

SUMITOMO RECOMMENDED PROCEDURE**SRP SP-F05-026****Installation of FTWM-01L Small Wall Mount Enclosure**

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1.0 General

1.1 This procedure describes the standard installation procedure for Sumitomo's FTWM-01L, Small Wall Mount Enclosure.

1.2 The FTWM-01L has a capacity of 24 fibers when using a cassette or an interconnect adapter panel. Two enclosures can be double stacked, with capacity of up to 48 fibers.

2.0 Safety Precautions

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

3.0 Reference Documents

3.1 SRP SP-F04-006.

3.2 SRP SP-F05-021

4.0 Equipment / Tools Required

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

4.1 Small Wall Mount Enclosure (FTWM-01L):

- Aluminum construction
- 9.9" W x 1.6" D x 6.1" H

4.2 Tools Required

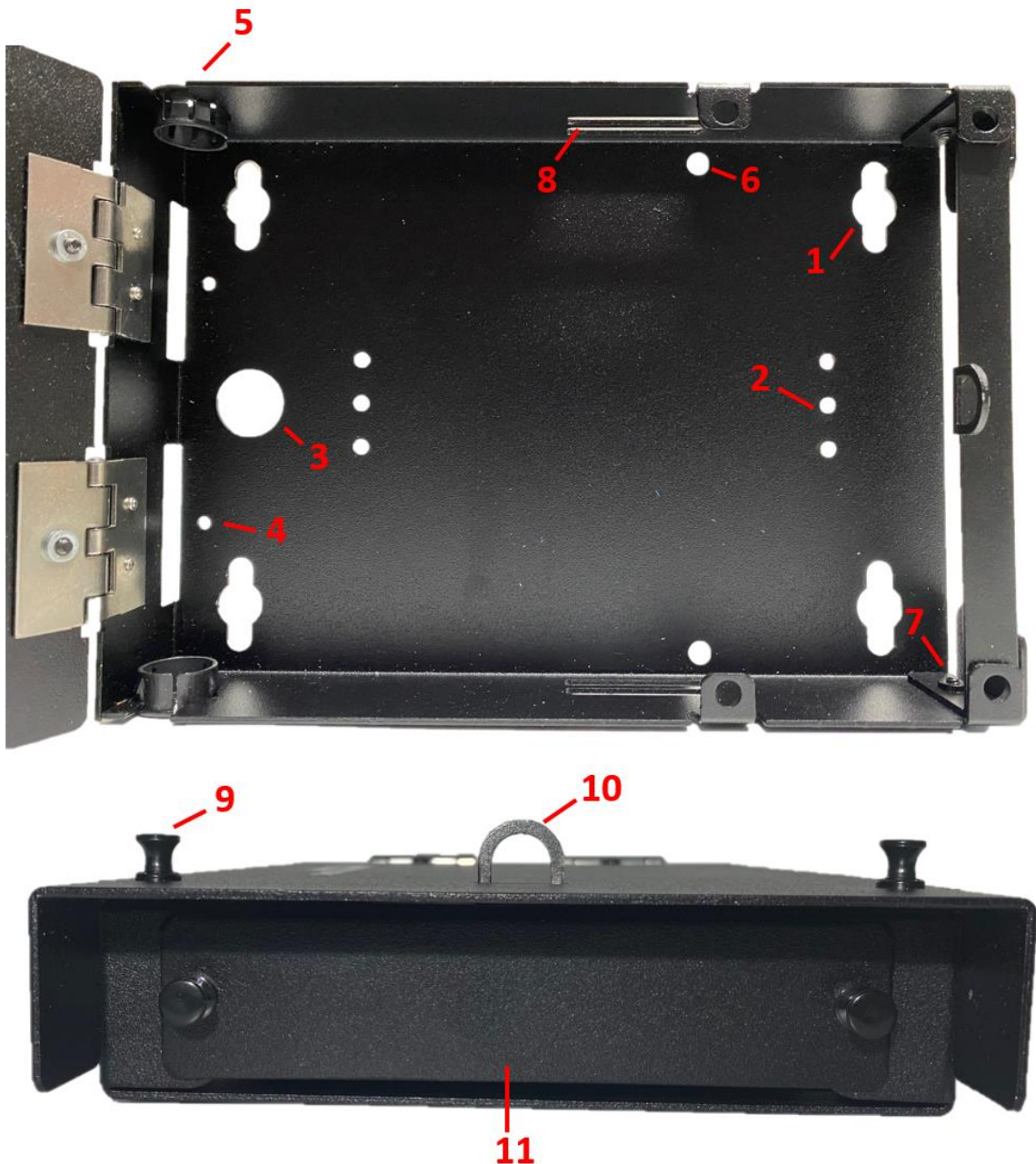
- Drill and drill bits
- Screwdriver
- Needle nose pliers
- Marking pen
- Tape Measure
- Scissors
- Level
- Multi-gage (10-20 AWG) wire stripper
- Safety Glasses



