PANDUIT

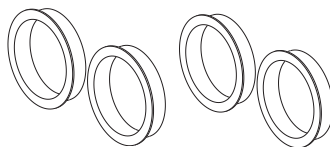# *PANZONE* In-Ceiling Enclosure

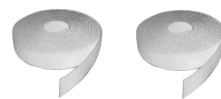Part Numbers: PZICEAE, PZICEE

INSTALLATION INSTRUCTIONS V00029CR

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List of Components:

- (1) Left Mounting Bracket
- (1) Right Mounting Bracket
- (1) Fan Module (PZICEAE ONLY)
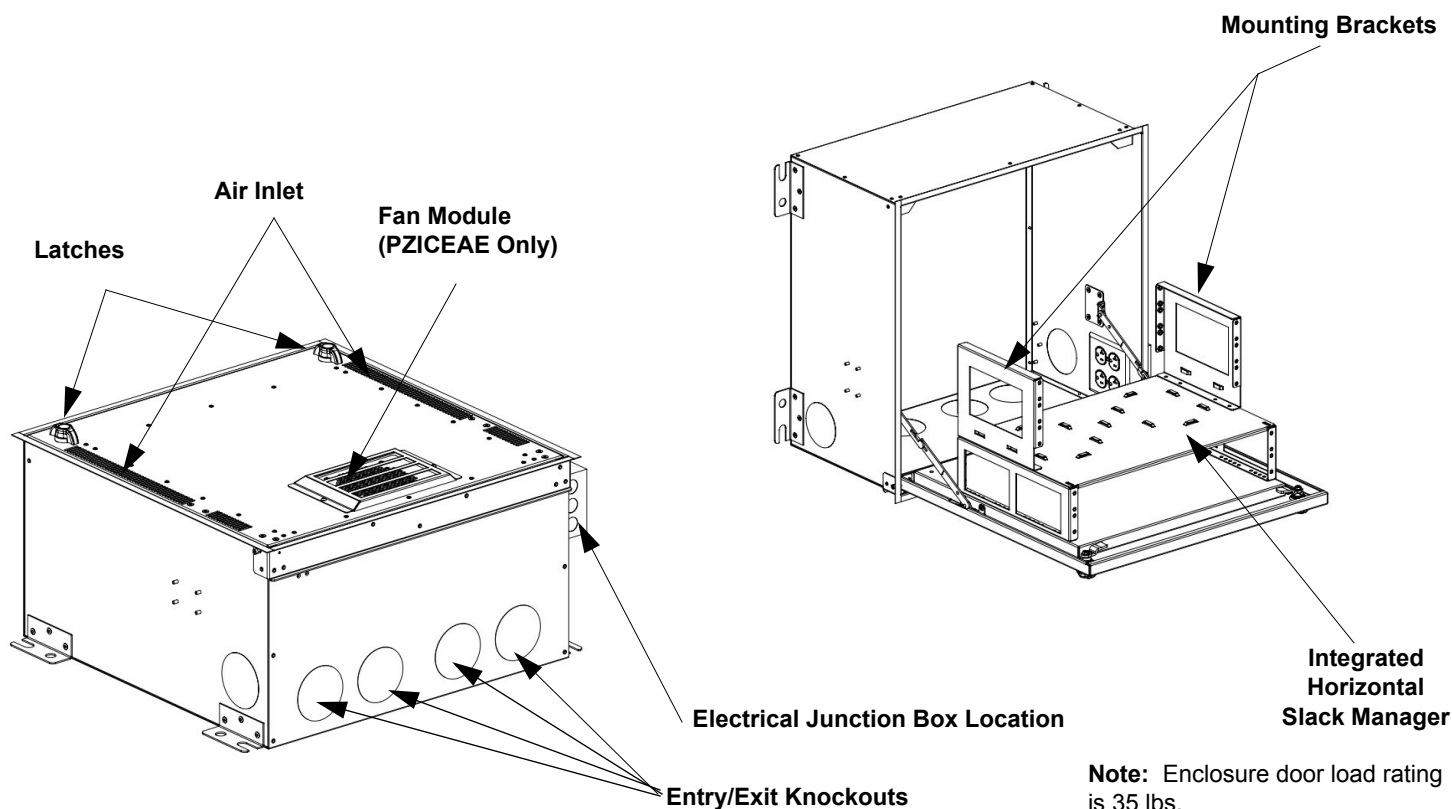- (4) Grommets
- (2) Tak-Ty Rolls (Hook and Loop)

