



# Power Factor Controller

## RISH PFC 08L



Measure



Control



Record



Analyze



Optimize

### Characteristics

- Suitable for Inductive Reactive power compensation
- Minimum user intervention by Auto CT polarity correction, Auto bank value detection ,Connected bank count, makes device plug and play
- Versatile capacitor bank input methods
  - Direct capacitor bank value,
  - Control series,
  - Auto capacitor bank value detection
- Low voltage, high voltage, undercurrent fault detection and capacitor protection
- Intelligent bank algorithm for optimum bank switching
- 4 / 6 / 8 relay configuration
- Auto number of bank detection and blocking of non connected banks
- Minimum system settings in auto mode
- User configurable connection ,disconnection, discharge timings



### Features

Display	- 3 digit 7 Segment display (digit height 14mm)
System parameters displayed	- Real-time cos phi

### Technical Data

Weight	0.25 kg
Case	Panel-mounted instrument, 96 × 96 × 35 mm  (Back Depth 55mm with add on bank module) (cut out 92 <sup>+0.8</sup> × 92 <sup>+0.8</sup> mm)
Ambient conditions	<ul style="list-style-type: none"> <li>- Over-voltage class III</li> <li>- Pollution degree 2</li> <li>- Operating temperature 0 ... +55 °C</li> <li>- Storage temperature 0 ... +60 °C</li> <li>- Sensitivity to EMC IEC 61326-1:2012, Table 2</li> <li>- Safety guidelines IEC 61010-1:2010</li> <li>- Mounting position Flush Mounting</li> <li>- Humidity class 15% ... 95% non-condensing</li> </ul>
Protection class	<ul style="list-style-type: none"> <li>- Front plate IP50 to IEC60529</li> <li>- Rear side IP20 to IEC60529</li> </ul>



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<p>Operation</p> <ul style="list-style-type: none"> <li>- Auxiliary Supply voltage</li> <li>- Auxiliary Supply frequency</li> <li>- Target cos phi</li> <li>- Connection and disconnection times</li> <li>- Discharge Time</li> <li>- Control modes</li> </ul>	<p>80 VAC – 300 VAC</p> <p>50-60 Hz</p> <p>Fixed to 0.99 Inductive</p> <p>5...999 seconds</p> <p>10...999 seconds</p> <p>Self-optimized intelligent control mode</p>
<p>Measurement</p> <ul style="list-style-type: none"> <li>- Measurement voltage range</li> <li>- Fundamental frequency</li> <li>- Measurement current (CT)</li> <li>- Minimum operating current</li> <li>- Maximum current</li> <li>- Accuracy Power Factor</li> </ul>	<p>80 ... 300 VAC , 240 V nominal</p> <p>50-60Hz</p> <p>1A / 5A</p> <p>10 mA</p> <p>6 A (sinusoidal)</p> <p><math>\pm 2^\circ</math></p>
<p>Switching outputs ( Relay outputs )</p> <ul style="list-style-type: none"> <li>- Number of outputs</li> <li>- Switching voltage/Power</li> </ul>	<p>4 / 6 / 8 steps (To be specified while ordering)</p> <p>Max. 250 VAC / 1000W</p>



