
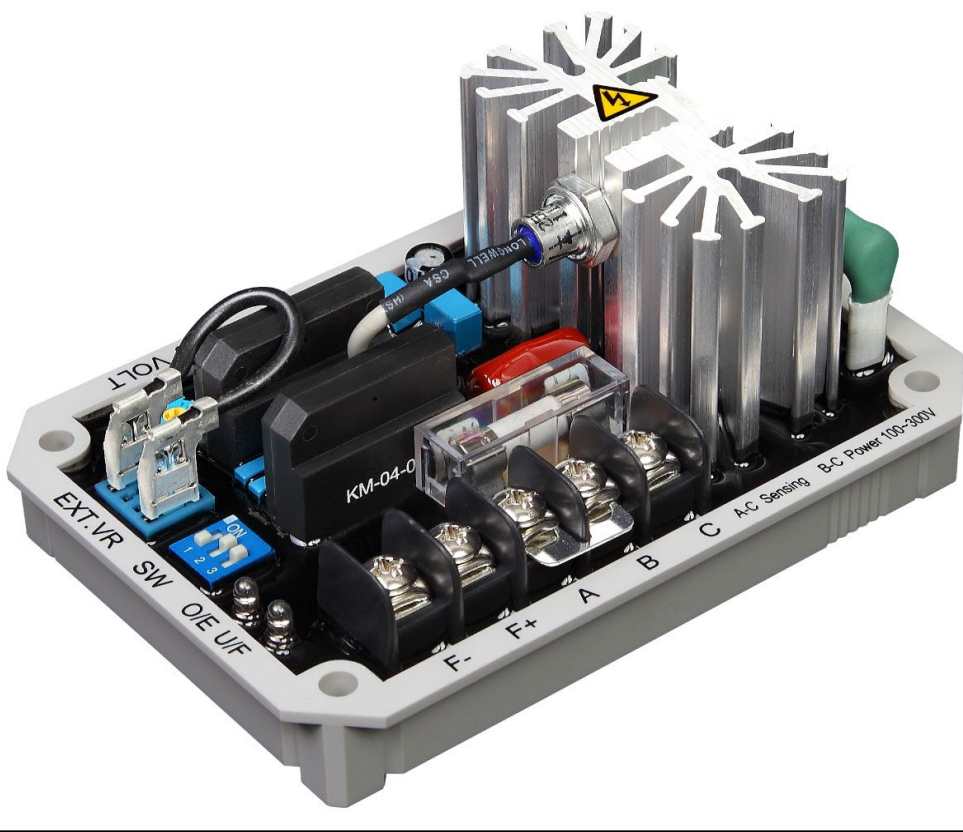

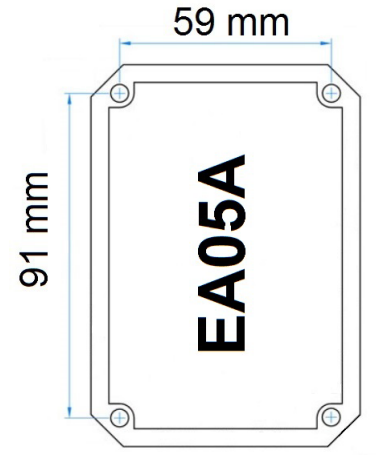
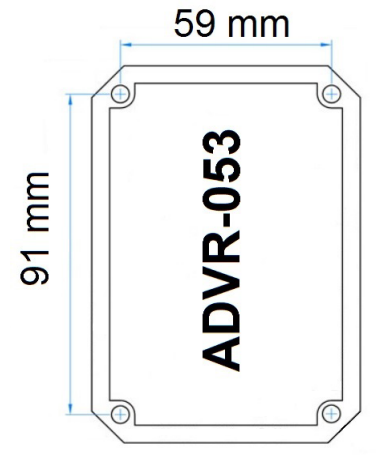
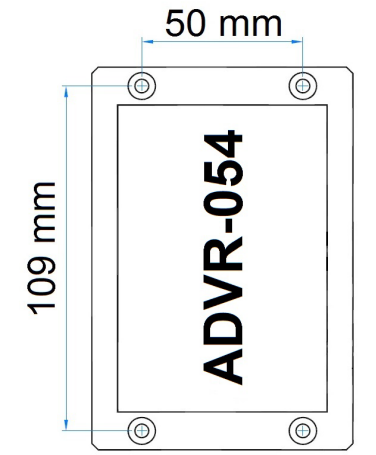


