PON Splitter Tray

Part Numbers: FCP9PP-2323GG, FCP9PP-1323GG, FCP9SP-2323GG, FCP9SP-1323GG, FCP9PP-2163GG, FCP9PP-1163GG, FCP9SP-2163GG, FCP9SP-1163GG, FCP9PP-2083GG, FCP9PP-1083GG, FCP9SP-2083GG, FCP9SP-1083GG

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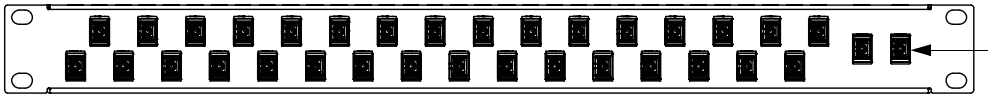
1.0 FRONT PANEL IDENTIFICATION

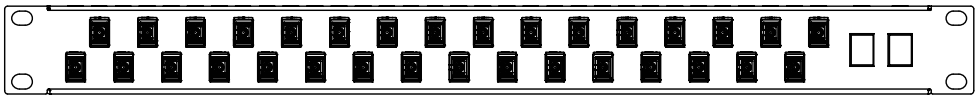
32 Output Models

FCP9PP-2323GG



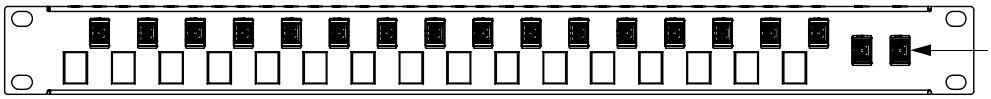
FCP9PP-1323GG

FCP9SP-1323GG
FCP9SP-2323GG



16 Output Models

FCP9PP-2163GG



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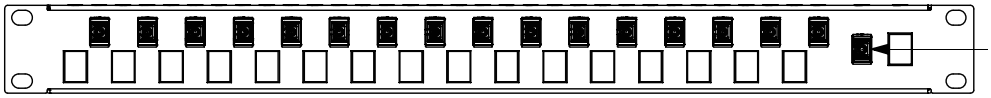

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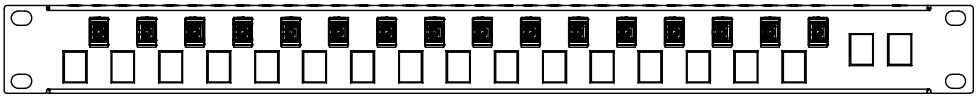
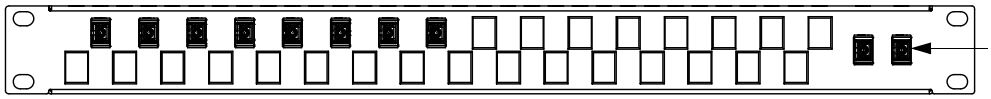
FCP9SP-2163GG

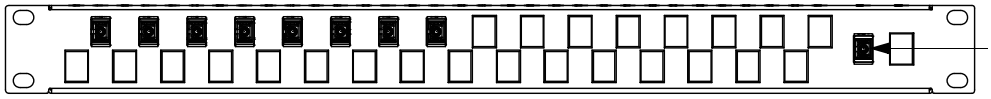


8 Output Models

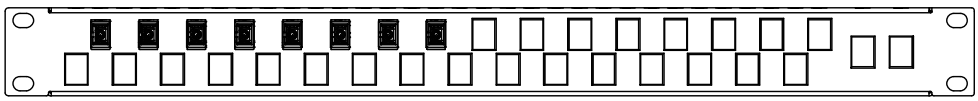
FCP9PP-2083GG



FCP9PP-1083GG



FCP9SP-1083GG
FCP9SP-2083GG

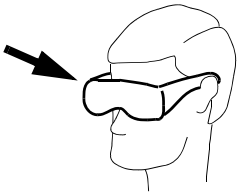


2.0 CONTENTS

ALL part numbers:
(4) #12-24 x 1/2" screws
(4) M6 x 1 x 15mm screws

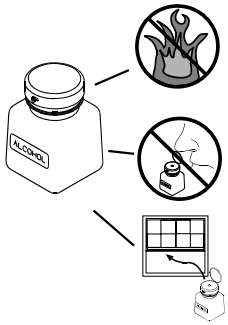
Splice ready units only: (contents stored under access cover, see image 6.1)
(2) #10-32 x 5/16" screws
(1) #10-32 hex nut
(1) Splice holder
(3) Splice protector
(1) Fiber management spool
(1) Strain relief bracket
(1) Input grommet
(2) Pan-Ty Cable Ties

