

Honeywell  
12 Clintonville Road  
Northford, CT 06472  
<http://www.honeywellpower.com>

HPTV2401WPS • HPTV2401WPZ  
HPTV2801WPS • HPTV2801WPZ  
PRODUCT INSTALLATION DOCUMENT  
PN 52616:A 08/11/2005 ECN 05-273

## HPTV2401WP and HPTV2801WP Series:

### Weatherproof 24/28 VAC Power Supplies with Surge Protection

## 1 Overview

The HPTV2401WPS, HPTV2401WPZ, HPTV2801WPS, and HPTV2801WPZ are power supplies which provide power and surge protection for applications such as access control, security, and video that require outdoor installation. These units consist of a thermally-fused transformer and an electrically-fused primary input in a NEMA 4X IP66 weatherproof enclosure with included mounting hardware.

- The **HPTV2401WPS** and **HPTV2801WPS** includes an HCPS1 Surge Module which provides power and video surge protection.
- The **HPTV2401WPZ** and **HPTV2801WPZ** include an HDPS1 Surge Module which provides power, video, and data surge protection.

The 28 VAC models are used for long cable runs from power supply to camera where voltage sag may be encountered. Verify that voltage at camera input is within the camera specification. Although labeled for 24 VAC, the surge suppression unit voltage range accommodates 28 VAC. For camera surge protector specifications, refer to the enclosed Installation Guide.

## 2 Specifications

- Input: 115VAC, 60 Hz, 2A
- Output:
  - HPTV2401WPS/HPTV2401WPZ: 24 VAC, 60 Hz, 8A
  - HPTV2801WPS/HPTV2801WPZ: 28 VAC, 60 Hz, 6.25A
- Transformer with built-in thermal protection
- Terminal block fuse: 250V, 3A, 5 x 20mm cartridge
- Mounting hardware included
- Cabinet dimensions: 11.5" W x 7.25" D x 14" H (29.21cm W x 18.42cm D x 35.36cm H)

## 3 Installation Instructions

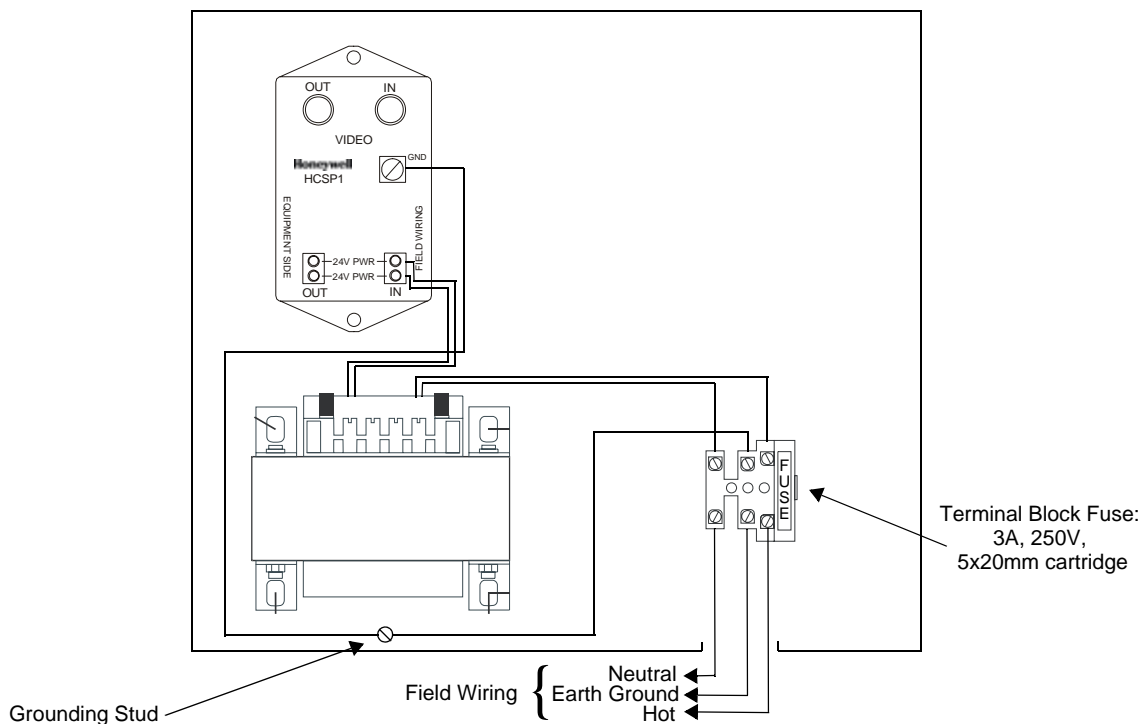
1. Unpack product. Do not discard packing materials until installation and checkout are successfully completed.
2. Pre-drill holes where enclosure is to be mounted. Choose a vertical surface, strong enough to support the full weight of the assembly. This unit is for outdoor installation only. Note the added dimensions of the required mounting brackets.
3. Use a knockout punch, standard hole saw, or other means to punch holes for incoming AC power and low voltage wiring. Non-power-limited wiring must be wired using weatherproof conduit or suitable outdoor wiring.
4. Secure enclosure to the desired location, using supplied hardware.
5. Disconnect power to the branch circuit where the product will be connected.
6. Connect incoming AC power (115V, 60 Hz, 2A) to the fused terminal block as show in Figure 1 and Figure 2.
  - Hot (black) to terminal marked "L".
  - Neutral (white) to terminal marked "N".

