

NEW RELEASES

SELEC[®]
Creating Best Value

AUTOMATIC POWER FACTOR CONTROLLER (APFC)



APFC147

- 1Ø, LED display
- 8/12 steps



APFC148

- 3Ø, with Inbuilt Multifunction Meter
- 8/12/14 steps
- MODBUS RTU communication

DIGITAL PANEL METERS (LED)

- True RMS Measurement

3Ø Ammeter



3Ø Voltmeter

Other Meters:



LED-Ammeter / Voltmeter



LCD-Ammeter / Voltmeter



Frequency Meter



Power Factor Meter





Other Product Ranges:

PLC's | PROTECTION RELAYS | TEMPERATURE CONTROLLERS | TIMERS | COUNTERS | CT'S

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Specifications overleaf...

Technical Specification

																														
	APFC147	APFC148	MA335	MV334																										
DESCRIPTION	APFC (LED)	APFC (LCD)	3Ø LED AMMETER	3Ø LED VOLTMETER																										
Features	<ul style="list-style-type: none"> • Single CT sensing • LED Display • Dual Password protection • Configurable alarm settings • LED indication for Alarm 	<ul style="list-style-type: none"> • 3 CT sensing • LCD with dual colour backlight • Alarm linked signal contact • Programmable fan control • MODBUS RTU communication 	<ul style="list-style-type: none"> • True RMS Measurement • For 1Ø & 3Ø measurement of current 	<ul style="list-style-type: none"> • True RMS Measurement • For 1Ø & 3Ø measurement of voltage 																										
Display	4 Digit, 7 segment LED	3 line, 4 digit LCD with dual colour backlight	4 Digit, 7 segment LED	4 Digit, 7 segment LED																										
Input type	L-N / L-L	3P4W / 3P3W / 2P2W / 1P2W	3P4W / 3P3W / 1P2W	3P4W / 3P3W / 1P2W																										
Nominal Input Voltage	40-300V (L-N), 50-530V (L-L)	11-300V AC (L-N), 50-520V AC (L-L)	---	11 to 300V AC (L-N), 19 to 516V AC (L-L)																										
Nominal Input Current	Nominal 5A AC (Min 50mA, Max 6A)	Nominal 5A AC (Min-11mA, Max-6A)	50mA to 5A (max. 6A)	---																										
Burden	20m Ohms	20m Ohms	<0.3VA	Impedance 1MΩ (±5%)																										
Frequency	45 to 65Hz	45 to 65Hz	---	50 or 60 Hz																										
Accuracy	PF: ±0.01 of full range	Voltage: (L-N/L-L), Current : ±0.5% of full range, Frequency: ±0.1 of full range, Power (kW, kVA, kVA _r) : ±1% of full range, Energy (kWh, kVarh) : ± 1% of full range	±0.5% of full Range	±0.5% of full Range																										
CT Primary	1 / 5 to 9999A	1 / 5 to 9999A	1 to 999.0 kA	---																										
CT Secondary	1 or 5A	1 or 5A	1 or 5A	---																										
PT Primary	---	100V to 500kV	---	100V – 999kV																										
PT Secondary	---	100V to 500V	---	100V - 500V																										
Target PF	0.8 Lag to 0.8 Lead	0.8 Lag to 0.8 Lead	---	---																										
Control Sensitivity	55 to 100%	55 to 100%	---	---																										
Step Time	5 to 240Sec	5 to 240 Sec	---	---																										
Discharge Time	5 to 999Sec	5 to 9999Sec	---	---																										
Switching program	Automatic / Linear/ Rotational	Automatic / Linear/ Rotational	---	---																										
Control mode	Automatic / Manual	Automatic / Manual	---	---																										
Auto Initialization	Yes / No	Yes / No	---	---																										
Programmable Hysteresis	Voltage : 1 to 10%, Power Factor: 1 to 5%	Voltage : 1 to 10%, Power Factor: 1 to 5%	---	---																										
Error Indication	Over voltage, Under voltage, Over compensation, Under Compensation, No Current error & CT polarity error	Over voltage, Under voltage, Over compensation, Under Compensation, Over Temperature, No Current Error & CT polarity error	---	---																										
Auxiliary Supply	90 to 550V AC, 50-60Hz	90 to 550V AC, 50-60Hz	230V AC, (±20%) 50/60 Hz	230V AC, (±20%) 50/60 Hz																										
Power Consumption	20 VA Max	15 VA Max	5VA max.	5VA max.																										
Temperature / Humidity (non-condensing)	Operating: 0° to 60°C ; Storage: -20° to 60°C / 0° to 95%, without moisture consideration	Operating: 0° to 60°C ; Storage: -20° to 60°C / 0° to 95%, without moisture consideration	Operating: 0° to 50°C Storage: -25° to 70°C / 0 to 90% without moisture consideration	Operating: 0° to 50°C Storage: -25° to 70°C / 0 to 90% without moisture consideration																										
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