

# SS460

## Self Excited Automatic Voltage Regulator Compatible with Newage\* SX460

### Features

- $\pm 1.5\%$  Regulation
- Soft Start Voltage Ramping
- Sensing Voltage Loss Protection
- 120 or 240 VAC Sensing, Jumper Selectable
- Under Frequency Roll Off Protection
- With Under Frequency LED Indicator

\* Use for reference purpose only, not a genuine Newage product



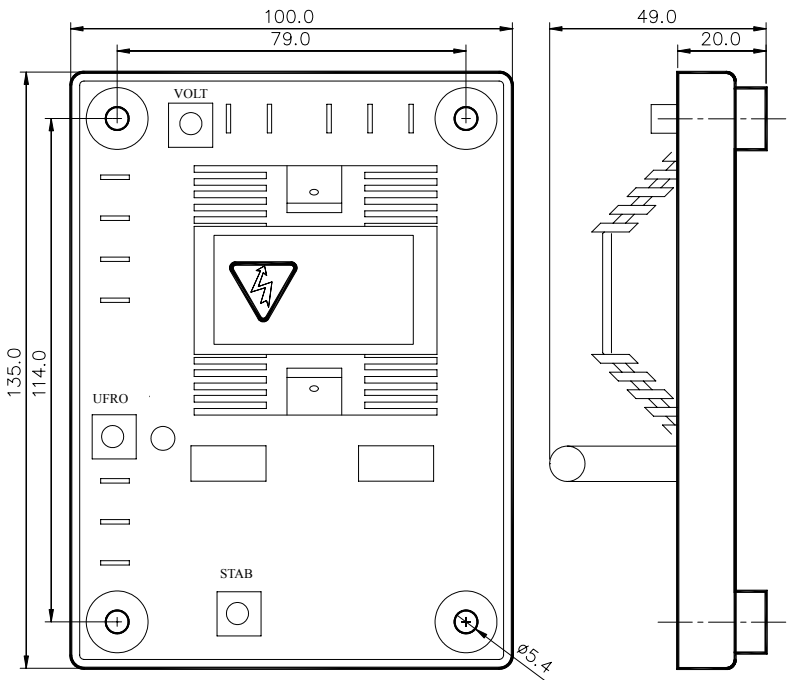
### Specifications

<b>Sensing Input</b>	Voltage	120 (95 ~ 132) or 240 (190 ~ 264)	<b>Voltage Build-up</b>	Residual volts at AVR terminal > 5 VAC
		1 phase 2 wire, jumper selectable	<b>External Volts Adjustment</b>	$\pm 7\%$ with 1K $\Omega$ 1 watt trimmer
	Frequency	50 / 60 Hz, jumper selectable	<b>Unit Power Dissipation</b>	Max. 10 watt
<b>Output</b>	Voltage	Max. 90 VDC @ 207 VAC input	<b>Soft Start Ramp Time</b>	2 sec.
	Current	Continuous 4A Intermittent 10A for 10 sec.	<b>Thermal Drift</b>	0.05% per change in AVR ambient
	Resistance	Min. 15 $\Omega$	<b>Under Frequency Protection (UFRO)</b>	Set 95% Hz (Factory Set) Slope 170% down to 30 Hz
<b>Voltage Regulation</b>	$\pm 1.5\%$ (with 4% engine governing)			

### Environment

<b>Vibration</b>	3.3G @ 100 ~ 2K Hz	<b>Relative Humidity</b>	< 95%
<b>Operating Temperature</b>	-40 ~ 70 $^{\circ}\text{C}$	<b>Storage Temperature</b>	-40 ~ 85 $^{\circ}\text{C}$

### Mechanical Specifications



UNIT: mm

#### AVR Controls Function

VOLTS	Voltage Adjustment
STAB	Stability Adjustment
UFRO	UFRO Knee point Set

#### Physical Specifications

Dimensions	135.0 (L) x 100.0 (W) x 49.0 (H) mm
Weight	243 g $\pm 2\%$