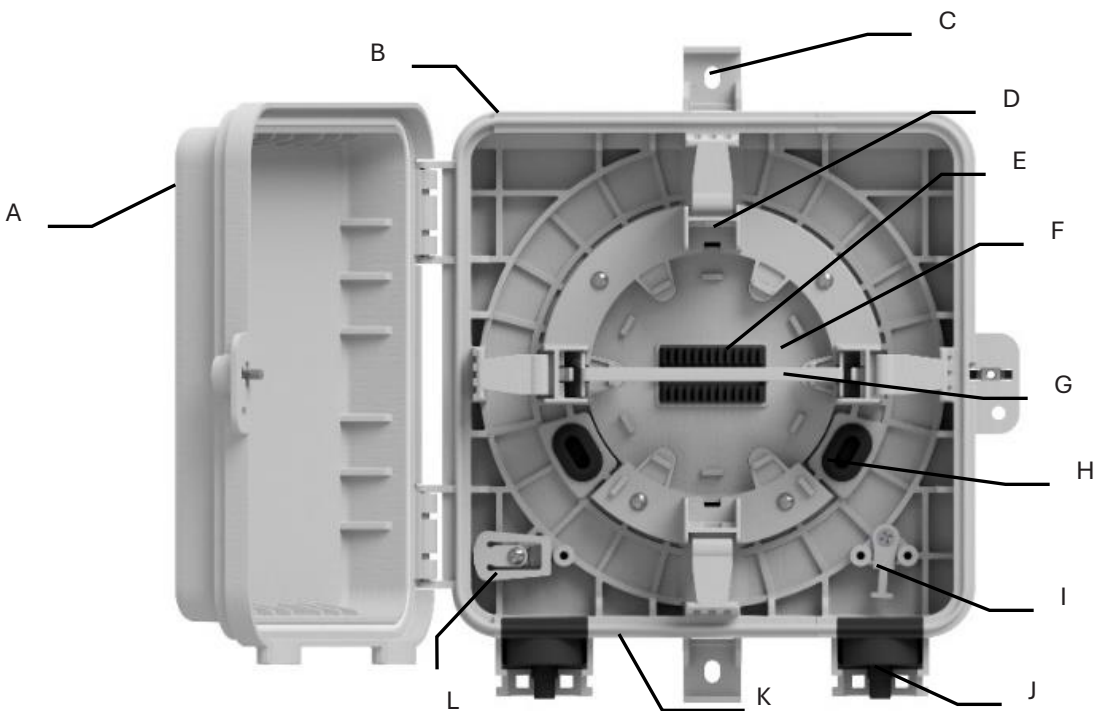


HUBBELL®

Power Systems

Recommended Installation Instruction for Fiber Demarcation Box – FDB12



- A. Housing Door with Gasket

B. Housing Base

C. Exterior Mounting Tabs

D. Central Hub

E. Splice Chip (12 Position)

F. Splice Tray Lid (Transparent)
- G. Bulkhead (12 Port)

H. Through Wall Grommet (x2)

I. Hose Clamp Cable Bracket

J. Lower Cable Entry Grommet (x2)

K. External Ground (Optional)

L. Integrated Cable Clamp

Catalog Number	Dimensions IN. (mm)	Standard Pack	
		Carton Qty	Weight LBS. (KG)
FBD12XXXX*	12.15 x 11.35 x 3.17 (308.6 x 288.3 x 80.5)	5	15 (6.8)

* Various options available

NOTE: Hubbell Power Systems, Inc has a policy of continuous product improvement.
We reserve the right to change design and specifications without notice.

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Safety Information

Environmental: Confirm your work area is safe. Many fiber optic cables include a metallic component that can carry high voltages, posing a severe risk of electrical shock. Do not install or modify cabling during a lightning storm.

Laser Radiation Precautions: Avoid direct eye exposure to laser radiation. Never look into the ends of any optical fiber. Always use protective caps or hoods with optical connectors to prevent laser exposure and to keep connectors free from dust and debris.

Handling: Handle optical fiber with care to avoid excessive bending, pulling, or crushing forces. Always follow the guidance of the fiber manufacturer. Dispose of scrap material properly. Fiber optic cable may be sharp and can pierce or become embedded in skin.

