DIGITAL INTELLIGENT POWER FACTOR REGULATOR
Model - KM-PFR-9-06 (6 STEPS)



The pioneers & leaders in high quality power factor controllers & maximum demand controllers, now introduce 2 new economy models of power factor controllers. These controllers have microprocessors for automatic control of power factor. It has digital indication for power factor.

✷ FUNCTIONS :

- **No of steps :** 6 steps
- **Voltage Burden :** ≤ 6 VA **(6 steps)**
- **Operation Voltage Range :** AC 220 V ± 15% & AC 415 V ± 15%.
- **Input Current Range :** AC 0.05 ~ 5A, max 6A.
- **Current Burden :** ≤ 0.5 VA
- **Power Factor Display :** Digital Display, RED LED, 14.2 mm height, 0.01PF Resolution.
- **Power Factor Setting Range :** CAP 0.90 ~ IND 0.90 (Factory set 0.98 P.F.).
- **C/K setting Range :** Automatic self adjustment for C / K value.
- **Operation Time Display :** 10 ~ 240 sec. Delay time. (Factory set 30 sec).
- **Output contacts coils :** AC 220V 5 A (Max. AC 380 V, 5 A, typical)
- **Operating Temprature Range :** 0°C ~ 60°C.
- **Storage Temprature Range :** -10°C ~ 70°C.
- **Dielectric Strength :** AC 220 V, 50 Hz, 1 minute, Input / Output / Ground.
- **Withstanding Impulse Voltage :** According to IEC 1000 - 4 - 5
- **Electrical Transient burst :** According to IEC 1000-4-4
- **Connection :** Plug in Terminal block.
- **Phase :** Single Phase or Three Phase
- **Outside Dimension :** 144 x 144 mm & 65mm (Depth) as Per Din standard.

✷ ADDITIONAL FUNCTIONS :

- Display Power Factor
- Simple Operation.
- Automatic self adjustment for C/K value.
- Different types of Operation sequence
  (1:1:1:1….) (1:2:2:2….) (1:2:4:4….) (1:4: 8...)
  (1: 1: 2 : 2)...(1 : 1 : 2 : 2..)...(1 : 1 : 4 : 8..)...
  (2 : 4:...(1 - 1- switching in sequential Sequence)
- The set data is preserved for at least two months in the event of Power failure.

INTELLIGENT POWER FACTOR REGULATOR
Model - KM-PFR-S-04 (4 STEPS) / KM-PFR-S-08 (8 STEPS)



✷ FUNCTIONS :

- **Rated Volatage :** AC 440 V 50H z / 60Hz (L-L).
- **Rated Current :** AC 50 mA ~ 5A 50Hz / 60Hz
- **Output Relay Rating :** AC 220 V; 7 A; 50 Hz
- **Display Power Factor :** Lag 0.001 ~ Lead 0.001
- **Measure Power :** 0 - 9999 KVAR
- **Low-Voltage Protection :** 340 V (L - L)
- **Ambient Temperature :** 20°C ~ 50° C
- **Protection Class :** IP40

✷ ADDITIONAL FUNCTIONS :

- **Display :** Power Factor, Line Voltage Input & Load Current.
- Precise compensation of Reactive Power with automatic calculation of C / K..
- KVAR based Power Factor Controller
- User friendly menu for simple setting of various Parameters.
- High sensitivity, operates even at 50 mA current signal.
- Over Voltage & Low Voltage protection.
- Automatic & Manual operation
- Setting Data stored even if there is a power failure.
- Dimension : 144 mm x 144 mm for easy installation in control panels.

✷ CONNECTION DIAGRAM :

