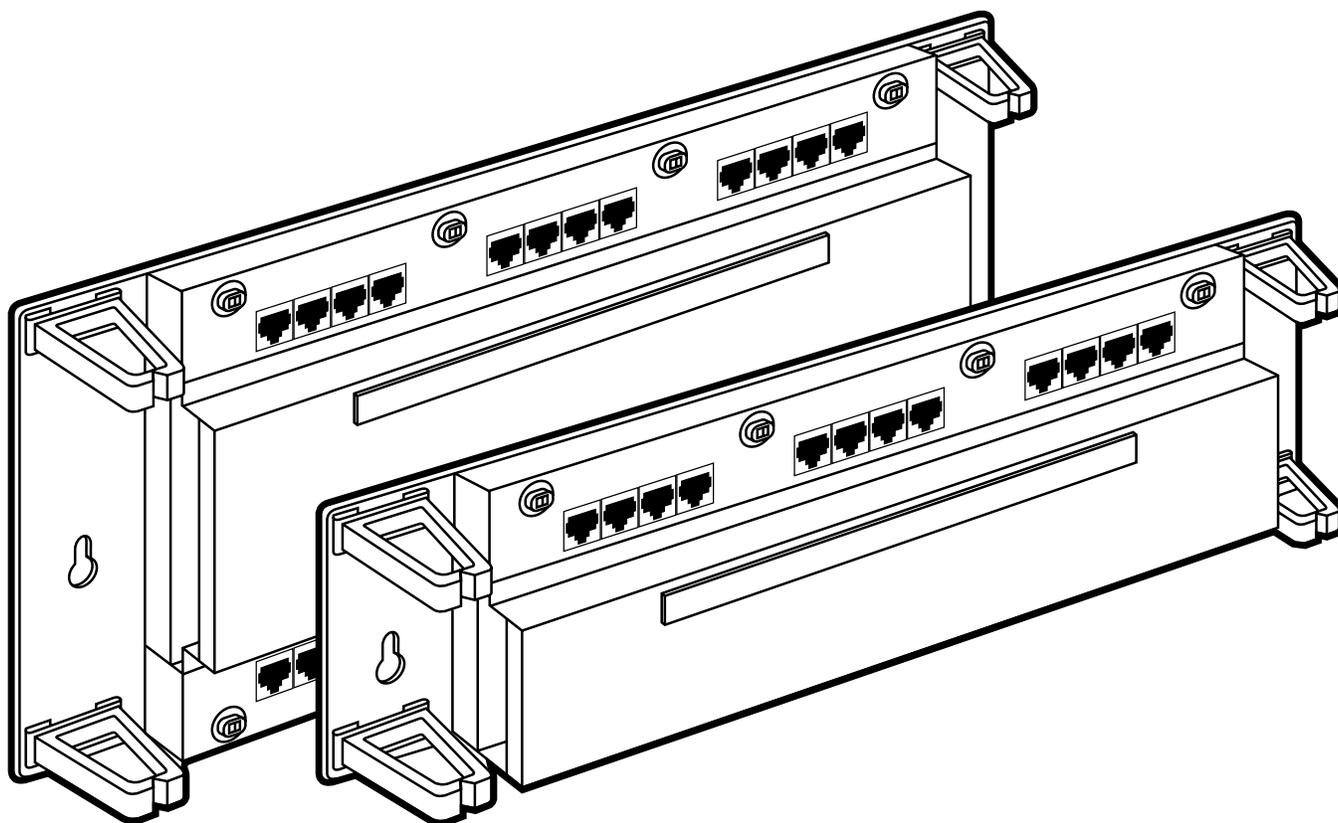




Wallmount CAT6 Universal Patch Panel (12- or 24-Port)



**CUSTOMER
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INFORMATION**

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FREE technical support 24 hours a day, 7 days a week: Call **724-746-5500** or fax **724-746-0746**
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1. Specifications

Compliance: UL® Listed

Termination Type: Incoming cables terminated to 110 clips

Wiring: T568B or T568A

Bandwidth Support: Up to 250 MHz

Transmission: Exceeds Category 6 requirements for near-end crosstalk (NEXT), attenuation, and return loss as specified in TSB-40 standard

