohms	
	Current Continuous 4A, Intermittent 10A for 10 sec.		Max. sensitivity	0.07A for 5% droop (PF=0)	
	Resistance Min. 15 ohms		Max. input	0.33A	
Voltage Regulation	< +/- 1% (with 4% engine governing)	Environment	Operation Temperature	-40 - +60 °C	
Build Up Voltage	Residual volts at AVR terminal > 5 Vac		Storage Temperature	-40 - +85 °C	
Thermal Drift	0.05% per °C change in AVR ambient		Relative Humidity	Max. 95%	
Unit Power Dissipation	Max. 12 watts	Vibration	1.5Gs @ 5-30K Hz		
External Volts Adjustment	+/- 8% with 1K ohm 1 watt trimmer		5.0Gs @ 30-500K Hz		

Mechanical Specifications



AVR Control Function

VOLT	Voltage adjustment
STAB	Stability adjustment
UFRO	Setting under frequency protection knee point
DROOP	Droop adjustment
TRIM	Analogue input adjustment
DIP	U/V rate set

Physical Specification

Dimensions	150.0 (L) x 135.0 (W) x 40.0 (H) mm
Weight	489 g +/- 2%



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