

General

This instruction sheet provides procedures for installing the Bantam Plus 84-Circuit Rear Cabled/Rear Cross-Connected Hardwired DSX-1/1C Panels in an unequal flange framework with 23-inch by 1-inch (584 mm by 25 mm) mountings (Network Bay Frame or equivalent). This instruction sheet also provides procedures for installing the DSX1G1-84H Designation Label Kit. The label kit may be ordered separately (see the Ordering Information Table on page 2).

CAUTION:

Sprays and cleaners can damage plastic parts. Do not apply any sprays or cleaners to this product that have not been specifically approved. Be especially careful not to expose any plastic parts to chemicals containing trichlorethane, which is often found in cleaning fluids and lubricant sprays.

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

- 365-301-125 — Bantam Plus *DSX-1/1C System Reference Guide/Planning, Engineering, Installation Operation, and Maintenance*
- ED-6C156-10 — Bantam Plus *DSX-1/1C System Ordering and Engineering*

Tools Required

- Cable stripper
- Cable ties and/or lacing cord
- Spudger
- Flat-blade 0.25-inch (6 mm) wide screwdriver, 6 inches (152 mm) long
- Screw-starter
- Wire-wrap gun
- Wire stripper

Ordering Information

Apparatus Code	Material ID	Description
DSX1-R1-84-R/5B23/28	106 954 852	White, 84-circuit, rear/rear hardwired panel with A, B, and C jack circuit groups. Each circuit group is numbered 1–28 (upper row 1–14; lower row 15–28).
DSX1-R2-84-R/5B23/28	107 999 740	Black, 84-circuit, rear/rear hardwired panel with A, B, and C jack circuit groups. Each circuit group is numbered 1–28 (upper row 1–14; lower row 15–28).
DSX1-R2-84-R/5B23	107 217 374	Black, 84-circuit, rear/rear, hardwired panel with upper row of jack circuits numbered 1–42 and lower row of jack circuits numbered 43-84.
DSX1G1-84H	107 063 323	Circuit and equipment designator label kits, including vinyl label holders and rigid inserts, for 84-circuit hardwired jack panels.

MOUNTING PANEL ON REAR OF FRAME

Note:

Panel mounting brackets are factory-mounted at the 5-inch (127 mm) recessed location.

1. Adjust panel mounting brackets to desired mounting depth, if necessary.
2. Mount panel at desired location and fasten with four No. 12-24 by 3/8-inch (9.52 mm) long screws (see Figure 1 on page 3).

Note:

If the frame is equipped with ED-6C157-30 horizontal and vertical troughs, the D-rings and associated (straight or Z shaped) brackets are not required.

3. If necessary, fasten D-rings and appropriate D-ring mounting brackets (straight or Z shaped) with eight No. 10-32 by 1/4-inch (6.4 mm) long screws. Figure 1 shows both types of mounting brackets. Select the type of D-ring mounting bracket that best matches the existing hardware.
4. Install DSX1G1-84H (Material ID 107 063 323) Label Kit. Refer to the "INSTALLING DSX1G1-84H DESIGNATION LABEL KIT" on page 7.
5. Refer to the "WIRING/CABLING PANEL" on page 5 to complete the installation.