Plug Insertion Life (MTBF): 750 cycles minimum

Connectors: (12) or (24) RJ-45 modular jacks used for patching T568B or T568A wiring pattern (see Figure 1 below); IDC connectors support 22, 24, or 26 AWG solid wire

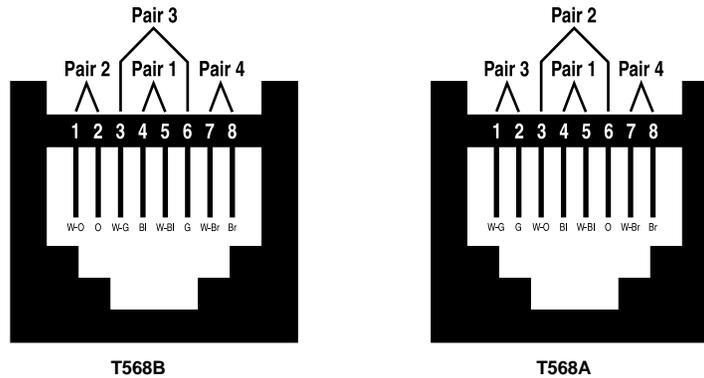


Figure 1. T568B and T568A wiring patterns.

Temperature: Operating: -40 to +150°F (-40 to +66°C)

Size: JPM183A: 4.1"H x 17"W x 3.1"D (10.4 x 43.2 x 7.9 cm);

JPM185A: 8.1"H x 17"W x 3.1"D (20.6 x 43.2 x 7.9 cm)

Weight: JPM183A: 4 lb. (1.8 kg);

JPM185A: 6.8 lb. (3.1 kg)

2. Introduction

2.1 Overview

The Wallmount CAT6 Universal Patch Panels are designed to link ports together in small- to medium-sized cross-connect applications where space is limited. For example, the patch panel is ideal for cluttered telecommunication closets where relay racks aren't practical. Because the panel mounts directly on the wall, no extra rack equipment is needed. See Figures 2 and 3 for illustrations of the available models.

The panel supports all applications operating on bandwidths up to 250 MHz, such as 100BASE-TX and Gigabit Ethernet. The panel exceeds all Category 6 transmission requirements for NEXT, attenuation, and return loss.

2.2 Features

- The panel's simple one-piece design (plus cover) guarantees a clean installation, even in small closets.
- Removable cover protects terminations.
- Total front access to the 110 clips and modular jacks (separate fields for terminating and cross-connecting) cuts installation time and labor costs.
- The patch panel is clearly labeled with jack and block identification numbers.
- Fully enclosed PC board reduces radio-frequency interference.
- Built-in cable management, featuring large hooks and rotating cable tie buttons, keeps your cable neat and organized; it also helps technicians comply with Category 6 installation practices.
- 100% computer tested means the panel ensures reliable Category 6 point-to-point continuity.
- Keyhole mounting slots for easier installation.
- Includes cable ties to help support cable management.

WALLMOUNT CAT6 UNIVERSAL PATCH PANEL (12- OR 24-PORT)

