

1 Overview

The HPV2408UL, HPV2408ULCB, HPV2408-1UL and HPV2408-1ULCB are UL Listed CCTV power supplies and distribution units. The HPV2408UL and HPV2408ULCB provide a constant source of 24 VAC with 4 A supply current. The HPV2408-1UL and HPV2408-1ULCB provide a constant source of 24 VAC with 8 Amps of supply current. Eight individual outputs route power to operate CCTV cameras and other video accessories. For overload protection the HPV2408UL and HPV2408-1UL use automotive style fuses while the HPV2408ULCB and HPV2408-1ULCB have auto-resettable PTCs.

2 Features

- Power ON/OFF switch.
- Fused or PTC protected outputs.
- Surge and transient protection.
- Diagnostic LED's for quick troubleshooting.
- Unit maintains camera synchronization.
- Transformer has built-in thermal protection.
- Vented enclosure with hinged door and five convenient knockouts.
- Designed for quick installation.
- AC line cord and Terminal Block Fuse Protection included.
- UL Listed to UL and cUL standards.
- CB versions have C12 Power Limited outputs.

3 Specifications

- LED Indicator Lights
 - Input Power LED (Green) - ON indicates that 24 VAC is present at distribution board.
 - Output Power LEDs (8 Green) - ON indicates that 24 VAC is present at the related output circuit.
- Overload Protection
 - Terminal Block Fuse: 250 V, 5 x 20MM cartridge.
 - Main Secondary Fuse: 32 V, automotive style.
 - Individual Output Circuits have automotive style fuse or resettable PTCs.

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°F to 49°C); indoor use only.
- Cabinet Dimensions: 11.5" W x 4.875" D x 10" H (29.21 cm W x 12.38 cm D x 25.4 cm H).

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, located in an area without excessive moisture. This unit is for indoor installation 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 on HPV2408UL and HPV2408ULCB. Use the right side knockout for 115 VAC wiring on HPV2408-1UL and HPV2408-1ULCB. Route the 115 VAC wiring at least 3/8" (0.953cm) from 24 VAC (low voltage) wiring.
8. Keep a 1/4" (0.635 cm) separation between power limited wiring (output circuits on HPV2408CB and HPV2408-1ULCB) 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 nine green LEDs should illuminate.
11. To avoid potential damage, measure output voltages to verify output limits are not exceeded
12. Upon completion of wiring, secure cabinet door with screws supplied, to prevent access by unauthorized personnel.



WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT EXPOSE APPLIANCE TO RAIN OR MOISTURE. RISK OF ELECTRICAL SHOCK AND/OR EQUIPMENT DAMAGE, DISCONNECT POWER BEFORE SERVICING THIS APPLIANCE.

- 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).
- 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.

Table 1: Output Ratings

	Any Output	Total
HPV2408UL	3 A	4 A
HPV2408ULCB	2 A	4 A
HPV2408-1UL	5 A	8 A
HPV2408-1ULCB	2 A	8 A

Table 2: Fuse Ratings

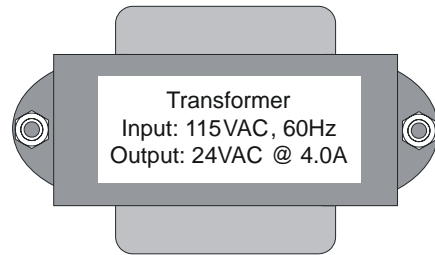
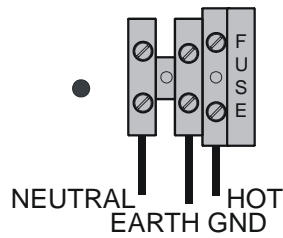
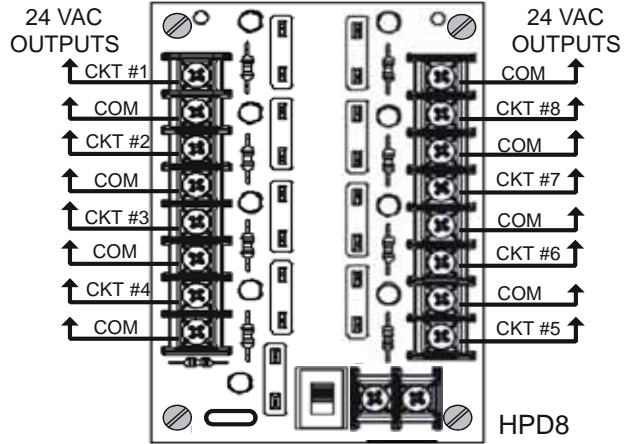
	Terminal Block Fuse	Secondary Fuse	Individual Outputs
HPV2408UL	3 A	5 A	3 A Fuse
HPV2408ULCB	3 A	N/A	PTC*
HPV2408-1UL	5 A	10 A	3 A Fuse
HPV2408-1ULCB	3 A	N/A	PTC*

