Installation Prodecures For Bantam Plus DSX-1/1C 56- and 60-Circuit Panel

365-301-125-1
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General

This instruction sheet provides procedures for installing the Bantam Plus 56- and 60-Circuit Rear Cabled/Rear Cross-Connected Hardwired DSX-1/1C Panels in an unequal-flange framework with 23-inch by 1-inch (584 by 25 mm) mountings (Network Bay Frame or equivalent).

Equipment Description

Refer to Figure 1. Bantam Plus 56- and 60-Circuit Rear Cabled/Rear Cross-Connected Hardwired DSX-1/1C panels are equipped with either 56 or 60 jack circuits, respectively, for the cable termination, cross-connecting, monitoring, and rerouting of DS-1 (1.544 Mb/s) and/or DS-1C (3.152 Mb/s) digital signals.

The panels measure 23 inches (584 mm) wide, 4 inches (102 mm) high, and 10 inches (254 mm) deep. The fronts of both panels are equipped with the appropriate number of bantam tri-jacks (56 or 60 bantam tri-jacks, one tri-jack per jack circuit). Each jack circuit is comprised of a Tracing Lamp (LED), and IN, OUT, and MON (Monitor) jacks. A single horizontal label below the tri-jacks on the front of the panel is available for equipment designation and separate circuit designation labels mount in the upright flanges adjacent to the panel.

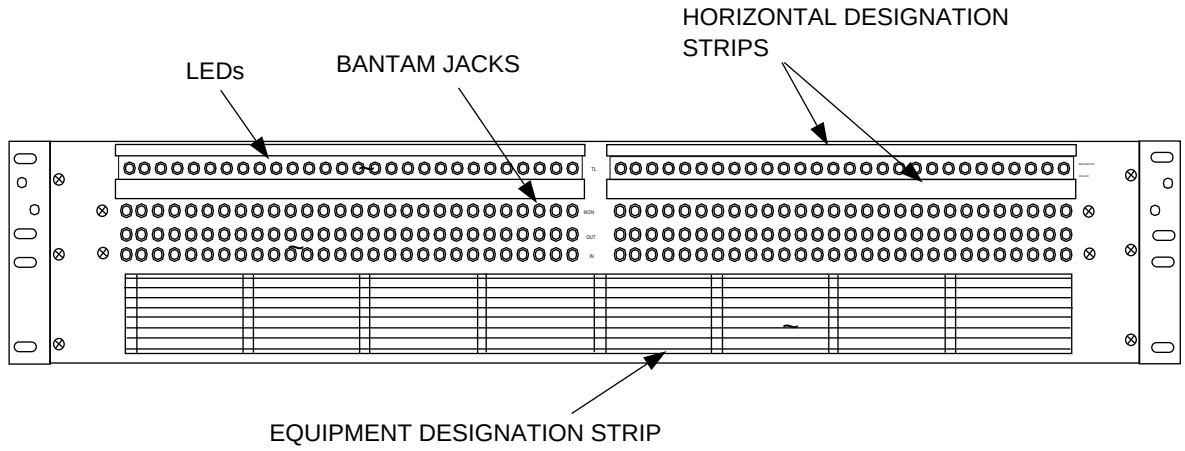

Figure 1. Bantam Plus 56-Circuit Panel

How to Contact Us

- To find out more about **Carrier Apparatus** products, visit us on the web at: http://cw.commscope.com/
- For technical assistance regarding Carrier Apparatus products: contact your local CommScope account representative or CommScope technical support at 1-800-344-0223.
- Report any missing or damaged parts to CommScope customer service in Omaha, Nebraska, at 1-866-539-2795.

References

- 365-301-120 — Bantam Plus *DSX-1/1C System Reference Guide*
- ED-6C156-10 — Bantam Plus *DSX-1/1C System Ordering and Engineering*

Tools Required

- Cable stripper
- Spudger
- Wire-wrap gun
- Screw-driver, flat blade 0.25-inch (6 mm) wide
- Cable ties and/or lacing cord

Ordering Information

Apparatus Code	Material ID	Description
DSX1-R2-56-R/4B23	106 803 158	Black 56-circuit rear/rear hardwired jack panel.
DSX1-R1-60-R/4B23	107 966 806	Black 60-circuit rear/rear hardwired jack panel.
—	846 839 827	Two 2" x 4" (51 x 102 mm) label sets, holders and covers.
—	846 839 835	Two 4" x 4" (102 x 102 mm) label sets, holders and covers.
—	846 839 843	Five 2" x 4" (51 x 102 mm) label sets and ten covers.
—	846 839 850	Five 4" x 4" (102 x 102 mm) label sets and ten covers.
—	846 853 047	One package of five flashing red LEDs for replacing tracing lamps and hardwired jack panels.
—	846 853 067	One package of five flashing yellow LEDs for replacing tracing lamps and hardwired jack panels.
—	846 853 075	One package of five flashing green LEDs for replacing tracing lamps and hardwired jack panels.
—	846 853 083	One package of five flashing amber LEDs for replacing tracing lamps and hardwired jack panels.