3.0 SAFETY PRECAUTIONS



1. SAFETY GLASSES

WARNING: IT IS STRONGLY RECOMMENDED THAT SAFETY GLASSES BE WORN WHEN HANDLING BARE OPTICAL FIBER. THE BARE FIBER IS VERY SHARP AND CAN EASILY DAMAGE THE EYE.

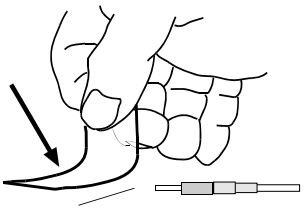


2. ISOPROPYL ALCOHOL

WARNING: ISOPROPYL ALCOHOL IS FLAMMABLE. CONTACT WITH THE ALCOHOL CAN CAUSE IRRITATION TO THE EYES. IN CASE OF CONTACT WITH THE EYES, FLUSH WITH WATER FOR AT LEAST 15 MINUTES. ALWAYS USE ISOPROPYL ALCOHOL WITH PROPER LEVELS OF VENTILATION. IN CASE OF INGESTION, CONSULT A PHYSICIAN IMMEDIATELY.

3. DISPOSAL OF BARE FIBERS

WARNING: PICK UP AND DISCARD ALL PIECES OF BARE FIBER WITH STICKY TABS. DO NOT LET CUT PIECES OF FIBER STICK TO CLOTHING OR DROP IN THE WORK AREA WHERE THEY ARE HARD TO SEE AND CAN CAUSE INJURY.



4. LASER LIGHT PROTECTION

USE OF CONTROLS OR PERFORMANCE OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. THE POWER OF EMISSION OF THE LASER BEAM EXCEEDS 1MW IN CLASS II AND IS LESS THAN 5MW IN CLASS IIIA/3R, SO THE FOLLOWING WARNINGS MUST BE FOLLOWED TO AVOID INJURY:

- **NEVER POINT THE LASER INTO THE EYES OF OTHERS.**
- **DO NOT STARE DIRECTLY AT THE LASER BEAM.**
- **DO NOT SET UP TOOL TO WORK AT EYE LEVEL OR OPERATE THE TOOL ON A REFLECTIVE SURFACE AS THE LASER COULD BE PROJECTED INTO YOUR EYES OR THE EYES OF OTHERS.**

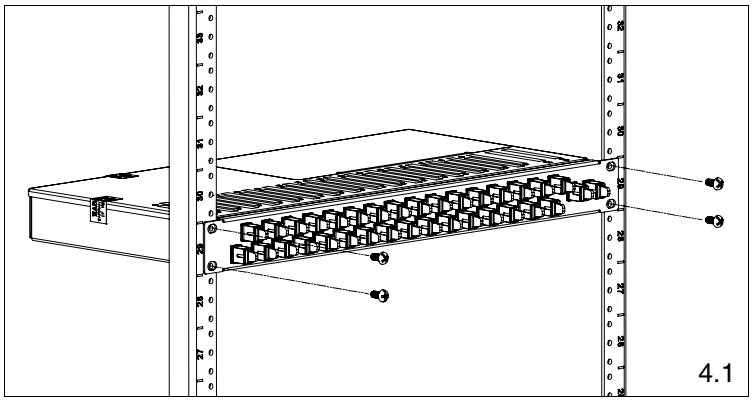
ALWAYS TURN THE LASER OFF WHEN IT IS NOT IN USE OR IS LEFT UNATTENDED FOR A PERIOD OF TIME. REMOVE THE BATTERIES WHEN STORING FOR AN EXTENDED PERIOD OF TIME TO AVOID DAMAGE TO THE TOOL SHOULD THE BATTERIES DETERIORATE.
NEVER LOOK INTO THE PATH OF THE VISUAL FAULT LOCATOR OR ANY OTHER LASER BEAM.
NEVER LOOK INTO THE END OF A FIBER WHICH MAY HAVE ANY VISUAL FAULT LOCATOR, OR ANY OTHER LASER, COUPLED TO IT.
NEVER LAUNCH ANY VISUAL FAULT LOCATOR INTO ACTIVE EQUIPMENT OR MICROSCOPE. MAKE SURE THAT THE END OPPOSITE THE VISUAL FAULT LOCATOR IS NOT CONNECTED TO ANY ELECTRONICS OR ACTIVE EQUIPMENT DURING TERMINATION.

