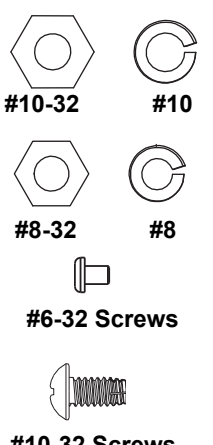
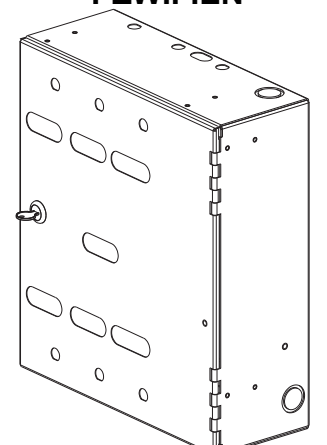


INSTRUCTIONS CM365

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<p>Hardware Guide</p> 	<p>List of Common Components:</p> <table border="0"> <tr> <td>(4) #10-32 Hex Nuts</td> <td>(2) PAN-TY mounts (PANDUIT Part No. ABMM-A-C)</td> </tr> <tr> <td>(4) #10 Split Lock Washers</td> <td>(4) PAN-TY Cable Ties (PANDUIT Part No. PLT1.5I-C)</td> </tr> <tr> <td>(4) #8-32 Hex Nuts</td> <td>(1) Foam Retention Plate</td> </tr> <tr> <td>(4) #8 Split Lock Washers</td> <td>(2) Keys</td> </tr> <tr> <td>(2) #6-32 Screws</td> <td>(2) Latching Wire Clips (Panduit Part No. LWC50-A-L)</td> </tr> <tr> <td>(1) Grounding Cable</td> <td>(4) # 10-32 X 3/8" Thread Cutting Screws</td> </tr> <tr> <td>(4) Pieces of Fire Resistant Foam</td> <td></td> </tr> <tr> <td>(1) 26" length Grommet Edging</td> <td></td> </tr> <tr> <td>(1) 2 Position Surface Mount Box (PANDUIT Part No. CBXJ2WH-A)</td> <td></td> </tr> </table> <table border="0"> <tr> <td>PZWIFIEN ONLY</td> <td>PZWIFIENS ONLY</td> </tr> <tr> <td>(1) 2' long Category TX6 Plus Patch Cord (PANDUIT Part No. UTPSP2)</td> <td>(1) Minicom TX6 plus shielded jack (CJS666TGY)</td> </tr> <tr> <td>(1) Category TX6 Plus Jack Module (PANDUIT Part No. CJ688TGWH)</td> <td>(1) 1M STP TX6 plus patch cord (STP6X1MBU)</td> </tr> </table>	(4) #10-32 Hex Nuts	(2) PAN-TY mounts (PANDUIT Part No. ABMM-A-C)	(4) #10 Split Lock Washers	(4) PAN-TY Cable Ties (PANDUIT Part No. PLT1.5I-C)	(4) #8-32 Hex Nuts	(1) Foam Retention Plate	(4) #8 Split Lock Washers	(2) Keys	(2) #6-32 Screws	(2) Latching Wire Clips (Panduit Part No. LWC50-A-L)	(1) Grounding Cable	(4) # 10-32 X 3/8" Thread Cutting Screws	(4) Pieces of Fire Resistant Foam		(1) 26" length Grommet Edging		(1) 2 Position Surface Mount Box (PANDUIT Part No. CBXJ2WH-A)		PZWIFIEN ONLY	PZWIFIENS ONLY	(1) 2' long Category TX6 Plus Patch Cord (PANDUIT Part No. UTPSP2)	(1) Minicom TX6 plus shielded jack (CJS666TGY)	(1) Category TX6 Plus Jack Module (PANDUIT Part No. CJ688TGWH)	(1) 1M STP TX6 plus patch cord (STP6X1MBU)	<p>PZWIFIEN</p> 
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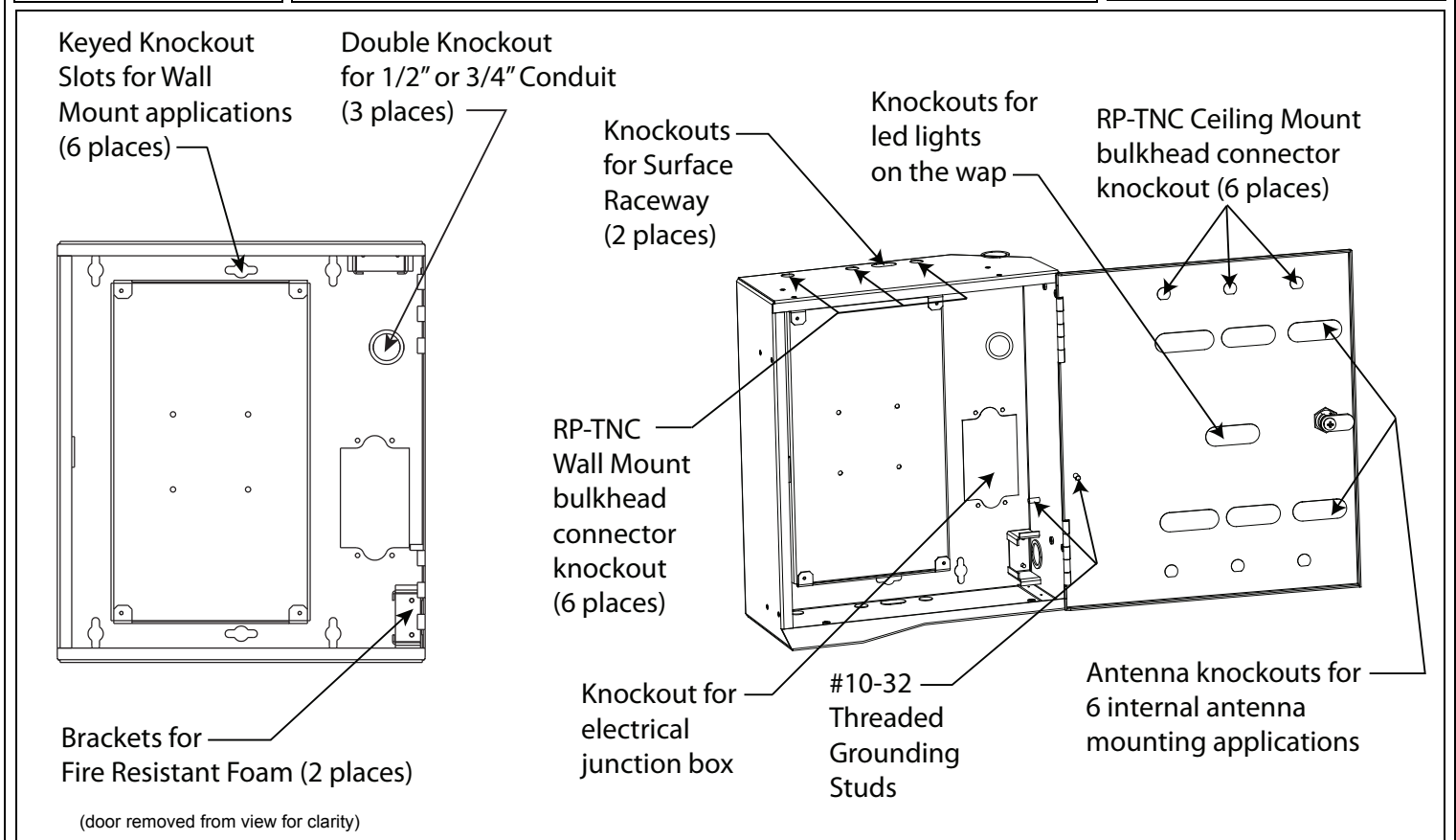