MOUNTING PANEL ON REAR OF FRAME

Panel mounting brackets are factory-mounted at the 5-inch (127 mm) recessed location. Refer to the following procedures and Figure 2 to mount the panel on the rear of the frame:

1. Mount panel at desired location and fasten with four #12-24 by 3/8-inch (9.52 mm) screws.
2. Remove horizontal cover/jumper tray to expose equipment cabling terminals.
3. Fasten D-Rings and appropriate D-Ring mounting brackets (straight or Z-shaped) with eight #10-32 by 1/4-inch (6.4 mm) screws.

Note:
Figure 2 shows both types of mounting brackets. Select the type of D-Ring mounting bracket that best matches the existing hardware.

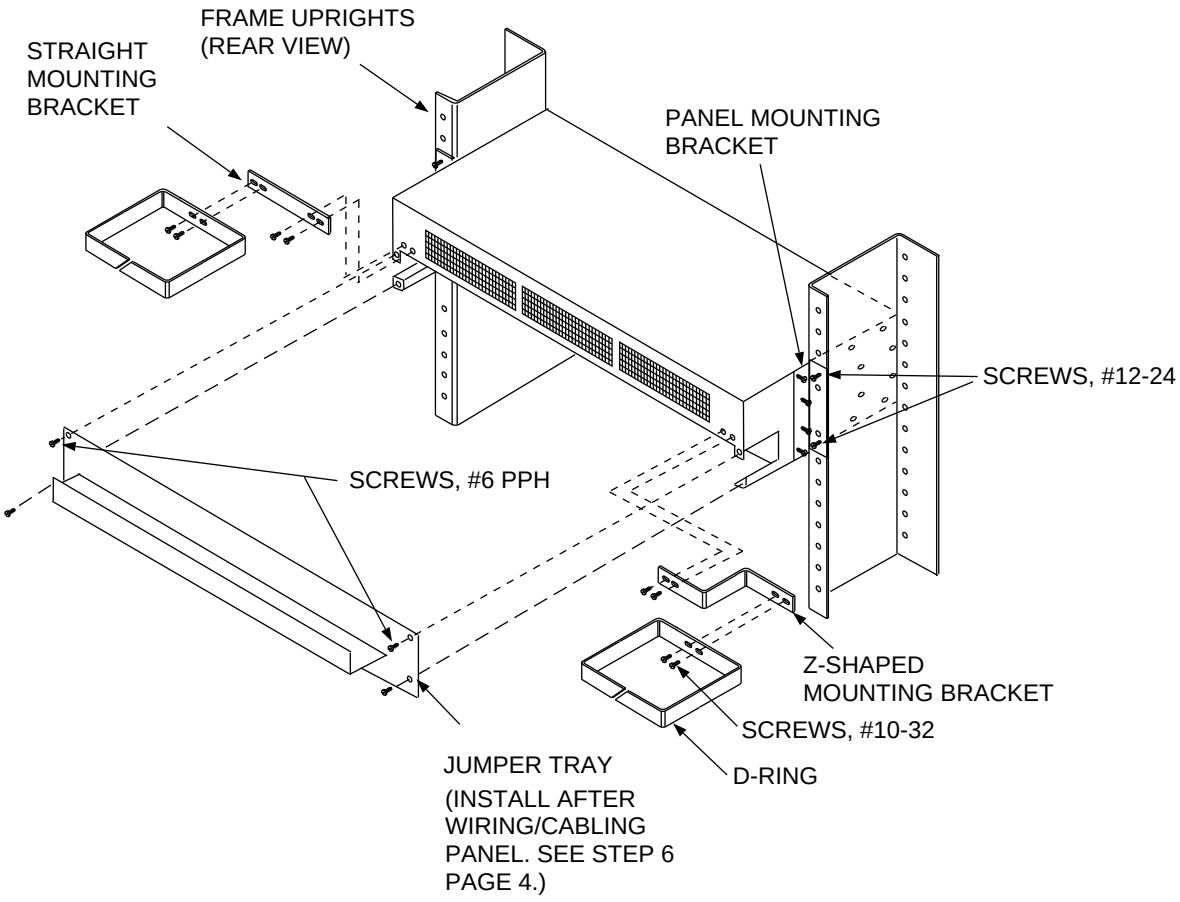

Figure 2. 56- and 60-Circuit Rear/Rear Hardwired Bantam Panel to Rear of Frame

WIRING/CABLING PANEL

1. Dress equipment cables in the vertical channel (duct). Remove insulation.
2. Tape conductor ends and dress into wiring channel on the panel.

   Note:
   Taped conductors should be protected for approximately 1-inch (25 mm) into the panel.
3. Terminate equipment wiring to T IN, T OUT, R IN, and R OUT terminals using wire-wrapping tool (insulated bit is recommended).
4. Route wiring through cable access opening at either side of the panel.