5. CABLE HANDLING

WARNING: FIBER OPTIC CABLE CAN BE DAMAGED BY EXCESSIVE PULLING, TWISTING, CRUSHING OR BENDING STRESSES. CONSULT THE APPROPRIATE SPECIFICATION SHEETS AS PROVIDED BY YOUR CABLE VENDOR. ANY DAMAGE MAY DECREASE OPTICAL PERFORMANCE.

4.0 Rack Installation

4.1 Mount the PON Splitter Tray to the rack using either (4) #12-24 screws or (4) M6 x 1 screws.

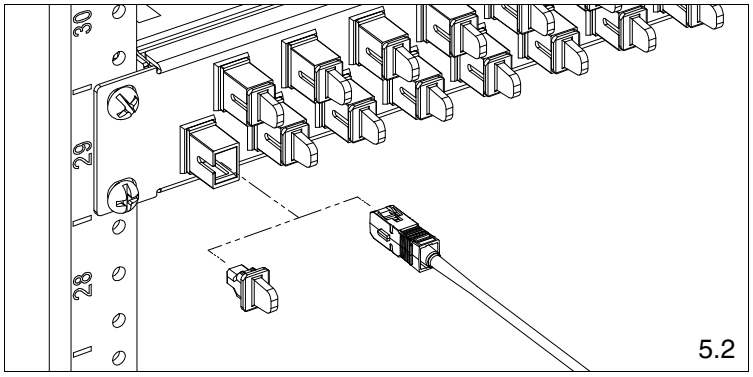


5.0 Connector Installation

5.1 For splice ready models, do not fusion splice the input fiber(s) with the output connectors plugged in. Refer to section 6.0 below for splice connection instructions.

5.2 Remove dust caps and install SC/APC connectors. It is recommended to inspect the connectors prior to installation and clean if necessary.

5.3 Refer to Panduit document FS061* for fiber inspection and cleaning instructions. (*Denotes document revision letter.)



6.0 Splice Connection Installation (For splice ready models only)

6.1 Remove only the two screws for the access cover as shown. Slide off the access cover and remove the splice accessories kit.

6.2 Note the input fiber(s) wrapped around the fiber management spool. Unwrap the required length of input fiber from the spool. Note that the last coil is attached to the spool with adhesive tape, do not remove the tape, or unwrap the last coil.

6.3 Remove the rear or side knockout for cable entry.

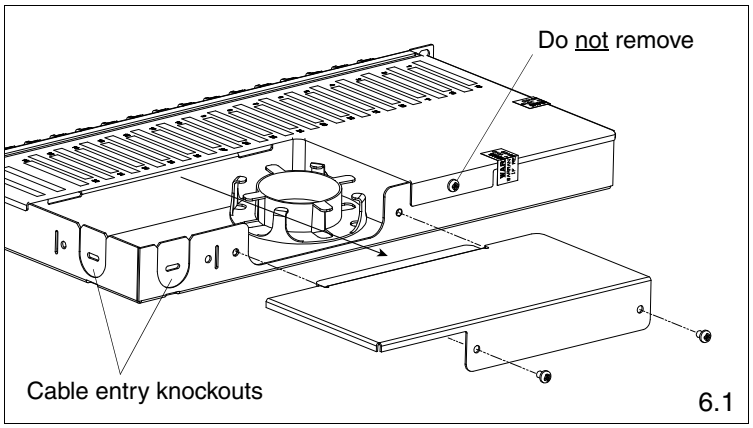
6.4 Cut a hole or straight lines in the center of the input grommet for the cable. Install the prepared grommet in the knockout opening.