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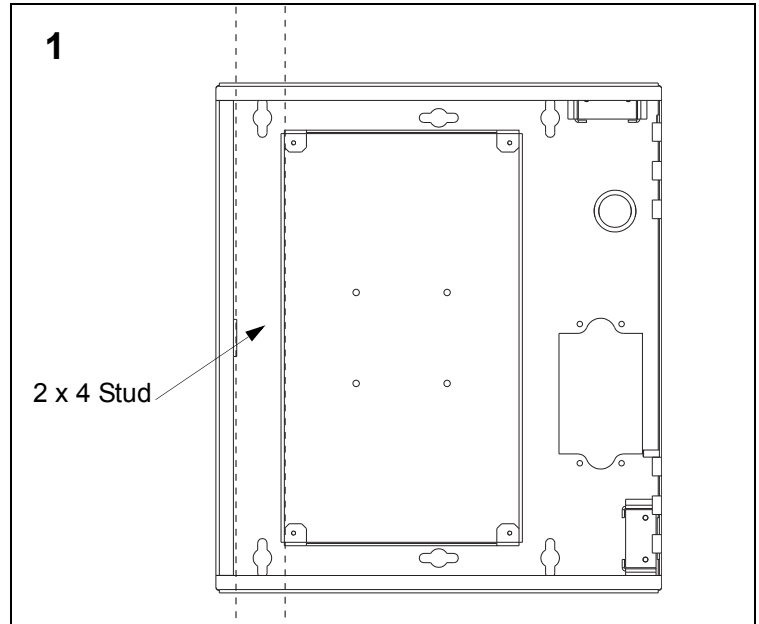
Wall Mount Installation

Refer to the installation and configuration guidelines provided by the manufacturer of the wireless access point to determine the optimum enclosure installation location and antenna configuration.

Please read these instructions in their entirety prior to installing the enclosure.

Step 1: Mount Enclosure to Wall

- 1.1 Locate the wall studs.
- 1.2 Hold the enclosure against the wall to mark the location of the mounting holes.
- 1.3 Mount the enclosure to the wall using mounting screws and wall anchors (not included). Enclosure designed for use with #14 screws.



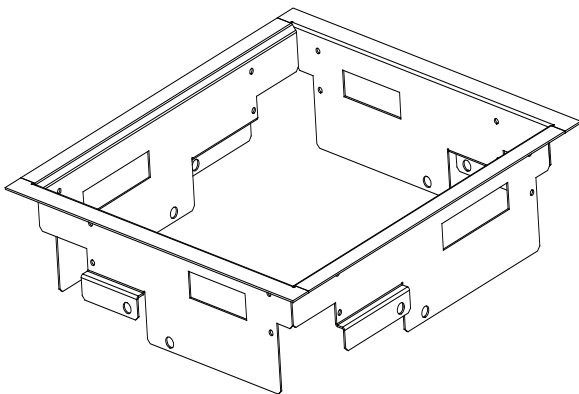
In-Ceiling Mount Installation

Refer to the installation and configuration guidelines provided by the manufacturer of the wireless access point to determine the optimum enclosure installation location and antenna configuration.

Please read these instructions in their entirety prior to installing the enclosure.

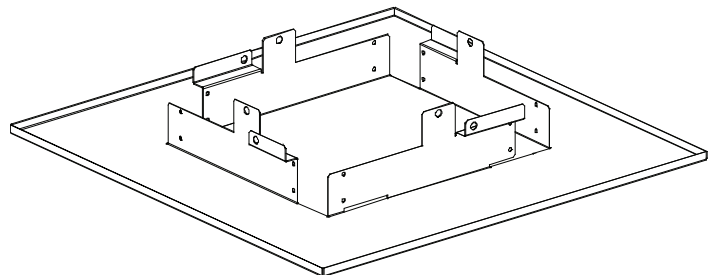
Note: PANZONE Enclosures Require one of the following additional part numbers for in-ceiling applications