Cable Entry Grommets

Tak -Ty Rolls

CAUTION: Use extreme care when opening and closing the cover when equipment is installed. The cover MUST be controlled by the user when opening to prevent damage to the enclosure, equipment, and the end user.
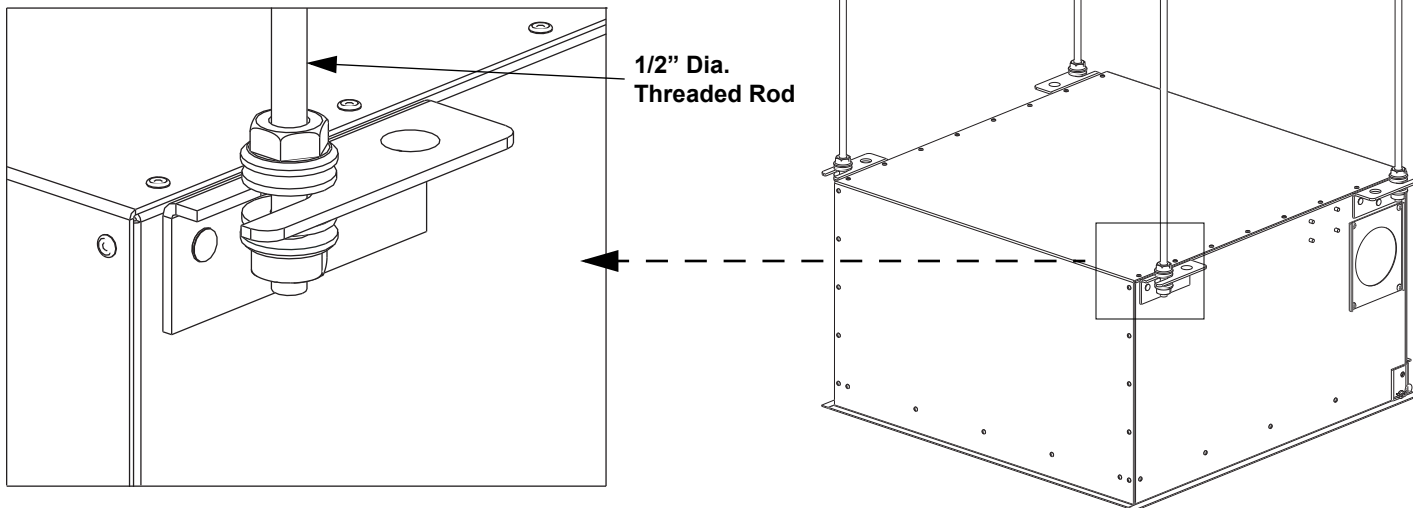
Mounting Brackets

Air Inlet

Fan Module (PZICEAE Only)

Latches

Electrical Junction Box Location

Entry/Exit Knockouts

Integrated Horizontal Slack Manager

Note: Enclosure door load rating is 35 lbs.