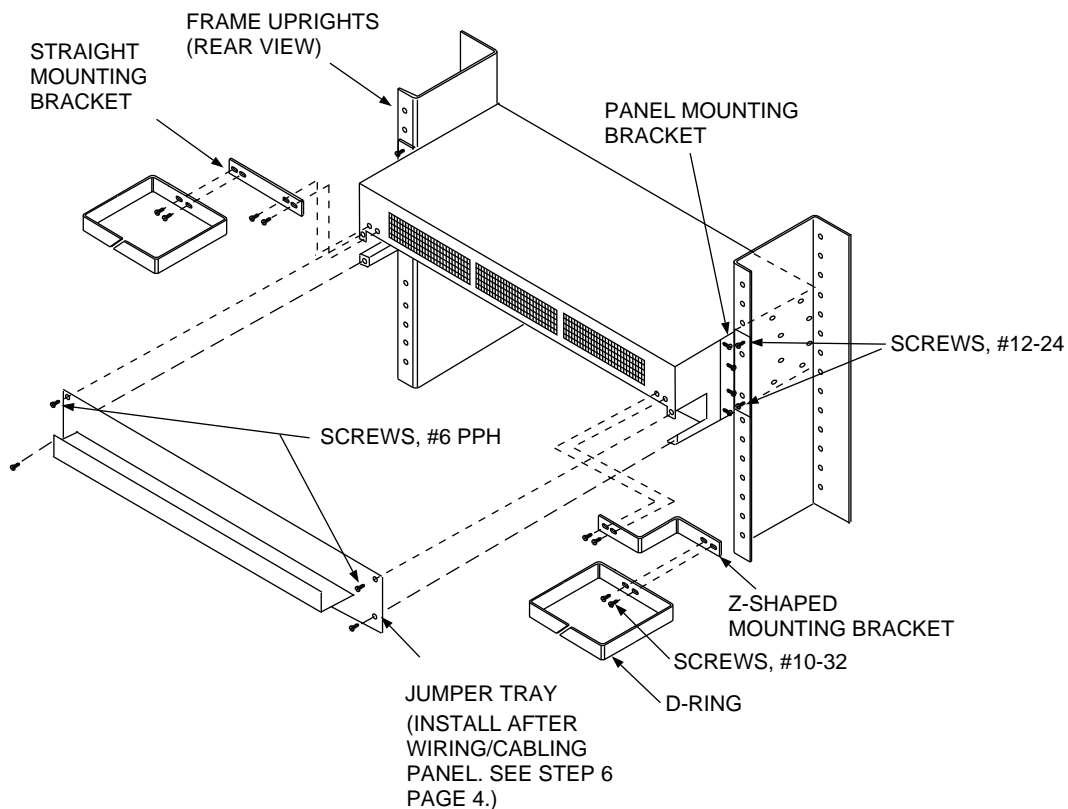


Figure 1. Mounting 84-Circuit Rear/Rear Hardwired Bantam Panel to Rear of Frame

MOUNTING PANEL ON FRONT OF FRAME

Note:

Panels typically mount on the front of frame (wide flange side) if the frame is equipped with ED-6C157-30 horizontal express and vertical troughs.

1. Adjust panel mounting brackets to desired mounting position, if necessary.
2. Place panel in existing 23-inch (584 mm) frame at desired location and fasten with four No. 12-24 by 3/8-inch (9.52 mm) long screws (see Figure 2).
3. Install DSX1G1-84H (107 063 323) Label Kit. Refer to the "INSTALLING DSX1G1-84H DESIGNATION LABEL KIT" on page 7 of this instruction sheet.
4. Refer to the "WIRING/CABLING PANEL" on page 5 of this instruction sheet to complete the installation.

