

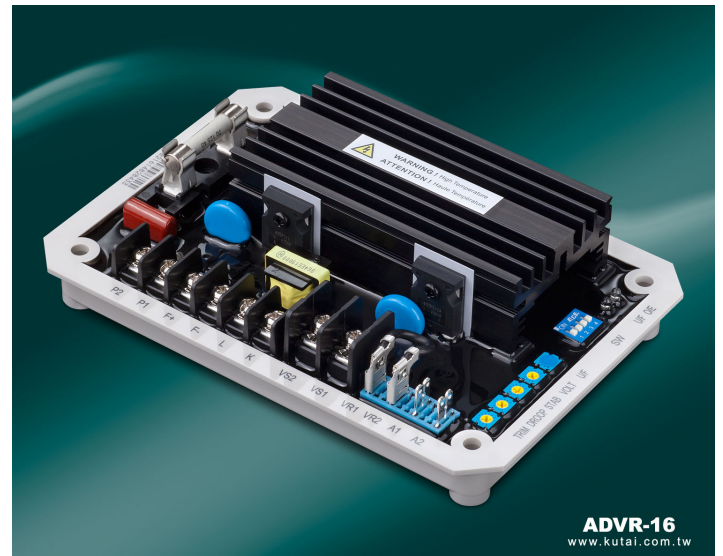
ADVR-16

Universal 16Amp 1/2 Wave Self Excited Automatic Voltage Regulator Can Be Used In Parallel Operation

Compatible with Mecc Alte UVR6, Marelli Motori M40FA640A-MARK I and Caterpillar AVR

Features

- Voltage regulation less than +/-0.5%
- Suitable for brushless type generator sensing input 170 to 510 Vac
- Can be used in parallel operation
- 16 A dc current output
- Suitable frequency 50/60 Hz
- Inverse-time over excitation protection
- O/E over excitation protection
- Under frequency protection & soft start voltage ramping
- Load CT current compensation, analog voltage input

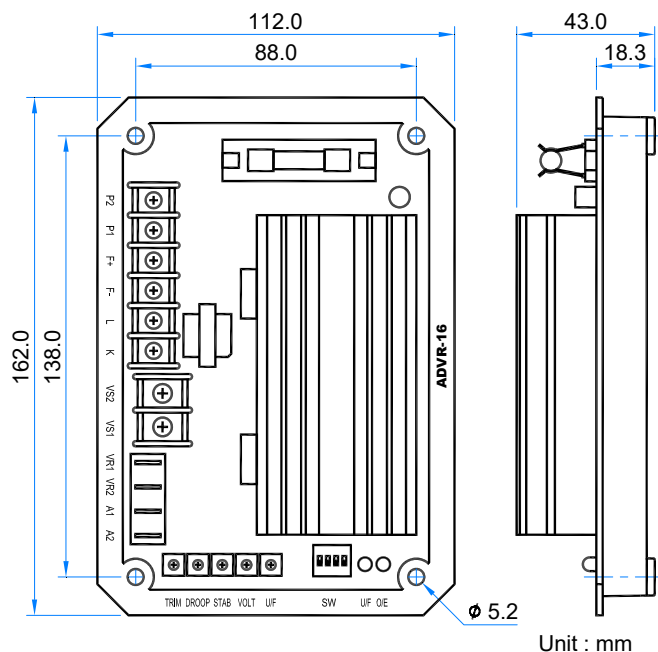


ADVR-16
www.kutai.com.tw

Specifications

Sensing Input	Voltage	170 to 510 Vac 1 phase 2 wire	Voltage Regulation	Less than +/-0.5% (with 4% engine governing)
		DIP switch selectable	Build Up Voltage	5Vac residual volts at power input terminal
	Frequency	50/60 Hz	Static Power Dissipation	Max. 10 watts
Power Input	Voltage	60 to 300 Vac 1 phase 2 wire	CT Current Compensation Input	1A or 5A (adjustable)
Excitation Output	240V 1 phase	Continuous 63 Vdc 16A	Analogue Voltage Input	Max. +/-5 Vdc +/-10% @ +/-3 Vdc
		Max. 90 Vdc 20A for 10 seconds	Under Frequency Protection	55 Hz @ 60 Hz (adjustable) 45 Hz @ 50 Hz (adjustable)
	Resistance	Min. 5 ohms	Over Excitation Protection	Max. DCV 95% 20 seconds
External Voltage Adjustment		Max. +/- 5% @ 2K ohms 1 watt potentiometer	Voltage Thermal Drift	Less than 3% at -40 to +70 °C

Dimensions



AVR Control Functions

VOLT	Voltage adjustment
STAB	Stability adjustment
U/F	Setting under frequency protection knee point
DROOP	Droop adjustment
TRIM	Analogue input adjustment

Environment

Operating Temperature	-40 to +60 °C
Storage Temperature	-40 to +85 °C
Relative Humidity	Max. 95%
Vibration	5.0 Gs @ 60 Hz

Physical Specifications

Dimensions	162.0 (L) x 112.0 (W) x 43.0 (H) mm
Weight	535 g +/-2%