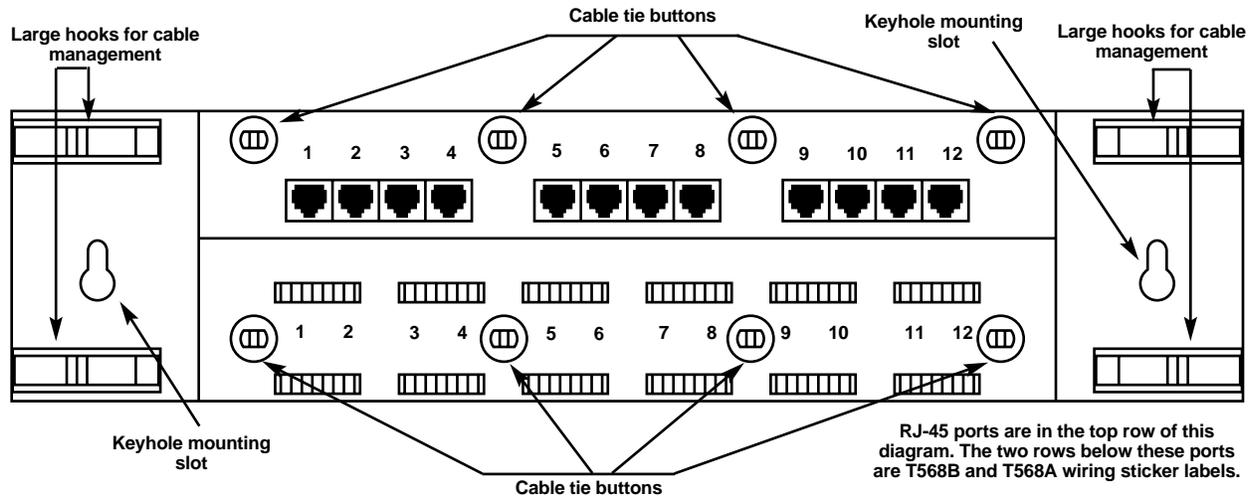


Figure 2. 12-port model.

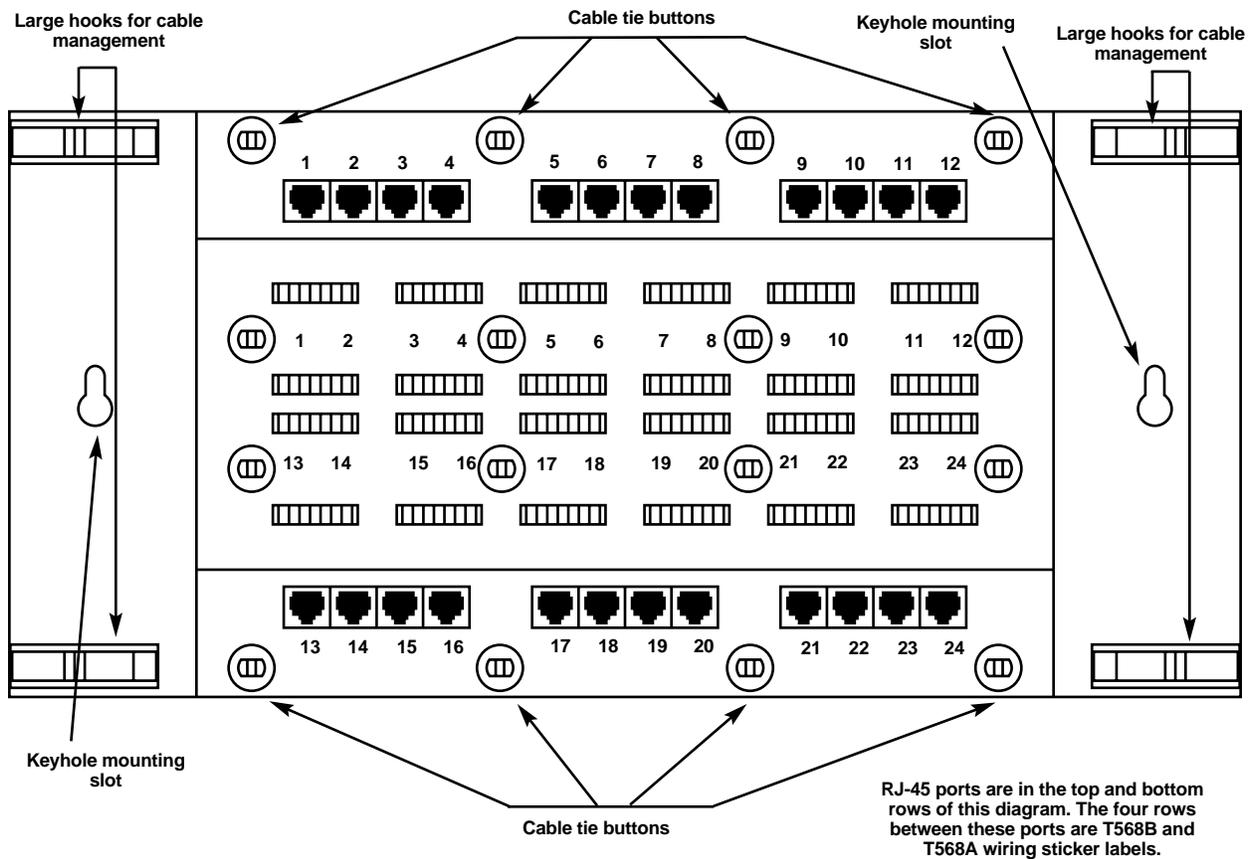


Figure 3. 24-port model.

