

SUMITOMO RECOMMENDED PROCEDURE**SRP SP-F05-025****Installation of FTWM-04L Medium Wall Mount Enclosure**

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1.0 General

1.1 This procedure describes the standard installation procedure for Sumitomo's FTWM-04L, Medium Wall Mount Enclosure.

Note: The FTWM-04L has a capacity of 96 fibers when using cassettes or interconnect panels and up to 144 fibers when using splice trays.

2.0 Safety Precautions

2.1 The use of personal safety equipment (safety glasses, safety shoes, cut-resistant Kevlar gloves, etc.) is recommended during this installation procedure.

3.0 Reference Documents

3.1 SRP SP-F02-008

3.2 SRP SP-F02-043

3.3 SRP SP-F02-018

3.4 SRP SP-F03-023

4.0 Equipment / Tools Required

The following equipment, tools, and materials are required to complete this procedure.

4.1 Medium Wall Mount Enclosure (FTWM-04L):

- Aluminum construction
- 13.2" x 11.2" W x 3.5" D



Figure 1

4.2 Tools Required

- Drill and drill bits
- Philips Screwdriver
- Needle nose pliers
- Marking pen
- Tape Measure
- Electrician Scissors
- Utility Knife
- Level
- UCTS-001 Universal Central Tube Slitter
- Ripley's RCS-114 or RCS-158 Cable Stripper
- Gloves
- Safety Glasses

4.3 Included hardware:

1. Grommets (4)
2. Cable Tie Mount (4)
3. Alcohol Pad
4. Hook and Loop Tie Wrap
5. Tie Wraps (4)



5.0 Mounting the FTWM-04L

5.1 Before mounting the enclosure, consider the following.

5.2 Determine the best location for cable entry into the FTWM-04L based on the location of the enclosure knockouts and optimize FTWM-04L mounting location based on minimal cable bending.

5.3 Choose wall mounting location to provide enough space for best routing / mounting of cables into and out of the enclosure.

5.4 Verify wall mounting surface is constructed of materials which will allow screws or anchor bolts to be used for mounting and will adequately support the weight of the enclosure.

5.5 To mount the FTWM-04L, position on the wall and use a surface level to determine level and plum. Hold the leveled enclosure against the wall and mark the four (4) screw / bolt locations through mounting holes.

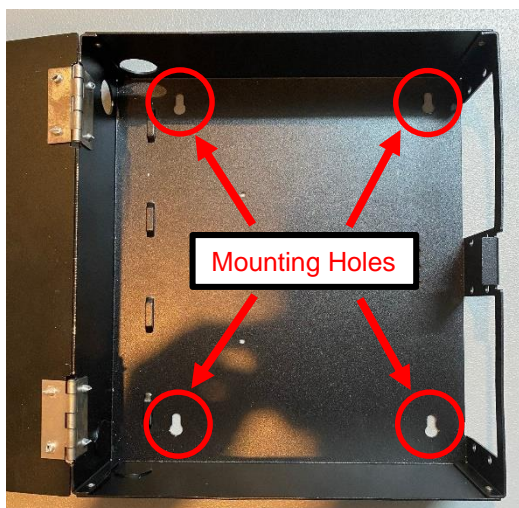


Figure 2

5.6 Remove enclosure and use a drill with the appropriate size drill bit for mounting hardware chosen to drill holes into wall at marked locations.

5.7 Attach mounting screw / bolt retainers (if used) to the wall per manufacturer's instructions.

5.8 Thread one screw / bolt a few turns into each hole but do not tighten.

5.9 Install enclosure onto wall by guiding screw heads through lower portion of each mounting hole.

5.10 Use a surface level on top and side of enclosure to verify final alignment and tighten four (4) mounting screws.

6.0 Cable Entry

6.1 Choose knockout positions on FTWM-04L that best suit desired cable entry / exit locations.

6.2 When selecting knockouts be mindful not to violate bend radius of 30 mm for fibers during installation/routing.

CAUTION: Knockout hole edges are sharp. Wear gloves to prevent injury.