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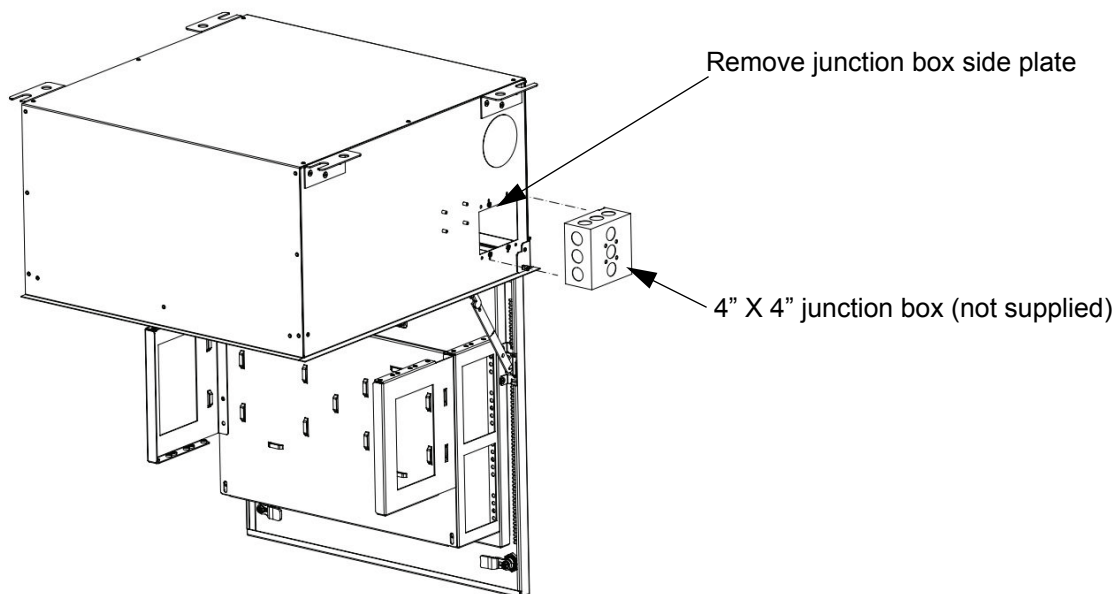

Install in Ceiling

Install (4) 1/2" dia. threaded rods to the building structure. The 1/2" dia. threaded rod must be attached on all four corners of the enclosure with a nut and washer above and below the support bracket. Level the enclosure so the weight is not supported by the ceiling grid system.

1/2" Dia. Threaded Rod
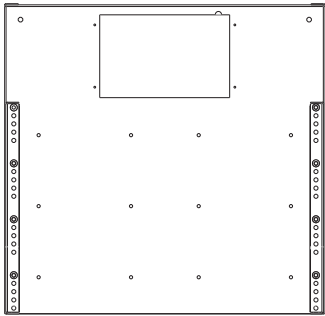
Electrical Installation

Mounting and installing the electrical components and receptacles should be completed by an experienced professional to the latest local building codes and regulations.

Not included with the enclosure is a standard 4" X 4" electrical junction box. Remove the installed junction box cover plate and install a junction box in place as shown below.
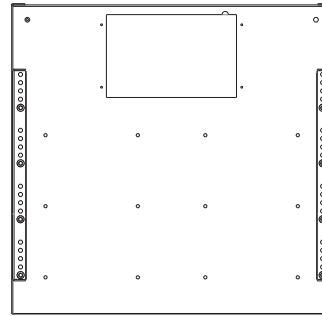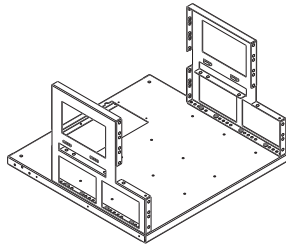
Remove junction box side plate

4" X 4" junction box (not supplied)

Active/Passive Network Equipment Installation

Adjust the brackets forward or backward to accommodate the desired depth for the intended active equipment. Shown below are two examples of where to attach the mounting brackets, however the brackets can be adjusted in 1/2" increments to better fit desired network active equipment.

