

1 Overview

The HPV2404UL and the HPV2404ULCB are CCTV power supply and distribution units. They provide a constant source of 24 VAC with 4.0 A of supply current. Four individual outputs route power to operate CCTV cameras and other video accessories. For overload protection the HPV2404UL uses automotive style fuses and the HPV2404ULCB has auto-resettable PTCs.

2 Features

- Power ON/OFF switch.
- Fused or PTC protected outputs.
- Diagnostic LEDs for quick troubleshooting.
- Unit maintains camera synchronization.
- Vented enclosure with hinged door and five convenient knockouts.
- Designed for quick installation.
- AC line cord and terminal block fuse protection included.

3 Specifications

- UL-Listed to UL-2044 Commercial CCTV Equipment.
- Input 115 VAC, 60 HZ, 1 A.
- 4 A, 24 VAC (100 VA) supply current.
- Four outputs.
Note: Individual output circuits can be loaded to 3.0 A on HPV2404UL or 2.0 A on HPV2404ULCB provided the total current from all output combined is limited to 4.0 A.
- Transformer has built in thermal protection.
- **LED indicator lights:**
 - Input power LED (green) – ON indicates that 24 VAC is present at distribution board.
 - Output power LEDs (4 green) – ON indicates that 24 VAC is present at the related output circuit.
- **Overload protection (HPV2404UL):**
 - Terminal block fuse: 3.0 A, 250 V, 5 x 20 mm cartridge.
 - Main secondary fuse: 5.0 A, 32 V, automotive style.
 - Individual output circuit fuses: 3.0 A, 32 V, automotive style.
- **Overload protection (HPV2404ULCB):**
 - Terminal block fuse: 3.0 A, 250 V, 5 x 20 mm cartridge.
 - Individual output circuit PTC: hold current (2.0 A at 50°C).
NOTE: To reset a PTC that has experienced an overload or short circuit, disconnect power for 5 minutes to allow the PTC to reset itself.
- Maximum temperature range: 32°F to 120°F (0°C to 49°C); indoor use only.
- Cabinet dimensions: 10" H x 11.5" W x 4.875" D (cm: 25.4 H x 29.21 W x 12.38 D).

4 Installation Instructions

1. Unpack product. Do not discard packing materials until installation and checkout are successfully completed.
2. Pre-drill holes where enclosure is to be mounted. Choose a vertical surface strong enough to support the full weight of the assembly (indoor use only).
3. Secure enclosure to the desired location using appropriately sized fasteners that can support the full weight of the assembly.
4. Disconnect power to the branch circuit to which the product will be connected.

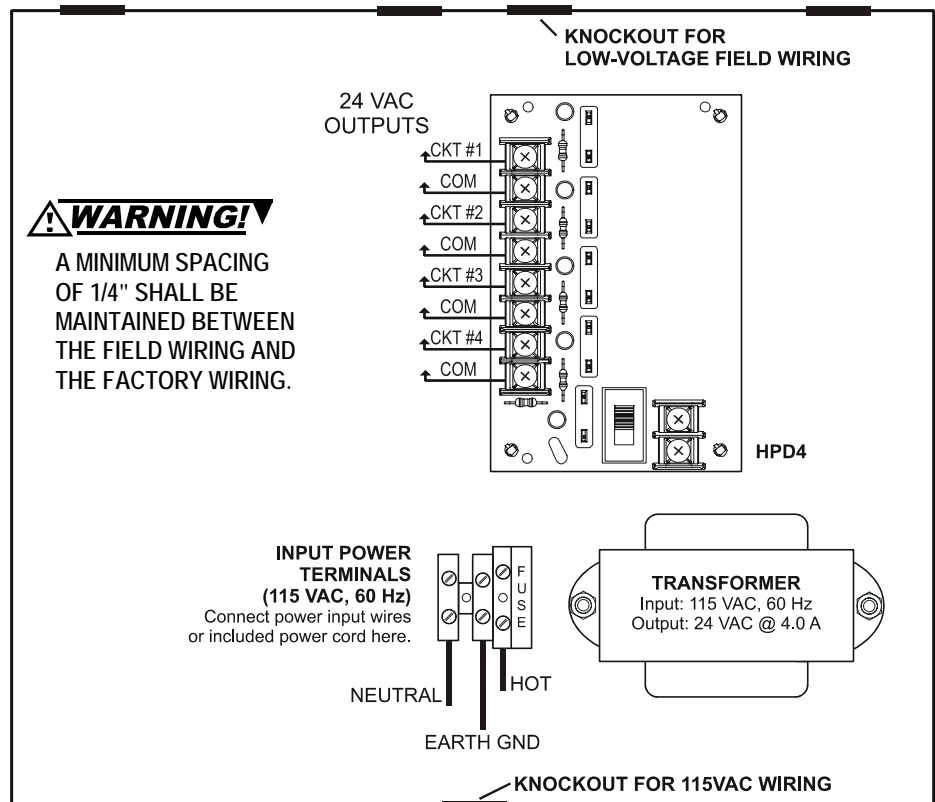
5. Place SW1 switch in the OFF position.
6. Connect incoming AC power (115 V, 60 Hz): Hot (black) to terminal marked “L”; Neutral (White) to terminal marked “N”; Ground to terminal marked “G”.
7. Use the knockout in bottom of cabinet for 115 VAC wiring. Route the 115 VAC wiring at least 3/8" (0.953 cm) from 24 VAC (low voltage) wiring.
8. Keep a 1/4" (0.635 cm) separation between power-limited wiring (output circuits on HPV2404ULCB) and non-power-limited wiring. Use separate knockouts for power-limited wiring.
9. Connect CCTV cameras (or other external loads) to appropriate terminals: Connect circuit #1 to terminals marked “1+” and “-”. Connect circuit #2 to terminals marked “2+” and “-”. Continue to connect the remaining circuits, carefully observing polarity. Terminals marked with “-” are of the same polarity.
10. Power the branch circuit and slide SW1 to the ON position. All five green LEDs should illuminate.
11. To avoid potential damage, verify output voltages and output current.
12. Upon completion of wiring, secure cabinet door with screws supplied, to prevent access by unauthorized personnel.



WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. RISK OF ELECTRICAL SHOCK AND/OR EQUIPMENT DAMAGE, DISCONNECT POWER BEFORE SERVICING THIS 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 MAIN POWER AS REQUIRED.
- ALL 120V WIRING SHOULD BE ROUTED SO THAT IT CANNOT TOUCH LOW-VOLTAGE WIRING. THE MINIMUM SPACING BETWEEN THESE WIRES IS 3/8" (0.953 CM).
- THIS UNIT CONTAINS NO USER-SERVICEABLE PARTS. INSTALLATION AND SERVICING SHOULD ONLY BE MADE BY QUALIFIED PERSONNEL.
- INSTALL IN ACCORDANCE WITH ALL LOCAL REGULATIONS AND THE NATIONAL ELECTRIC CODE.

HPV2404UL (shown),
HPV2404ULCB



For additional information:

- Visit our website at <http://www.honeywellpower.com>
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