

INTELLIGENT POWER FACTOR CONTROLLERS



FEATURES

- Micro controller based design to give accurate correction of Power Factor.
- Automatic K/C value calculating.
- Multiple data display, including Power Factor (lag/Lead), KVAR value, Voltage, Current, Frequency and Temperature.
- KVAR value can be set directly for each stage. Each stage can have different KVAR values, enabling precise control.
- Capacitor connection is cyclical, using First In First Out principle and is used according to average utilization principle prolonging the relay connection point life.
- Programmable alarm relay output. Can be set to give alarm for abnormal Voltage, Current, KVAR, Power Factor, Frequency and Temperature value.
- CT and PT value can be set to display real KVAR, Voltage and Current value.

ISO 9001-2008 Certified



INTELLIGENT POWER FACTOR CONTROLLERS

DESCRIPTION

Working Voltage	110V, 220V, 380V, 440V ± 10 %, 15 VA MAX.		
Phase (panel set)	Single phase or Three phase.		
Input Current	5 A (CT ratio can be set directly on the panel).		
No. of Relays	Model R-APFC06, 6 Relays		
	Model R-APFC12, 12 Relays		
Output Relay capacity	AC 220V/DC 30V 3A,		
Installable Capacity	0-250KVAR / Stage.		
Capacitor Relay Contacts switching mode	Relay Contacts are connected on first-in-first-out basis so that the relay contacts may be used more evenly. This extends the life of relay contacts. (The relay contacts with no capacitors will not be connected).		
Delay Time:	10-240 seconds, to be set by the user.		
Mode of Operation	Automatic or Manual		
Power out Memory	All the data stored is preserved for atleast 2 months in the event of power failure.		
Programmable Alarm output	Alarm Item (Panel Set)	High Limit	Low Limit
Alarm LED Blinking and Alarm Relay Output	Voltage	★	★
	Current	★	★
	Power Factor	★	★
	KVAR	★	★
	Frequency	★	★
	Temperature	★	★
Phase Order Alarm	Error message displayed.		
Operating Condition	Temperature: - 0° C to +55° C		
	Relative Humidity: 0-90% RH. Non condensing.		

SPECIFICATIONS:

Voltage	0-110V, 230V, 380V, 440V
Current	0-5 A
Power Factor	0.00 ~ 1.00 (Lag-Lead)
KVAR	0 - 9999 KVAR
Frequency	40 - 70 Hz
Temperature	0 - 70° C

DIMENSIONS:

