

POL Ceiling Mounted Enclosure Installation Procedure

General Safety Precautions:

Read the below warning before product installation to ensure a safe work environment

Ceiling mounted products should be installed according to NEC paragraphs 300.10, 300.11 and all other applicable articles of the NEC.

Suspended or similar-type ceiling grids are not designed to support the weight of this enclosure. Alternative means of supporting the enclosure's weight must be used for installation into a suspended ceiling. Provided hardware allows for installation utilizing threaded rod, support wires, or other appropriate means of support.

Ensure that door is supported when opening to prevent accidental injury from swinging door. Also, always ensure that latch is securely engaged after closing door.

Enclosure is intended to be installed only by trained personnel.

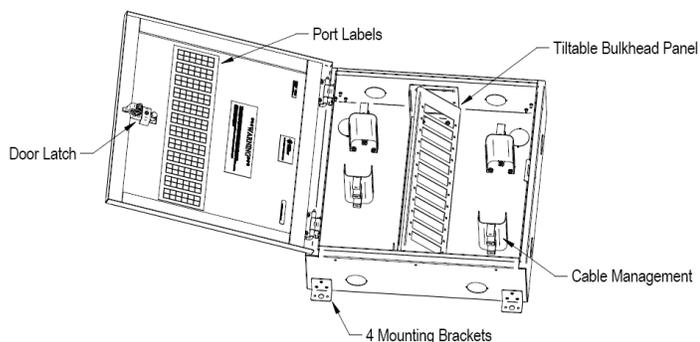
Enclosure is to be repaired only by personnel trained by the manufacturer or returned to the manufacturer for repair or replacement.

All knockouts or other openings into enclosure must be sealed with a metal barrier or alternative material that complies with UL 2043.

Maximum weight to be installed in the unit is 25 lbs.

The interior of the enclosure should not exceed the maximum ambient temperature of 55°C

Assembly view



Contents

1 – ZED12AP or ZES6AP enclosure

1 – Accessory kit that includes **Mounting Brackets (4), cable entry/exit bushings (2), and mounting bracket screws (12)**

Optional Accessories

ZETRIMKIT

Trim kit for mounting in drop ceiling, US standard

ZETRIMKIT-M

Trim kit for mounting in drop ceiling, metric

PONCMT3SCAPC

MT-SC/APC Breakout cassette with angled body for zone enclosures

PONC1X4SCAPC

1X4 Splitter cassette with angled body for zone enclosures

PONC1X8SCAPC

1X8 Splitter cassette with angled body for zone enclosures

PONC1X16SCAPC

1X16 Splitter cassette with angled body for zone enclosures

PONC1X32SCAPC

1X32 Splitter cassette with angled body for zone enclosures

PONC2X16SCAPC

2X16 Splitter cassette with angled body for zone enclosures

PONC2X32SCAPC

2X32 Splitter cassette with angled body for zone enclosures

Ensure you order the correct trim kit for your drop ceiling. US drop ceiling tiles measure 24 inches wide, metric drop ceilings are 600 mm (23.62 in).

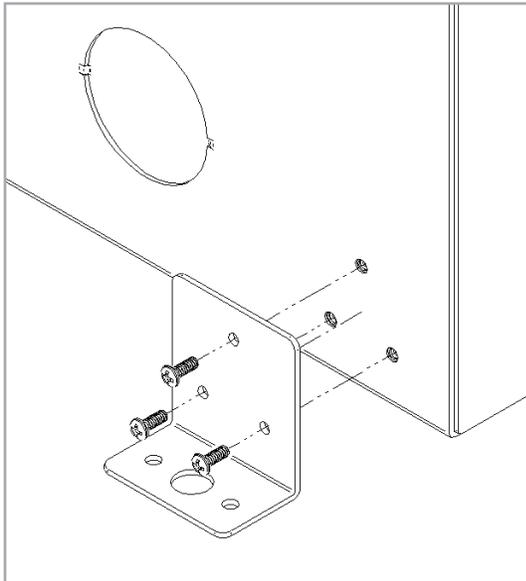
Trim kits and cassettes are compatible in both ZED12AP and ZES6AP zone enclosures.

