



NEMA Rated Fiber Optic Wallmount Enclosure

Protects your fiber cabling in a damp environment.

Single rubber gasket door has a hex nut security lock.
Cable enters or exits the enclosure via four watertight openings.
Internal bracket supports up to four fiber adapter panels.
Includes an area to mount a splicing tray.



Customer Support Information

Order toll-free in the U.S.: Call 877-877-BBOX (outside U.S. call 724-746-5500) •
FREE technical support 24 hours a day, 7 days a week: Call 724-746-5500 or fax 724-746-0746
Mailing address: Black Box Corporation, 1000 Park Drive, Lawrence, PA 15055-1018 •
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1. Specifications

Listing: NEMA 4

Size: 17.7"H x 18.7"W x 3.9"D (45 x 40 x 10 cm)

Weight: 22 lb. (10 kg)

2. Overview

2.1 Introduction

The NEMA Rated Fiber Optic Wallmount Enclosure is perfect for applications where your fiber cabling is located in a damp environment or could be exposed to condensation that could affect your fiber terminations. The enclosure is rated NEMA 4.

Mount this enclosure to a solid surface, such as a cinder block wall. The enclosure includes a single rubber gasket door with a hex nut security lock. It also has four watertight openings in the bottom where cable enters or exits the enclosure. Plus it has an internal bracket that supports up to four fiber adapter panels and an area to mount a splicing tray.

2.2 What's Included

Your package should include the following items. If anything is missing and damaged, please call Black Box Technical Support at 724-746-5500.

- (1) Fiber wallmount enclosure with internal 4-adapter panel bracket
- (1) Warning label
- (6) 1" (2.5-m) stick-on rectangular cable holders
- (4) #9-18 x 1.25" screws
- (30) 3" (7.6-cm) cable ties
- (4) 4" (10.2-cm) cable ties
- (1) cable management sticker
- (8) port ID stickers
- (1) 1/16" hex key
- (2) semicircular cable holding rings
- (4) waterproof cable grommets
- (2) rubber plugs

NOTE: Waterproof cable grommets support bulk cable from 6-mm minimum to 14-mm maximum.

3. Installation

Complete the following steps to install the enclosure:

1. Hold the enclosure against the wall where you want to install it. Make sure the cabinet is positioned so the four holes on the enclosure are facing down.
2. Position the four mounting tab ears on the wall. See Figure 1.

NEMA Rated Fiber Optic Wallmount Enclosure

3. Using screws or bolts that are appropriate for your wall type, fasten the enclosure to the wall.

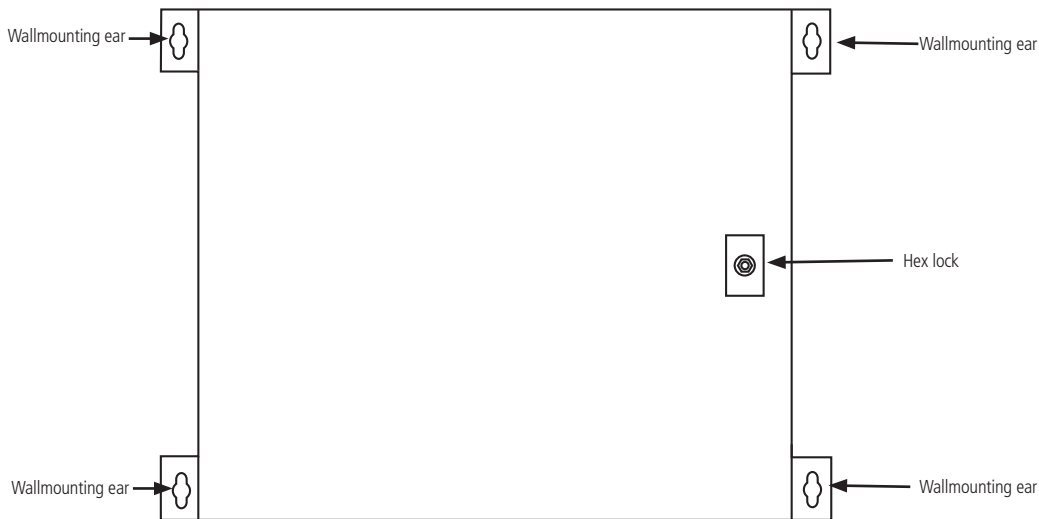


Figure 1. Outside view of cabinet.

4. Open the enclosure's door and note the internal component locations. See Figure 2.

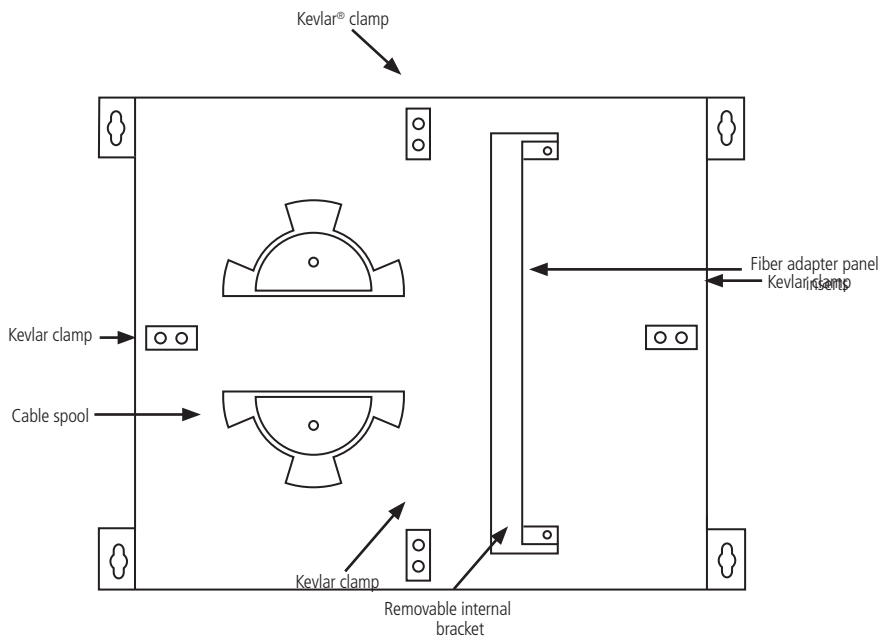


Figure 2. Inside the enclosure.