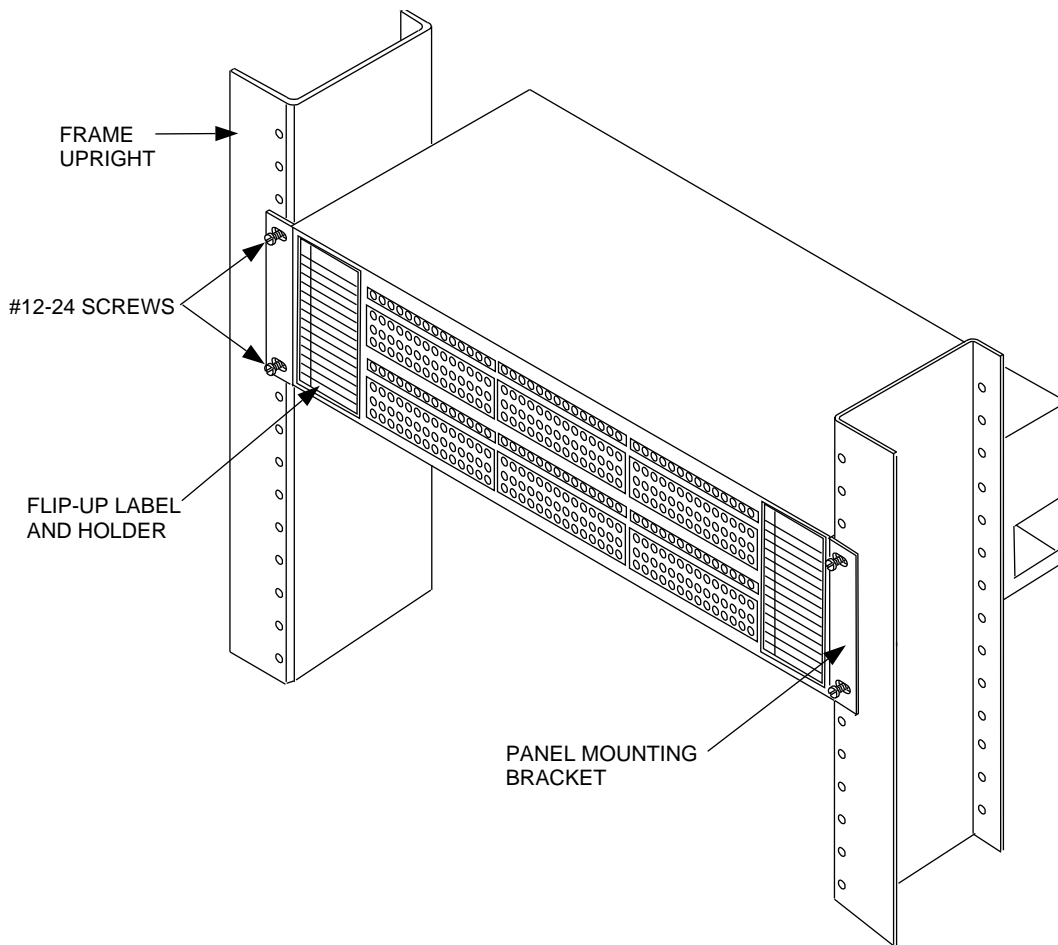


Figure 2. Mounting 84-Circuit Rear/Rear Hardwired Bantam Panel on Front of Frame

WIRING/CABLING PANEL

1. Dress equipment cables in the vertical channel (duct) and remove insulation. Tape conductor ends and dress into wiring channel of panel. Taped conductors should be protected approximately one inch (25 mm) into the panel (see Figure 3 on page 5).
2. Terminate equipment wiring to color coded terminals (T IN, T OUT, R IN, and R OUT) with wire-wrapping tool. An insulated bit is recommended. See Table A for wire-wrap terminal color codes.
3. Route wiring through cable access opening at either side of panel.
4. Secure cable to eyelets using cable ties provided.

Note:

To minimize cross-talk, maintain the twist in the pairs as close to the wire-wraps pins as possible.

5. Connect poser and ground wiring to the terminal block.
6. Install rear jumper tray using two No. 6 Phillips pan-head screws (see Figure 1 on page 3).
7. Attach Y2-type cross-connect jumpers on color coded terminals using appropriate wire-wrapping tool. An insulated bit is recommended. See Table A for wire-wrap terminal color codes.
8. Use the horizontal jumper tray and fanning strip for routing and supporting jumpers.