PANDUIT Part #:PZWIFIDCB - PANZONE Wireless Access Point In-Ceiling Bracket Kit



See Step 2-3 for installation instructions

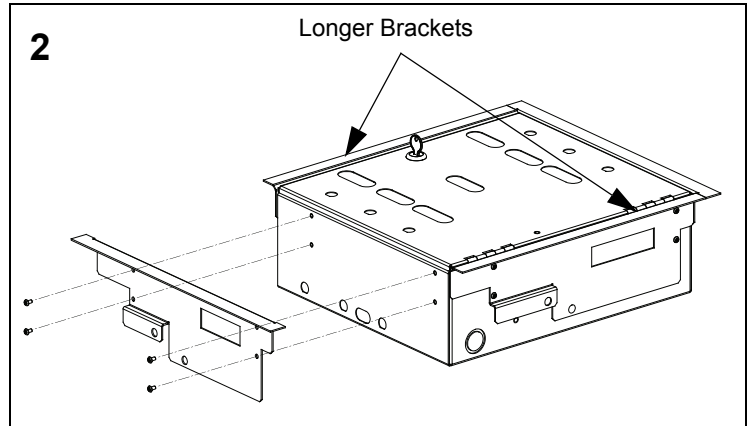
PANDUIT Part #:PZW2X2DCB - PANZONE Wireless Access Point In-Ceiling 2'x 2' Bracket Kit



See Step 4 for installation instructions

Step 2: Install In-Ceiling Frame Style Brackets

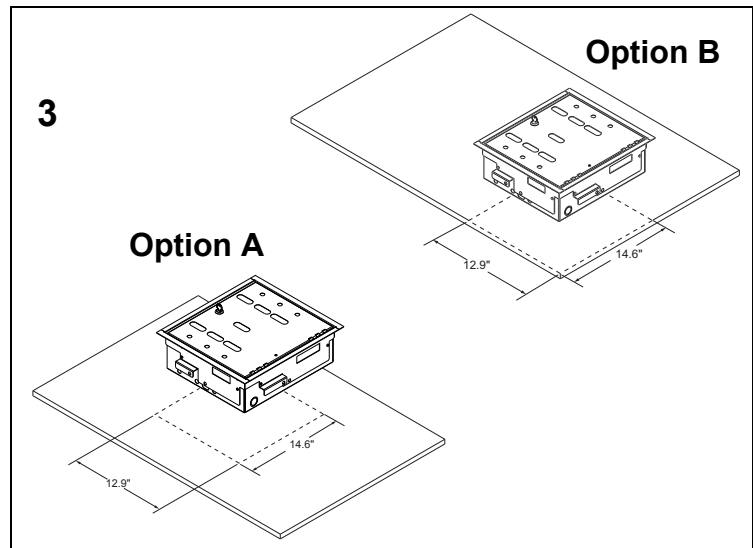
- 2.1 Install Ceiling Mount Brackets against side wall of the enclosure with the flanged edge facing away from the enclosure. (see figure 2) The top of the flanged edge should be even with the enclosure door.
- 2.2 Fasten the bracket to the base of the enclosure using four of the supplied #6-32 Screws.
- 2.3 Repeat steps for remaining 3 Ceiling Mount Brackets.



Step 3: Prepare Ceiling Tile

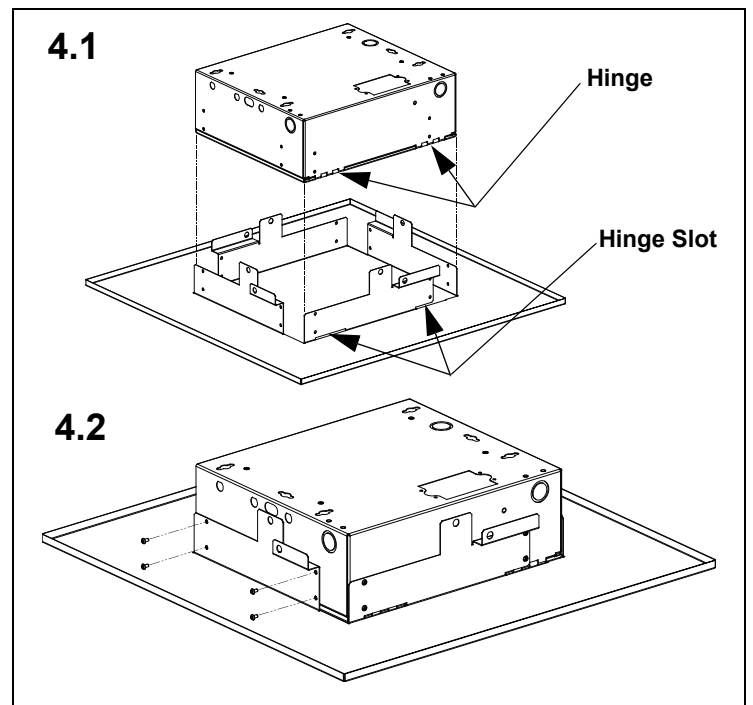
- 3.1 When the enclosure will be mounted in a suspended ceiling, a rectangular hole that is approximately **12 7/8" x 14 5/8"** must be cut in the ceiling tile.
- 3.2 It is important that the hole be no smaller than **12 5/8" x 14 3/8"** and no larger than **13 1/8" x 14 7/8"**. This will ease installation and prevent visible gaps around the enclosure once installed.

Note: The bottom edges of the assembled enclosure brackets can be used as a guide to trace the square hole size onto the ceiling tile.



