



INSTALLATION INSTRUCTIONS

IDEAA® Exterior Distribution Cabinet



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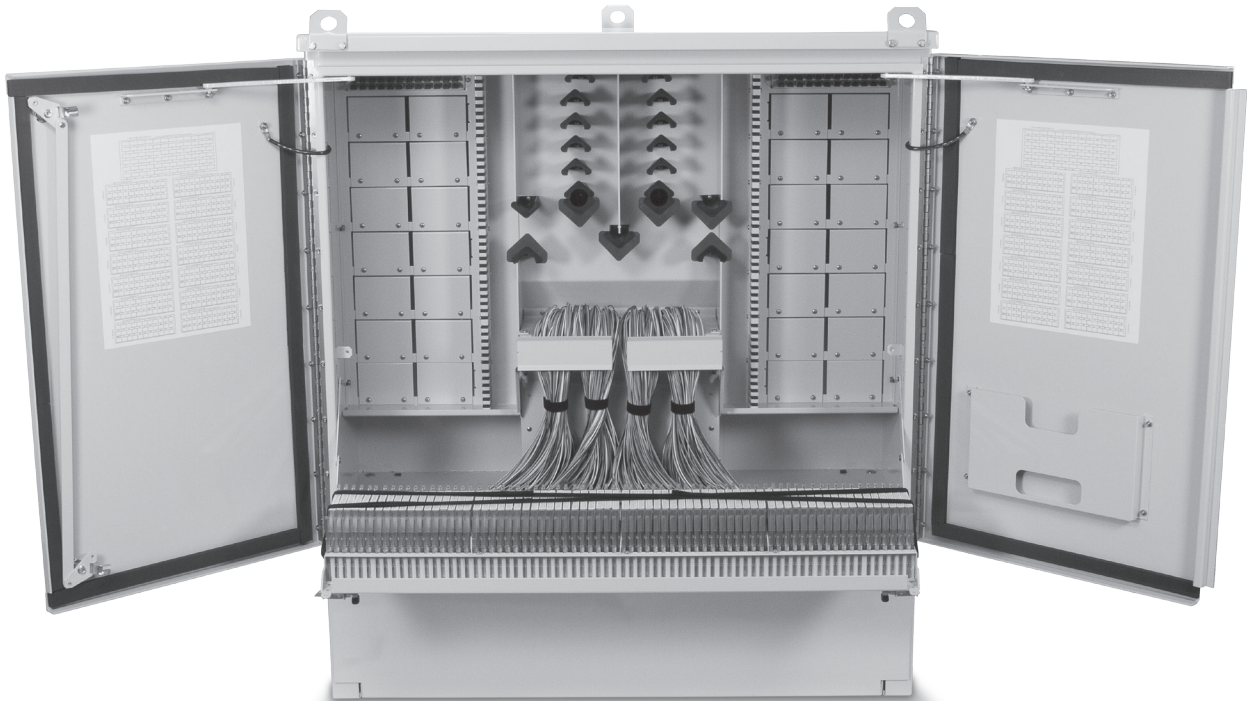
GENERAL

The IDEAA Exterior Distribution Cabinet (EDC) provides a convenient modular approach to centralized fiber distribution. All sizes of the EDC utilize the IDEAA splitter module to enable versatility across the platform. The EDC utilizes innovative jumper routing to enable efficient fiber management utilizing equal length pigtails for the entire cabinet.

SPECIFICATIONS

Parameter	Value
Splitter Capacity	Up to 28 Modules
Input/Pass Through Ports	144
Dimensions - (L x W x H) in. (cm)	48.00 x 42.50 x 20.00 (121.92 x 107.95 x 50.80)

PACKAGE CONTENTS



- A. IDEAA Exterior Distribution Cabinet with Skirt
- B. Fiber Input Cables
- C. Fiber Distribution Cables

PACKAGE CONTENTS: ACCESSORIES

Hex-Head Screw Kit

Skirt Mounting Hardware Kit

Skirt Panel Attachment Hardware Kit

REQUIRED TOOLS

216 style Socket Tool

Phillips Head Screwdriver

ADD-ON COMPONENTS

SC IDEAA Module – 1 x 32

LC IDEAA Module – 2 x 32

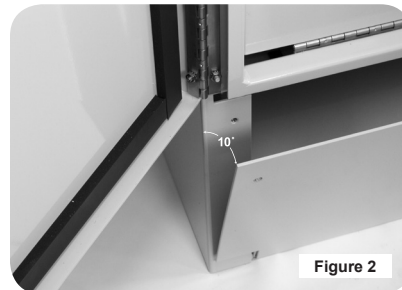
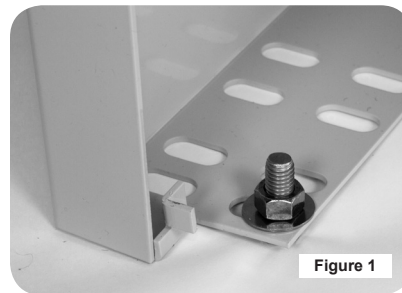
LC Input / SC Output IDEAA Module - Dual 1 x 16

CABINET MOUNTING

The EDC will be shipped with the rear skirt panel removed.