Brackets mounted toward front
for deepest active equipment

Recommended for switches
17.5" deep

Brackets mounted toward back
for shallower active equipment

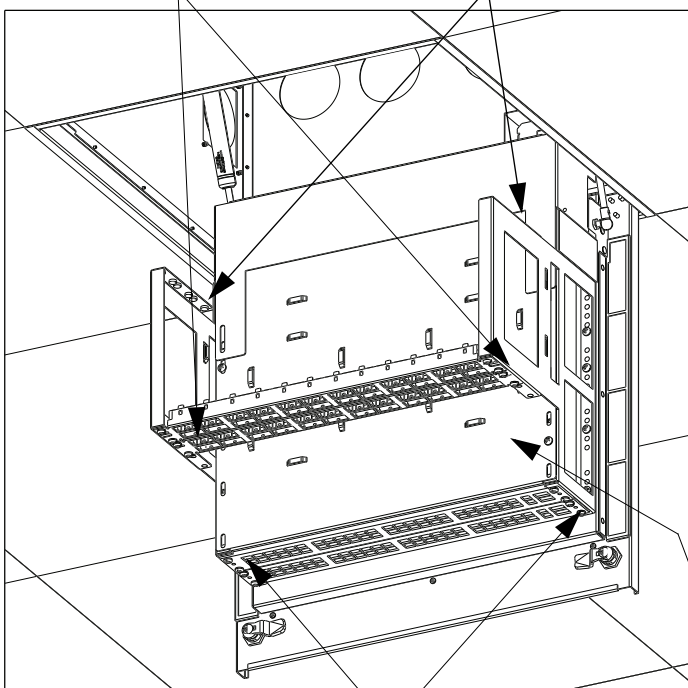Recommended for switches
15.5" or less

Mount the desired equipment to the recommended mounting locations. The upper level of the brackets are recommended for use with patch panel applications while the lower level is designed to hold your network switches.

Note: Maintain a minimum gap of approximately 1/2" (12mm) between the door and the bottom of the switch for air flow.
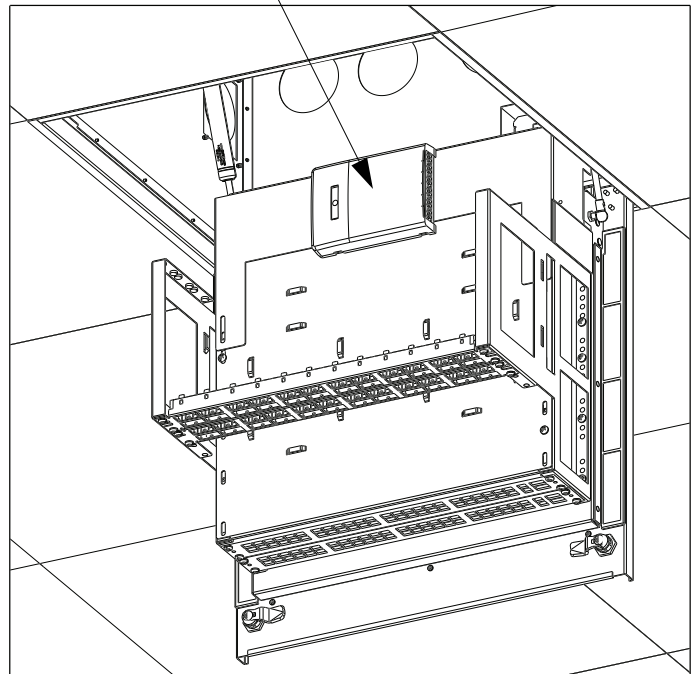
3 RU for Patch Panels facing forward

3 RU for Patch Panels facing back

Mounting position for fiber termination box
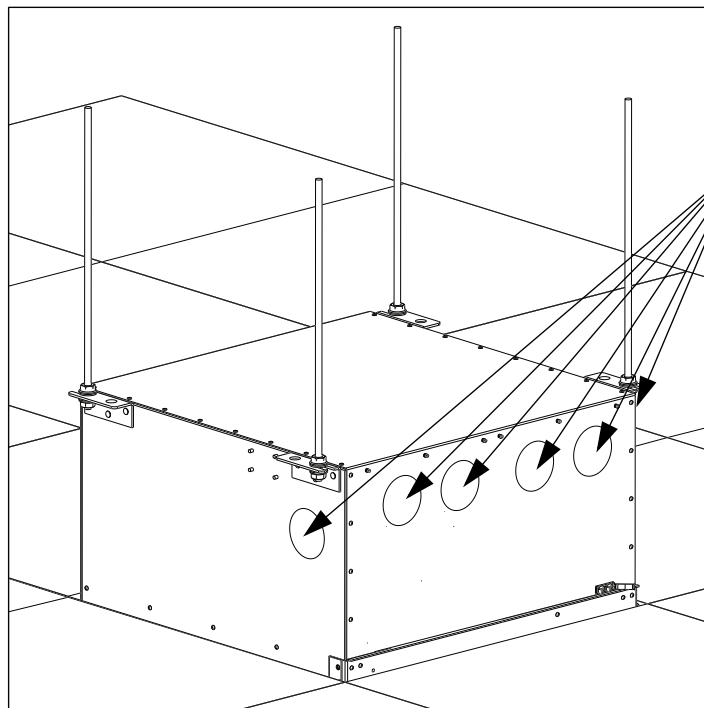

