

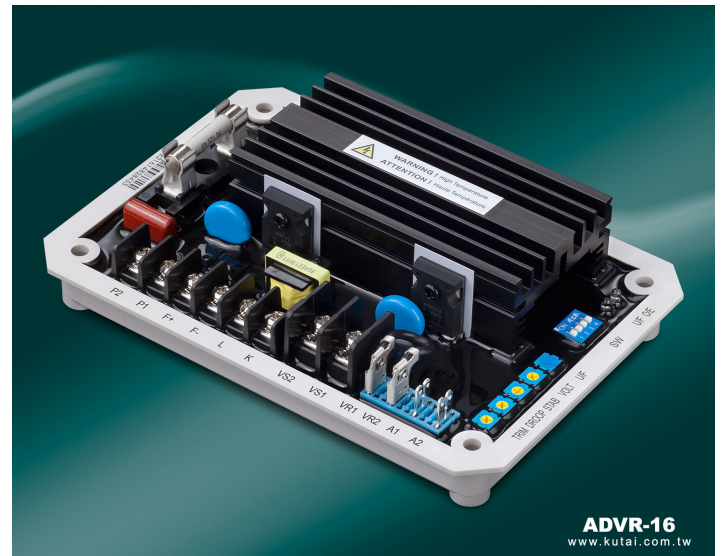
# ADVR-16

## 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

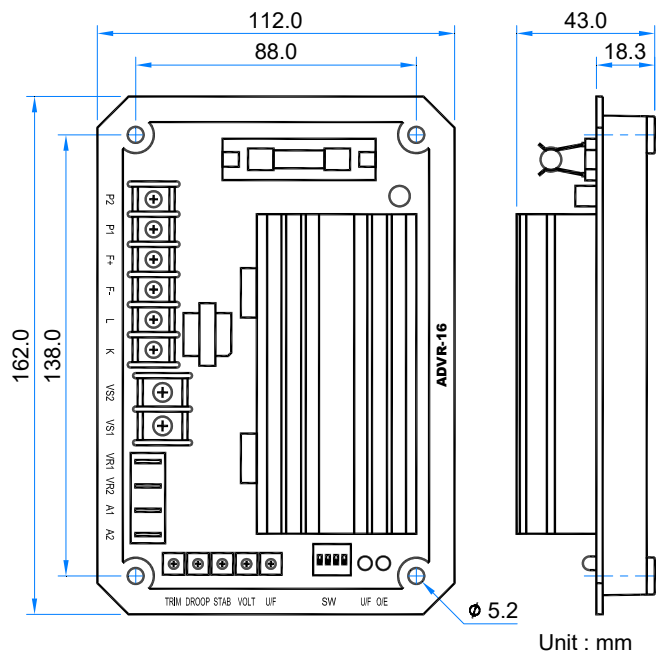


**ADVR-16**  
www.kutai.com.tw

### Specifications

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

### Dimensions



### AVR Control Functions

<b>VOLT</b>	Voltage adjustment
<b>STAB</b>	Stability adjustment
<b>U/F</b>	Setting under frequency protection knee point
<b>DROOP</b>	Drop adjustment
<b>TRIM</b>	Analogue input adjustment

### Environment

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

### Physical Specifications

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

