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HPTV3DC4 • HPTV5DC8 • HPTV5DC16
PRODUCT INSTALLATION DOCUMENT
PN 52461:A 03/31/2005 ECN 04-702

1 Overview

These switching power supplies/distribution units convert 115 VAC input into 6 VDC, 12 VDC, or 24VDC @ 2.5 A or 4.0 A of continuous supply current and distribute it using individually fused outputs. These general-purpose power supplies have a wide range of applications for access control, security and CCTV systems that require additional power. For convenient installation, they come completely assembled with a steel enclosure, transformer, and connecting hardware.

The HPTV3DC4 supplies 2.5 amperes while the larger HPTV5DC8 and HPTV5DC16 will supply 4.0 amperes at 6 or 12 VDC (2.5 amperes at 24 VDC). The HPTV3DC4 has a four-output, individually-fused power distribution board, the HPTV5DC8 has an eight-output distribution board, and the HPTV5DC16 has two eight-output distribution boards.

2 Specifications

- Output voltage: Switch selectable 6 VDC/12 VDC/24 VDC.
- Maximum continuous output current:
 - HPTV3DC4: 2.5 A at 6 VDC, 12VDC, or 24 VDC
 - HPTV5DC8 and HPTV5DC16: 4.0 A at 6 VDC, 12VDC, and 2.5 A at 24 VDC
- Input: 1.0 A at 115 VAC 60Hz max
- Filtered and electronically regulated output
- Thermally limited design.
- LED diagnostic indicators for AC input (green), main DC output (red), and individual DC outputs (green).
- Standard automotive fuses and power disconnect switch.
- Hinged cover and vented enclosure with five convenient knockouts.
- Temperature range: 32°F to 120°F (0°C to 49°C); indoor use only.
- Enclosure dimensions: 10" H x 11.5" W x 4.875" D (25.4 cm. H x 29.21 cm. W x 12.38 cm. D).

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. Select a mounting location in an area without excessive amounts of moisture. Indoor installation only.
3. Secure enclosure to the desired location, using appropriately sized fasteners that can support the full weight of the assembly.
4. Configure power supply using dip switches to select output voltage desired. (Refer to Section 4.)
5. Ensure that the ON/OFF switch on the HPD4 or HPD8 module(s) is in the OFF position.
6. Disconnect power to branch circuit. Route wires to enclosure as needed.
Route all power-limited wiring at least ¼" (6.1 mm) from any non-power limited wiring.
7. Connect 115VAC input, as shown. Use included power cord and strain relief connector (p/n 43393 and 43394) or UL-approved power input wires.
8. Connect external loads to appropriate DC output terminals observing polarity.
9. Energize branch circuit and turn HPD4 or HPD8 ON/OFF switch(es) ON. All LEDs on the power supply and distribution unit(s) should illuminate. (Refer to Section 5.)
10. Secure the cabinet door with screws provided.

WARNING: Risk of Injury 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.

- A readily accessible switched circuit breaker must be available to disconnect main power as required.
 - All power-limited wiring should be routed so that it cannot touch non-power-limited wiring; minimum spacing 1/4" (6.35 mm).
 - No user-serviceable parts inside. Installation & servicing should only be made by qualified personnel.
 - Install in accordance with all local regulations and the National Electrical Code.
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4 Voltage Output Selection Table

Output	SW1.1	SW1.2
24V, 2.5A	Off	On
12V, 4.0A	Off	Off
6V, 4.0A	On	Off

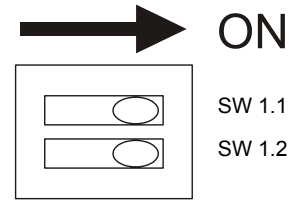


Figure 1 Output Selection Switch SW1 (HPS3/HPS5)

5 LED Diagnostics

HPS3/HPS5 AC Power (Green LED)	HPS3/HPS5 DC Power (Red LED)	HPD4/HPD8 Output Power (Green LEDs)	Status
ON	ON	ON (all)	Normal operation.
OFF	OFF	OFF (all)	Loss of AC.
ON	OFF	OFF (all)	No DC output. Overload present.
ON	ON	1 or more OFF	Blown fuse(s).