2 RU for Network Switches

Integrated Horizontal Slack Manager

Cable Routing and Slack Management

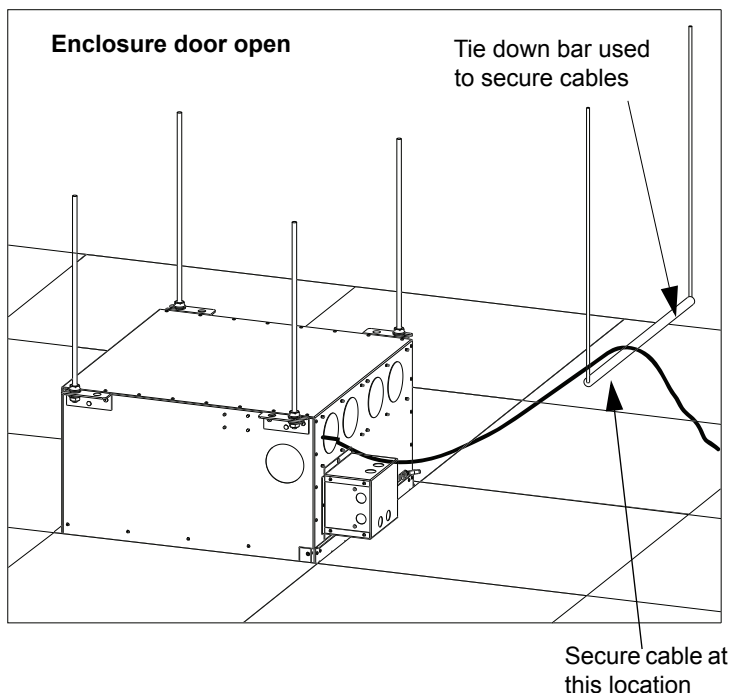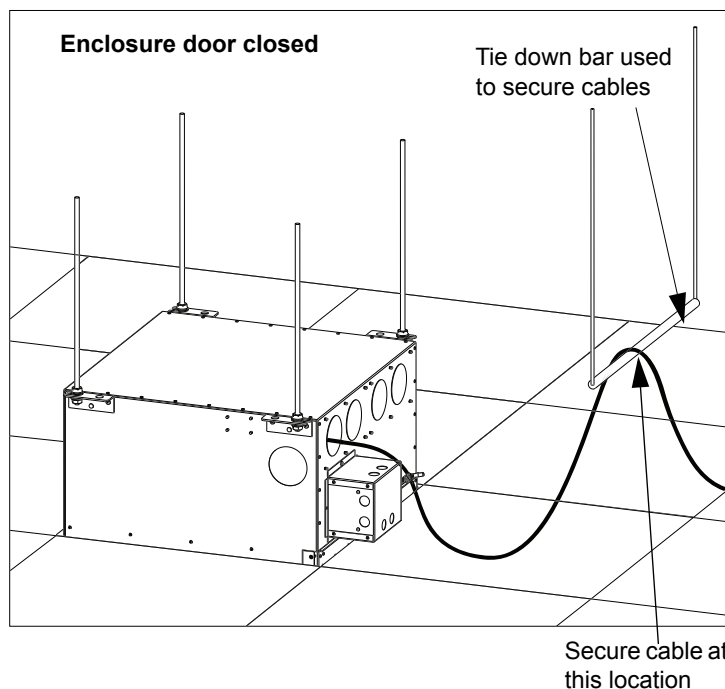**Note:** Install all cabling in accordance with NEC article 300.22 and article 800.

Entry/Exit knockouts

Determine the direction of the incoming and outgoing cables in order to select which entry/exit knockouts to remove. Once removed install the grommets from the inside of the enclosure. (Each grommet is designed to hold 48 Category 6a cables.)