* PTC hold current rating: 2.0 A at 50°C

KNOCKOUTS FOR LOW VOLTAGE FIELD WIRING

⚠ WARNING! ▽

A MINIMUM SPACING OF ¼" SHALL BE MAINTAINED BETWEEN THE FIELD WIRING AND THE FACTORY WIRING



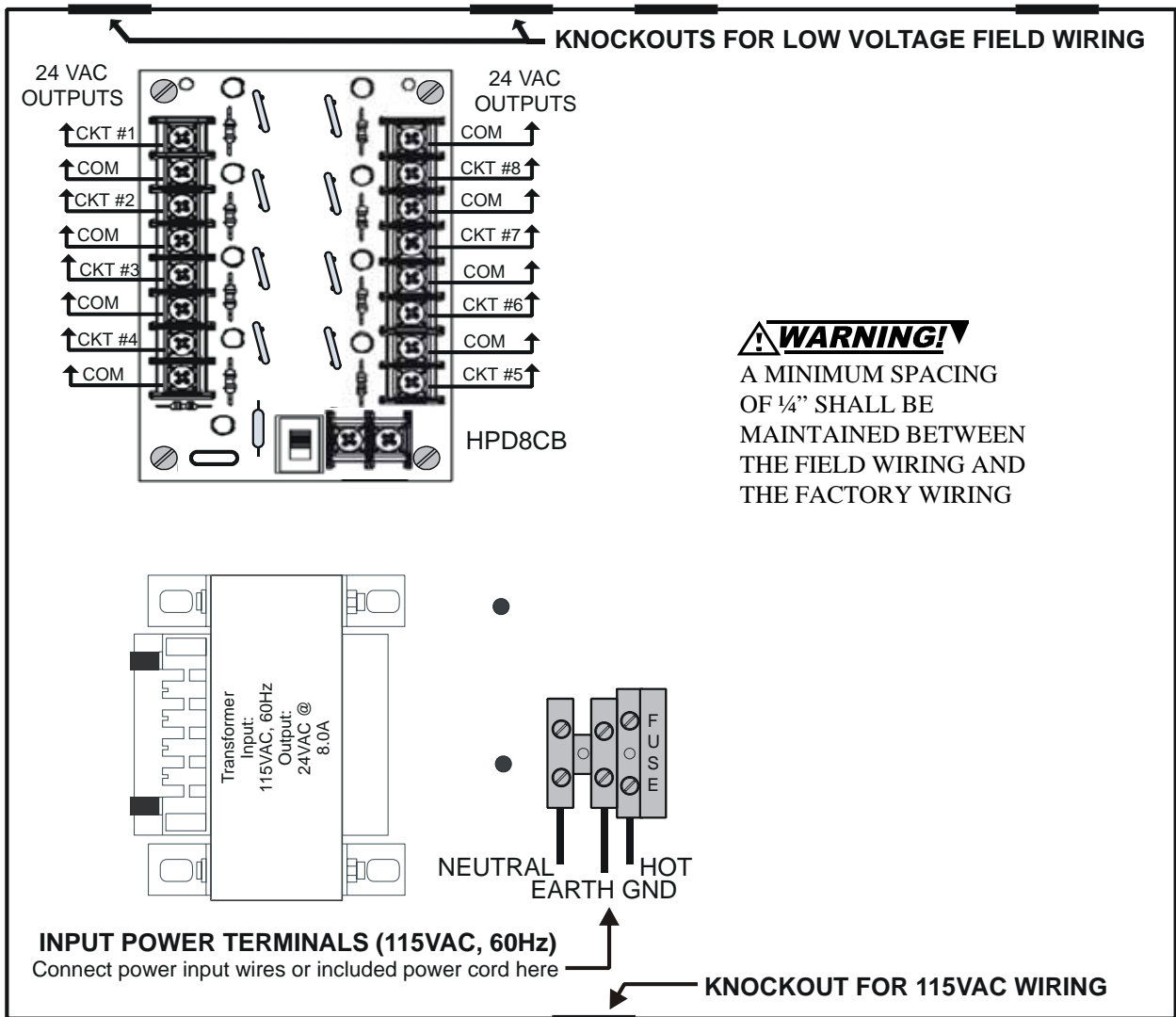
INPUT POWER TERMINALS (115VAC, 60Hz)

Connect power input wires or included power cord here

KNOCKOUT FOR 115VAC WIRING

HPV2408UL (shown) and HPV2408CBUL

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HPV2408-1UL and HPV2408-1CBUL (shown)

53442b02.wmf

For additional information:

- Visit our website at <http://www.honeywellpower.com>
- Contact Technical Support at (877) HPP-POWR
- E-mail us at hpp_techserv@honeywell.com