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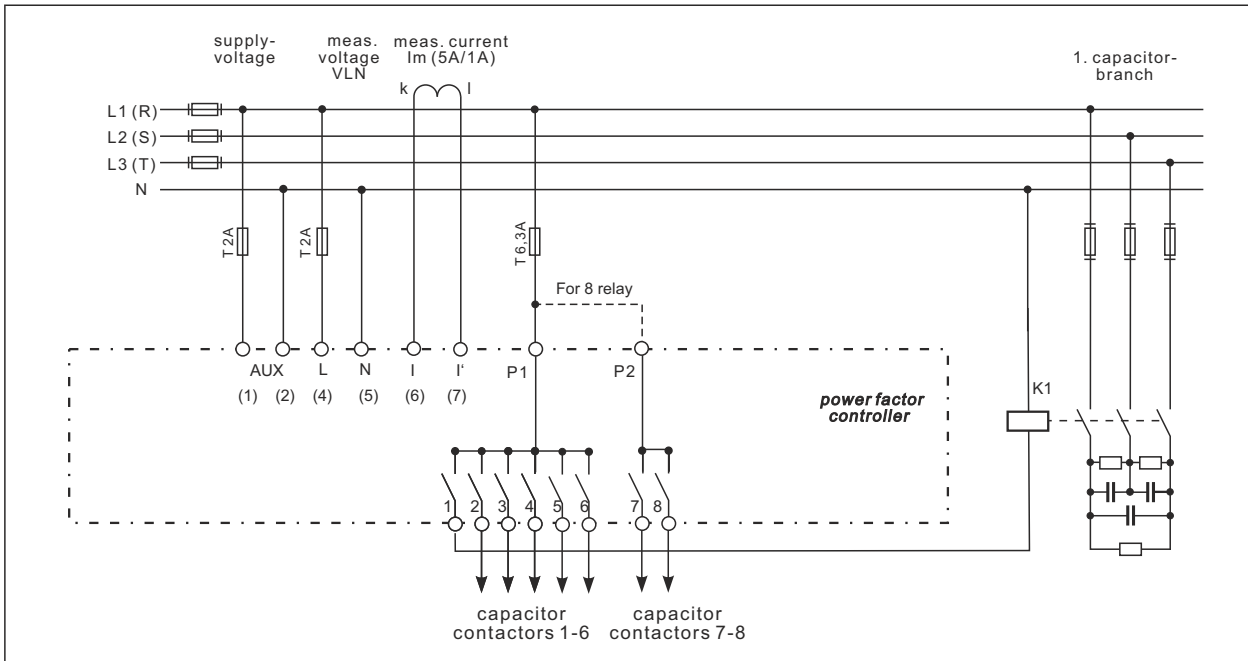


Analyze

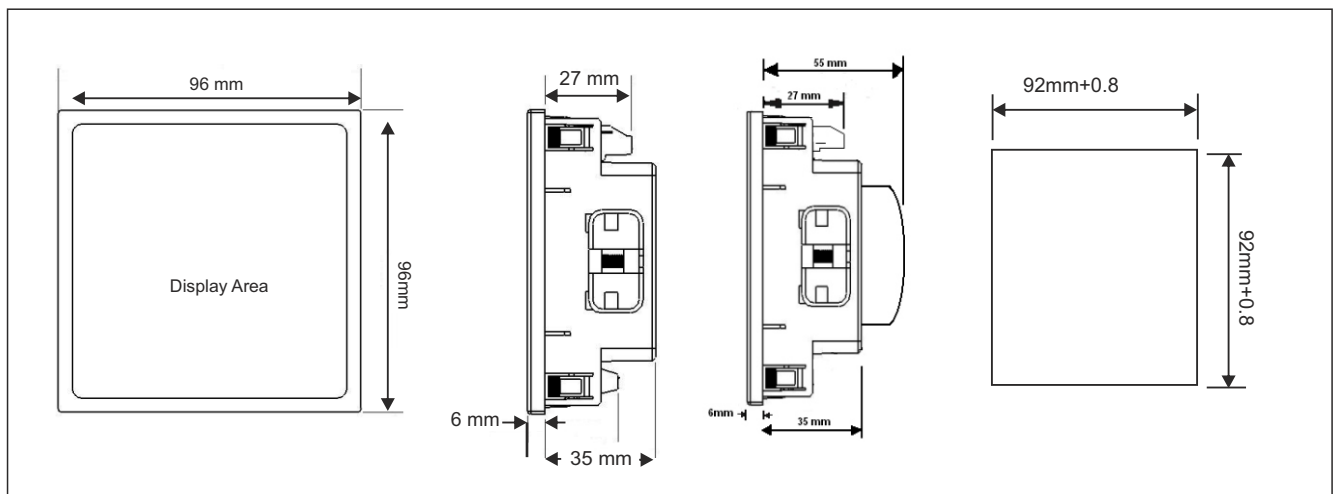


Optimize

### Connection plan



### Dimensions :



Type A

Type B

Type - A ( 4 / 6 relays ) Type - B ( 8 relays )

### Optional Accessories

1. Mounting plate 144x144
2. Clamping screws



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