

SMART POWER FACTOR CONTROLLER

SALIENT FEATURES:



Model : SPFC - 01

- Automatic switching of capacitor banks.
- Intelligent Selection of suitable capacitor banks & switching sequence.
- Maintains optimum PF control, at fault conditions – by detecting the defective steps.
- Improves life of power factor correction system.
- Selection of auto or manual PF control.
- Maintains Power Factor.
- Alarm Indication for CT failure, PT failure, PF correction failure, No best combination.
- 3-wattmeter Technique for better PF control.
- 10 Potential free contact relays + 1 alarm relay.

PANEL METERS



VOLTMETER

- Aux. Supply: 85 Volt – 300 Volt.
- 3 phase 3 wire / 3 phase 4 wire selection at site.
- PT primary programmable at site.
- Input Voltage 500 volt (max.)
- 4 digit Super bright LED 3 line display.
- Accuracy: Class 1.0



AMMETER

- Aux. Supply: 85 Volt- 300 volt.
- Current Input suitable for 1A/5A.
- CT primary programmable at site.
- 4 digit super bright LED 3 line display.
- Accuracy: Class 1.0



VAF METER

- Aux. Supply: 85 Volt – 300 volt.
- 3 phase 3 wire / 3 phase 4 wire selection – programmable at site.
- Input Voltage 500 volt. (max.)
- 4 digit super bright LED 3 line display.
- Accuracy: Class 1.0



VOLT-AMP METER

- Aux. Supply: 85 Volt – 300 Volt.
- Input Voltage 500 volt. (max.)
- 4 digit super bright LED double line display.
- Accuracy: Class 1.0

Dimension :

Model VM 31 - 96mm x 48mm x 87mm
Model VM 33 - 96mm x 96mm x 75mm

Model AM 31 - 96mm x 48mm x 87mm
Model AM 33 - 96mm x 96mm x 75mm

Model VAF 33 - 96mm x 96mm x 75mm

Model IVA 12 - 98mm x 48mm x 105mm

TECHNICAL SPECIFICATIONS

PARAMETER	M.D. CONTROLLER	POWER METER	P.F. CONTROLLER
1. INPUT:			
Voltage (Line to Line)	500V RMS (max)	500V RMS (Max)	500V RMS (Max)
Current	5A / 1A	5A / 1A	5A / 1A
2. AUX. SUPPLY	85V - 300V AC	85V - 300V AC	85V - 300V AC
3. ACCURACY	CLASS 1	CLASS 1	CLASS 1
4. DISPLAY	16 Character 2 line alphanumeric LCD with back light	6 digit 3 line super bright LED display	16 Character 2 line alphanumeric LCD with back light
5. BURDEN	0.1 VA Typical	0.1 VA Typical	0.1 VA Typical
6. DIMENSIONS	215 mm x 140 mm x 100 mm	96 mm x 96 mm x 100 mm	144 mm x 144 mm x 70 mm
7. PANEL CUTOUT	189 mm x 129 mm	90 mm x 90 mm	138 mm x 138 mm
8. KEY BOARD	Feather touch key board	Feather touch key board	Feather touch key board