HAND-HOLE OR VAULT MOUNT

1. Route the cable stubs into the hand-hole or vault opening.
2. Set the EDC into place by aligning the skirt mounting holes with the hand-hole or vault mounting holes.
3. Secure the EDC by installing and tightening the four threaded bolts and washers, included in the Skirt Mounting Hardware Kit. **(Figure 1)**
4. Place the rear skirt panel at approximately a 10° angle to the base of the cabinet, so that the panel will slide onto the mounting brackets. **(Figure 2)**



*** Note: To remove either the front or rear access panels the same approximate 10° angle must be utilized when lifting the door.**

5. With the rear skirt panel now attached at both ends, rotate the panel so that it is lying flat on the ground. Attach the grounding strap from the underside of the EDC to the grounding bar located on the skirt panel.
6. Secure the rear skirt panel to the EDC using the Skirt Panel Attachment Hardware Kit.

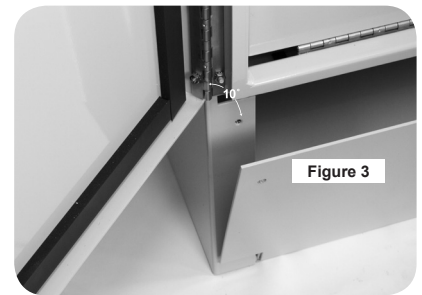
PAD MOUNT

*** Note:** EDC comes outfitted with a gasket pre-adhered to the underside of the skirt

1. Position the mounting template on the concrete pad in the desired location.
2. Install mounting holes into the concrete.
3. Insert wedge anchors into the mounting holes and activate the anchor nuts.
4. Uncoil the cable stubs and route through the conduit in the concrete pad.
5. Set the EDC into place by aligning the skirt mounting holes with the wedge anchors.
6. Secure the EDC with the wedge anchor washers and nuts.
7. Place the rear skirt panel at approximately a 10° angle to the base of the cabinet, so that the panel will slide onto the mounting brackets. **(Figure 3)**

*** Note:** To remove either the front or rear access panels the same approximate 10° angle must be utilized when lifting the door.

8. With the rear skirt panel now attached at both ends, rotate the panel so that it is lying flat on the ground. Attach the grounding strap from the underside of the EDC to the grounding bar located on the skirt panel.
9. Secure the rear skirt panel to the EDC using the Skirt Panel Attachment Hardware Kit.



LIFTING EAR REMOVAL

*** Note:** Removing the lifting ears is an optional procedure that will not alter or enhance the performance of the EDC.

1. Using a standard 216 style tool, or similar, remove the two bolts that attach the lifting ear to the EDC.
2. Remove lifting ear.
3. Replace the bolts and tighten using a standard 216 style tool, or similar.

LOCK AND UNLOCK EXTERIOR DOORS

1. Using a standard 216 style tool, or similar, turn the locking bolt located at the top of the EDC door a ¼ turn.

*** Note:** When locking the EDC, the right door must be closed followed by the left door. The locking bolt located on the left door will be used to secure and lock both EDC doors.

*** Note:** A pad lock, not provided, may be utilized if additional security is desired.

IDEAA SPLITTER MODULE INSTALLATION

MOUNT IDEAA SPLITTER MODULE

1. Using local engineering practices, determine the location of the IDEAA Splitter Module to be installed within the EDC.
2. Remove the two screws at the base of the cover plate in the desired module location, using a Phillips head screwdriver. **(Figure 4)**



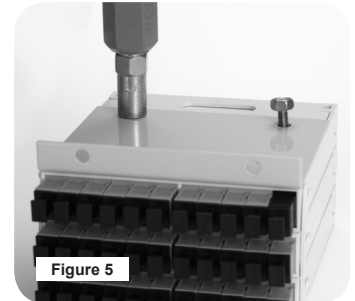
*** Note: These screws will be re-used to mount the IDEAA Splitter Module into the EDC.**

3. Using the provided Hex-Head Screw Kit, attach the bottom side of the IDEAA Splitter Module to the removed cover plate. **(Figure 5)**



*** The EDC is shipped with quantity (56) hex-head screws for mounting the IDEAA Splitter Module: #10-32 x 1/2" with 3/8" Hex Head**

4. Re-mount the cover plate with the attached IDEAA module into the desired location, using the screws removed in Step 2. **(Figure 6)**
5. Repeat Steps 1 – 4 for each IDEAA Splitter Module that needs to be mounted.