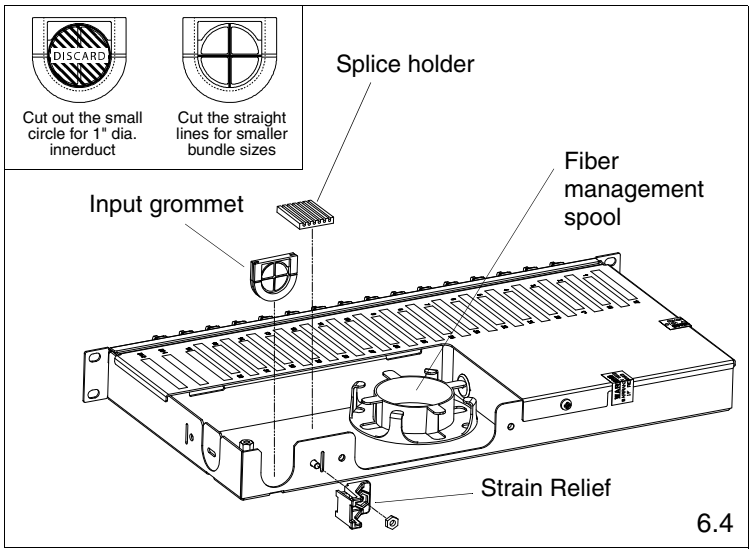
6.5 Secure the strain relief bracket to the tray using a #10-32 screw and #10-32 nut.