4.3 Included Hardware

1. Alcohol Pad
2. Cable Tie Mounts
3. Hook and Loop Tie Wrap
4. Screws, DIN rail Adapters
5. Push/Pull tab
6. DIN Rail Mounting Clips
7. Tie Wraps

5.0 Enclosure Layout



- 1 – Mounting Holes
- 2 – Din Rail Adapter Mounting holes
- 3 – Enclosure Pass-through
- 4 – Double Enclosure Mounting holes
- 5 – Cable Entry Grommet
- 6 – Double Enclosure Push/Pull hole

- 7 – Lock Plate screws
- 8 – Cable Lacing Point
- 9 – Push/Pull latch
- 10 – Locking Hasp
- 11 – Blank/Cassette/Interconnect Panel slot

6.0 Mounting the FTWM-01L

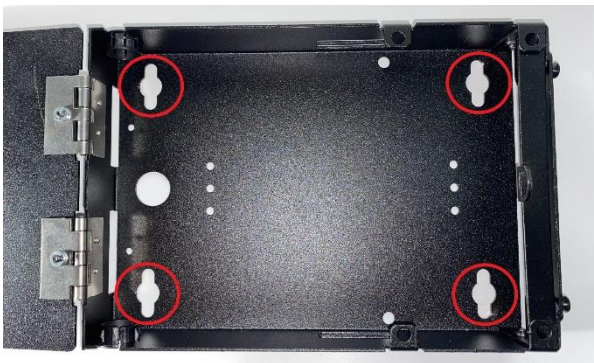
6.1 Before mounting the enclosure, consider the following.

6.2 Determine the best location for cable entry into the FTWM-01L based on the location of the enclosure entry grommets and minimal cable bending.

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

6.4 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.

6.5 To mount the FTWM-01L, position the enclosure on the wall and use a surface level to determine it is level and plum. Hold the leveled enclosure against the wall and mark the four (4) screw / bolt locations through the mounting holes.



Mounting Holes

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

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

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

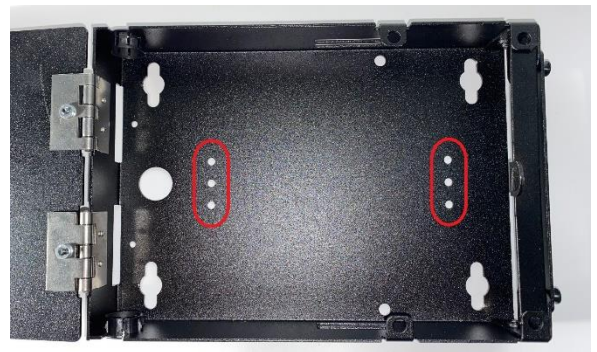
6.9 Install enclosure onto wall by guiding screw heads through center portion of each mounting hole.

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

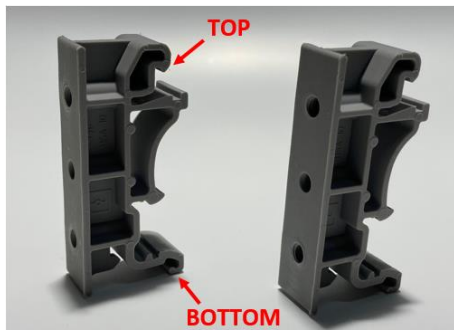
6.11 To mount the enclosure using the DIN rail mount adapters, follow these steps. (*Note: DIN rail is not supplied with enclosure*)

6.12 Mount the DIN rail that allows for full access to the enclosure.

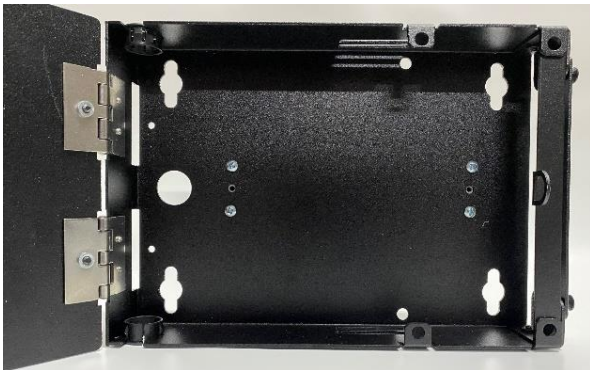
6.13 Locate the DIN rail adapter mounting holes in the back of the enclosure.



