BLACK BOX NETWORK SERVICES

# 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 two watertight openings.
Internal bracket supports up to two 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 •
Web site: www.blackbox.com • E-mail: info@blackbox.com

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or go to **blackbox.com** and click on "Talk to Black Box."
You'll be live with one of our technical experts in less than 30 seconds.

## 1. Specifications

Listing: NEMA 4

Size: 12.9"H x 15.1"W x 4.1"D (32.8 x 38.4 x 25.4 cm)

Weight: 13.9 lb. (6.4 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 two watertight openings in the bottom where cable enters or exits the enclosure. Plus it has an internal bracket that supports up to two 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 or damaged, please call Black Box Technical Support at 724-746-5500.

- (1) fiber wallmount enclosure with internal 2-adapter panel bracket and two semicircle rings and splice tray installed
- (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) 7⁄16" hex key
- (2) waterproof cable grommets
- (2) rubber plugs
- (1) wallmounting template

*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 two holes on the enclosure are facing down.
2. Position the four mounting tab ears on the wall. See Figure 1.
3. You may use the wallmounting template to help align holes for installation.

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

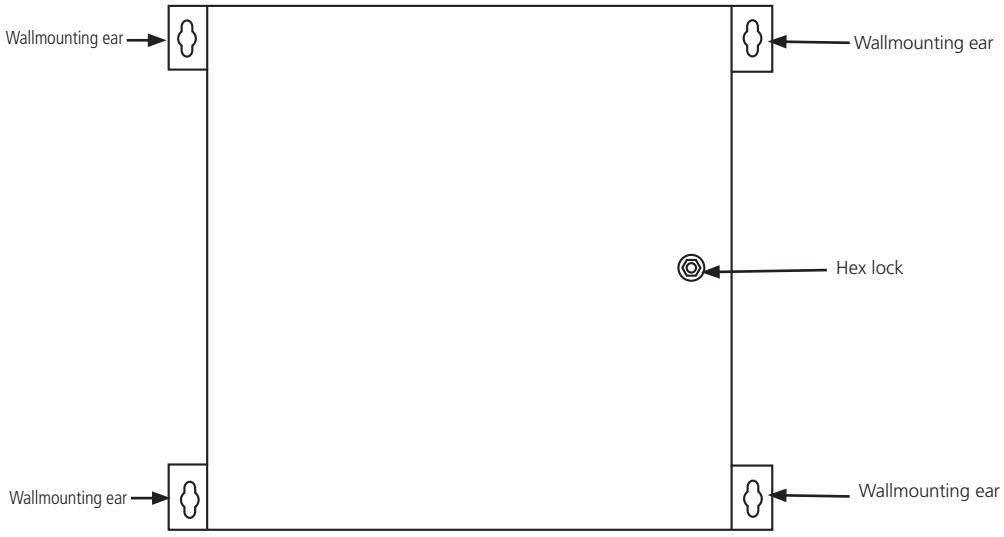


Figure 1. Outside view of cabinet.

5. Open the enclosure's door and note the internal component locations. As shown in Figure 2, you will see one fiber splice tray and two semicircular rings for fiber cable management splicing. You can remove the splice tray and cable management rings and configure them in multiple ways to suit your application..