6.6 Mount the splice holder to the tray using the peel-away adhesive on the bottom.

6.7 Strip off 7" of the cable jacket from the incoming cable.

6.8 Install the cable through the input grommet and secure to the strain relief with a cable tie.





6.9 Slide the splice protector over the input fiber.

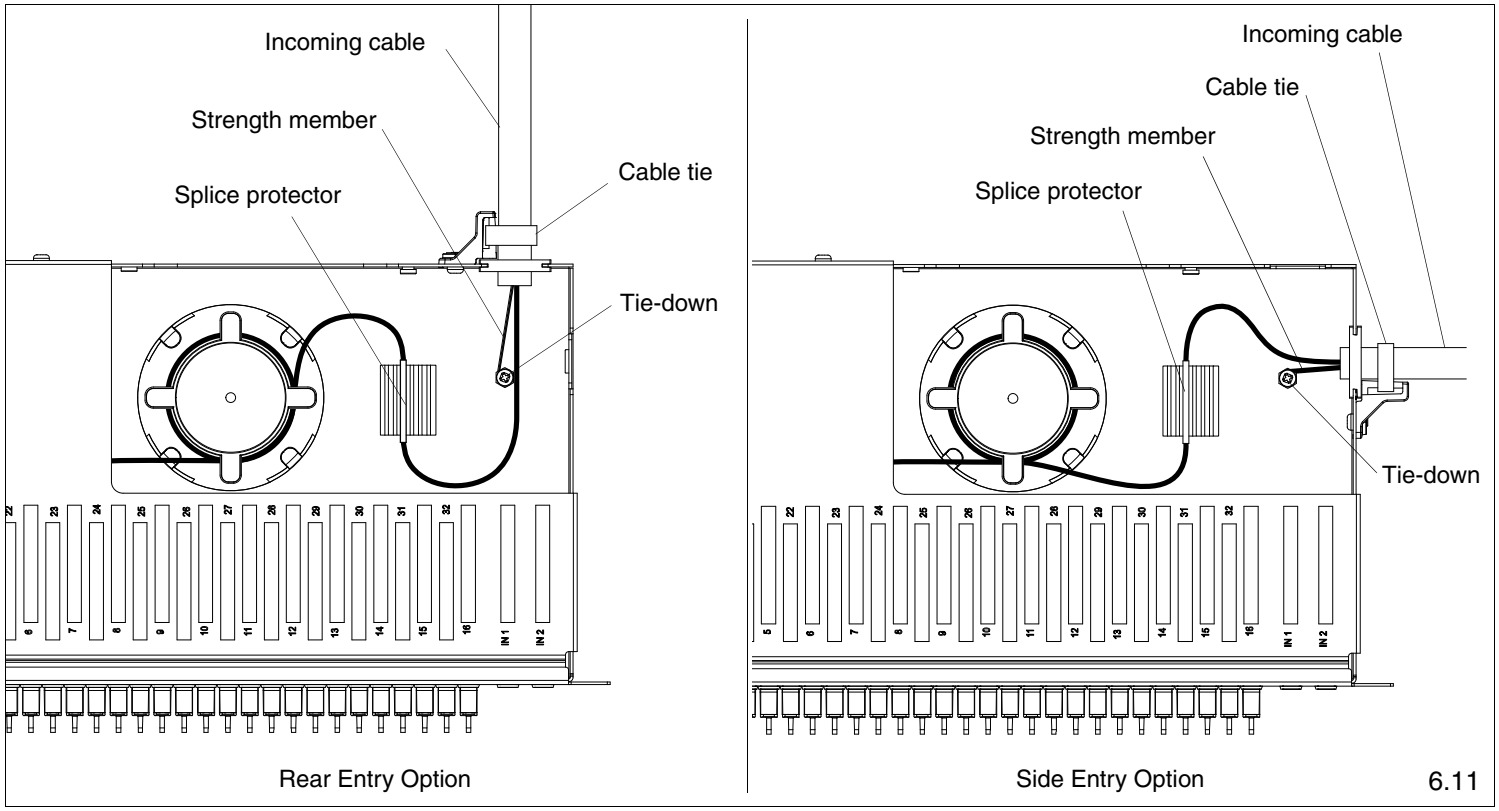
6.10 Fusion splice the incoming fiber from the cable to the PON Splitter Tray input fiber following typical industry standard splice procedures (see step 6.2). Secure the connection with a splice protector. For a two input option, repeat for the second input.

6.11 Insert the splice protector(s) in the slot(s) of the splice holder.

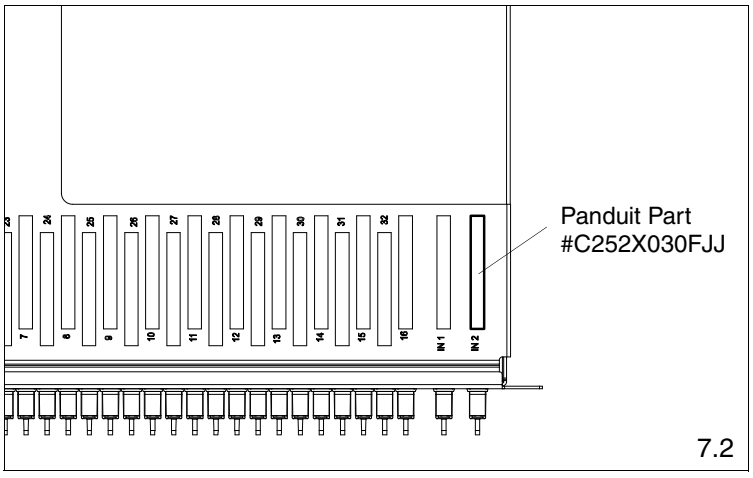
6.12 Route the fiber as shown below. Loose fiber may be re-wrapped around the fiber management spool.

6.13 Secure the cable strength members (e.g. kevlar) to the tie-down with a #10-32 screw.

6.14 Replace access cover and secure with the (2) #10-32 screws.



7.0 Port Labeling

7.1 The white rectangles on the cover can be used as writing areas for port identification.

7.2 For TIA-606-B compliance, adhesive laser/ink jet network labels (Panduit Part #C252X030FJJ, printed with Panduit's Easy-Mark Labeling Software) can be applied over the white rectangles.