ACTIVATE IDEAA SPLITTER MODULE

An IDEAA Splitter Module that has been mounted into the EDC is not active until it has been connected to the Input Field.

⚠ Caution: When working with fiber optics, do not look directly into the end of the fiber cable or adapter port. A power meter may be used to determine if the cable or port is dark. Or use locally accepted fiber optic safety practices.

1. Use local accepted practices to clean the connector end face at both ends of the jumper provided with the IDEAA Splitter Module.
2. Plug the jumper cable into the black input port on the IDEAA Splitter Module. **(Figure 7)**

⊗ Note: When mounted on the cover plate, the black input port will be located in the bottom left corner of the adapter field

3. Using local engineering practices, determine the port to be used on the input panel for activating the IDEAA Splitter Module. Plug the opposite end of the jumper into the desired port on the input panel. **(Figure 8)**

4. Use the foam fiber relief to route the jumper cable to the fiber routing section of the EDC. **(Figure 9)**



Figure 7



Figure 8

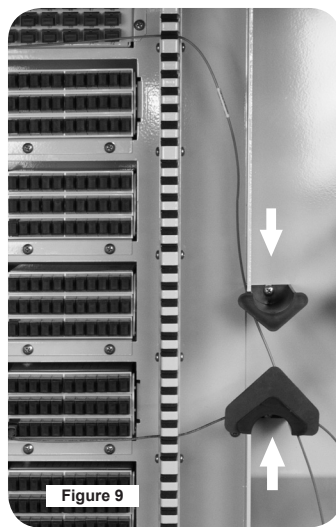


Figure 9

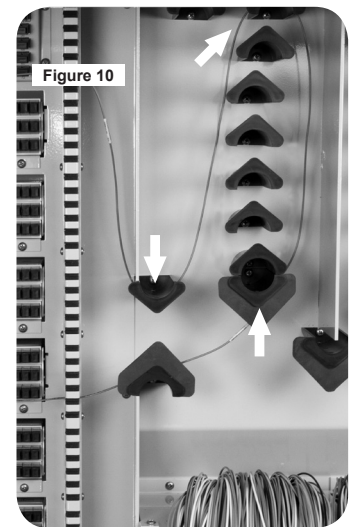


Figure 10

5. Route the remaining jumper slack through the fiber routing section of the EDC. **(Figure 10)**

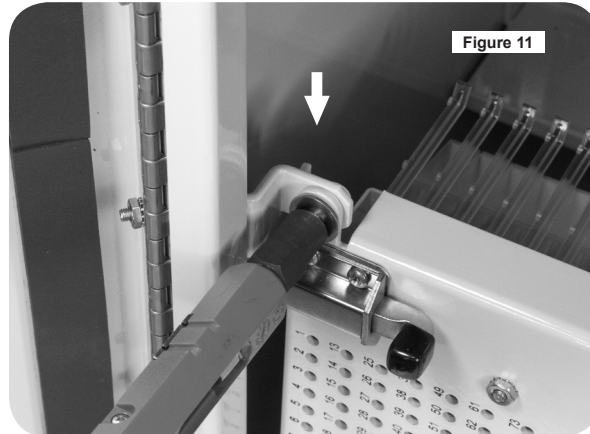
⊗ Note: For best practice, it is recommended that the jumper slack be routed around the upper most cable routing guide. Avoid looping the slack through the fiber routing section of the EDC.

6. Use local accepted practices to label the input fiber connection in the appropriate space on the door label, as applicable.

⊗ Note: The lance located below the input port on the IDEAA Module cover plate may be used for additional labeling. As an alternative, self-adhesive label may be placed on the cover plate.

