

CF-8A

Universal 8 Amp 1/2 Wave Self Excited
Dip-Switch Programmable Automatic
Voltage Regulator

Features

- $\pm 1\%$ Regulation
- 110/220/400 VAC Programmable Input
- Rugged Compact Design
- With Under Frequency Protection
- Soft Start Voltage Ramping
- EMI Suppression
- Built-in High Capacity 8Amp Fuse



Specifications

Sensing Input	Voltage	110/220/400VAC, 1phase2wire	Voltage Build-up	Residual volts at AVR terminal >5VAC
Power Input	Voltage	100~260VAC, 1phase2wire	External Volts Adjustment	$\pm 7\%$ with 1K Ω 1watt trimmer
Output	Voltage	Max. 90VDC @ 240VAC input	Soft Start Ramp Time	2sec.
	Current	Continuous 3A Intermittent 5A for 10SEE.	Unit Power Dissipation	Max. 8Watt
Resistance	Min. 15 Ω	Max. 100 Ω	EMI Suppression	Internal Electromagnetic Interference Filtering
			Thermal Drift	0.03% per $^{\circ}\text{C}$ change in AVR ambient
			Under Frequency Protection (Factory Settings)	60Hz system presets knee point at 55Hz 50Hz system presets knee point at 45Hz

Volts Regulation $\pm 1\%$ (with 4% engine governing)

Environment

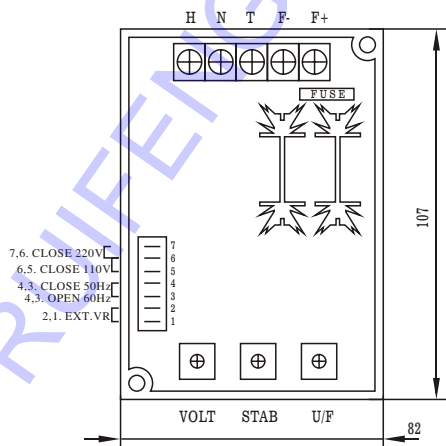
Vibration 3G @ 100~2K Hz

Relative Humidity <math>< 95\%</math>

Operating Temperature -40~65 $^{\circ}\text{C}$

Storage Temperature -40~85 $^{\circ}\text{C}$

Mechanical Specifications



AVR Controls

VOLTS Voltage Adjustment

STAB Stability Adjustment

U/F TO Set the U/F * Knee Point

*U/F: Under Frequency Protection

Physical Specifications

Dimensions 107.0(L) 82.0(W) 50.0(H) mm