Cable Routing

Utilizing the four back grommets requires a proper slack loop to allow the door to open and close properly. The diagrams below illustrate how to route the cables and where to secure the cables using a tie-down bar. The tie off point should be approximately 24" away from cable entering point of enclosure and 6" above the top.

NOTE: Allow a minimum of 14" of cable slack to allow the door to open and close properly.

Enclosure door closed

Tie down bar used to secure cables

Secure cable at this location

Enclosure door open

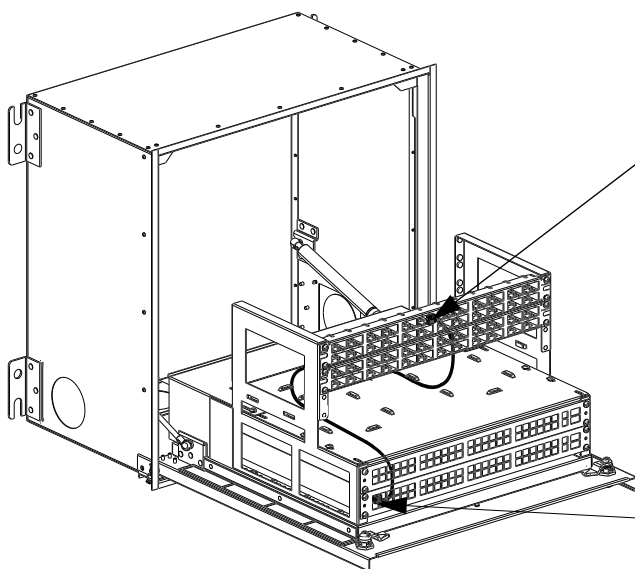Tie down bar used to secure cables

Secure cable at this location

Cable Routing and Slack Management

Shown to the left is the recommended patch cord routing from (2) 48- port switches to (2) 48-port patch panels.

The image below demonstrates how cables are routed from switch to patch panels.

Patch Cord Management

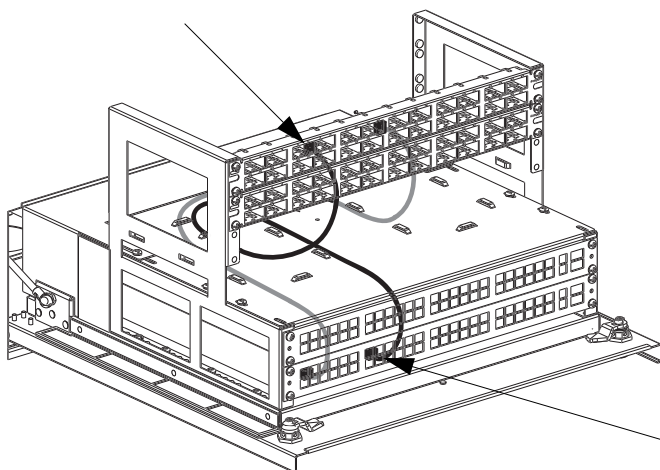## Step 1

Plug in a 3' (1m) patch cord into a port on the switch. Route patch cord up and into the integrated horizontal slack manager. Create a loop in the patch cord and bring forward. Plug other end of the patch cord into the desired jack in the patch panel.

Repeat the process for each bay of ports on the switch. Use Tak Ties to secure cables to sheer forms located on the horizontal slack manager.
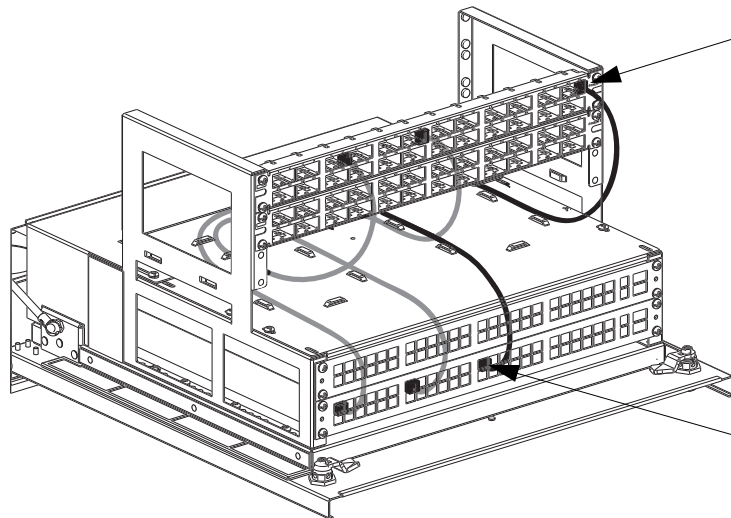
First bay of ports (12) on the switch