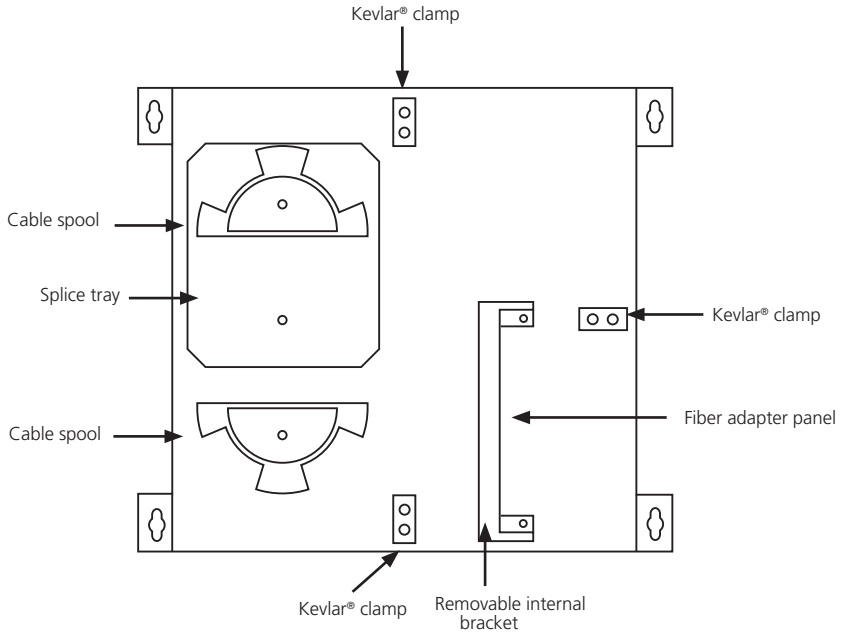


Figure 2. Inside the enclosure.

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

7. 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 one fiber cable going into and one fiber cable going out of the enclsoure. See Figure 3.

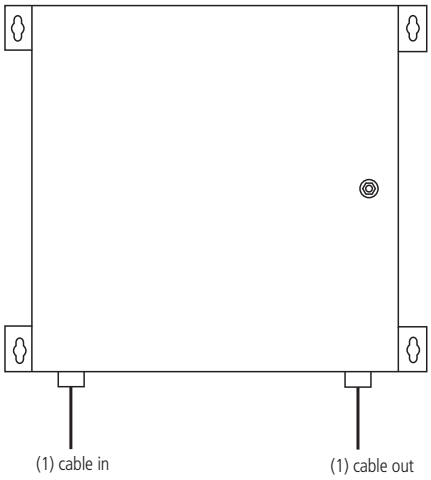


Figure 3. One cable in/one out configuration.

NOTE: You may use the waterproof grommets if you're not ready to install cable yet, but still want to mount the enclosure. Be sure to install the rubber plugs (included) to make a watertight seal on each opening. Push each plug into the grommet until it is flush with the grommet's bottom.

8. 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.

9. The left side of the enclosure accommodates cable management and fiber splicing. Two semi-circular rings (already installed) help manage the loose distribution fiber strands. A two-port six-strand fiber splice tray is already installed. Both the semi-circular rings and splice tray can be reconfigured to best suit your application. See the examples in Figures 4 and 5.