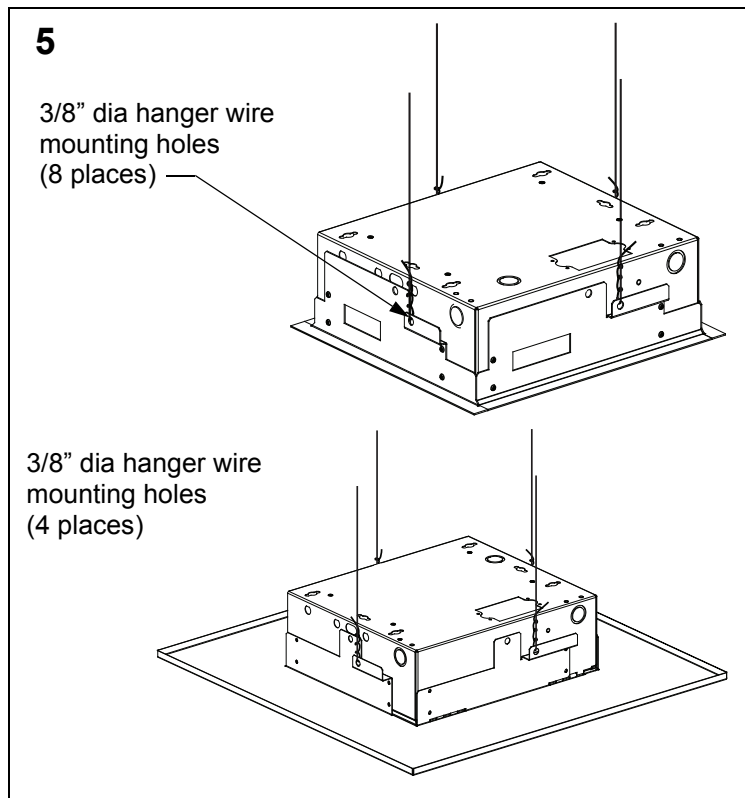
Step 4: Install In-Ceiling 2' X 2' Style Bracket

- 4.1 Insert enclosure into bracket as shown by aligning the enclosure's hinge with the hinge slots in the ceiling bracket.
- 4.2 Secure the four sides of the enclosure to the bracket with (4) #6-32 screws provided with the bracket as shown.



Step 5: Hanging Enclosure in Bracket

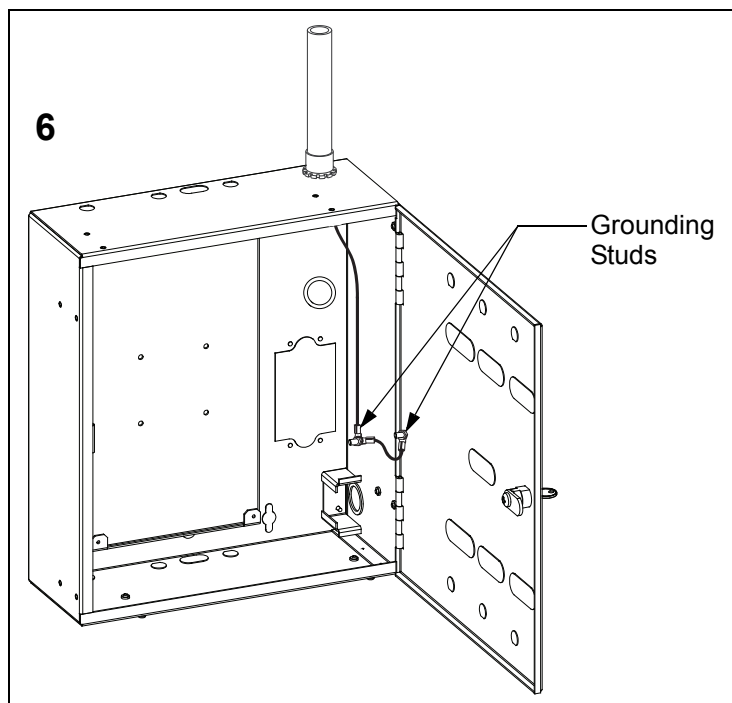
- 5.1 Hanger wire should be used to hang the enclosure within a suspended ceiling. **Important:** Verify hanger wire meets local building code. Weight of the enclosure, mounting brackets, and equipment does not exceed 20 lbs. The enclosure is rated to hold up to 10 lbs of equipment.
- 5.2 Observe how the hanger wire used to hold the ceiling support grid is secured to the building structure.
- 5.3 Remove one tile adjacent to the tile the enclosure will be mounted in.
- 5.4 Secure four pieces of hanger wire (not included) to the building structure. The hanger wire length will be determined by the installer based on the building structure dimensions above the suspended ceiling. Extend the length of the hanger wire beyond the surface of the ceiling by at least 6".
- 5.5 Add the cut ceiling tile back to the ceiling support grid.
- 5.6 Pull one of the four pieces of hanger wire to one corner of the square opening in the ceiling tile. Pre-bend the hanger wire at a 90° angle approximately 2 1/2" above the surface of the ceiling tile. Repeat this step for the remaining 3 hanger wires measuring to the three remaining corners of the square opening.
- 5.7 Insert the enclosure into the cut ceiling tile opening.
- 5.8 While holding the enclosure flush with the surface of the ceiling tile, route the hanger wire through one of the eight 3/8" dia hanger wire mounting holes and bend up. Pull the wire upward until the enclosure is flush with the ceiling tile. Repeat this step using the three remaining hanger wires to secure the three remaining corners of the enclosure.



- 5.9 Visually inspect the edges of the enclosure to verify no gaps exist between the mounting brackets and surface of the ceiling tile. If gaps exist, pull the hanger wire upward until the enclosure is tight against the ceiling tile.
- 5.10 To secure the enclosure, wrap each hanger wire tightly around itself a minimum of three times.
- 5.11 Replace the adjacent ceiling tile.