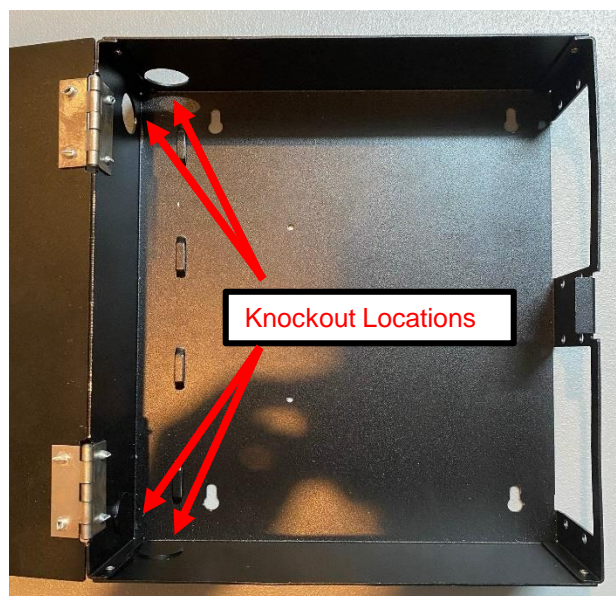


Figure 3

6.3 Please refer to Sumitomo Recommended Procedures for proper cable preparation.

6.4 Firmly press a grommet into the knockout hole so that it is fully seated.

6.5 Cut a slit into the grommet and pass cable through the grommet.

6.6 Using two (2) tie wraps, secure cable to the enclosure by using the raised tie down lances.



Figure 4

7.0 Cassette Configuration

7.1 Install cassettes into the slots. Place a blank plate in any unused slot.

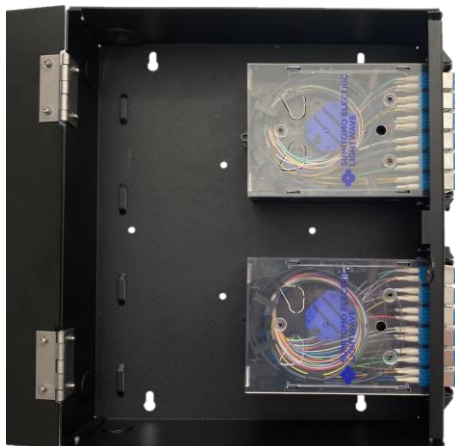


Figure 5

Note: Each cassette can hold up to 24 fibers, depending on the type of connector. Be careful not to violate the 30mm bend radius of the fibers.

7.2 Route fibers into each cassette. Splice the fibers and place securely into the splice holder chip.

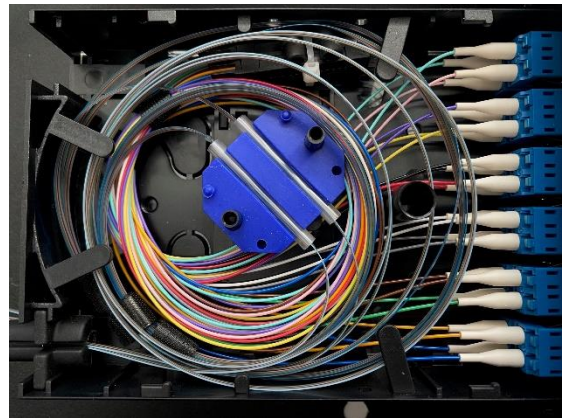


Figure 6

7.3 Neatly route and store excess fiber lengths within cassettes.



Figure 7

8.0 Adapter Panel Configuration

8.1 Install interconnect panels into the slots.

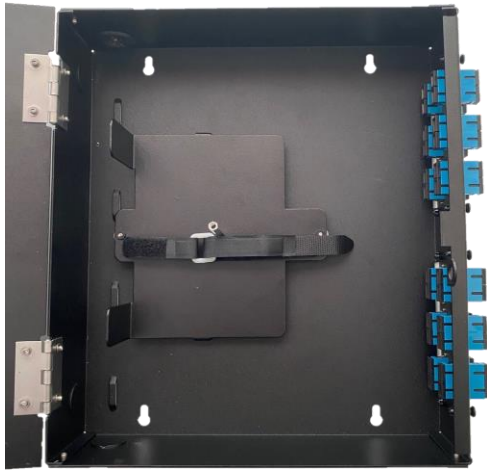


Figure 8

8.2 Install a splice tray holder (FTWM-04L-SPLICETRAY-BRACKET) and splice tray(s) (FT-PFST-B-R) to hold all fibers. Each tray can hold up to 12 single fiber splices or 12 ribbon splices.