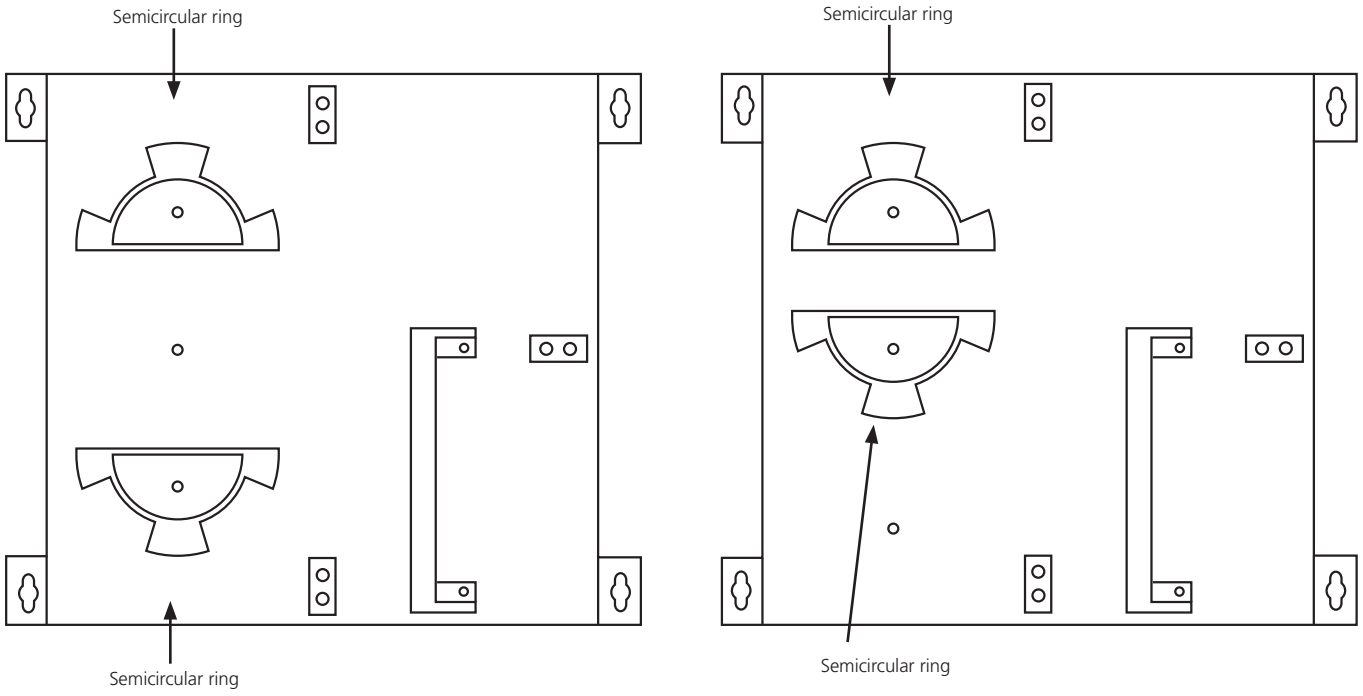


Figure 4. Positioning the semicircle rings.

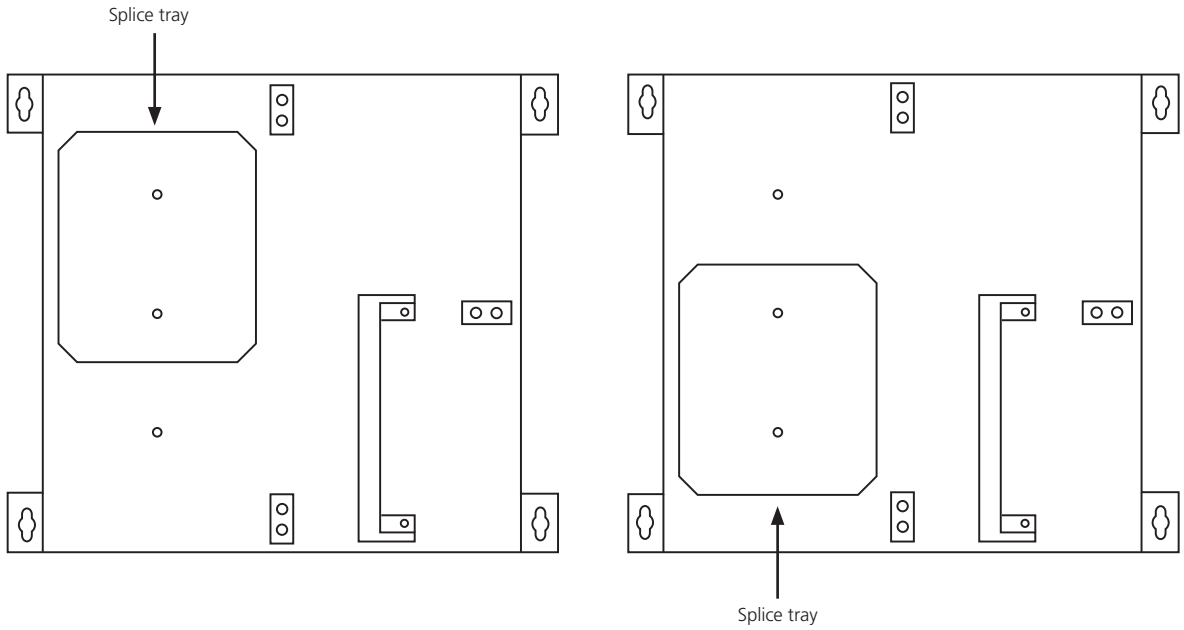


Figure 5. Positioning the splice tray.