- Ground to terminal marked “G”.
- 7. Keep a 1/4” (0.635 cm) separation between power-limited and non-power-limited wiring. Use separate knockouts for power-limited wiring.
- 8. Wire the HCPS1 or HDPS1 Surge Protector according to the enclosed Surge Protector Installation Guide. Verify power output is appropriate for loads to be connected.
- 9. Secure cabinet door with means to prevent unauthorized access.
- 10. Connect power to the branch circuit.

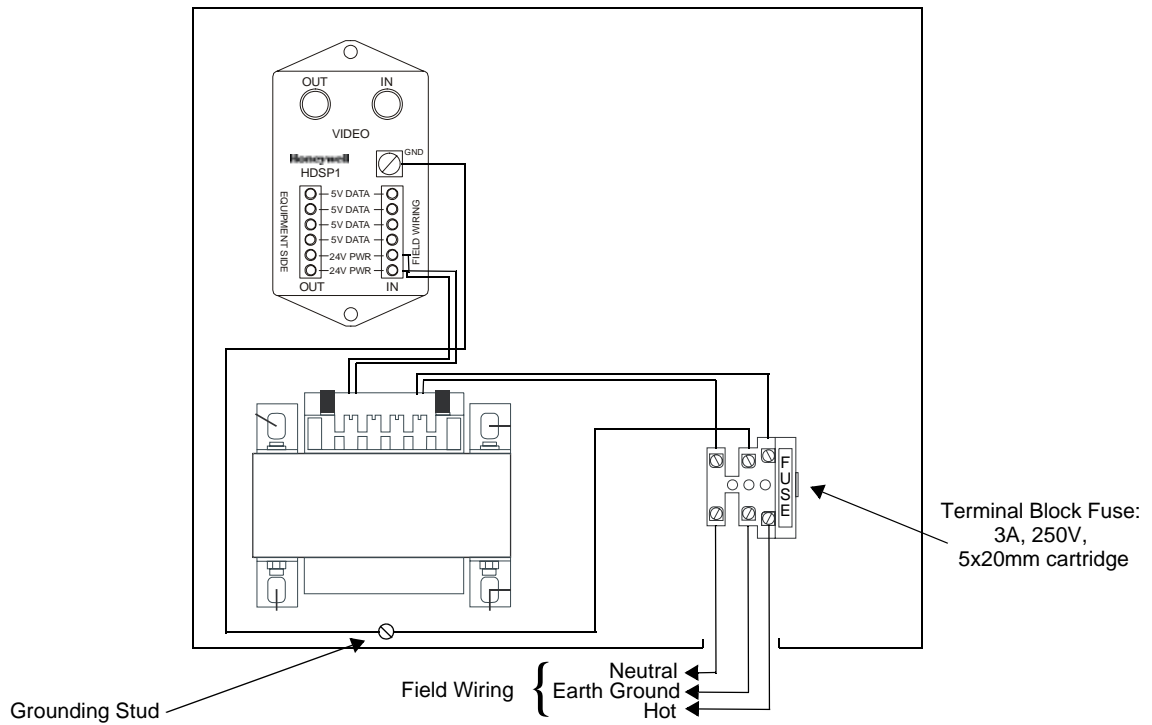
**WARNING: Risk of electrical shock and/or equipment damage!**

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 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 Electrical Code.



**Figure 1 HPTV2401WPS • HPTV2801WPS**



**Figure 2 HPTV2401WPZ • HPTV2801WPZ**



NOTE: For additional information

- Visit our website: <http://www.honeywellpower.com>
- Contact Technical Support: (877) HPP-POWR
- E-mail us: [hpp.techserv@honeywell.com](mailto:hpp.techserv@honeywell.com)