

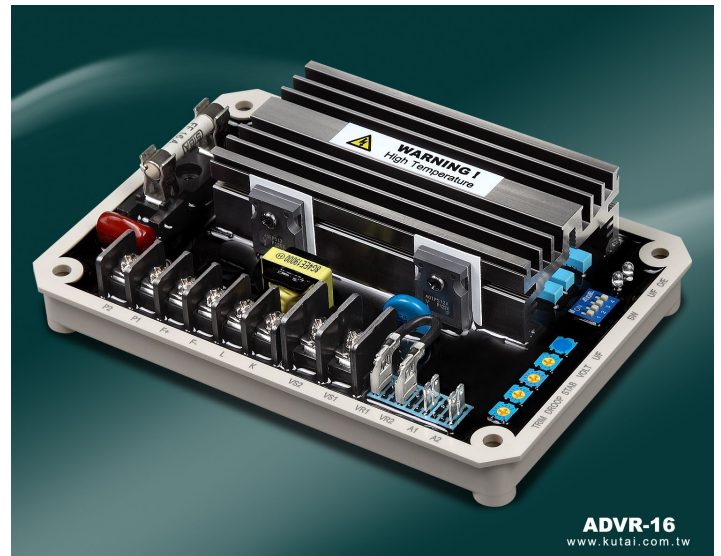
ADVR-16

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

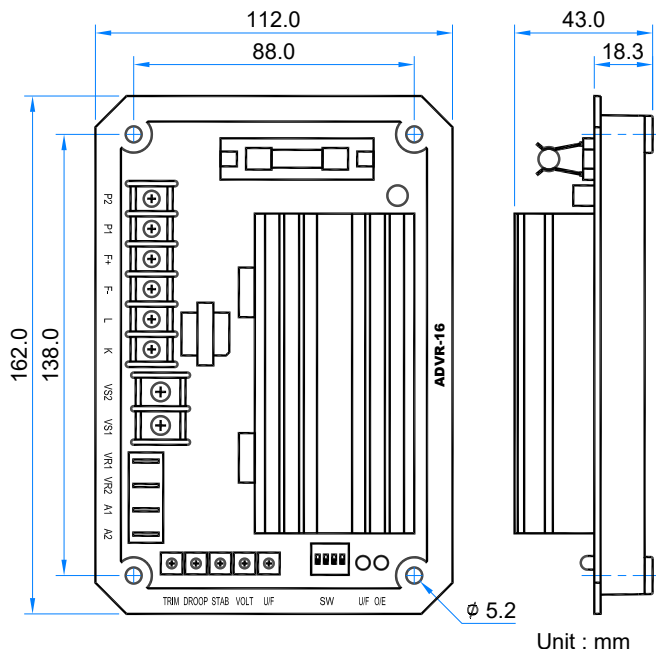
- Voltage regulation less than +/-0.5%
- Suitable for brushless type generator sensing input 170 to 510 Vac
- Can be used in parallel operation
- 16 A dc current output
- Suitable frequency 50/60 Hz
- Inverse-time over excitation protection
- O/E over excitation protection
- Under frequency protection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



Specifications

Sensing Input	Voltage 170 to 510 Vac 1 phase 2 wire DIP switch selectable Frequency 50/60 Hz	Voltage Thermal Drift	0.03% per °C change in AVR ambient
Power Input	Voltage 60 to 300 Vac 1 phase 2 wire	Over Excitation Protection	Max. DCV 95% 20 seconds
Excitation Output	240V 1 phase Continuous 63 Vdc 16A Max. 90 Vdc 20A for 10 seconds Resistance Min. 5 ohms	Ext. Volts Adjustment	+/-5% with 2 kΩ 1 watt trimmer
Volts Regulation	Less than +/-0.5% (with 4% engine governing)	Unit Power Dissipation	Max. 10 watts
Build Up Voltage	Residual volts at AVR terminal > 5 Vac	Under Frequency Protection	55 Hz @ 60 Hz (adjustable) 45 Hz @ 50 Hz (adjustable)
		Analogue Input	Max. +/-5 Vdc +/-10% @ +/-3 Vdc
		CT Current Compensation Input	1A or 5A (adjustable)

Dimensions



Environment

Operating Temperature	-40 to +60 °C
Storage Temperature	-40 to +85 °C
Relative Humidity	Max. 95%
Vibration	3.3 Gs @ 100 to 2K Hz

AVR Control Functions

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

Physical Specifications

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