3. Installation

1. Make sure that the Wallmount CAT6 Universal Patch Panel is firmly secured to the wall.
2. Remove the IDC cover by sliding it to the right and then lifting it from the surface.
3. To prepare the cable, strip about 2 inches (5.1 cm) of cable jacket. Be careful not to damage the twisted wire.
4. Place each wire in the appropriate position based on wiring color and label. See Figures 4 and 5.

NOTE

For best performance, keep the untwisted part of the cable less than 0.5 inches (1.3 cm) long.

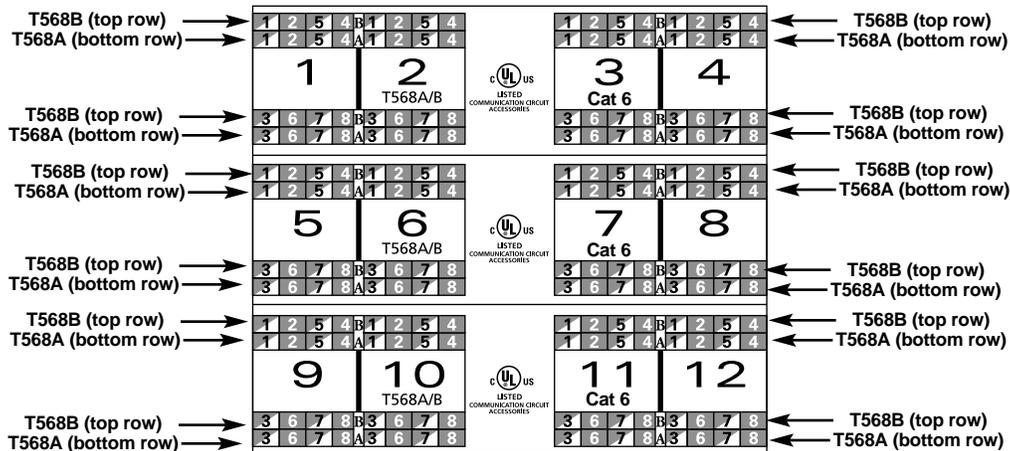


Figure 4. 12-port patch panel's T568B and T568A wiring sticker labels.

WALLMOUNT CAT6 UNIVERSAL PATCH PANEL (12- OR 24-PORT)



Figure 5. 24-port patch panel's T568B and T568A wiring sticker labels.

WALLMOUNT CAT6 UNIVERSAL PATCH PANEL (12- OR 24-PORT)

5. Terminate each wire with a 110 punchdown tool. Then push the 110 tool to the edge of the connector in order to trim the conductors. See Figure 6.

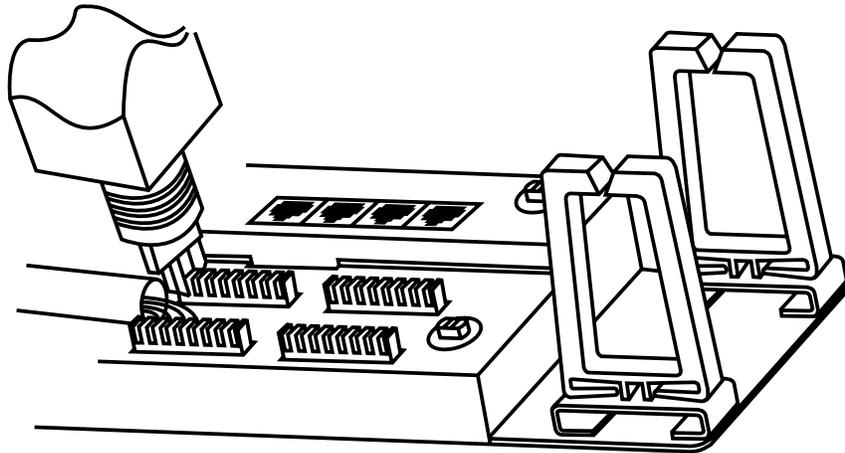


Figure 6. Using the punchdown tool to terminate connectors.

6. When all cables are terminated to the wallmount patch panel, use the large hooks and cable tie buttons for cable management where necessary.
7. Plug the patch cord into the patch panel to connect to the network equipment.



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