Comparison Table

AVR model		EA05A (Discontinued)	ADVR-053 (Discontinued)	ADVR-054
Appearance				
Features		- Under frequency protection	- Over Excitation Protection - Under frequency protection	- Over Excitation Protection - Under frequency protection - Innovative heat sink. High cooling efficiency - Digital circuit for voltage sensing and under frequency protection - Effectively minimize the output voltage variations and under frequency knee point drifted affected by temperature changes
Sensing Input	Voltage	170 to 520 Vac, 1 phase 2 wire, DIP switch selectable	170 to 520 Vac, 1 phase 2 wire, DIP switch selectable	170 to 520 Vac, 1 Phase 2 Wire, DIP Switch Settings
	Frequency	50 / 60 Hz, DIP Switch Settings	50 / 60 Hz, DIP Switch Settings	50 / 60 Hz, DIP Switch Settings
Power Input		100 to 300 Vac, 1 Phase 2 Wire	100 to 300 Vac, 1 Phase 2 Wire	100 to 300 Vac, 1 Phase 2 Wire
Output	Voltage	Max. 90Vdc @ 240Vac Input	Max. 90Vdc @ 240Vac Input	Max. 90Vdc @ 240Vac Input
	Current	5A (Continuous) 7A for 10 Sec. (Intermittent)	5A (Continuous) 7A for 10 Sec. (Intermittent)	5A (Continuous) 7A for 10 Sec. (Intermittent)
	Resistance	Min. 15 ohms Max. 100 ohms	Min. 15 ohms Max. 100 ohms	Min. 15 ohms Max. 100 ohms
Voltage Regulation		< +/- 0.5% (with 4% Engine Governing)	< +/- 0.5% (with 4% Engine Governing)	< +/- 0.5% (with 4% Engine Governing)
Voltage Build-up		Residual Voltage at AVR Terminal > 5 Vac 25 Hz	Residual Voltage at AVR Terminal > 5 Vac 25 Hz	Residual Voltage at AVR Terminal > 5 Vac 25 Hz
Ext. Voltage Adjustment		7% with 1K ohm 1 watt trimmer	7% with 1K ohm 1 watt trimmer	Max. +/- 3.5% @ 1K ohm 1 watt potentiometer
Soft Start Ramp Time		3 sec. +/- 10%	3 sec. +/- 10%	3 sec. +/- 10%
Static Power Dissipation		Max. 8 Watt	Max. 8 Watt	Max. 8 Watt
Thermal Drift		< 0.03% Per °C change in AVR ambient	< 0.03% Per °C change in AVR ambient	< 0.03% Per °C change in AVR ambient
Over Excitation Protection		N/A	78 Vdc +/- 5% @ 220Vac 5sec	78 Vdc +/- 6% @ 220 Vac 5sec
Under Frequency Protection		45Hz @ 50Hz & 55Hz @ 60Hz (Factory Pre-set, Adjustable)	45Hz @ 50Hz & 55Hz @ 60Hz (Factory Pre-set, Adjustable)	45Hz @ 50Hz & 55Hz @ 60Hz (Factory Pre-set, Adjustable)
Environment	Operating Temperature	-40 to +70°C	-40 to +70°C	-40 to +70°C
	Storage Temperature	-40 to +85°C	-40 to +85°C	-40 to +85°C
	Relative Humidity	Maximum 95%	Maximum 95%	Maximum 95%
	Vibration	3 Gs @ 100 - 2K Hz.	3 Gs @ 100 - 2K Hz.	5 Gs @ 60 Hz.
Terminal		Terminal screw	Terminal screw	FASTON Flag Terminal
Adjustments	VOLT	Voltage Adjustment	Voltage Adjustment	Voltage Adjustment
	STAB	Stability Adjustment	Stability Adjustment	Stability Adjustment
	U/F	Under Frequency Protection Knee Point Setting	Under Frequency Protection Knee Point Setting	Under Frequency Protection Knee Point Setting
LED Indicators	O/E LED	N/A	Over Excitation LED	Over Excitation LED
	U/F LED	N/A	Under Frequency Protection status	Under Frequency Protection status
Dimension		107.0(L) x 75.0(W) x 48.5(H) mm 4.21 (L) x 2.95 (W) x 1.91 (H) inch	107.0(L) x 75.0(W) x 48.5(H) mm 4.21 (L) x 2.95 (W) x 1.91 (H) inch	121.0(L) x 81.0(W) x 44.5(H) mm 4.76 (L) x 3.19 (W) x 1.75 (H) inch
Fixing Orifice specification				
Weight		183g ± 2%	220g ± 2%	270g ± 2%