

ADVR-073

Self Excited Automatic Voltage Regulator 7Amp AVR for General Generators

Compatible with Basler KR7, Airman DST-100-2, Markon 36245, Markon MD1C, Petrus 265-06S

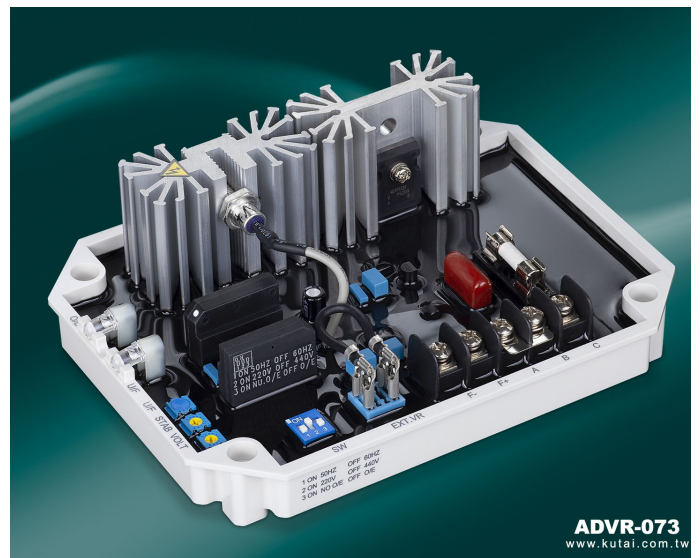
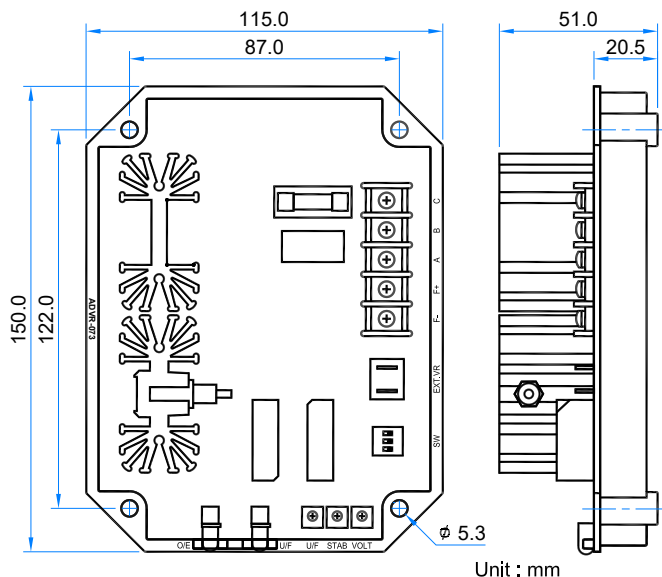
Features

- Voltage regulation less than $\pm 0.5\%$
- 220/380/440/480 Vac programmable input
- Rugged compact design
- With under frequency protection
- Over excitation protection
- Soft start voltage ramping
- EMI suppression
- Built-in high capacity 8Amp fuse

Specifications

Sensing Input	Voltage 170 to 520 Vac 1 phase 2 wire	Soft Start Ramp Time	3 seconds $\pm 10\%$
	Frequency 50/60 Hz DIP switch selectable	EMI Suppression	Internal electromagnetic interference filtering
Power Input	Voltage 100 to 300 Vac 1 phase 2 wire	Static Power Dissipation	Max. 8 watts
Excitation Output	Voltage Max. 63 Vdc Max. 90 Vdc @ power input 220 Vac	Under Frequency Protection (Factory Presets)	
	Current Continuous 7A	50 Hz system presets knee point at 45 Hz	
	Intermittent 15A for 10 seconds	60 Hz system presets knee point at 55 Hz	
Resistance Min. 9 ohms Max. 100 ohms		Over Excitation Protection	
External Voltage Adjustment	Max. $\pm 7\%$ @ 1K ohm 1 watt potentiometer	Set point 78 Vdc $\pm 5\%$ @ power input 220 Vac	
		Time delay 5 seconds. This function can be turned off.	
Voltage Regulation	Less than $\pm 0.5\%$ (with 4% engine governing)	Voltage Thermal Drift	Less than 3% at temperature range
Build Up Voltage	Residual voltage at power input terminal > 5 Vac @ 25 Hz		-40 to $+70$ °C

Dimensions



AVR Control Functions

VOLT	Voltage adjustment
STAB	Stability adjustment
U/F	Setting under frequency protection knee point

Indication LED

O/E LED	Over excitation protection indicator
U/F LED	Under frequency protection indicator

Environment

Operating Temperature	-40 to $+60$ °C
Storage Temperature	-40 to $+85$ °C
Relative Humidity	Max. 95%
Vibration	3.0 Gs @ 100 to 2K Hz

Physical Specifications

Dimensions	150.0 (L) x 115.0 (W) x 51.0 (H) mm
Weight	430 g $\pm 2\%$