6 Fuse Replacement Information

Fuse	Rating
Terminal Block	2A, 250V, 5mm x 20mm cartridge
HPD Boards Main (F9)	5A, 32V, Std. Automotive (Tan)
HPD-4 Outputs (F1 to F4)	3A, 32V, Std. Automotive (Violet)
HPD-8 Outputs (F1 to F8)	3A, 32V, Std. Automotive (Violet)

CAUTION: Risk of Equipment Damage.

To reduce risk of fire, replace only with fuses of the same type and rating.

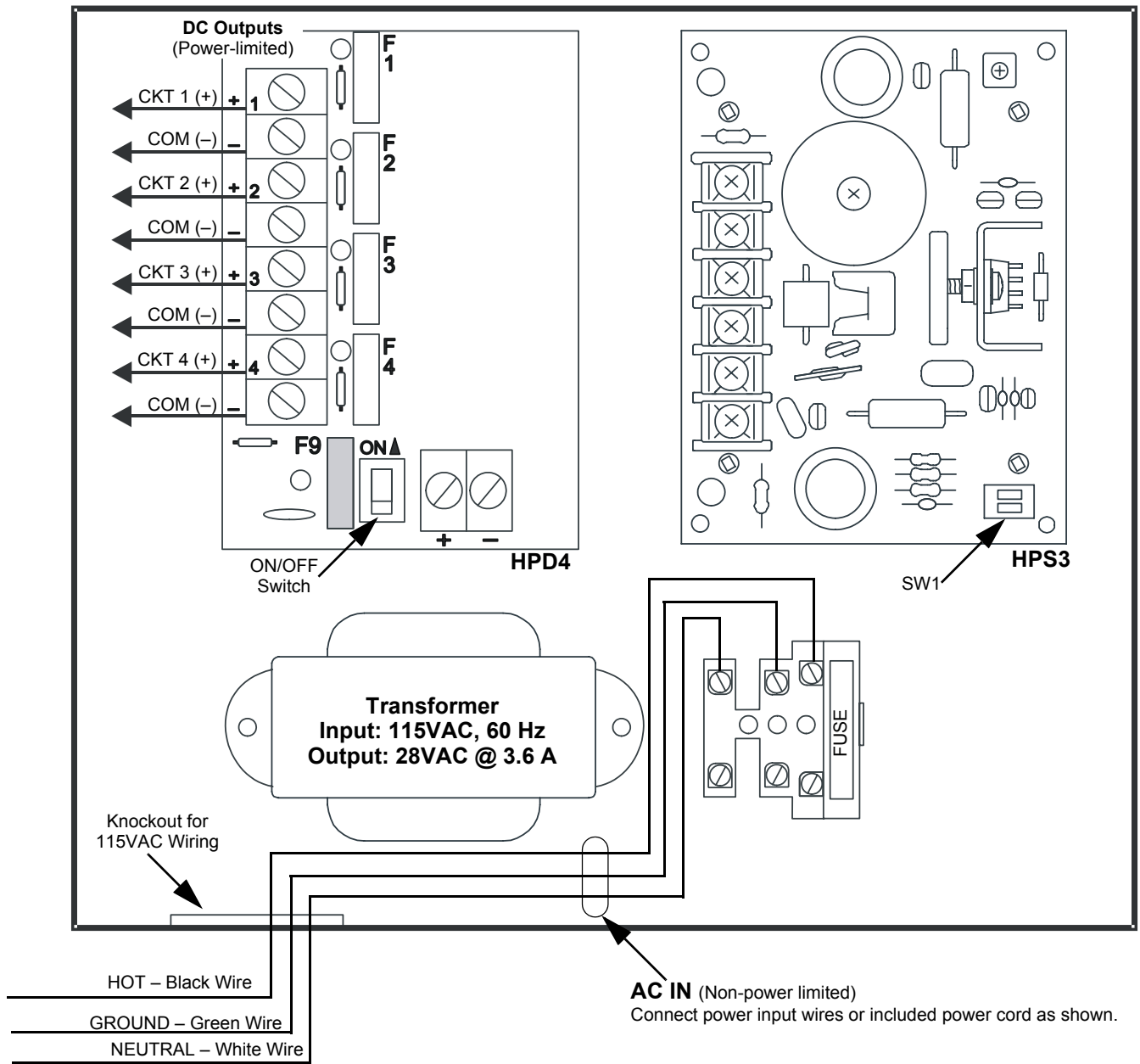
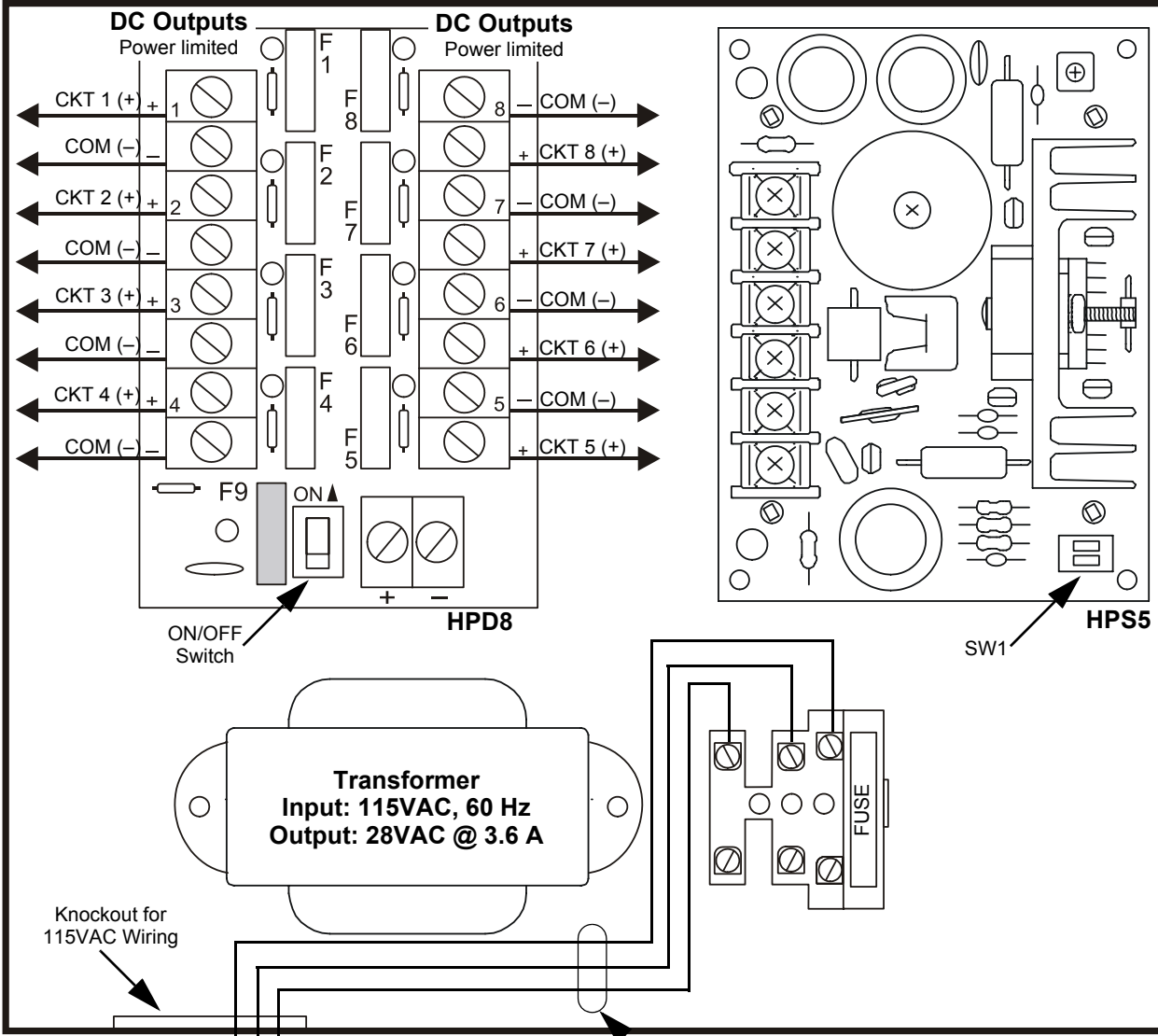


Figure 1 HPTV3DC4



HOT – Black Wire
 GROUND – Green Wire
 NEUTRAL – White Wire

AC IN (Non-power limited)
 Connect power input wires or included power cord as shown.