6.14 Place DIN rail adapter against the back side of the enclosure and attach using the included screws. Make sure the adapters are oriented in the same direction.



6.15 Be sure to use at least two screws to secure the adapters. This will prevent the adapters from rotating during installation onto the DIN rail.



6.16 Tilt the enclosure upward and hook the top of the adapter onto the DIN rail. Then rotate the enclosure downward to snap into place.



6.17 To remove the enclosure from the DIN rail, use a tool to gently pull up on the bottom tab of the adapters.

Note: Be sure to keep slight tension on the enclosure to release the second adapter.

6.18 With both adapters released, rotate enclosure upward to fully remove from the DIN rail.

7.0 Removing the Lock Plate

7.1 The lock plate of the FTWM-01L is removable. To remove the lock plate, follow these steps.

7.2 Unscrew the two screws on either side of the enclosure.

7.2 Slide the plate out from under the push/pull holes. Be sure to keep the screws if lock plate is to be reinstalled.



7.3 To replace the lock plate follow the above steps in reverse order. When replacing the lock plate, the locking hasp must be oriented toward the center of the enclosure.

8.0 Double Stacking Enclosures

8.1 Two FTWM-01L enclosures can be double stacked to allow up to 48 fibers to be stored inside.

8.2 To double stack the FTWM-01L, the lock plate will need to be removed from Enclosure #1.

8.3 Remove the door from the Enclosure #1 and hold onto the screws.



8.4 Place Enclosure #2 on top of Enclosure #1 and use the interior mounting holes to screw into the hinges of Enclosure #1. Use the screws from Enclosure #1's door to attach Enclosure #2.



8.5 Take the push/pull pins from the hardware kit from both enclosures and install them into the two interior hole locations. The enclosures are now stacked.



9.0 Cassette Installation

9.1 Install the cassette in the enclosure and remove clear cover.

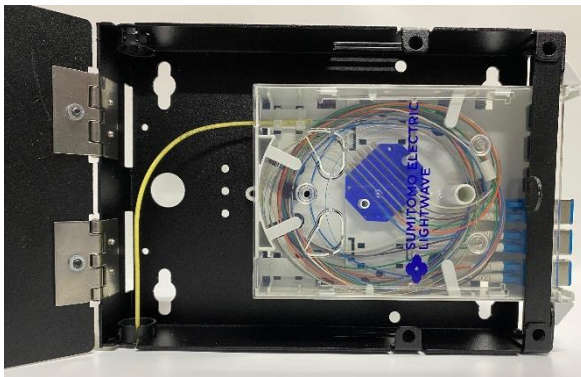
9.2 Route cable into the enclosure through the entry grommet.

9.3 Mark appropriate length of cable to have at least 1 to 2 wraps of fiber inside the cassette. Strip cable to marking.

9.4 Secure the bundle inside the cassette using a tie wrap. Be careful not to overtighten onto cable.

9.5 Splice the fibers. Refer to splicer manufacturers instructions for proper fiber splicing. Place each splice protection sleeve into the cassette splice chip

9.6 Neatly coil all excess fibers within the cassette. Place clear cover back onto cassette.



10.0 Fan-out Kit Installation

10.1 Install splice holder to the back of the enclosure. Clean the surface, with the included alcohol swab, before installing the splice holder.

10.2 Route cable into the enclosure through the entry grommet.

10.3 Route fibers around the inside perimeter of the enclosure. Use hook and loop straps and cable lacing slots to help manage the fibers. Do not violate the minimum bend radius of the fibers.

10.4 Splice the fibers to the Break-out Kit. Refer to splicer manufacturers instructions for proper fiber splicing.

10.5 Place each splice protection sleeve into the splice holder.

10.6 Neatly coil excess fibers around the inside perimeter of the enclosure. Do not violate the minimum bend radius of the fibers.

11.0 Pre-Terminated Cable Installation

11.1 Route cable into the enclosure through the entry grommet.

11.2 Route at least 2 to 3 wraps of cable around the inside perimeter of the enclosure. Use hook and loop straps and cable lacing slots to help manage cable routing. Do not violate bend radius of fibers.

11.3 Remove the dust caps from the connectors and the adapters. Clean each connector and adapter.

11.4 Insert connectors into the adapter plate.