Note: The splice tray holder and splice trays are sold separately.

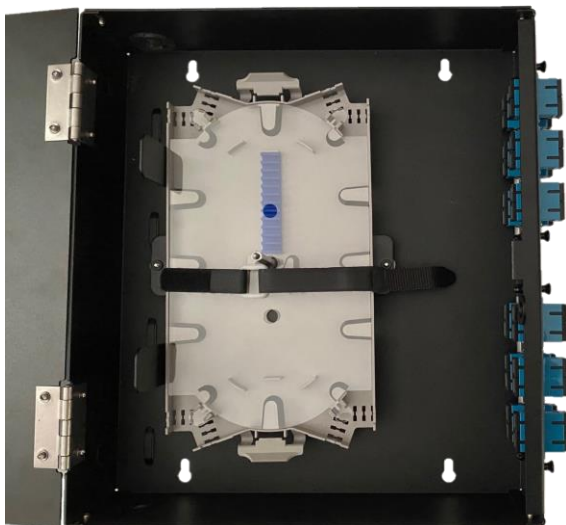


Figure 9

8.3 Using a breakout kit with the appropriate connectors, splice fibers to breakout kit and place splices in holder.

8.4 Connect breakout kit connectors to adapter panels. Neatly route the fiber excess length within each splice tray. Place clear cover onto tray to protect fibers.

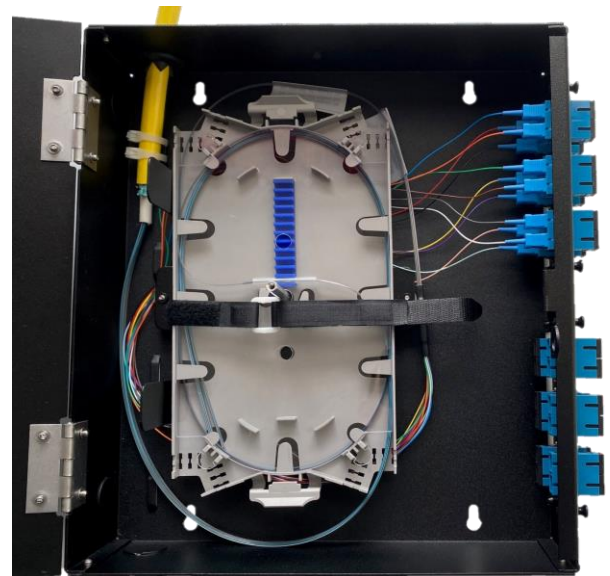


Figure 10

9.0 Splice Tray Configuration

9.1 When using the enclosure as a splice box, up to 4 splice trays can be installed. Each tray can hold up to 12 ribbon splices or up to 12 single fiber splices.

9.2 Select the knockouts that will give the best routing for ribbon/fiber routing. It is recommended to use knockouts on opposite sides of the enclosure for best routing.

9.3 Install splice tray holder and splice trays needed to hold all fibers.

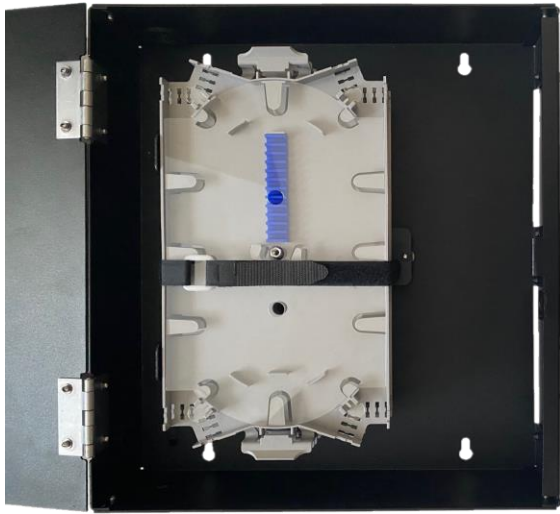


Figure 11

9.4 Route ribbons/fibers into the splice tray. Splice each ribbon/fiber and place it into the splice holder.

9.5 Neatly route excess fiber length inside splice tray. Replace clear cover to protect spliced fibers.

Note: Be sure to install blank plates into LGX slots



Figure 12