1 Installation/mounting

Outline and Panel Cutout Dimensions

<table>
<thead>
<tr>
<th>Outline dimensions (unit:mm)</th>
<th>Panel cutout dimensions (unit:mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PXR4</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>![Diagram of PXR4 dimensions]</td>
</tr>
<tr>
<td></td>
<td><em>(Terminal screw M3×6)</em></td>
</tr>
<tr>
<td></td>
<td><em>(Mounting bracket)</em></td>
</tr>
<tr>
<td></td>
<td><em>(Panel thickness 1 to 8mm)</em></td>
</tr>
<tr>
<td></td>
<td><em>(For side by side installation, see the Note1.)</em></td>
</tr>
<tr>
<td></td>
<td><em>(Number of units)</em></td>
</tr>
<tr>
<td></td>
<td>2 3 4 5 6</td>
</tr>
<tr>
<td></td>
<td>a 93 141 189 237 285</td>
</tr>
<tr>
<td><strong>PXR7</strong></td>
<td></td>
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<tr>
<td></td>
<td>![Diagram of PXR7 dimensions]</td>
</tr>
<tr>
<td></td>
<td><em>(Terminal screw M3×6)</em></td>
</tr>
<tr>
<td></td>
<td><em>(Panel)</em></td>
</tr>
<tr>
<td></td>
<td><em>(Packing)</em></td>
</tr>
<tr>
<td></td>
<td><em>(Number of units)</em></td>
</tr>
<tr>
<td></td>
<td>2 3 4 5 6</td>
</tr>
<tr>
<td></td>
<td>a 82MIN. 68 68 68 68</td>
</tr>
</tbody>
</table>

Note1: See the note for side by side installation.
Note) Panel coating procedure must be taken into account, for the panel cutout dimension should still conform with the dimensions listed in the left hand column.

Caution on side-by-side installation:

- Maximum ambient temperature is at 45 °C when the power supply is at 200VAC or more. When the PXR4 controller is tightly fixed in vertical and upright direction, the use of 100V AC power supply is recommended. (Installation of fan is recommended as a heat release measure)

- Make sure the controller is installed more than 30mm away, when there is an instrument of more than 70mm depth or a wall on the right side of the controller.

- Side-by-side installation may sacrifice the controller's waterproof property.

Caution on wiring:

- Terminals at the left hand side (from No.1 to 6) should be used first.

- Crimp terminals with matching screw size should be used. Tightening torque value should be approx. 0.8N · m.

- Do not connect anything to the terminals that are not used. (Do not use as relay terminal)
2 Wiring

Terminal Connection Diagram (100 to 240 AC, 24V AC/24V DC)

- Alarm output:
  - Common
  - Alarm output1 (AL1)
  - Alarm output2 (AL2)
  - Heater break
  - Alarm output3 (AL3)

- Power supply:
  - 24V AC/DC
  - 100-240V AC

- Digital input:
  - 1
  - 2
  - 3
  - 4

- RS485 com.:
  - 5

- Remote SV input:
  - 6

- CT input:
  - 7

- Re-transmission output:
  - 8

- Control output1:
  - Relay output
  - Current output
  - SSR/SSC drive output

- Measured value input:
  - Thermocouple
  - Resistance bulb
  - Current/voltage

- N.C.

- AL1

- AL2

- AL3

- AL1

- AL2

- AL3

- AL1

- AL2

- AL3

- AL1

- AL2

- AL3

- AL1

- AL2

- AL3

- AL1

- AL2

- AL3

- AL1

- AL2

- AL3

Note 1: Check the power supply voltage before installation.
Note 2: Connect the I/V unit (250Ω resistor) (accessory) between the terminal 7 and 9 in case of current input.

- In the case of 1 digital input point (the 11th, 12th, or 13th digit of the code symbol is “S00”), connect the digital input terminal between terminals 7 and 9.

- In the case of 2 digital input points + heater break alarm, or 2 digital input points + remote SV specifications, connect the CT input and remote input terminals between terminals 1 and 3.