

18" PX Series Enclosure Assembly

Product Description

The 18" PX series enclosure (see Figure 1) is UL-508 listed for indoor use Type 1. The 18" PX series enclosure can:

- provide a degree of protection to personnel against incidental contact with the enclosed Siemens Building Control devices.
- provide a degree of protection for those devices against falling dirt.

The 18" enclosure is factory-equipped with the following:

- Factory-installed 16" by 12" perforated panel
- DIN rail and wire tie bar kit
- Pull-box type door, non-locking


The 18" PX series enclosure when installed per this instruction is certified to comply with IBC 2009 and CBC 2010 and may be used with following List of Equipment / Components with HCAI Special Seismic Certification Preapproval (OSP)

- OSP-217 and OSP-218

Product Numbers

PXA-ENC18 18" PX Series Enclosure Assembly

Caution Notation

CAUTION:		Equipment damage or loss of data may occur if you do not follow the procedure as specified.
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Required Tools and Materials

- Adjustable wrench or pliers
- Electric drill
- Punch
- Hammer
- Level
- Marker
- Screwdrivers, small and medium Phillips
- Tape measure
- Tie-wraps
- Wire stripper/side cutters

- Four corrosion resistant 1/4" - 20 Bolts, flat washers and nuts

To mount on concrete or masonry:

- Hammer drill
- 1/2 inch carbide masonry bit
- Four 1/4-20 corrosion resistant wall anchors

Prerequisites



CAUTION:

NEVER mount the enclosure on ductwork or HVAC equipment.

Enclosure must be mounted at least 12 feet (3.65 m) away from large motors and radio equipment.



CAUTION:

Anchorage is not preapproved for Seismic Certification and must be approved by the Inspector of Record before installation.

Seismic Certification Preapproval requires:

- Installed Equipment is listed in OSP.
- Enclosures are non-isolated wall mounted using four 1/4" minimum diameter bolts.
- Total installed weight of enclosure, installed equipment and wiring not to exceed 50 lbs. Center of gravity for DIN mounted equipment is at center of enclosure.
- DIN Rail mounted on backplane using three supplied screws each.
- Listed equipment not capable of being installed on DIN rails may be fastened to the backplane with supplied screws.

Expected Installation Time

30 minutes

Installation

NOTE: Follow all safety regulations and local codes when installing this equipment.

1. Draw a level line 6 feet (1.8 m) above the floor on the wall or surface where the enclosure will be mounted.

2. Draw two horizontal lines, one 1.5 inches down from the 6 foot mark, and another 16.5 inches down from the 6 foot mark.
3. Mark two vertical centerlines, 13 inches apart, through both horizontal lines.
4. Drill through each of the 4 intersections to create the mounting holes.
5. Use hammer and punch to remove knockouts:
 - a. If installing a 24 Vac transformer (not supplied), punch one entrance on the right-most knockout (either on the top or side) for the line voltage wiring to the service box. Terminate the wiring in a junction box (not supplied).
 - b. Punch additional entrances as needed making sure the Class 2 wiring knockout is at least 2 inches (50.8 mm) from other wiring knockouts.



WARNING:

Separate knockouts should be used for high voltage and low voltage wiring. Leave at least a 2-inch (50.8 mm) space between the Class 2 and other wires in the panel.

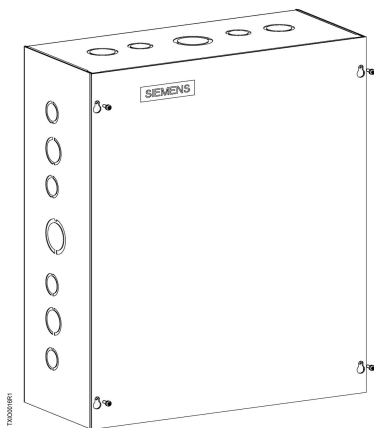


Figure 1. 18" PX Series Enclosure.

6. Using a Phillips screwdriver, remove the enclosure door panel.
7. Use the mounting bolts to mount the panel. Check the enclosure to be sure it is level.
8. Run conduit and pull wires into the panel. Be sure to leave enough wire for future changes or additions.
9. Label each wire.
10. Place the product layout sheet in the enclosure.

The installation is now complete.

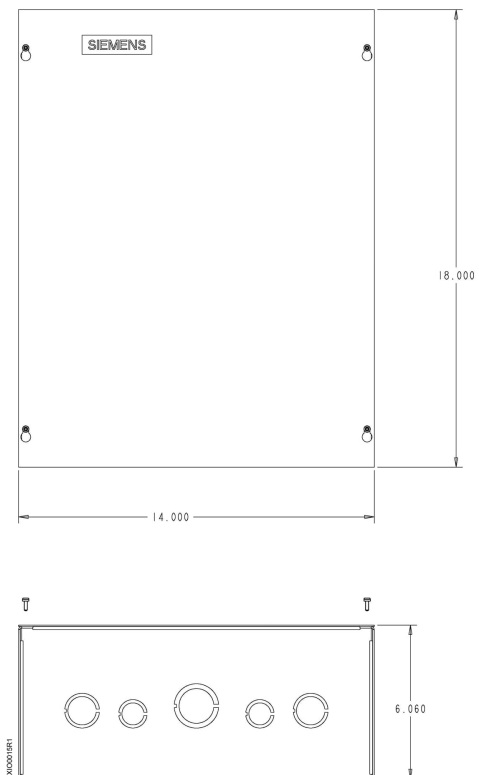


Figure 2. 18" PX Series Enclosure Dimension.

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