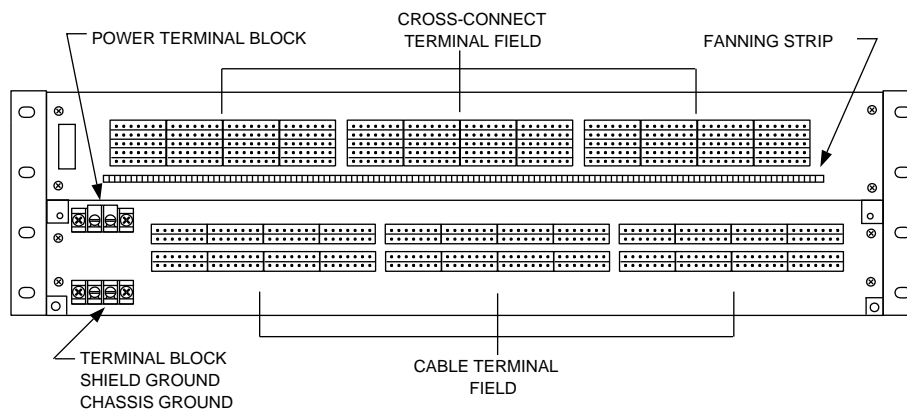


Figure 3. Rear View—84-Circuit Rear/Rear Hardwired Bantam Jack Panel (Jumper Tray Removed)

Field	Pin		Color
Cross-Connect Terminal Field	OUT	TL	Green
		TN	Orange
		RN	White
	IN	TN	Blue
		RN	White
Cable Terminal Field	OUT	T	Orange
		R	White
	IN	T	Blue
		R	White

INSTALLING DSX1G1-84H DESIGNATION LABEL KIT

1. Determine which side of the label set will be used:
 - For sequential circuit numbering (1–84), use label sides marked LABEL 1A, LABEL 1B, LABEL 1C, and LABEL 1D (see Figure 4).
 - For circuit group numbering 1–28 A, B, and C groups, use label sides marked LABEL 2A, LABEL 2B, LABEL 2C, and LABEL 2D (see Figure 5 on page 8).
2. Arrange the label set so that the label type designators of each of the four labels are showing the same type (side), either LABEL 1A, 1B, 1C, and 1D, or LABEL 2A, 2B, 2C, and 2D.

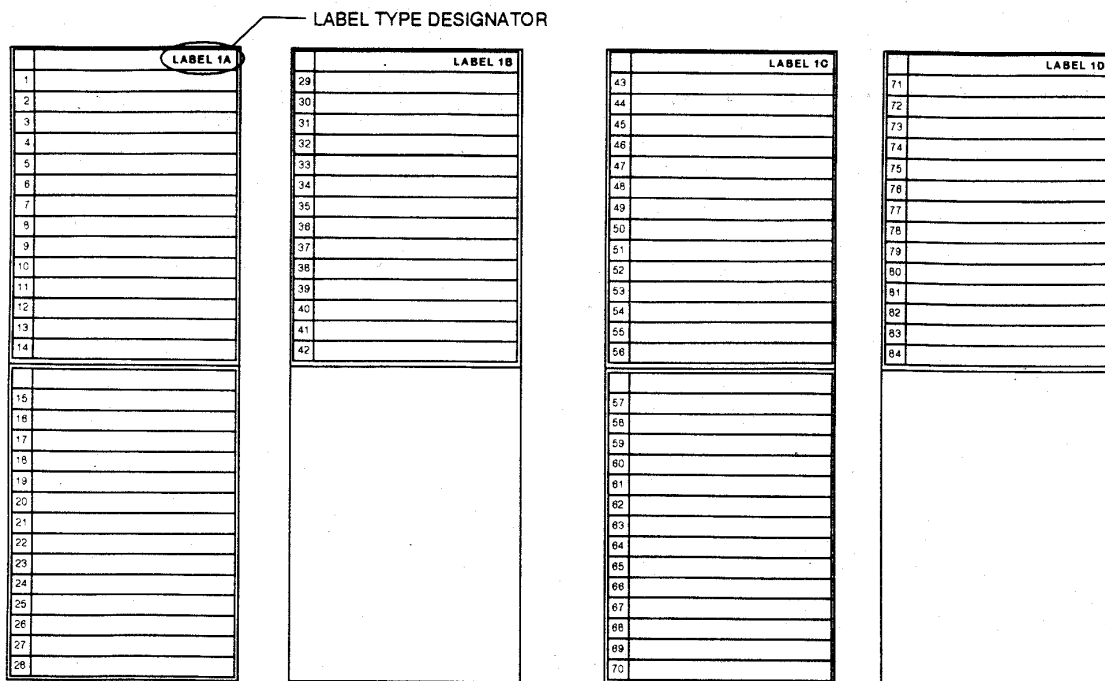


Figure 4. Label Set for 1–84 Circuit Numbering

A		LABEL 2A	
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			

B		LABEL 2B	
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			

B		LABEL 2C	
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			

C		LABEL 2D	
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			

A	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	

B	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	

C	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	

Figure 5. Label Set for 1–28 A, B, and C Circuit Numbering

INSTALLING DSX1G1-84H DESIGNATION LABEL KIT (CONTINUED)

See Figure 6 for Steps 3 through 6 below.