10. On the right side of the enclosure, you can mount up to two fiber adapter panels. If you need more space for fiber splicing, remove the internal bracket. The fiber bracket can be positioned on the top or bottom—see Figure 6.

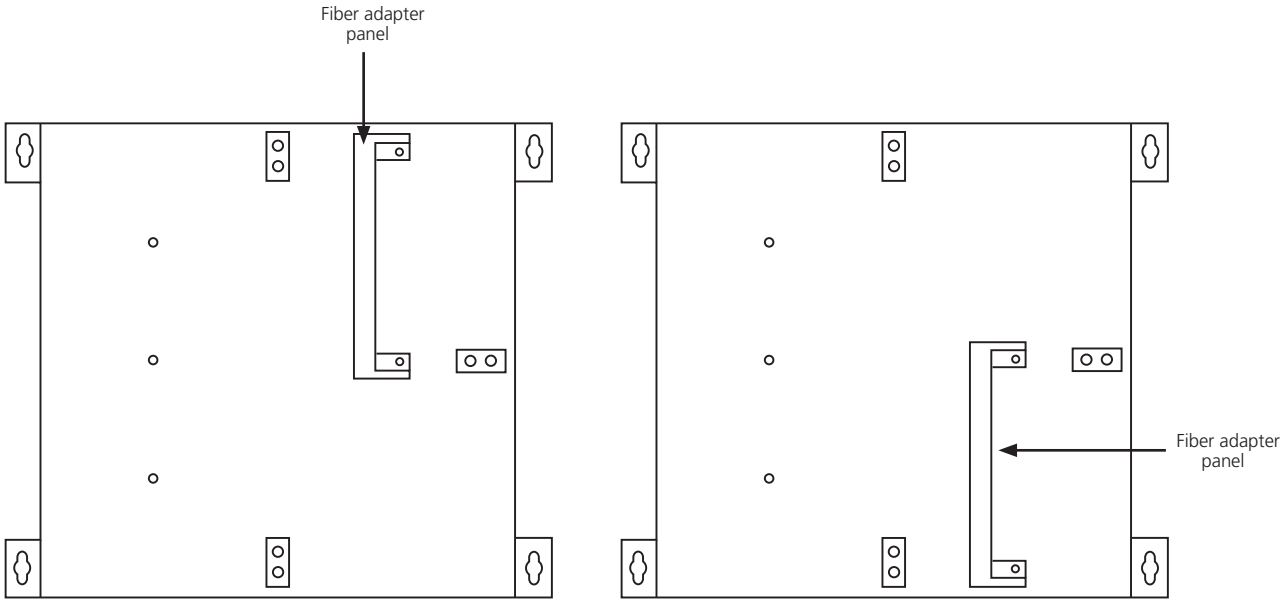


Figure 6. Position the fiber bracket on the top or bottom.

11. After all fiber splices and terminations are complete, attach the warning label and port ID stickers that are included with your cabinet. Place the cable management 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.

12. The enclosure's front door is shipped hinged on the left side. To change the orientation of the enclosure's front door to hinge on the right side: Pop off the rubber stoppers on the screw holes on the right side of the enclosure. Remove the screws holding the door to the left side of the enclosure, then remove the door. Using the screws you just removed, attach the door to the right side of the enclosure. Tighten the screws now holding the door hinge on the enclosure's right side and install the rubber stoppers on the enclosure's left side.

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