Figure 2 HPTV5DC8

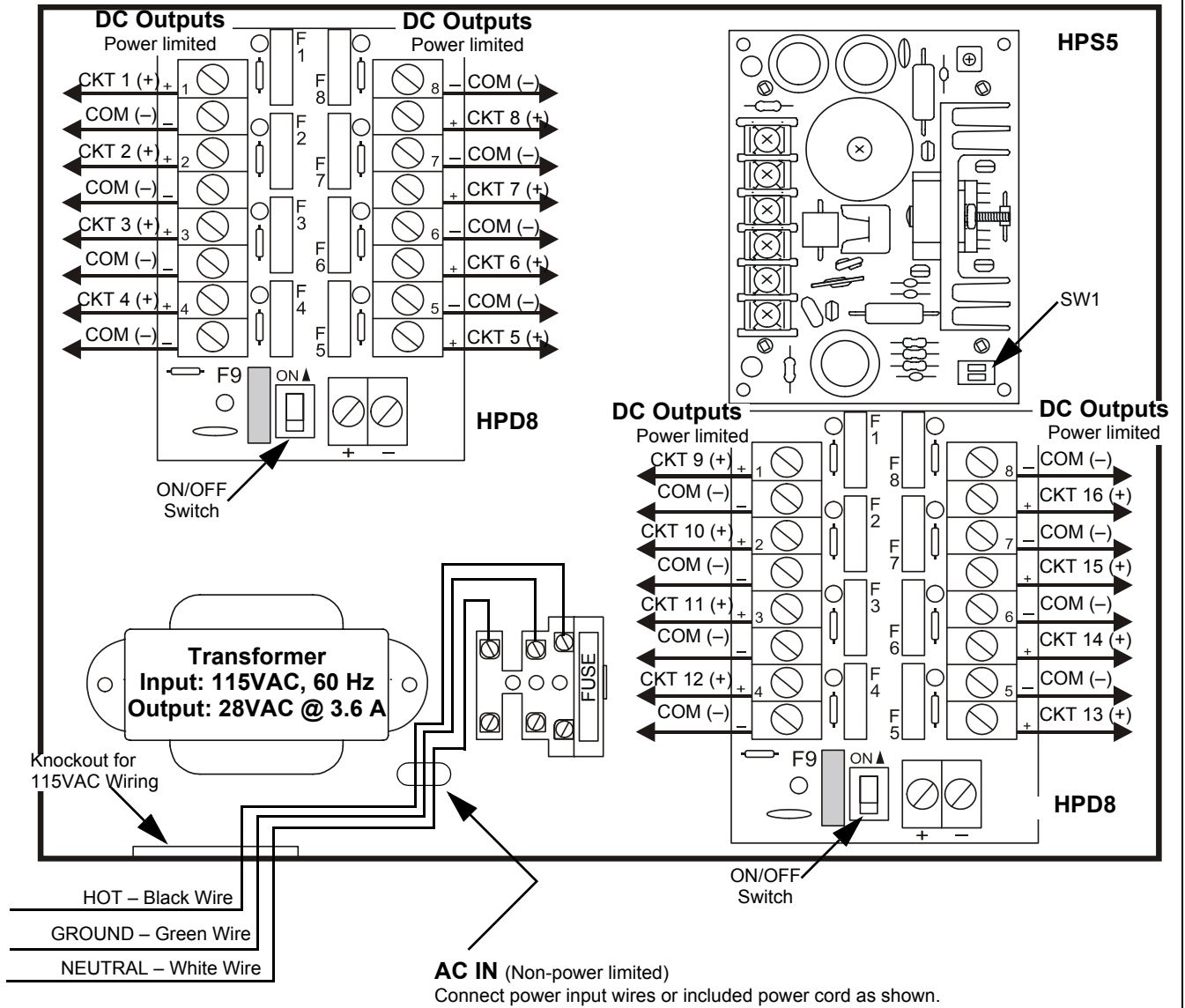


Figure 3 HPTV5DC16



NOTE: For additional information

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