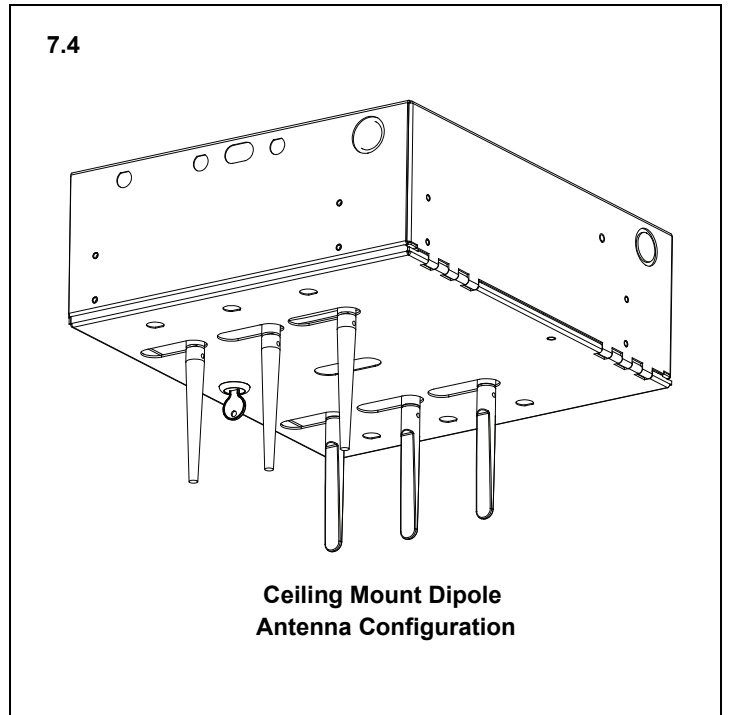
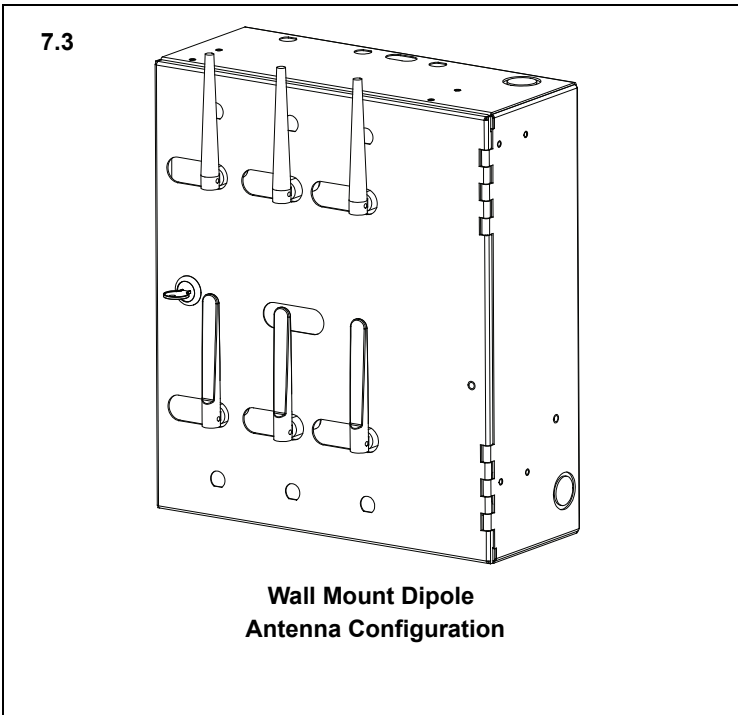
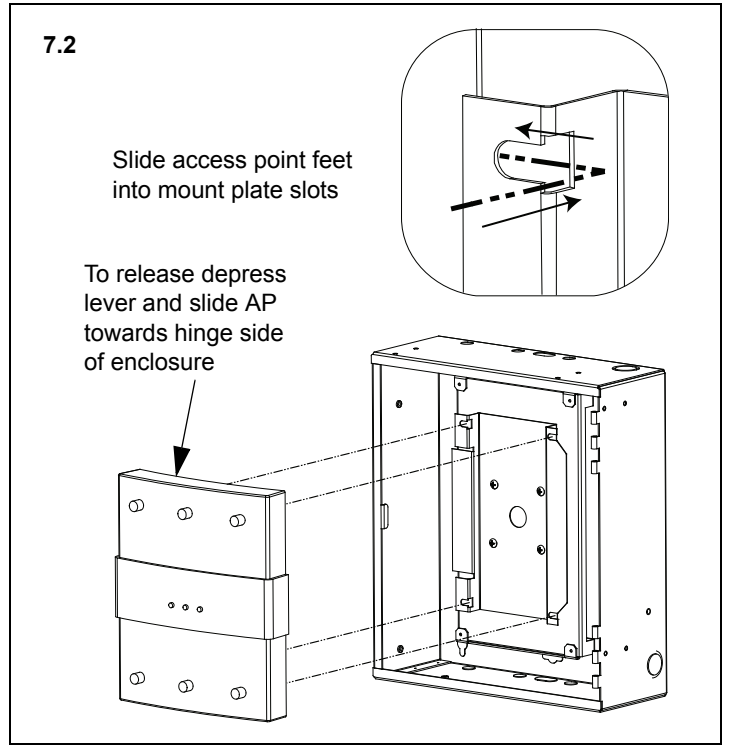
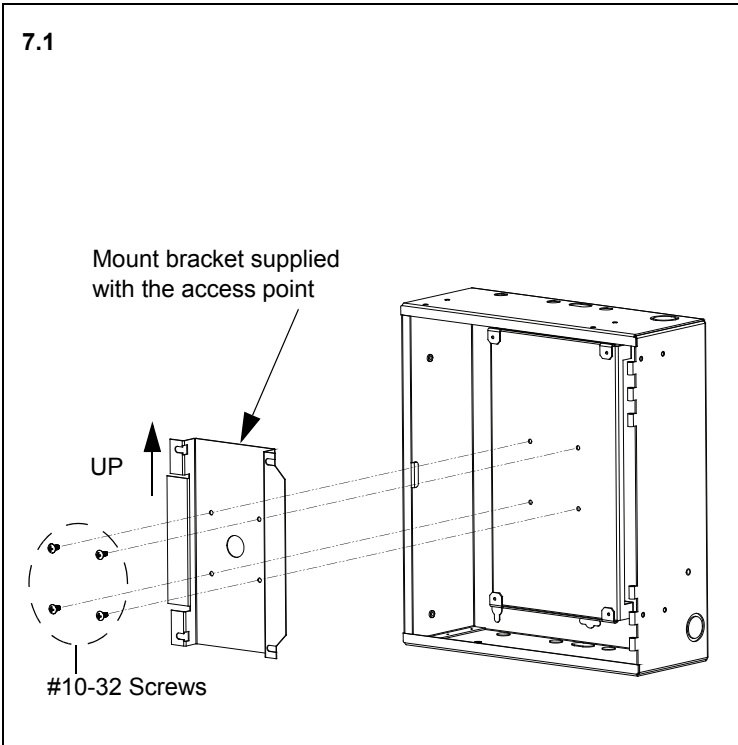
Step 6: Grounding

- 6.1 Run cable from the Telecommunications Grounding Busbar (TGB) to the enclosure and attach to the grounding stud on the base.
- 6.2 Using the supplied Grounding Cable, attach one end to the grounding stud on the base (on top of TGB cable) and the other end to the grounding stud on the door.
- 6.3 Secure with the #10 Split Lock Washers and #10-32 Hex Nuts.



