

Honeywell Power Products

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HPD4(CB) AND HPD8(CB) PRODUCT INSTALLATION DOCUMENT

PN 52378:A 01/17/2005 ECN 04-353

HPD4(CB) and HPD8(CB): Power Distribution Boards

1 Overview

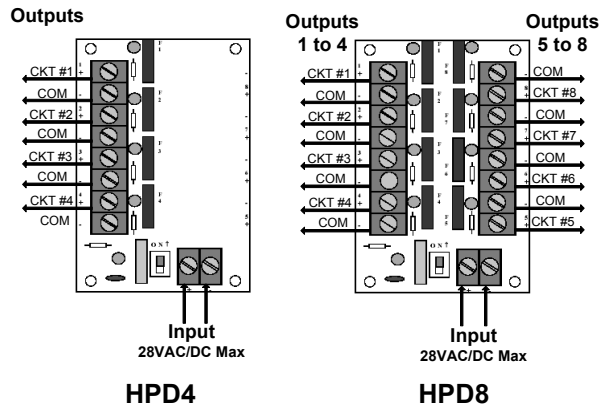
The **HPD4, HPD4CB, HPD8 and HPD8CB** power distribution boards convert one low-voltage supply output to four (4) or eight (8) individually fused or PTC-protected outputs. This convenient power distribution board has a wide range of applications for access control, security and CCTV systems that require individually fused outputs. For convenient operation, this board comes with a power on-off switch, either automotive style fuses or auto-resettable PTCs, (CB Suffix) and connecting hardware.

2 Specifications

- Distributes power rated up to 28VAC/VDC.
- All models have a power disconnect switch.
- HPD4 and HPD8 models use automotive style fuses to individually protect each circuit.
- HPD4CB, HPD8CB models use auto-resettable PTCs rated @2.5 A to individually protect each circuit.
- LED Indicator Lights:
 - Input Power LED (Green) – ON indicates incoming input voltage.
 - Circuit power (Green) – ON indicates output present – circuit fuse ok.
- Fuses (HPD4, HPD8):
 - Output Fuses: (4 or 8), 3 A, 32V Automotive Style (up to 5 A fuses may be used).
 - Main Secondary Fuse: 5 A, 32V Automotive Style (up to 10 A fuse may be used).
 - Optional 10 A fuse included.
- Fuses (HPD4CB, HPD8CB):
 - Auto-resettable PTCs rated 2.5 A per circuit.
 - SPECIAL NOTE: To reset a PTC that has experienced a short circuit, disconnect power for 5 minutes to allow the PTC to reset itself.
- Mounts with included foam-backed adhesive tape or optional HST34 snap track.
- Compact design.
- Temperature range: 32°F to 120°F (0°F to 49°C).
- Board dimensions: 3.0" W x 4.3" L x 1.0" H (7.62 cm x 10.922 cm x 2.54 cm).

3 Installation Instructions

1. Unpack product and discard all packing materials.
2. Mount the power distribution board in the desired enclosure using supplied foam tape or optional Snaptrack HST34. Distribution board can also be mounted using #6 screws and 3/8" non-metallic spacers.
3. Connect external loads to appropriate terminals observing polarity
4. Connect input from power supply to marked terminals observing polarity
5. Route all low voltage wiring at least 3/8" (0.953 cm) from any 120 V mains wiring (indoor installations only).
6. Apply Power. All LEDs (5 or 9 green) should light when SW1 switch is in the ON position.



WiringHPD4-HPD8.wmf



WARNING:

- To reduce risk of electric shock, do not expose unit to rain or excessive moisture, and disconnect power before servicing unit.

For continuous protection against hazard, replace fuses only with exact type and rating.

- A readily accessible switched circuit breaker must be available to disconnect mains power as required.
- All 120 V wiring should be routed so that it cannot touch 24 V wiring; minimum spacing 3/8" (0.953 cm).
- Installation & servicing should only be made by qualified personnel; contains no user-serviceable parts.
- Install in accordance with all local regulations and the National Electrical Code.



NOTE: For additional information

- Visit our website: <http://www.honeywellpower.com>
- Contact Technical Support: (800) 627-3473
- Email us: hpp_techserv@fla-whq.com