

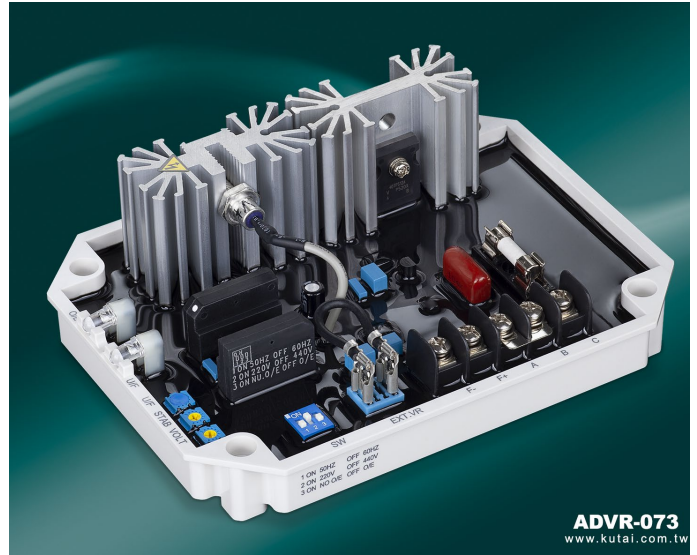
# ADVR-073

## 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 +/-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

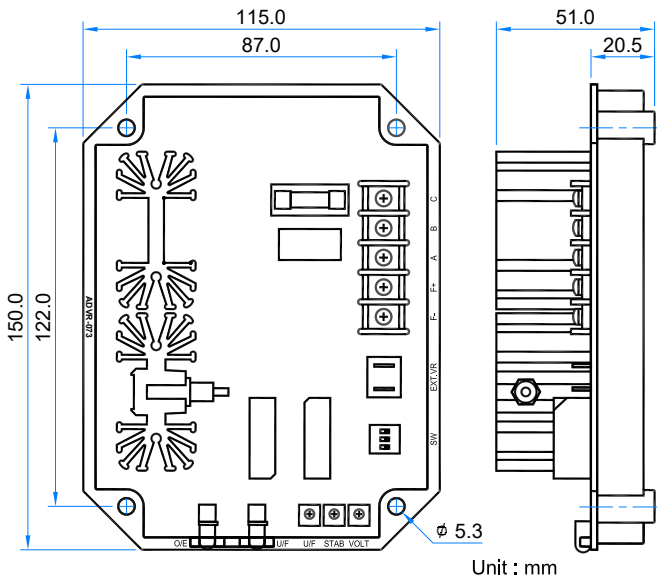


ADVR-073  
www.kutai.com.tw

### Specifications

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

### Dimensions



### AVR Control Functions

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

### Indication LED

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

### 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>	3.0 Gs @ 100 to 2K Hz

### Physical Specifications

<b>Dimensions</b>	150.0 (L) x 115.0 (W) x 51.0 (H) mm
<b>Weight</b>	430 g +/-2%

