

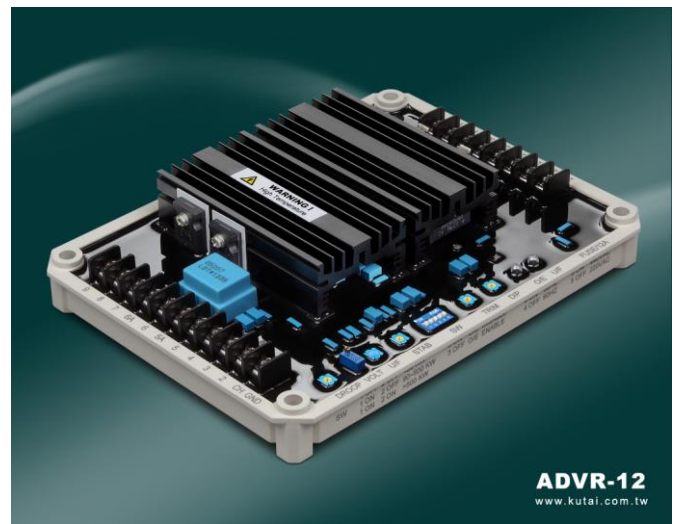
ADVR-12

Universal Hybrid Analog-Digital Three Phase 12 Amp Shunt, Auxiliary Winding or PMG Automatic Voltage Regulator

Compatible with Basler* AVC63-12, AVC125-10, CATERPILLAR* VR6, Kato* K65-12B & K125-10B, Leroy Somer* 202-8634 regulators

Features

- 1 or 3 phase sensing input & power input
- Voltage regulation less than $\pm 0.5\%$
- 220/380/440/480 Vac programmable input
- DIP switch selectable 50/60 Hz
- Multiple excitation system compatibility: SHUNT, AUX, PMG
- Inverse-time over excitation protection
- Under frequency protection and soft start voltage ramping
- EMI suppression
- Built-in high capacity protection fuse
- Apply with KUTAI IVT-1260/IVT-2460 to exceeds normal generator motor starting capabilities

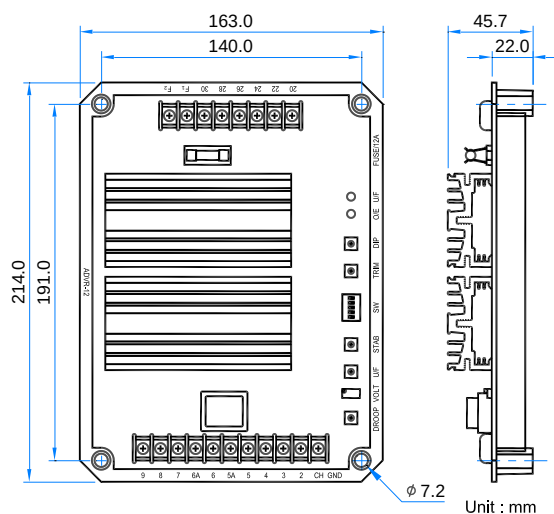


*All manufacturer names, numbers, symbols and descriptions are used for reference purpose only and do not imply that any part is the product of these manufacturer.

Specifications

Sensing Input	Voltage	180-520 Vac 1 or 3 phase selectable	Over Excitation Protection		
	Frequency	50/60 Hz selectable	Inverse-time 125 +/-5 Vdc @ power input 220 Vac		
Power Input	Voltage	100-300 Vac 1 or 3 phase	Ext. Volts Adjustment	+/-5% 10K ohms 1 watt potentiometer	
	Frequency	50-500 Hz	Soft Start Ramp Time	4 seconds	
Output	Voltage	Max. 125 Vdc @ power input 220 Vac	Voltage Thermal Drift	0.03% per °C change in AVR ambient	
	Current	Continuous 12A Intermittent 25A for 10 sec.	Analog Input	Un 0-10% @ 0-10 Vdc or +/-0.5 Vdc	
	Resistance	≥ 5 ohms @ power input 110 Vac	Quadrature Droop Input	CT 1A/5A Max. +/-5% @ P.F +/-0.7	
		≥ 11 ohms @ power input 220 Vac	Under Frequency Protection (Factory Knee Point Setting)		
Burden in Shunt & PMG Wiring		1320 VA @ power input 110 Vac	50 Hz system presets knee point at 47 Hz		
		2640 VA @ power input 220 Vac	60 Hz system presets knee point at 57 Hz		
Voltage Regulation		Less than +/-0.5% (with 4% engine governing)		(-40°C to +70°C deviation 0.1 Hz)	
Build Up Voltage	Residual volts at AVR power input		Environment	Operation Temperature	-40°C to +70 °C
	terminal > 6 Vac @ 25 Hz			Storage Temperature	-40°C to +85 °C
Unit Power Dissipation		Max. 12 watts		Relative Humidity	Max. 95%
EMI Suppression		Internal electromagnetic interference filtering		Vibration	3.0Gs @ 100-2K Hz

Mechanical Specifications



AVR Control Functions

VOLT	Voltage adjustment
STAB	Stability adjustment
U/F	Setting under frequency protection knee point
DROOP	Current compensation droop adjustment
TRIM	Analogue input adjustment
DIP	Voltage droop ratio setting

Indication LED

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

Physical Specifications

Dimension	214.0 (L) x 163.0 (W) x 45.7 (H) mm
Weight	1130 g $\pm 2\%$



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