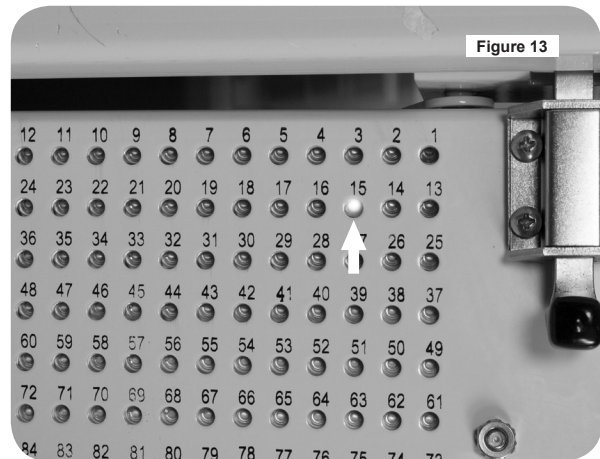
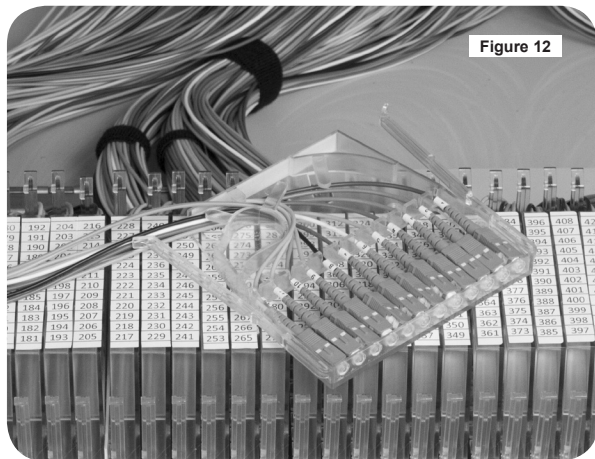
CONNECT DISTRIBUTION FIBER

1. Remove the shipping screw from each end of the swing down tray. A total of two shipping screws will be permanently removed. (Figure 11)

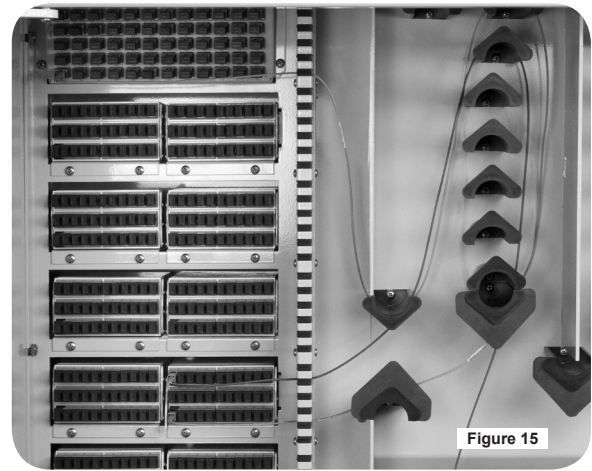


2. Using local engineering practices, determine the appropriate distribution fiber to be connected. Remove the corresponding fiber storage cartridge from the swing down tray by pushing in and pulling up on the cartridge arms. (Figure 12)

*** Note:** The cartridges and distribution fibers are numbered to assist in fiber identification. Additionally, distribution fibers may be identified by placing a red light on the customer side of the fiber, and locating the fiber on the swing down tray. (Figure 13)



3. Remove the desired distribution fiber from the cartridge by sliding the connector out of the housing location and continue to route the cable out of the cartridge.
4. For best practice, it is recommended that the distribution fiber be routed back to the grommet located at the cascade point. Ensuring the distribution fiber has a clear path to the fiber routing section of the EDC.
5. Use local accepted practices to clean the distribution fiber connector end face.
6. Connect the distribution fiber to the appropriate port on the IDEAA Splitter Module. **(Figure 14)**
7. Use the foam fiber relief to route the distribution fiber to the fiber routing section of the EDC. Employing a similar technique to that used with the activation jumper cable.
8. Route the remaining distribution fiber slack through the fiber routing section of the EDC. **(Figure 15)**



- * Note: For best practice, it is recommended that the distribution fiber slack be routed around the upper most cable routing guide. Avoid looping the slack through the fiber routing section of the EDC.**
9. Use local accepted practices to label the distribution fiber connection in the appropriate space on the door label, as applicable.
 10. Repeat Steps 2 – 9 for each addition distribution fiber needing to be connected.

- * Note: Unused fiber should remain the in the fiber storage cartridge until needed.**

PASS THROUGH CONNECTION

1. Using local engineering practices, determine the appropriate distribution fiber to be used for a pass through connection. Remove the corresponding fiber storage cartridge from the swing down tray by pushing in and pulling up on the cartridge arms.
2. Remove the desired distribution fiber from the cartridge by sliding the connector out of the housing location and continue to route the cable out of the cartridge.
3. For best practice, it is recommended that the distribution fiber be routed back to the grommet located at the cascade point. Ensuring the distribution fiber has a clear path to the fiber routing section of the EDC.
4. Use local accepted practices to clean the distribution fiber connector end face.
5. Connect the distribution fiber to the appropriate port on input field.
6. Use the foam fiber relief to route the distribution fiber to the fiber routing section of the EDC. Employing a similar technique to that used with the jumper cable.
7. Route the remaining distribution fiber slack through the fiber routing section of the EDC.
8. Repeat Steps 1 – 7 for each addition pass through connection.