Step 7: Cisco Aironet 1250 Series Access Point Wall Mount and In-Ceiling Installation

1. Install the mounting bracket supplied with the access point using the (4) #10-32 X 3/8" thread cutting screws as shown in **Figure 7.1**
2. Install wireless access point per manufacturers instructions to the mounting bracket as shown in **Figure 7.2**
3. Install dipole antennas as shown in **Figure 7.3** for wall mounting applications.
4. Install dipole antennas as shown in **Figure 7.4** for in-ceiling mounting applications.

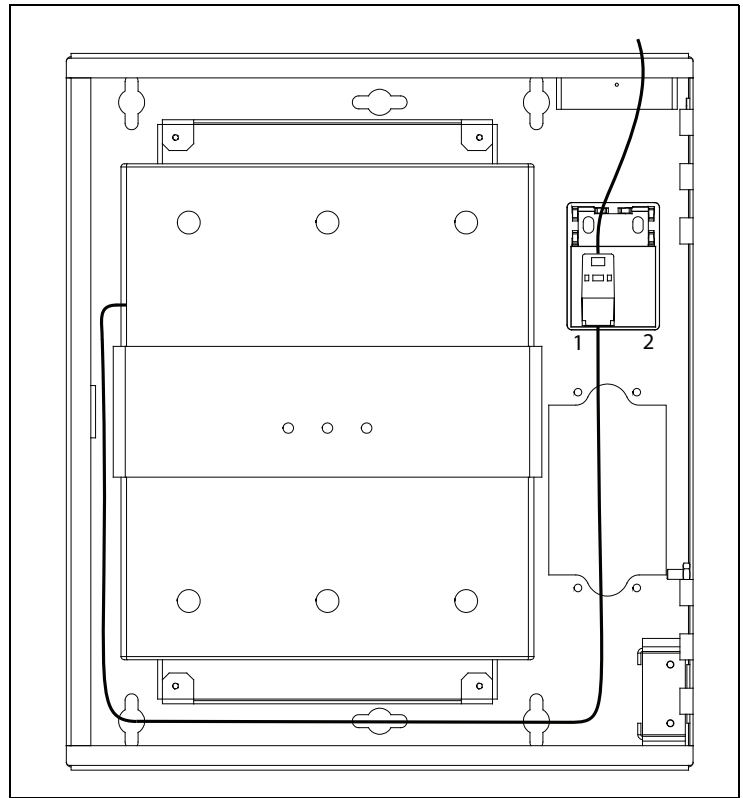


Cable Routing

Step 8: Install Surface Mount Box

- 8.1 Run the network cable to and into the enclosure.
- 8.2 Terminate the TX6 PLUS Jack Module to the network cable. Refer to the *PANDUIT* web site for jack termination instructions if needed.
- 8.3 Mount the base of the 2 Position Surface Mount Box to the back wall of the enclosure using provided double sided tape.
- 8.4 Snap the terminated jack into position "1" of the box. Place the network cable between the two cable retention tabs on the back of the base.
- 8.5 Remove the breakout tab on the back of the cover.
- 8.6 Snap the cover onto the base.

Note: A second Jack Module can be installed in position "2" of the surface mount box to provide access to the serial port on the WAP.



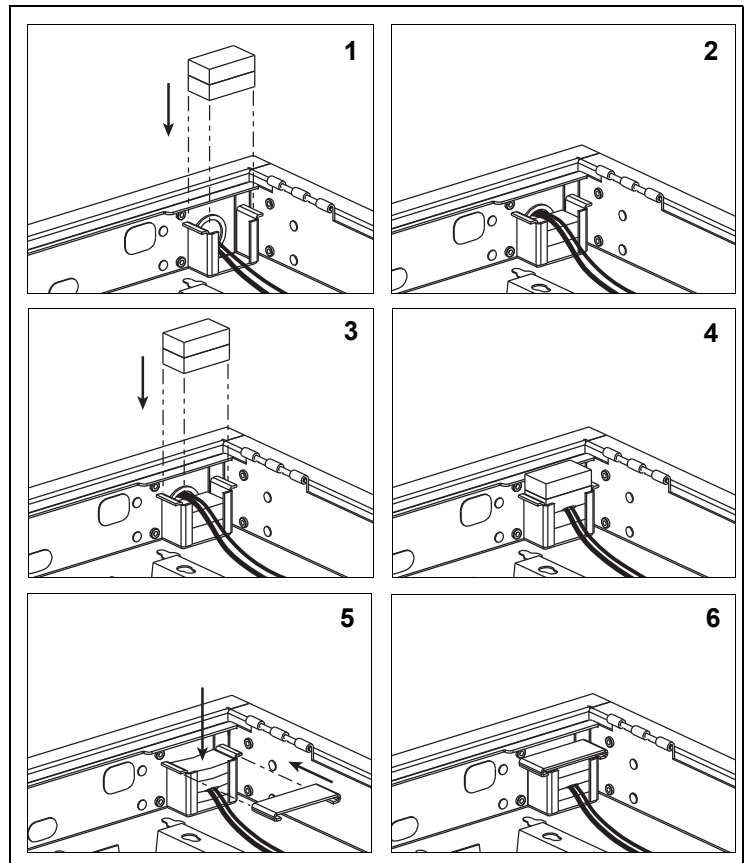
Step 9: Install Patch Cord

- 9.1 Insert one end of the 2' long TX6 PLUS Patch Cord into the RJ45 port located on the WAP.
- 9.2 Insert the other end of the patch cord into the TX6 PLUS jack located in the surface mount box.

