



The Power of Technology

# Power Factor Controller

## HPL - PFCR 6 / 8 / 12 / 14 Steps



### Features

- Microprocessor based intelligent auto switching control
- Automatic C/K and rated step adjustment
- Automatic CT polarity correction
- Display of power factor, current & total harmonic distortion of current
- Programmable sensitivity
- Last step can be used as alarm / fan output
- Under / over voltage alarm, under / over compensate alarm & high harmonic distortion alarm

### Technical Data

#### Ratings Auxiliary Power Supply

Supply voltage	: 346~415 VAC
Operating Limits	: -15% to +10%
Consumption	: 10 VA max
Frequency	: 50 Hz

#### Current Input

Rated current, In	: 5A
Operating Limits	: 0.05A - 6.5A
Rated Frequency	: 50 Hz

#### Relay Output

Numbers of outputs	6 / 8 / 12 / 14
Contact arrangement	: NO contacts type
Rated capacity	: 5A, 250 VAC (Cos φ=1)
Max current for the common terminals	: 12A continuous

#### Control Range

Power Factor setting	: 0.8 inductive -0.8 capacitive
C / K setting	: 0.03 - 1.20 / Automatic
Switching sensitivity	: 5 - 600 s / step
Reconnection time for Same step	: 5 - 240 s
THD Threshold	: 0.20 - 3.00 (20% - 300%) / OFF
Switching Program	: Automatic / Automatic Rotate / 4-quadrant / Manual
Rated step coefficient	: 0 / 1 / 2 / 3 / 4 / 6 / 8 / 12 / 16 (Automatic if C/K set of Auto)

#### Mechanical

Mounting	: Panel mounting
Dimension (h x w x d)	: 144mm x 144mm x 91mm
Approximate weight	: 1 kg

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ISO-9001:2008  
ISO-14001:2004

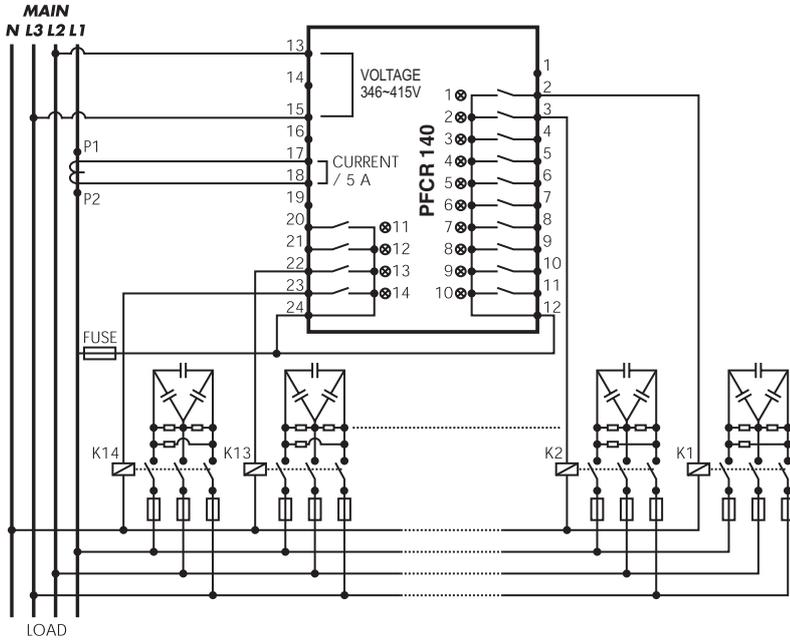


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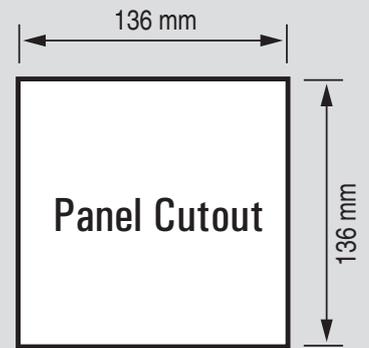
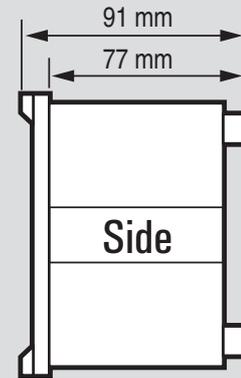
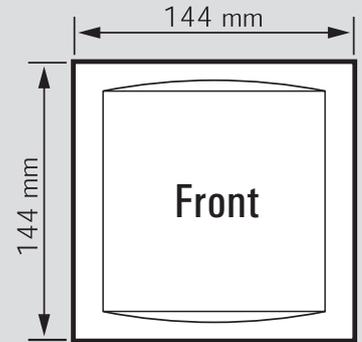


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## Typical Application Diagram



## Case Dimensions



## Ordering Information

Item Code	Description
PFC06041550	6 Steps, 415 V AC, 50 Hz power supply
PFC08041550	8 Steps, 415 V AC, 50 Hz power supply
PFC12041550	12 Steps, 415 V AC, 50 Hz power supply
PFC14041550	14 Steps, 415 V AC, 50 Hz power supply



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Due to continuous development, specifications and features are subject to change without prior notice.