

AUTOMATIC POWER FACTOR CONTROLLER RELAY

NEW!

Actual Size: 144x144



Model: R-APFC 06



Model: R-APFC 12

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.
- * Alarm relay output. Can be set to give alarm for abnormal Voltage, Current, KVAR, Power Factor, Frequency and Temperature.
- * CT and PT value can be set to display real KVAR, Voltage and Current value.

General Specifications:

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.		

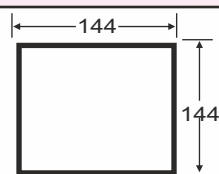
Accuracy

Voltage	± 0.5% of rdg.+2dgts
Current	± 0.5% of rdg.+2dgts
Power Factor	± 2° Electrical
KVAR	± 0.5% of rdg.+2dgts
Frequency	± 0.05 Hz
Temperature	± 1.0°C

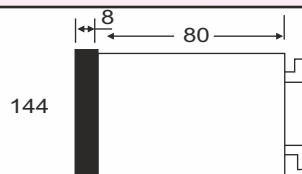
Specification

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

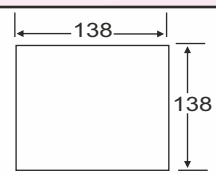
DIMENSIONS



FRONT VIEW



SIDE VIEW



PANEL CUTOUT