



Hubbell Premise Wiring Instruction Sheet
FIBER WALL MOUNT CABINET - FCW SERIES

Control No. 77829701

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Rev. F

Date: 16SEP03

1.0 Scope

This instruction sheet applies to the following HPW part numbers:

Enclosures:	FCW4SP	FCW12SP		
FSP Series				
Adapter Panels*:	FSPSCD3	FSPST6	FSPB	
Splice Trays:	STRAY12F	STRAY12M	STRAY24F	STRAY24M

*Contact HPW for information on additional adapter panels available for these products.

2.0 General Information

The FCW series of wall-mounted enclosures provide patching for ST or duplex SC configurations. The high-quality phosphor bronze alignment sleeves, used in the adapters, will support all multi-mode and most single-mode applications. Fiber optic enclosures are shipped with a modular mounting bracket installed that allows the FSP Series adapter panels to be snapped in place. The FSP Series adapter panels are sold separately from the enclosures. The FCW Series enclosures also have a splice tray mounting stud for installing two 7" or 10" splice trays.

3.0 Bill of Materials

All FCW series enclosures are shipped with the following parts:

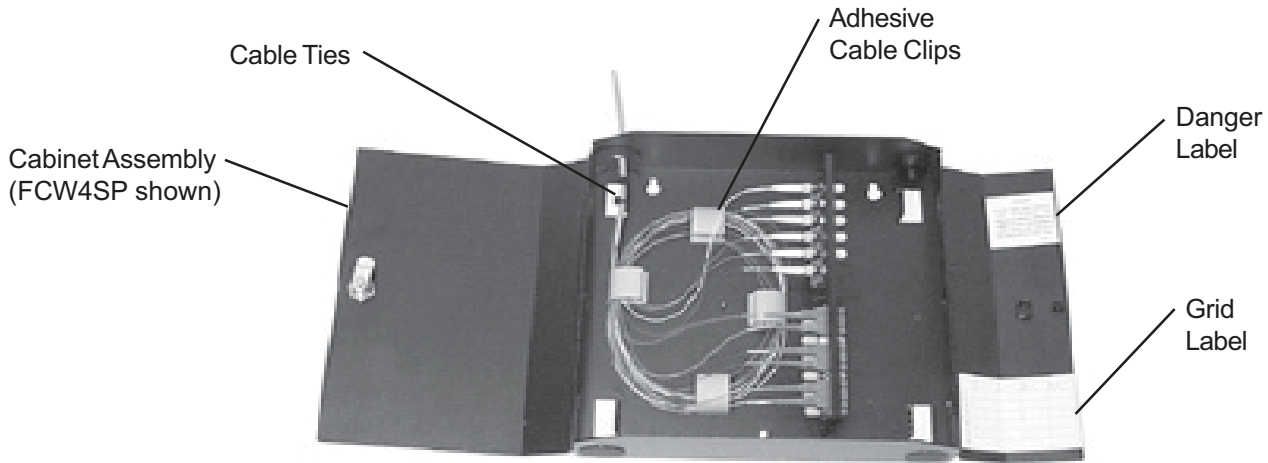
FCW4SP Accessory Pack		FCW12SP Accessory Pack	
Item	Qty	Item	Qty
Instruction Sheet	1	Instruction Sheet	1
Adhesive Cable Clips	4	O-Rings (Pre-installed in Cabinet)	4
Splice Tray Stud	1	Splice Tray Stud	1
Wing Nut	1	Wing Nut	1
Spare Door Fastener	1	Snap In Wire Clips (Pre-installed in Cabinet)	1
Keys	2	Spare Door Fastener	1
Danger Label	1	Keys	2
Grid Label	1	Danger Label	1
Wire Ties, 11"	8	Grid Label	1
		Wire Ties, 11"	8
		Adhesive Cable Clip	4

4.0 Enclosure Preparation and Mounting

- 4.1. Wall mounted enclosures should be placed after careful review of incoming cable and patch cord routing. There should be at least one meter of incoming cable available for use in terminating. This cable will be stripped to expose the fibers and the fiber slack will be stored in the enclosure.
- 4.2. If splice trays are to be used in the FCW enclosure, install the splice trays first (See Section 6.0). If no splice trays will be used in the FCW4SP, place the adhesive fiber management clips as shown in the illustration. If no splice trays will be used in the FCW12SP, use the snap in wire clips in the mount holes provided. Note that the opening of the adhesive clips in the FCW4SP should be to the inside of the loop formed by the clips. Alternate positioning may be used if desired, but care must be taken to ensure that the minimum bend radius (i.e., 1.18 inches for 900 micron buffered fiber) of the stored fiber slack is not violated. The positioning shown is the optimum for capacity and ease of use.
- 4.3. If the enclosure is not already loaded with connector adapter panels, they should be installed now. Take care to orient the adapters in a consistent manner, with all of the alignment keyways in the same direction.
- 4.4. The enclosure is ready for mounting. Use the enclosure for a positioning template, and use fasteners appropriate for the wall construction.

5.0 Cable Installation (refer to illustration below)

- 5.1. Carefully feed approximately 54 inches (or more) of cable through the port in the cabinet. Mark the cable jacket where it will tie to the cable tie bracket.
- 5.2. Carefully remove the jacket and all strength members to a point above (closer to the end) of the tie down point. (You will place the cable tie on jacketed cable.) Follow the cable manufacturer's recommendations for stripping and cleaning the cable, if necessary.
- 5.3. Secure the cable to the cable tie bracket as illustrated. Do not over tighten the cable ties!
- 5.4. Loosely route fibers around the fiber management clips to determine the best length for terminating and storing the fiber slack. Trim the fibers, if necessary, and remove from the clips.
- 5.5. Terminate the fibers according to the connector manufacturer's recommendations. *It is the responsibility of the installer to determine the proper method of termination, including whether additional supportive materials (break-out kits) are required.*
- 5.6. When all fibers are terminated, clean the connectors and insert them into the appropriate adapters. Then, gently route the fiber slack into the management clips.



6.0 Splice Tray Mounting and Capacity (refer to illustration below)

- 6.1. Both the FCW12SP and FCW4SP Enclosures are capable of holding two 7" or 10" splice trays. (Note: When high density adapter panels are used, only one splice tray may be used.) When installing splice trays in the enclosure, place the splice trays in the position shown below. **Do not install the snap-in wire clips.**
- 6.2. Each 10" splice tray can accommodate up to 24 splices. Each 7" splice trays can accommodate up to 12 splices. The tray with the "F" suffix will hold most common fusion splice protection sleeves including heat shrink, glass, and hinged adhesive types. The tray with the "M" suffix will hold mechanical splices from most major manufacturers.