   Note:
   Minimize cross-talk by maintaining the twist in the conductor pairs as close to the wire-wrap terminals as possible.
5. Connect power and ground wiring to the terminal block (see Figure 3).
6. Replace horizontal cover/jumper tray over cabling terminals using four #6 Phillips pan-head screws (see Figure 2 on page 3).
7. Attach Y2-type cross-connect jumpers on terminals using appropriate wire-wrapping tool (insulated bit is recommended).
8. Use wire tray and fanning strip for routing and supporting jumpers.

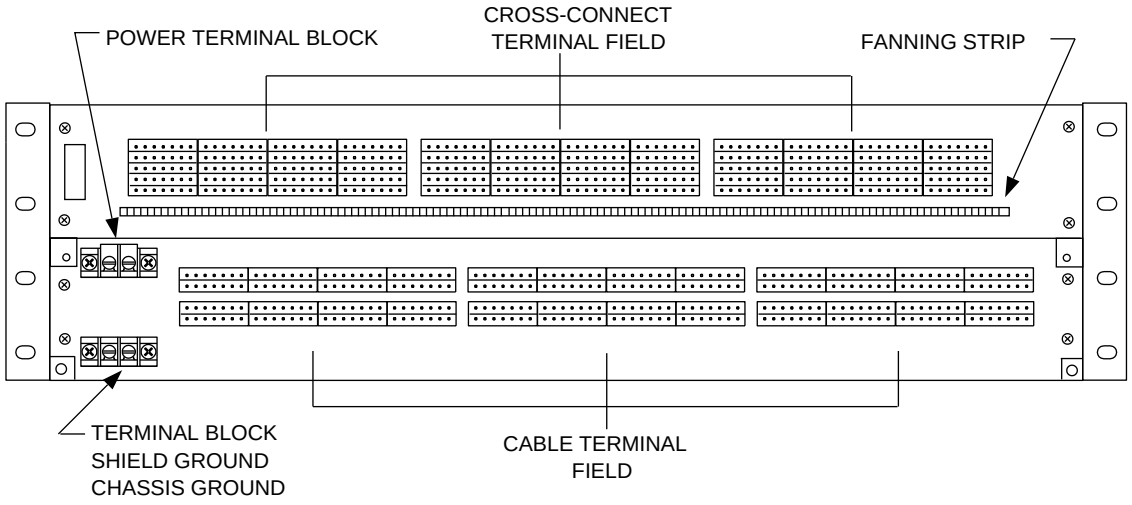

Figure 3. Wiring and Cabling

INSTALL LABEL HOLDERS AND LABELS

1. At front of panel, install 2-inch x 4-inch (51 mm x 102 mm) label holders on both sides of panel on the frame and insert panel (see Figure 4).

Note:
Optional 4-inch x 4-inch (102 mm x 102 mm) label holders and labels are available if more designation space is desired. Refer to ED-6C156-10 for additional ordering information.

2. Insert labels in label holders after marking positions to reflect cross-connect wiring.

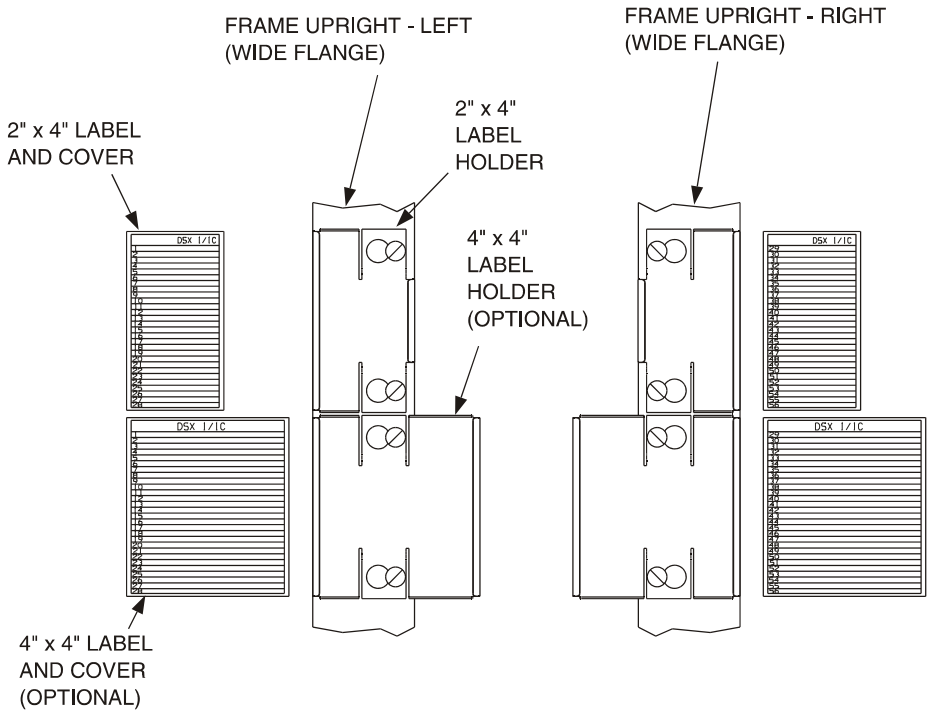

Figure 4. Installing Label Holders and Label