

Installation Instructions

MODEL NUMBERS: BCE-6-P/BCE-24-P/BCE-48-P



- 1) This enclosure is made from .060 aluminum and are passive termination/distribution points designed for distribution and termination of telecommunications cabling only.
- (2) Plenum rated enclosures are designed to be installed by using one of four methods as noted in Step 2 below. It can be placed above a ceiling system or below a raised floor in accordance with local codes and regulations.
- (3) Each plenum enclosure includes two cable access point foam kits.

Note: The BCE Series Plenum models are designed to accept INLET and/or OUTLET cables from either end. These units require fire rated cable penetration foam kits (included). These kits are designed for simple (in the field) installation. See "Exhibit A" for Foam Sealing Kit installation instructions.

■ Assembly Components

- 1 ea. - BCE Series Basic Consolidation Enclosure.
 - The BCE-6-P comes with attached installation brackets.
 - The BCE-24-P and BCE-48-P do not have attached brackets.
 - 1 ea. - BCE Series Cover with sealing gasket.
 - 10-32 Wing Nuts to attach cover.
 - 2 ea. - Cable access brackets (installed at factory).
 - 2 ea. - Cable access bracket covers.
 - 2 ea. - Plenum Rated Foam Kits
- Installation Instructions



STEP 1

Opening the Shipping Box and Removal of the BCE Series Enclosure

- Prepare a location for the BCE Series enclosure and its components to be positioned for inspection after removal from the shipping container. The floor and ceiling mounting locations should provide enough mounting space and support capacity. After the BCE Series enclosure is properly installed, the cover and access brackets should be accessible for proper closure and sealing of the unit. The cover should be installed securely using the provided wing nuts. All cables should be routed through the two access ports and sealed with the provided Foam Sealing Kits according to "EXHIBIT A". All local codes and regulations should be followed.

NOTE: Parts 3-7 are located inside the enclosure

STEP 2

Enclosure Mounting Options

1. The BCE-P can be installed overhead with the cover facing down by using (4) 1/4" threaded rods of the required length (threaded rods and hardware provided by customer, according to local codes and regulations). The threaded rods should be securely anchored to ceiling deck or joist. The mounting hole pattern of the anchors should be the same pattern as that of the mounting brackets on the BCE-6. For the BCE-24-P and BCE-48-P, four (4) holes matching the mounting pattern in the ceiling deck or joist should be made in the bottom of the enclosure near each corner. Nuts and flat washers (supplied by customer) should be placed on both sides of the bottom of the enclosure and tightened securely. The threaded rod should penetrate a minimum length into the enclosure. Alternately these enclosures can be installed with metal strapping. The BCE Series enclosure is to be installed completely above a ceiling tile system. The tile should be replaced after enclosure installation.
2. The BCE Series enclosure can be wall mounted overhead with the cover facing to the side by using 1/4" x (appropriate length) threaded rods or screws (threaded rods, screws and hardware supplied by customer, according to local codes and regulations). The mounting surface should be large enough to allow all four mounting brackets in the BCE-6 or the full surface of the bottom of the BCE-24-P or BCE-48-P to support the enclosure. The threaded rods or screws should be securely anchored to the vertical surface. The mounting hole pattern of the brackets or holes in the box bottom should be the same pattern as that of the mounting anchors. Flat washers should be placed under nuts or screw heads inside the BCE-24-P and BCE-48-P.

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3. The BCE Series enclosures can be installed beneath a raised floor by placing the enclosure directly on the floor in the desired position. Threaded rods or screws (provided by the customer) can be used to secure the enclosure using the mounting brackets attached to its corners in the BCE-6 and customer made holes in the bottom in the BCE-24-P or BCE-48-P. The placement location should allow access to the cover and access bracket after enclosure placement. The raised floor panels must be re-installed after the installation of the enclosure. Flat washers should be placed under nuts or screw heads in the BCE-24-P or BCE-48-P.
4. The BCE Series enclosures can be installed below a raised floor in a raised or elevated position by using threaded rods, spacers, and other hardware (provided by the customer). The hardware must be attached to the four enclosure mounting brackets in the BCE-6 and customer made clearance holes in the bottom of the BCE-24-P and BCE-48-P and provide adequate support to the enclosure to support its weight, the cabling weight, and the weight of the cabling devices installed. The raised floor panels must be re-installed after the installation of the enclosure.

STEP 3

Installing Equipment on the Mounting Assembly

- The data or voice cables enter the box through a cable access bracket located on one side of the BCE enclosure. The cables exit through the other side of the BCE enclosure. Foam kits should be set up as described in "Exhibit A" for Fire Penetration Foam Sealing Kit instructions.

STEP 4

Inspection

- Before installing cables and cable devices ensure that the BCE Series enclosure is secured to the building structure using approved threaded rods or hardware and is installed according to local code and regulations. All mounting should be done using all four of the aluminum mounting brackets riveted to each corner of the BCE-6 enclosure or a pattern matching the four (4) anchoring points made in the bottom of the BCE-24-P or BCE-48-P.

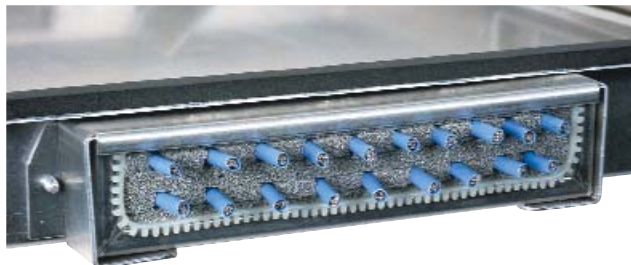


Exhibit " A "

Installation instructions for Installing Fire Penetration Kits

These kits are used to seal the unit with Fire Penetration Foam around installed access cables into the Basic Consolidation Enclosure.

1. Remove the top plate from the first penetration to be cabled.
2. Sort and comb your cables for smooth and straight access through the penetration.
3. Lift the cables and place two layers of foam underneath the cables.
4. Place cables and space so you can insert strips of foam between them firmly to create a seal. Cut foam strips at least 3/8" width to be placed between the cables.
5. Put down a layer of foam and repeat the process until all cables are beaded between layers of foam.
6. Take the remainder of the foam and fill the void to the top of the penetration and compress down with the top plate. Be careful not to bind cables in excess of cable manufacturers specifications. Cables are installed.

Installation hint: We suggest you stagger the cables in their layers to give a better seal. Example: 1st row - 4 cables / 2nd row - 5 cables / 3rd row - 6 cables / 4th row - 5 cables / 5th row - 6 cables and so on.

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