

POWER FACTOR REGULATOR

PFR140/120/ 80/60



FEATURES

- Display of $\cos\phi$, power factor, voltage, current and total harmonic distortion voltage/current
- Display power of Active (W), Reactive (var), Apparent (VA) and required var
- No voltage release function
- Automatic C/K and rated step adjustment
- Automatic CT polarity correction
- Programmable sensitivity
- Programmable alarm
- Last step can be used as alarm/fan output
- Alarm of Under/over voltage, under/over compensate, step fault and high harmonic distortion
- Programmable L-L and L-N voltage sensing
- Complies with IEC 61000-6-2 standard

SPECIFICATIONS

AUXILIARY SUPPLY

Supply Voltage	: 220~240 VAC/ 380~415VAC
Operating Limits	: -15% +10%
VA Rating	: 10VA max
Frequency	: 50Hz or 60Hz

OUTPUT CONTACT

Numbers of Outputs	: 6 / 8 / 12 / 14
Contact Arrangement:	: NO contact type
Rated Capacity	: 5A 250VAC($\cos\phi=1$)
Max Current for the Common Terminals	: 12A continuous

CURRENT INPUT

Rated current, I_n	: 5A
Operating Limits	: 0.02 -8A
Rated Frequency	: 50Hz or 60Hz

CONTROL RANGE

Power Factor Setting	: 0.8 inductive -0.8 capacitive
C/K Setting	: 0.02 -1.20/Auto
Switching Sensitivity	: 5 - 600 s/step
Reconnection Time for Same Step	: 5 - 240 s
THD Current Threshold	: 20 - 300%
THD Voltage Threshold	: 20 - 30%
Switching Program	: Off/Automatic Rotate/Manual Four-quadrant
Rated Step Coefficient	: 1 - 16/Fix/Off

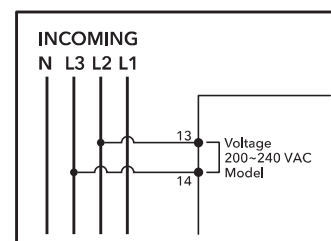
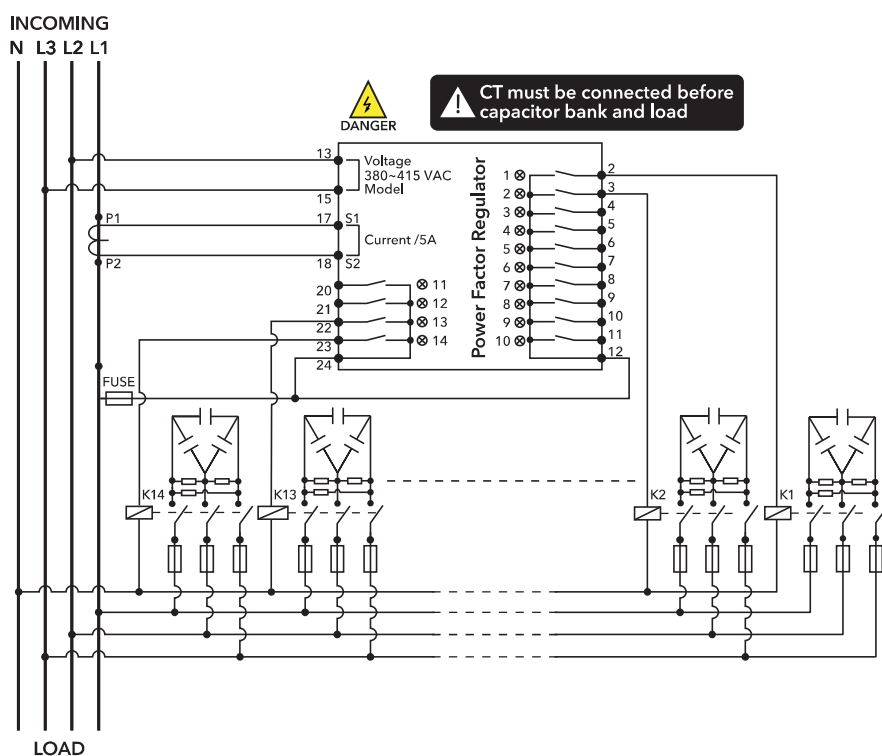
ENVIRONMENTAL CONDITIONS

Operating Temperature	: -5°C to 55°C
Humidity	: 56 days at 93% RH and 40°C non-condensing

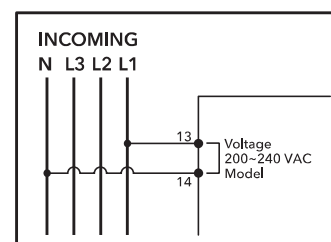
MECHANICAL

Mounting	: Panel mounting
Dimension (mm)	: 144(w) x 144(h) x 91(d)
Enclosure protection	: IP54 at the panel
Approximate weight	: 1kg

TYPICAL APPLICATION DIAGRAM



For 200~240 model and L-L voltage system only



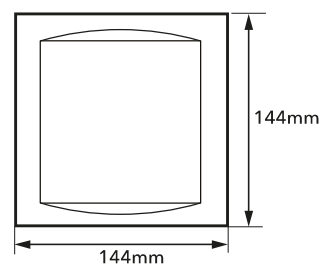
For 200~240 model and L-N voltage system only

ORDERING INFORMATION

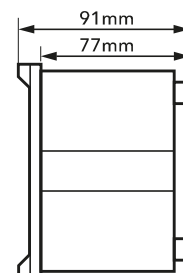
MODEL	DESCRIPTION
PFR60 -415A (RX)	6 steps, 50 or 60Hz system, auxiliary voltage 380~415VAC
PFR80 -415A (RX)	8 steps, 50 or 60Hz system, auxiliary voltage 380~415VAC
PFR120 -415A (RX)	12 steps, 50 or 60Hz system, auxiliary voltage 380~415VAC
PFR140 -415A (RX)	14 steps, 50 or 60Hz system, auxiliary voltage 380~415VAC
PFR60 -230A (RX)	6 steps, 50 or 60Hz system, auxiliary voltage 220~240VAC
PFR80 -230A (RX)	8 steps, 50 or 60Hz system, auxiliary voltage 220~240VAC
PFR120 -230A (RX)	12 steps, 50 or 60Hz system, auxiliary voltage 220~240VAC
PFR140 -230A (RX)	14 steps, 50 or 60Hz system, auxiliary voltage 220~240VAC

CASE DIMENSION

FRONT



SIDE



PANEL CUT OUT