Step 10: Install Fire Resistant Foam (if needed)

Note: Fire Resistant Foam used when network cable is routed into the enclosure without the use of conduit in flush wall mount and in-ceiling mount applications.

- 10.1 Place two pieces of fire resistant foam into the foam retention bracket. Both pieces should be underneath the network cable and the ground cable.
- 10.2 Place the remaining two pieces of fire resistant foam on top of the cables.
- 10.3 Press down on the foam and slide the foam retention plate into place. The expanding foam holds the retention plate in place.



Option 1: Wireless Access Point with External Antennas; Alternate Wall Installation

- 1.1 Remove RP-TNC knockouts shown in **Figure 1.1** for wall mounting.
- 1.2 In order to use bulkhead extender cables the mount plate must be rotated 180°. Reverse the mount plate by removing (4) #6-32 screws and fastening the mount plate to the enclosure base using the “short” mount flange.
- 1.3 Install access point as shown in **Figure 1.2** for wall mounting applications.
- 1.4 Install the bulkhead extender cables as shown in **Figure 1.3**.
- 1.5 Attach antenna extenders to wireless access point as shown in **Figure 1.4**.

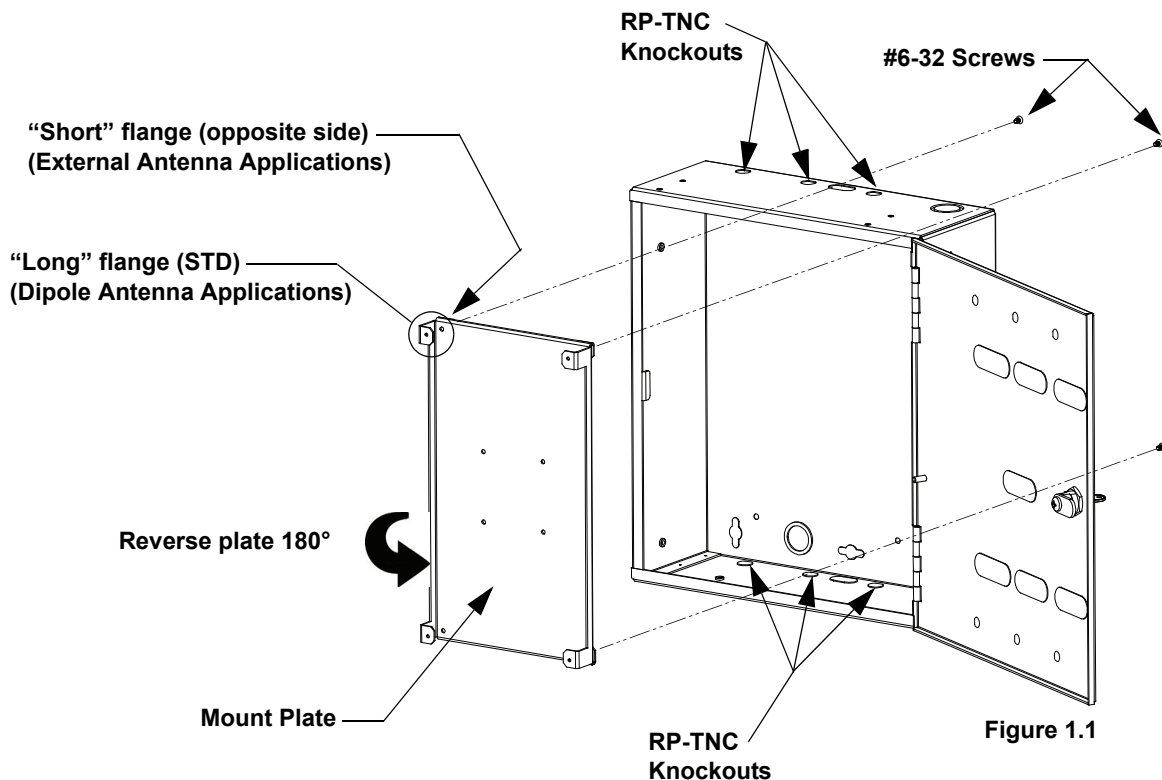


Figure 1.2

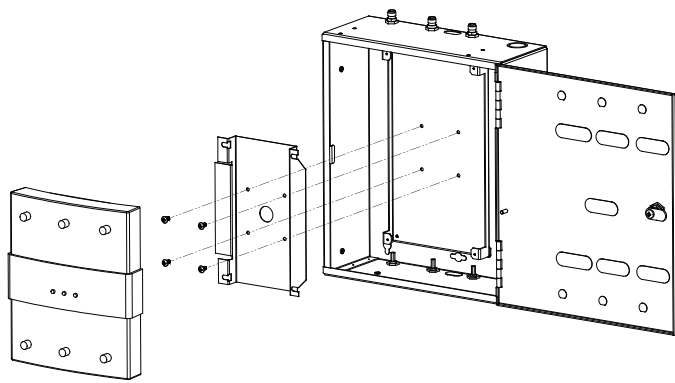


Figure 1.3

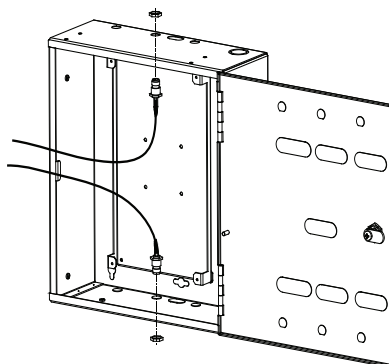
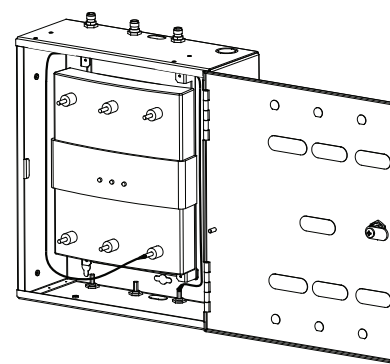


Figure 1.4



Option 2: Wireless Access Point with External Antennas; Alternate In-Ceiling Installation

- 2.1 Remove RP-TNC knockouts as shown in **Figure 2.1** for in-ceiling mounting.
- 2.2 In order to use bulkhead extender cables the mount plate must be rotated 180°. Reverse the mount plate by removing (4) #6-32 screws and fastening the mount plate to the enclosure base using the “short” mount flange.
- 2.4 Install access point as shown in **Figure 2.2** for in-ceiling mounting.
- 2.5 Install the bulkhead extender cables as shown in **Figure 2.3**.
- 2.6 Attach antenna extenders to wireless access point as shown in **Figure 2.4**.