Splitter cassettes, break-out cassettes, and adapter plates all sold separately. Visit www.occfiber.com for ordering information.

Mounting enclosure

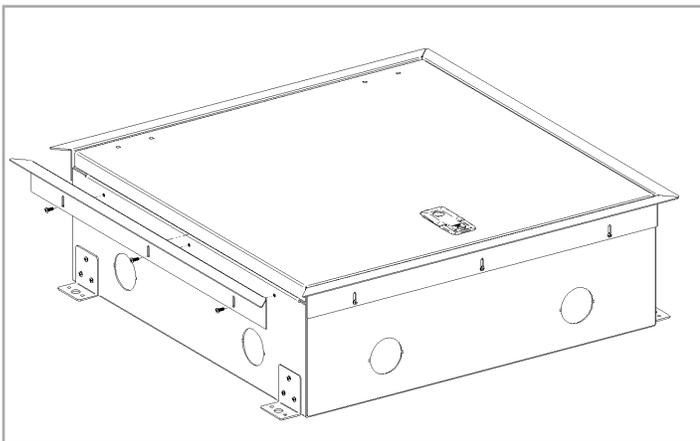
1. Affix the mounting brackets to the enclosure using the #6-32 x 3/8" screws. The large center hole on each bracket is designed for use in mounting enclosure within a suspended ceiling. The two outer holes on each bracket are designed for mounting enclosure to a wall or other vertical surface. See figure 1.

Figure 1



2. To mount in drop ceiling, a ceiling trim kit must be installed onto the enclosure (P/N: ZETRIMKIT or ZETRIMKIT-M, ordered separately). Affix trim plates to enclosure using provided screws. Trim plates are adjustable. In the forward position (as shown) mounted enclosure will be flush with suspended ceiling. In the recessed position, surface of mounted enclosure will protrude from ceiling up to 0.5 inches. See figure 2.

Figure 2



NOTE: If suspended ceiling is shallow, ceiling trim kit should be assembled after threaded rod or support wires. (See step 5)

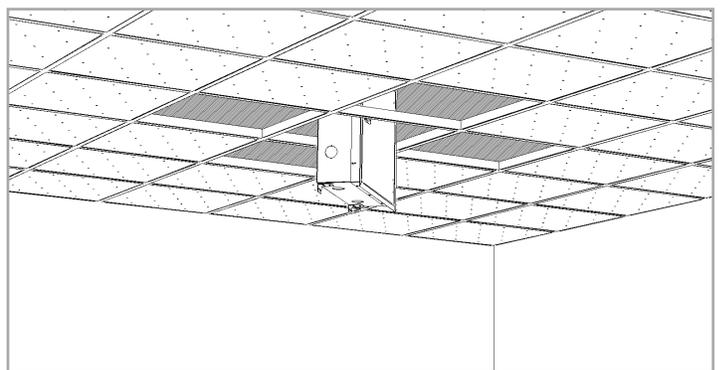
3. Determine mounting location in drop ceiling. Enclosure will replace one standard square ceiling tile. Remove selected ceiling tile as well as appropriate adjacent tiles.

4. Measure distance to the structural elements to which the enclosure will be mounted. Use this measurement to determine the length of threaded rod or supporting wire supports.

NOTE: Mounting hardware and supports are not included. If wall mounting, enclosure should be affixed to wall studs or equivalent supporting structure. If mounting in a suspended ceiling, use either threaded rod in conjunction with metal struts or 12-gauge, galvanized, soft-annealed support wires manufactured in accordance with ASTM A641 that meet Federal Specification QQ-W-461H and compliant with NEC Article 314.23 D. Support wires must be capable of supporting a fully loaded enclosure. Drop ceiling grid should not support the weight of the enclosure. Support wires or threaded rod should be adjusted to carry full weight of the enclosure. OCC is not liable for any failure to enclosure or suspended ceiling caused by any supporting hardware.

5. Making sure enclosure is shut and latched, insert enclosure into the suspended ceiling. Assembled box will have to be inserted at an angle (see figure 3). If space is limited, box should be inserted into ceiling without ceiling trim kit. Trim plates can be added after supporting rods or wires are assembled.

