

# EA190-3

## Universal 3 Amp Full Wave Self Excited or Auxiliary Winding Automatic Voltage Regulator

### Features

- <math>\pm 1\%</math> Regulation
- 190VDC Full Wave Rectifier
- Wider Voltage Adjustment Range 95~520VAC
- Use For Auxiliary Winding & Self Excited Generator
- Under Frequency LED Indicator
- Soft Start Voltage Ramping



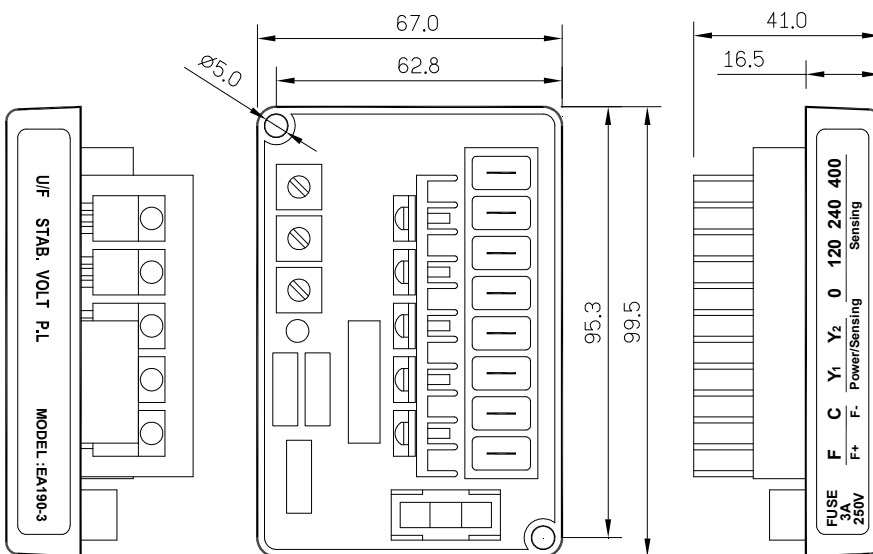
### Specifications

Sensing Input	Terminal 0-110V = 95 ~ 135V	Auxiliary/Sensing Input	175~265VAC
	Terminal 0-240V = 175 ~ 265V	Under Frequency Protection	U/F Range 45~60HZ
	Terminal 0-400V = 340 ~ 515V	Voltage Regulation	<math>< \pm 1\%</math> (with 4% engine governing)
Auxiliary Power Output	Voltage 95~270VAC 3 Phase	External Voltage Adjustment	$\pm 10\%$ @ 1K $\Omega$
	Voltage Max. 190VDC @220VAC	Voltage Build-up	Residual voltage at AVR terminal > 5 VAC
Output	Current Continuous 3A	EMI Suppression	Internal electromagnetic interference filtering
	Intermittent 7A for 10sec.		
	Resistance 20~100 $\Omega$		

### Environment

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

### Mechanical Specifications



#### AVR Controls Functions

VOLT	Voltage Adjustment
STAB	Stability Adjustment
U/F	UFRO Knee point set

#### Physical Specification

Dimension	99.5 (L) x 67.0 (W) x 41.0 (H) mm
Weight	183 g $\pm$ 2%

UNIT: mm