Compliance: Install all products in compliance with applicable national and local safety codes.

DISCLAIMER

These products should only be installed, used, or serviced by adequately trained personnel. These instructions are not a substitute for adequate training in the safe use of these products, and they do not address all situations that may be encountered when using these products. When using any product, always read and follow the installation and operating instructions and warnings for the product, all applicable federal, state, and local safety regulations, industry standards, and your employer's internal safety guidelines and operating instructions. Failure to follow applicable safety rules and instructions may result in serious injury, death, and property damage.

The user is responsible for the safe installation and use of any product and must evaluate the conditions at the time of use and consult with their employer's internal safety guidelines or safety experts hired by your employer, as needed.

Hubbell Power Systems, Inc. is not liable for death, serious injury, or property damage resulting from the use of these products in any manner that is inconsistent with the product installation and operating instructions, your employer's internal safety guidelines, or recommendations from safety experts hired by your company. If further information is desired or if problems are encountered which are not sufficiently covered in these instructions, contact Hubbell Power Systems, Inc. for additional information. Operating and installation instructions are available on the Hubbell Power Systems, Inc. website: hubbellpowersystems.com

Visual Instructions



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Recommended Installation Instruction for Fiber Demarcation Box – FDB12

Mounting:

For wall mounting applications: Secure with screws through slots in upper and lower Exterior Mounting Tabs [C]. DO NOT overtighten.

For pole mounted applications: Secure with banding (accepts up to .5") around upper and lower Exterior Mounting Tabs [C]. DO NOT overtighten.

FDB12 Installation Preparation:

1. Remove Lower Cable Entry Grommet [J] and trim grommet to allow for installation of feeder cable.
2. Remove Bulkhead [G] and install adapter(s).
3. For installations requiring splicing, remove the clear Splice Tray Lid [F].

Optional External Ground

1. An optional External Ground [K] is available for grounding and toning purposes.
2. Secure toning wire with provided hardware per local standards and practices.

Pre-terminated Feeder Cable Installation:

1. Insert feeder cable through Lower Cable Entry Grommet [J] and reinstall the grommet.
2. Secure incoming cable with Integrated Cable Clamp [L] or Hose Clamp Cable Bracket [I].
3. Route cable slack around the Central Hub [D] by lifting the retention tab to retain cable wrap.
4. Install connectorized end(s) into adapters [G].
5. For customer cable installation, see "Customer Cable Routing."

Bare Feeder Cable Installation:

1. Insert feeder cable through Lower Cable Entry Grommet [J].
2. Prepare cable per local standards and practices.

Recommended installation length: 50" of total cable (beyond tie down location).
Buffer Tube: 20" | Bare Fiber: 30"

3. Secure incoming cable with Integrated Cable Clamp [L] or Hose Clamp Cable Bracket [I].

4. Route buffer tube around the Central Hub [D] by lifting the retention tabs to retain buffer tube.
5. Secure buffer tube in splice tray with cable tie at lower tie down location.
6. Prepare feeder cable fiber(s) and pigtail(s) for splicing.

Recommended pigtail length: 21" from connector.

7. Complete fiber splicing operation per local standards and practices.
8. Following the splicing operation, install connectorized pigtail(s) into the adapter(s).
9. Route feeder cable fiber around the splice tray perimeter, install the splice sleeve(s) (40mm is recommended) in the Splice Chip [E].

Note: If installing multiple fibers, you may find removing the splice chip from the enclosure necessary to secure each splice sleeve into the splice chip. Once populated, proceed with routing feeder cable fiber. Once feeder cable fiber has been routed, reinstall the Splice Chip and proceed.

10. Route pigtail fiber around the splice tray perimeter exiting from the upper portion of the tray.
11. Install the Bulkhead [G].
12. Install the Splice Tray Lid [F].
13. For customer cable installation, see "Customer Cable Routing."

Customer Cable Installation:

1. Route customer cable through the remaining Lower Cable Entry Grommet (trim as needed) [J] or Thru-Wall Grommet (cut entry hole as needed) [H].

Route pre-terminated cable slack around the Central Hub [D] by lifting the retention tab to retain cable. Install connector end(s) into adapter(s).

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