Figure 3



6. Assemble threaded rods or support wires , one per mounting bracket, according to specification and adhering to state and local building codes. All four mounting brackets should be used to properly secure enclosure. If using support wires, tightly wrap wire (typically consists of three complete wraps within 1 in.) Some jurisdictions may require four complete wraps for bracing wires. These requirements may vary by jurisdiction. In addition to wire wrap, cable clamps should also be used assuring clamps are torqued to clamp manufacturers specifications. Adjust so that ceiling trim plates barely make contact with ceiling grid assuring grid does not support weight of enclosure.

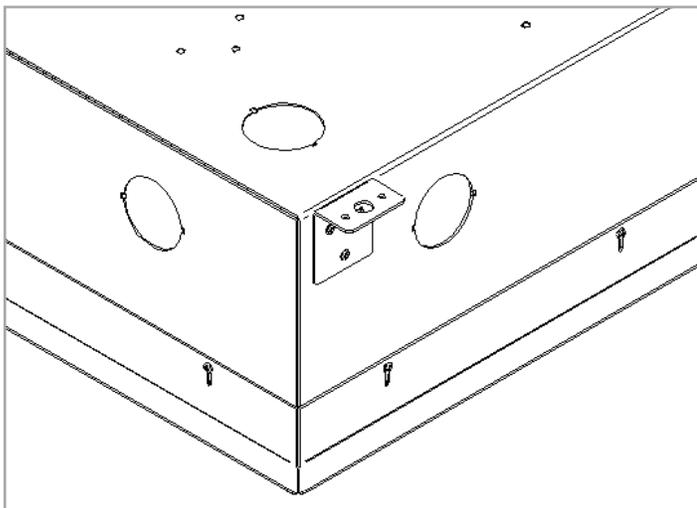
Installation

1. Determine which ports will be utilized and remove knockouts from openings. If wall mounting, use provided snap in bushings to protect fibers from opening.

NOTE: Snap-in bushings are rated to UL94 V-2.

If installing in suspended ceiling, the ingoing/outgoing openings shall utilize metal conduit fittings and/or fire-stop foam UL classified to XHHW. Foam shall be applied liberally assuring no openings for air exist and meet NEC 300.22(b) (c).

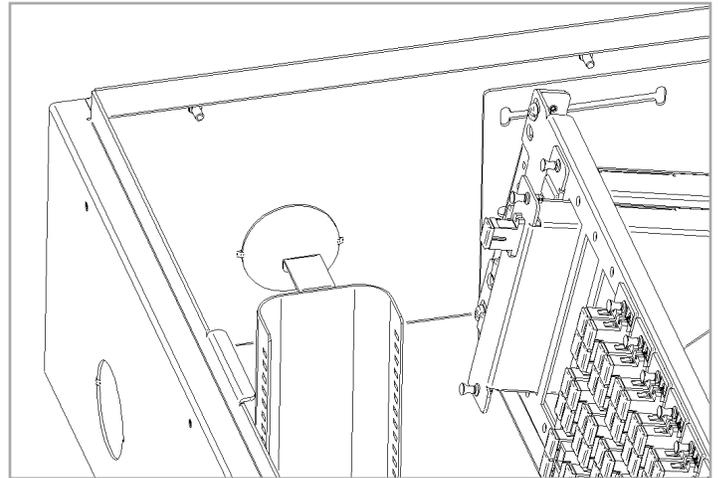
Figure 4



Installation

1. Fiber bundle must be inserted through opening in bulkhead panel before cassette is installed. Once bundle is pulled through opening, slide cassette into window. Wrap loose fiber around provided cable management system. Fasten cassette to the bulkhead by pushing the locking pins at the edges of each cassette into the mounting holes. See figure 5

Figure 5



2. Mount adapter plates in similar fashion. Fasten to bulkhead by pushing locking pins into appropriate mounting holes.

3. Attach connector ends of splitter bundle to the back of each adapter plate coupler. Utilize the provided port ID label to label appropriately following ANSI/TIA-606-B standards.

4. Following fiber installation, return bulkhead to recessed position and close cover ensuring that the door is properly latched and secure. Replace adjacent ceiling tiles. See figure 6

Figure 6

