Power Factor Controller



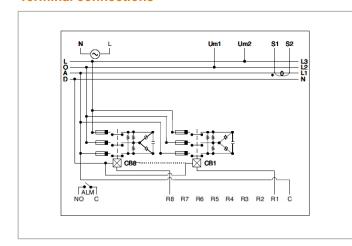
Features:

- > 1-CT Sensing
- Zero Programming
- ▶ Single row, 4 digits LED display
- > 8 Relay stages
- ▶ Intelligent Algorithm System
- Supports Automatic Capacitor Banks switching
- ▶ Alarm Indications

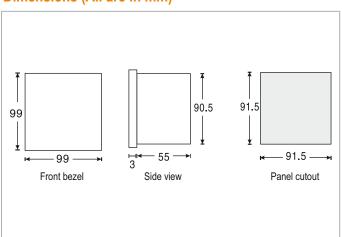
Technical specifications

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Display specifications					
Туре	LCD with backlight				
Digits	4 digit to show electrical parameter				
Operational characteristics					
Rated input voltage	50 to 520V AC				
Rated input current range	Nominal 5A AC (Min 50mA, Max 6A) 1 CT sensing				
Frequency	45 - 65 Hz				
Electrical connection	2ø - 2 wire (voltage - L2,L3, Current L1)				
Power consumption	7VA Max				
Controlling range	Target PF : -0.800 to +0.800				
Switching program	Automatic				
Max number of steps	1 to 8				
Output specifications					
Output Contacts	NO, One Common point				
Steps:	1 to 8				
Relay contact	5A @250V AC (Max)				
Environmental specifications					
Temperature	Operating : 0°C to 60°C Storage : -20°C to 60°C				
Humidity (non - condensing)	0% to 95% without moisture consideration				
Mechanical specifications					
Mounting	Panel				
Weight	263gms				

Terminal connections



Dimensions (All are in mm)



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Standards Compliance

Applicable EMI / EMC standards							
Product standards : IEC 61326-1							
Category	Standards	Standards compliance					
ESD immunity	IEC 61000-4-2	Level III (Air discharge : 8kV), Level II (Contact Discharge : 4kV)					
Surge immunity	IEC 61000-4-5	2kV common mode, (Line to ground) 1kV common mode, (Line to line)					
Radiated susceptibility	IEC 61000-4-3	Level III, 80 to 1000MHz (10V/m) Level II, 1.4GHz to 2GHz (3V/m) Level I, 2GHz to 2.7GHz (1V/m)					
Conducted susceptibility	IEC 61000-4-6	Level II (150KHz to 80MHz) (3V/m)					
Voltage dips and interruptions	IEC 61000-4-11	Dips: 0% during 1 cycle (Criteria B), 40% during 10/12 cycles (Criteria C), 70% during 25/30 cycles (Criteria C) Interruptions: 0% during 250/300 cycles (Criteria C)					
Conducted emission	CISPR 11	Group 1, Class A (150kHz to 30 MHz)					
Radiated emission	CISPR-11	Group 1, Class A (30MHz to 1 GHz)					
Electrical fast transient	IEC 61000-4-4	Level III (2kV)					
Power frequency magnetic field	IEC 61000-4-8	Level IV 30 A/m					

Ordering information

Product code	Supply voltage	No. of stages	Certification
APFC346-108-230V-CE	85 - 270V AC, 50 - 60Hz	8	C€

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