5. With the enclosure door open, install the round waterproof cable grommets.

6. Slide the fiber cable through the watertight seals. Then tighten the seal so the rubber gasket is secure around the cable trunk. The NEMA Rated Fiber Optic Wallmount Enclosure supports up to two trunks of fiber cable going into and two trunks of fiber cable going out the enclosure. Use this feature for applications that require routing trunk cables from several different inputs or when routing fiber cable to several different outputs. See Figures 3 and 4 for sample cable installation configurations.

NEMA Rated Fiber Optic Wallmount Enclosure

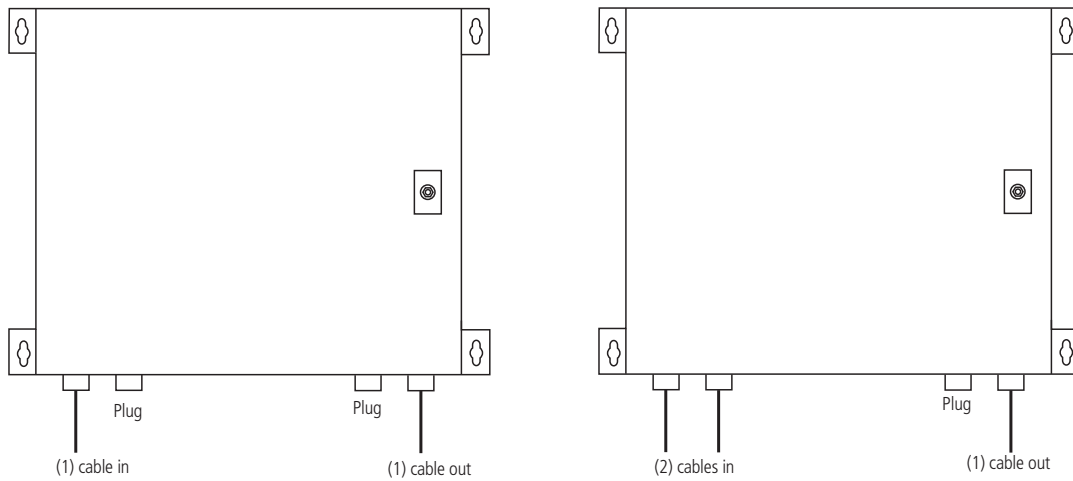


Figure 3. Left: One cable in/one out configuration; right: Two cables in/one out configuration.

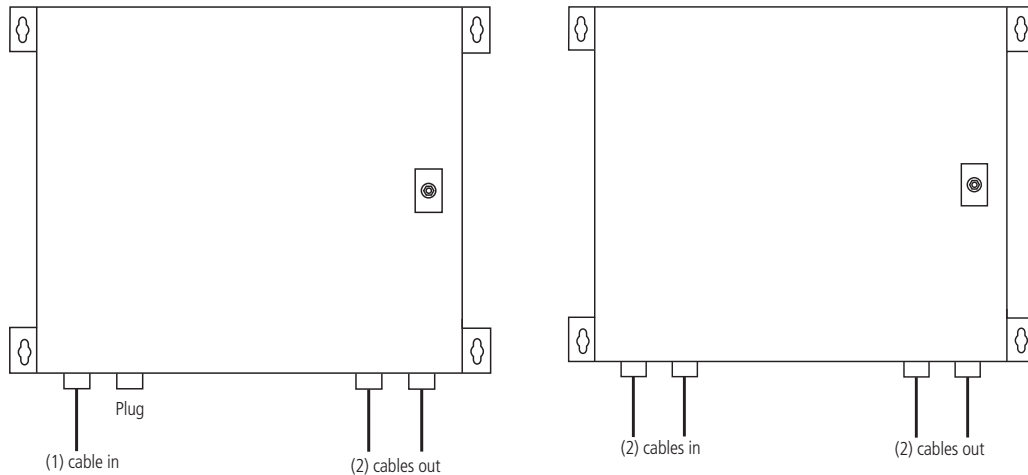


Figure 4. Left: One cable in/two cables out configuration; right: Two cables in/two cables out configuration.

NOTE: Fill any unused openings with the remaining watertight grommets. Be sure to install the rubber plugs (included) to make a watertight seal on each unused opening. Push each plug into the grommet until it is flush with the grommet's bottom.

7. After the fiber trunk cables are installed inside the enclosure, secure the fiber in place with Kevlar® clamps located around the inside of the enclosure.
8. The left side of the enclosure accommodates fiber splicing. Two semi-circular rings (already installed) help manage the loose distribution fiber strands. If you need a fiber splice tray, you can remove the two semi-circles and install a fiber splice tray over the two threaded studs and secure it with the wing nuts. (Call Technical Support at 724-746-5500 for the splice tray [part number JPM440A].)
9. On the right side of the enclosure, you can mount up to four fiber adapter panels. If you need more space for fiber splicing, remove the internal bracket.
10. After all fiber splices and terminations are complete, attach the warning label and port ID stickers that are included with your cabinet. Place the large identification sticker on the inside lid to identify your fiber. Once complete, shut the door and lock it with the included hex key. Your fiber is now secure inside a NEMA-rated enclosure.

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