Comfort Controller 6400 and 6400-I/O (Outdoor Rated)
Installation Instructions

Panel Mounting

NOTE: At least 2.88 inches (73.0 mm) between drill holes (top and bottom) to accommodate side by side arrangement of 2 or more modules.

NOTE: Minimum distance from base of enclosure to place first drill hole.

#8-32 x 3/4" SELF TAPPING SCREW (2 PLACES)

(REF.) FOR PLACEMENT OF SECOND DRILL HOLE #29 (~0.125" dia) (~3.2 mm)

(REF.) FOR PLACEMENT OF FIRST DRILL HOLE #29 (~0.125" dia) (~3.2 mm)
**6400 and 6400-I/O Power Connector Location**

**Warning:** If using a 24 Vac power supply to power the Comfort Controller, do not use it to also power other non-Comfort Controller modules or field devices (for example, actuators).

**CAUTION:** Connect Pin 1 on each Comfort Controller module’s power connector to chassis (earth) ground.

**WARNING:** Failure to correctly wire power connector can permanently damage 6400 module.

<table>
<thead>
<tr>
<th>Pin Number</th>
<th>Power Connector</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>24 Vac or 33 Vdc (+)</td>
</tr>
<tr>
<td>2</td>
<td>24 Vac or 33 Vdc (-)</td>
</tr>
<tr>
<td>1</td>
<td>Chassis ground</td>
</tr>
</tbody>
</table>

![Diagram of power connector location](image_url)
NOTE: Do not bundle power and communication wiring with sensor and device wiring.
Communication Connections

The figure below shows I/O communication connections between Comfort Controller 6400 and 6400-I/O modules.

Related Documentation

For more information on the Comfort Controller 6400, see the following:

- Comfort Controller Installation & Start-up Manual (808-890)
- Comfort Controller Overview and Configuration Manual (808-891)
- Comfort Controller Application Guide (808-892)
- Comfort Controller Flowchart Manual (808-910)
- Comfort Controller 6400 (Outdoor Rated) Product Data Sheet (808-296)

NOTE: Do not bundle power and communication wiring with sensor and device wiring.