3. Affix equipment designation labels to the top of two semirigid clear plastic label holder inserts. Equipment designation labels may also be affixed to the top of the panel.
4. Slide one label holder insert (with equipment designation label) into the bottom half of each vinyl label holder.
5. Slide one label holder insert into the top half of each vinyl label holder.
6. Fold all four labels so the label set designator (LABEL 1A, 1B, 1C, and 1D, or LABEL 2A, 2B, 2C, and 2D) is visible in the upper right hand corner and insert the folded end first into the vinyl holders as follows:
 - a) LABEL 1A or LABEL 2A into top half of left side of vinyl label holder.
 - b) LABEL 1B or LABEL 2B into bottom half of left side vinyl label holder (in front of label holder insert).
 - c) LABEL 1C or LABEL 2C into top half of right side of vinyl label holder.
 - d) LABEL 1D or LABEL 2D into bottom half of right side vinyl label holder (in front of label holder insert).

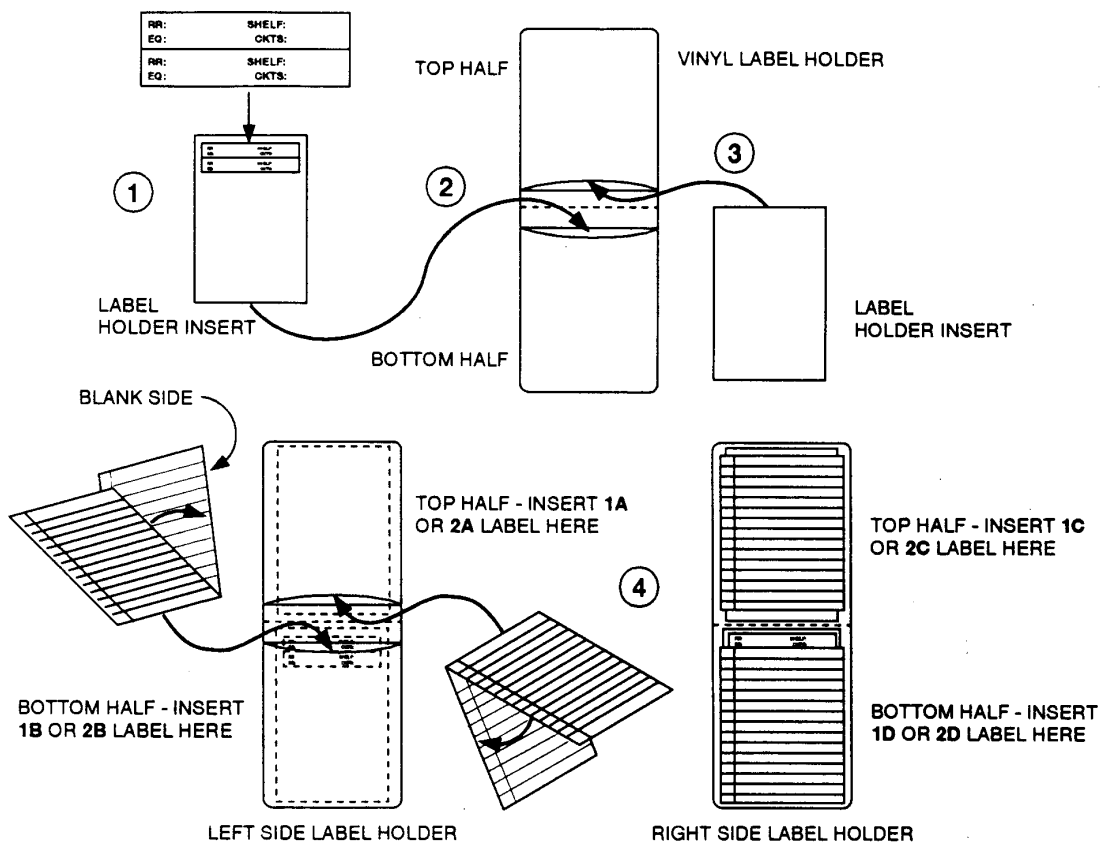


Figure 6. DSX1G1-84H Designation Label in Vinyl Label Holders

INSTALLING DSX1G1-84H DESIGNATION LABEL KIT (CONTINUED)

See Figure 7 for Steps 7 and 8 below.

7. Insert bottom half (half with LABEL 1B or 2B) of vinyl label holder into metal label holder on left side of panel. Fold over the top half of the vinyl label holder and tuck end into bottom edge of metal label holder. LABEL 1A or LABEL 2A should be visible from the front of the panel.
8. Insert bottom half (half with LABEL 1D or LABEL 2D) of vinyl label holder into metal label holder on right side of panel. Fold over the top half of the vinyl label holder and tuck end into bottom edge of metal label holder. LABEL 1C or LABEL 2C should be visible from the front of the panel.

Note:

The blank side of each label set should be facing the panel and not be visible.

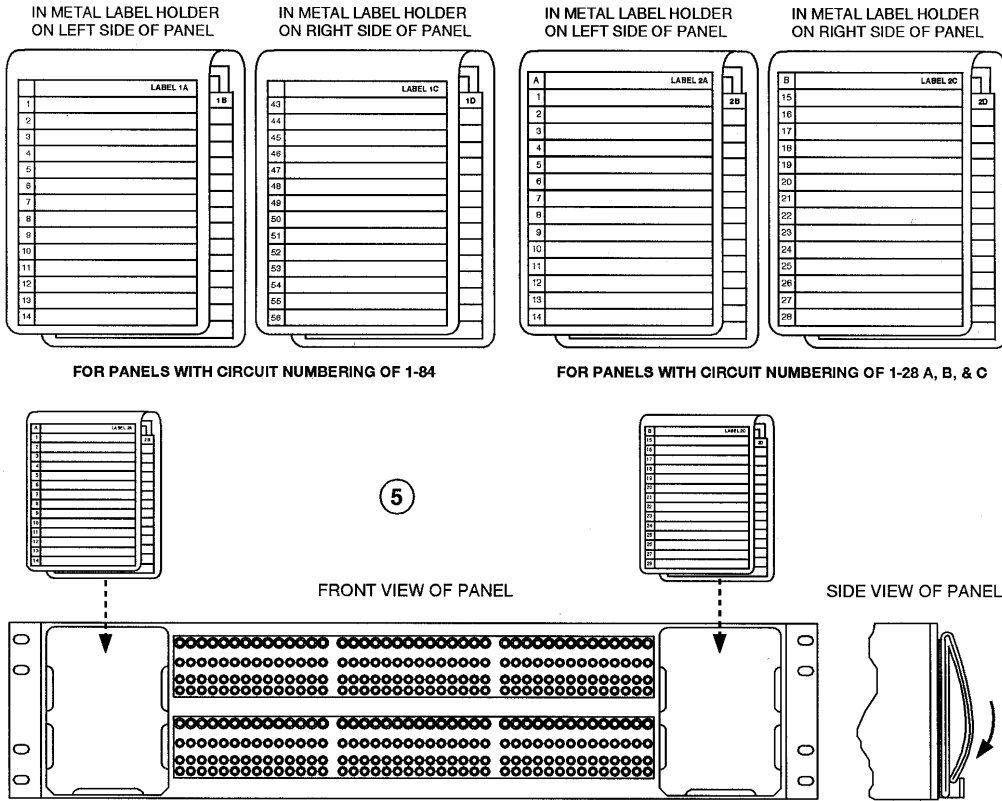


Figure 7. Installing DSX1G1-84H Designation Labels