Step 2

Plug in a 3' (1m) patch cord into a port on the switch. Route patch cord up and into the integrated horizontal slack manager. Create a loop in the patch cord (**opposite direction of step 1**) and bring forward. Plug other end of the patch cord into the desired jack in the patch panel.

Repeat the process for each bay of ports on the switch. Use Tak Ties to secure cables to sheer forms located on the horizontal slack manager.

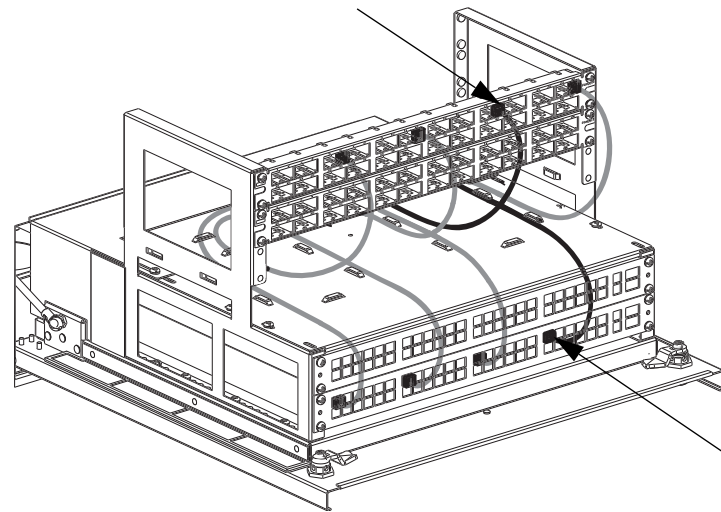Second bay of ports (12) on the switch

Patch Cord Management (cont'd)

Step 3

Plug in a 3' (1m) patch cord into a port on the switch. Route patch cord up and into the integrated horizontal slack manager. Create a loop in the patch cord and bring forward. Plug other end of the patch cord into the desired jack in the patch panel.

Repeat the process for each bay of ports on the switch. Use Tak Ties to secure cables to sheer forms located on the horizontal slack manager.

Third bay of ports (12) on the switch

Step 4

Plug in a 3' (1m) patch cord into a port on the switch. Route patch cord up and into the integrated horizontal slack manager. Create a loop in the patch cord (**opposite direction of step 3**) and bring forward. Plug other end of the patch cord into the desired jack in the patch panel.
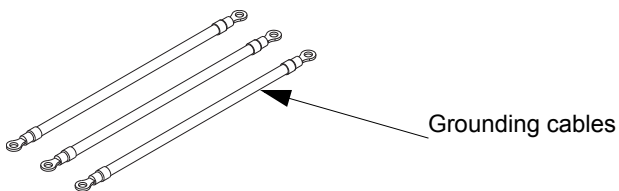
Repeat the process for each bay of ports on the switch. Use Tak Ties to secure cables to sheer forms located on the horizontal slack manager.
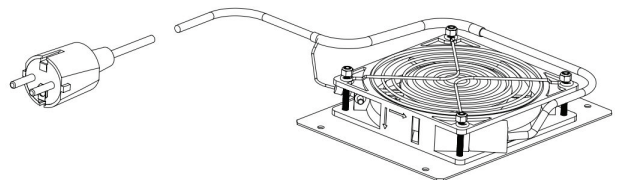
Fourth bay of ports (12) on the switch

Accessories

Grounding and Bonding Kit

PZICGK

Grounding cables

PZICGK
HARDWARE

#
PC

0 0 074983 55515 3

D.C.NUMBER: C00000000   MADE IN USA

PANDUIT

European Fan Kit (Schuko plug, 220V)

PZICFK-EE

For instuctions in Local Languages and Technical Support:

www.panduit.com/resources/install_maintain.asp

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