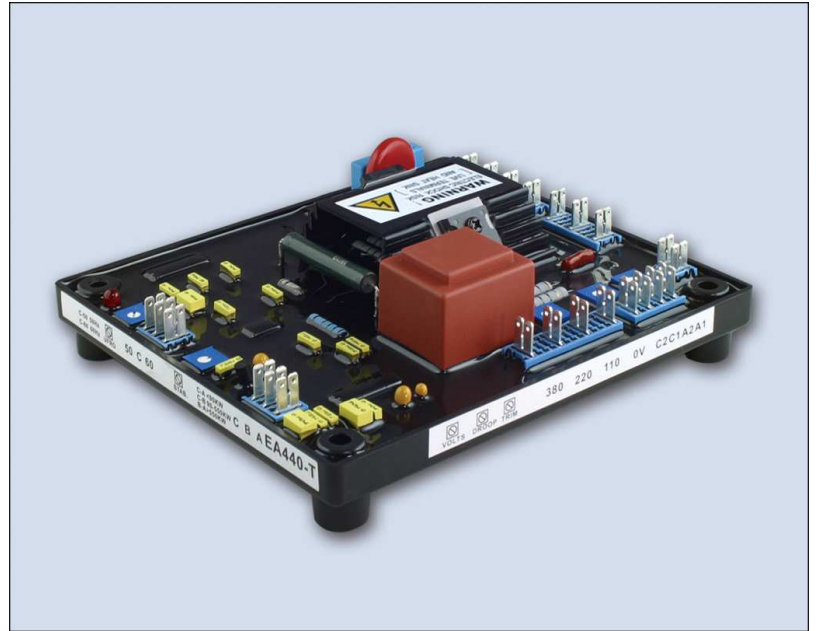


EA440-T

Self Excited Automatic Voltage Regulator Compatible with Newage*SX440

Features

- $< \pm 1\%$ Regulation
- Can Be Use In Parallel Operation
- Wider Sensing Input 90 ~ 520VAC
- 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



*Use for reference purpose only, not genuine Newage product

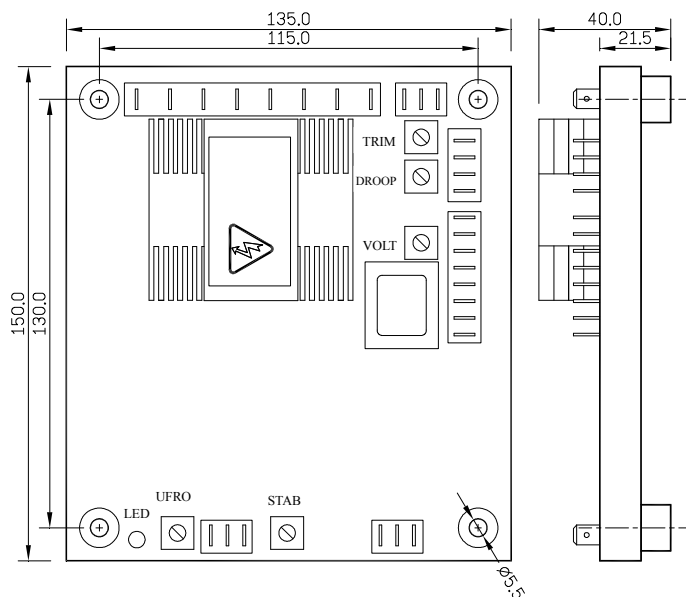
Specifications

Sensing Input	Terminal 0-110V = 90 ~ 150V Terminal 0-220V = 175 ~ 260V Terminal 0-380V = 350 ~ 520V	Under Frequency Protection	U/F Potentiometer 45~60HZ
Power Input	Voltage 100 ~ 264VAC Single Phase	Voltage Regulator	$< \pm 1\%$ (with 4% engine governing)
Output	Voltage Max 90VDC @ 207VAC Current Continuous 4ADC Intermittent 10A for 10 sec	External Volts Adjustment	$\pm 8\%$ @ 1K Ω
Thermal Drift	0.05% per $^{\circ}\text{C}$ change in AVR ambient	Voltage Build-up	Residual volts at AVR terminal > 5 VAC
DROOP Input	Max. input 0.33A Burden 10 Ω 0.07A for 5% droop (PF=0)	EMI Suppression	Internal Electromagnetic Interference Filtering
		Exciter Resistor	DC Resistance 20~100 Ω
		Analogue Input	Max. Input +/-5VDC Input Resistance 1K Ω 1V for 5% generator volts
		Unit Power Dissipation	Max. 12 watt

Environment

Vibration	1.5G @ 5 ~ 30 Hz 5.0G @ 30 ~ 500 Hz	Relative Humidity	$< 95\%$
Operating Temperature	-40 ~ 60 $^{\circ}\text{C}$	Storage Temperature	-40 ~ 85 $^{\circ}\text{C}$

Mechanical Specification



AVR Controls Functions

VOLT	Voltage Adjustment
STAB	Stability Adjustment
U/F	UFRO Knee Point Set
DROOP	Droop Adjustment
TRIM	Analogue Input Adjustment
DIP	U/V Rate Set

Physical Specifications

Dimensions	150.0(L) x 135.0(W) x 40.0(H) mm
Weight	489 g $\pm 2\%$