

**Warranty:** If this unit fails during the warranty period, contact tii customer service to authorize return. Unit may be returned prepaid.



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**Model FDT1 Series**  
Fiber Distribution Terminal



## Installation Note

### Description

The FDT Series Fiber Distribution Terminals provide splicing connectivity to the OSP feeder fiber and a point of demarcation for customer drop terminations.

#### Features

- Up to 24 fiber drops.
- Top, bottom and side 1" and 2" conduit knockouts
- Removable and lockable inner and outer doors
- Inner door converts to work surface
- Optional protective bottom cable entry skirt

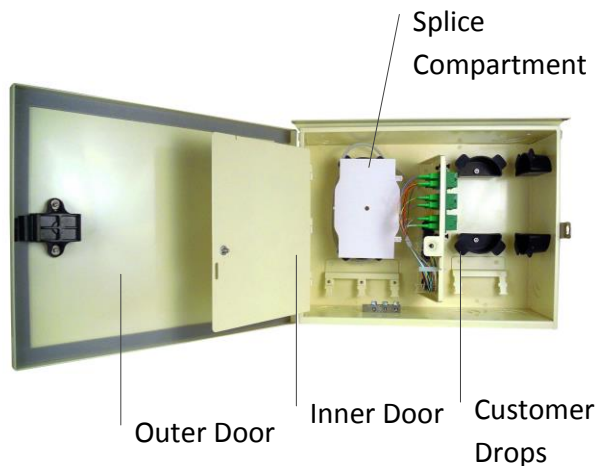


Figure 1

### Installation

The FDT is designed for outdoor or indoor installation. It can be ordered empty and configured on-site or factory loaded with adapter plates, pigtails, and splice trays to reduce installation time.

1. Verify contents and inspect for damage
2. Select installation site:
  - Vertical wall surface
  - Easily accessible
  - Adequate clearance from electric light fixtures, equipment and power circuits.
  - Near suitable earth ground

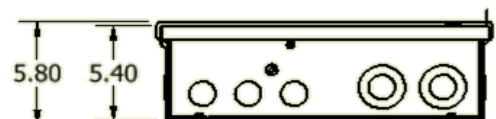
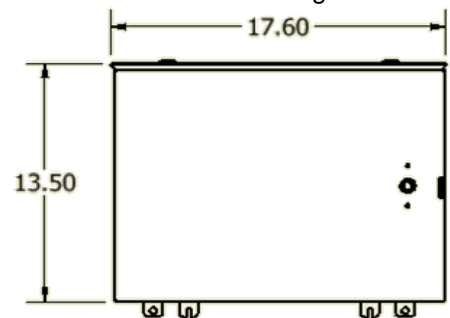
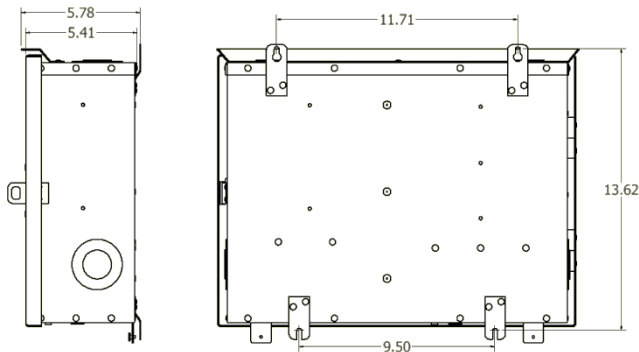


Figure 2

3. Knock out required cable entry conduit ports.
  - Top – 2 ea combination 1" / 2"
  - Side – 1 ea combination 1" / 2"
  - Bottom – 2 ea combination 1" / 2"

3 ea 1"

4. Trim and install conduit fittings or NPT compression couplings as needed.
5. Mark and install appropriate wall hanging hardware and secure unit.



**Figure 3**

6. The inner door can be used as a work surface in remote or confined space installations. Lift the inner door from hinges and use 216 tool to secure 3/8" bolt to bottom of enclosure.



**Figure 4**

7. Cut excess feeder cable to length leaving a minimum of 3 ft. of slack from point of entering splice bay. Location to perform fusion splicing will dictate exact length necessary of slack. Remove protective jacketing material to expose fiber cable subunits and secure to cable entry point. Ground and bond armored or tonable cable using provided ground bar.



**Figure 5**

8. Ground the FDT enclosure to a suitable earth ground using the external ground stud.



**Figure 6**

9. Splice feeder fiber to pigtails using the FST modular splice tray. The trays are stackable and have 3 attaching points to secure one tray to the other. Each tray can splice up to 24 single fusions or 6 mass fusions.



**Figure 7**

10. Store feeder fibers and pigtail slack in provided slack management rings.
11. Customer drops are routed from the cable entry ports to the patch panel and slack is stored in the provided slack management rings.