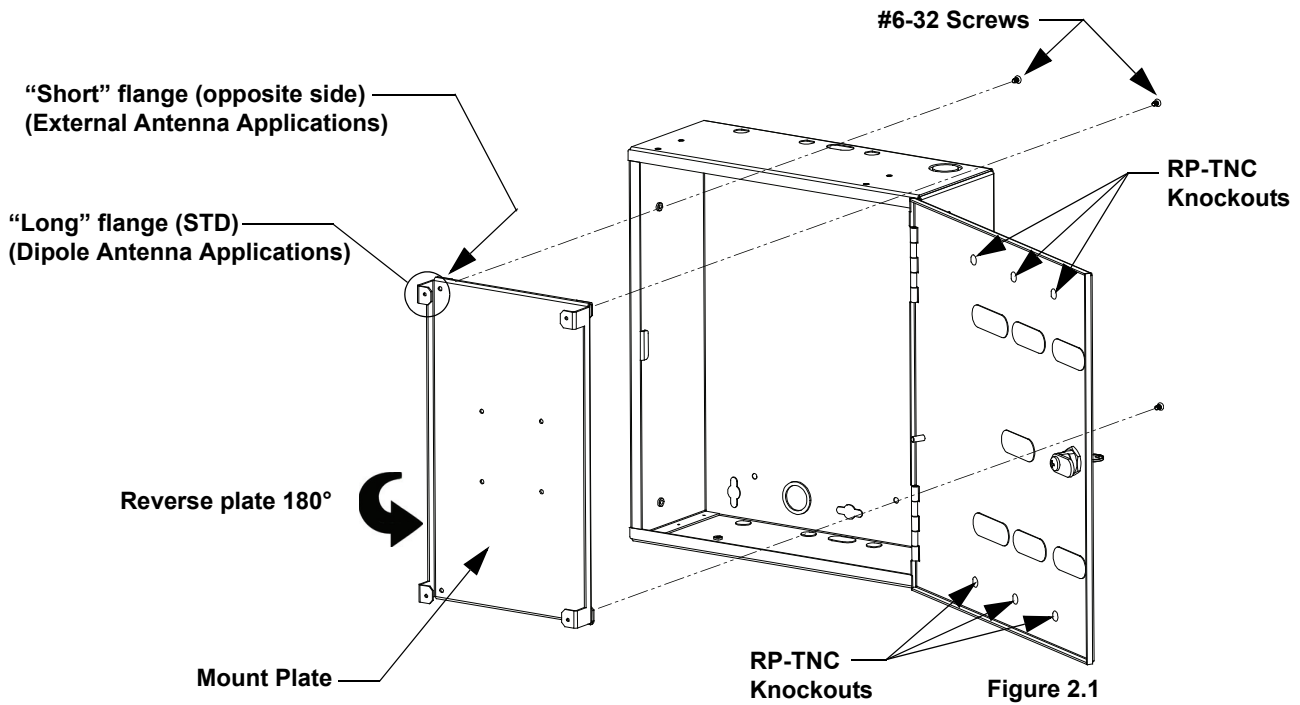


Figure 2.2

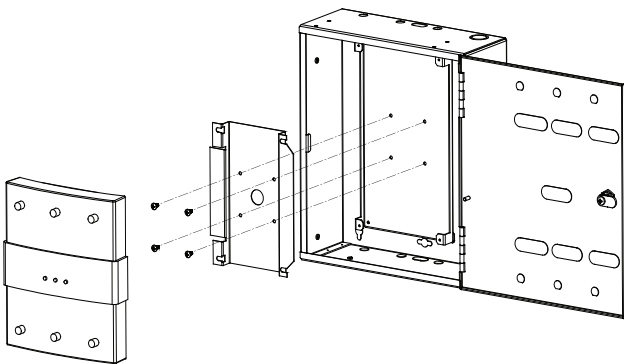


Figure 2.3

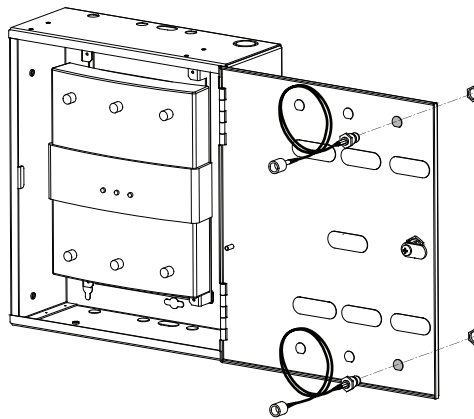
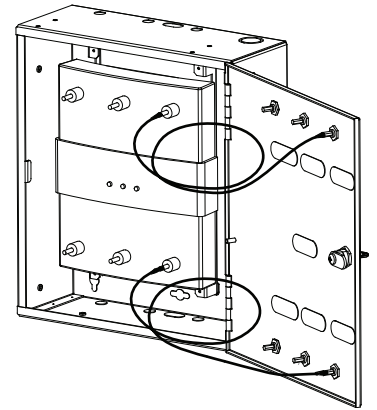


Figure 2.4



For instructions in Local Languages
and Technical Support:

www.panduit.com/resources/install_maintain.asp



www.panduit.com

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Fax: (708)444-6448