

1 Overview

These Honeywell Rack Mount CCTV power supplies will provide 12 VDC power distributed via 16 circuits for powering CCTV cameras and other video equipment. Each circuit will be fuse protected at 3.0A, or PTC protected at 2.5A. Fuses are accessible directly through the front panel by removing six screws.

2 Specifications

- Input:
 - HPR12DC416UL & HPR13DC416CBUL - 117V, 60Hz, 1A.
 - HPR12DC616UL & HPR12DC616CBUL - 117V, 60Hz, 2A.
 - HPR12DC616CE & HPR12DC616CBCE - 230V, 50/60Hz, 1A.
- Output:
 - HPR12DC416UL & HPR12DC416CBUL - 4A @ 12VDC.
 - HPR12DC616UL & HPR12DC616CBUL - 6A @ 12VDC.
 - HPR12DC616CE & HPR12DC616CBCE - 6A @ 12VDC.
- 16 outputs.
- Maximum current rating:
 - HPR12DC416UL: any output, 3A; total supply, 4A @ 12VDC.
 - HPR12DC416CBUL: any output, 2.5A; total supply, 4A @ 12VDC.
 - HPR12DC616UL: any output, 3A; total supply, 6A @ 12VDC (8A for operations below 100°F, 38°C)*.
 - HPR12DC616CBUL: any output, 2.5A; total supply, 6A @ 12VDC (8A for operations below 100°F, 38°C)*.
 - HPR12DC616CE: any output, 3A; total supply, 6A @ 12VDC (8A for operations below 100°F, 38°C)*.
 - HPR12DC616CBCE: any output, 2.5A; total supply, 6A @ 12VDC (8A for operations below 100°F, 38°C)*.

* Outputs 1 to 8 provide 3A @ 12VDC (4A operation below 100°F, 38°C) and outputs 9 to 16 provide 3A @ 12VDC (4A operation below 100°F, 38°C).
- 16 power limited outputs.
- Surge and transient protection.
- Transformer has built-in thermal protection.
- Indicator Lights:
 - Input Power Indicator (1 red): Illuminated power switch/circuit breaker.
 - Output Power LEDs (16 green): ON indicates that DC is present at the related output circuit.
- Overload Protection:
 - Input power switch has built-in circuit breaker.
 - AC line fuse (5 x 20mm glass).
 - Individual output circuits have a glass fuse (5 x 20mm) or resettable PTCs.
 - *NOTE: To reset a PTC that has experienced an overload or short circuit, switch power off for 5 minutes to allow the PTC to reset itself.*
- Factory installed three-conductor AC line cord with North American NEMA 5-15 plug (117V supplies) or European Schuko Type, CEE 7/7 plug (230V supplies).
- 2U rack chassis for use in standard EIA 19" rack.

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- Removable rear terminal blocks.
- Line power rocker switch with built-in circuit breaker indicates power on with red neon lamp.
- Designed for quick installation.
- Maximum Temperature Range: 32°F to 120°F (0°C to 49°C); for indoor use only.



WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

For continuous protection against hazard, replace fuses only with exact type and rating. All 117V/230V wiring should be routed so that it cannot touch 12V wiring; minimum spacing 3/8" (0.953cm). This installation should be made by a qualified service person and should confirm to all local codes. Install in accordance with the National Electrical Code.

3 Installation Instructions

1. Unpack product. Do not discard packing materials until installation and checkout are successfully completed. Unit is heavy, handle with care.
2. Mount unit in 19" rack only. Do not obstruct side air vents.
3. Verify that power switch on back of unit is in the OFF position (See Figure 2 - Rear View of Power Supply).
4. Plug power cord into grounded 117V, 60Hz (230V, 50/60Hz for HPR12DC616CE & HPR12DC616CBCE) receptacle.
5. Set power switch on back of unit to ON (RESET) position and verify output voltage. Set power switch on back of unit to OFF.
6. Connect CCTV cameras (or other external loads) to appropriate terminals. Connect circuit #1 to terminals marked "1P" and "N". Connect circuit #2 to terminals marked "2P" and "N". Continue to connect the remaining circuits carefully observing polarity. Terminals marked with "P" are positive.
7. Upon completion of wiring, set the power switch on back of the unit to the ON (RESER) position. The red power indicator on the power switch should illuminate.
8. All 16 green LEDs on faceplate should illuminate. If an output has a blown fuse or tripped PTC the corresponding LED will not illuminate.
9. Upon completion of wiring, secure terminal blocks by tightening screws on flanges..

4 Troubleshooting

1. If the red power indicator on the power switch is not illuminated:
 - Verify that power is present at receptacle.
 - Verify that the unit is plugged into the power receptacle.
 - Verify that the power switch is in the ON (RESET) position.
 - Try resetting the circuit breaker in the power switch by setting to OFF position then back to ON (RESET) position.
2. If the green LEDs on the faceplate are not illuminated for outputs 1 to 8 and/or 9 to 16 while power switch is illuminated:
 - Set power switch on back of unit to the OFF position.
 - Unplug power cord from receptacle.
 - Remove field wiring to affected circuit(s) and check for shorts and overloads.
 - Place field wiring after resolving any shorts and/or overload conditions.
 - Allow the power supply to cool for five minutes.
 - Plug power cord into receptacle.
 - Set power switch on back of unit to the ON (RESET) position.

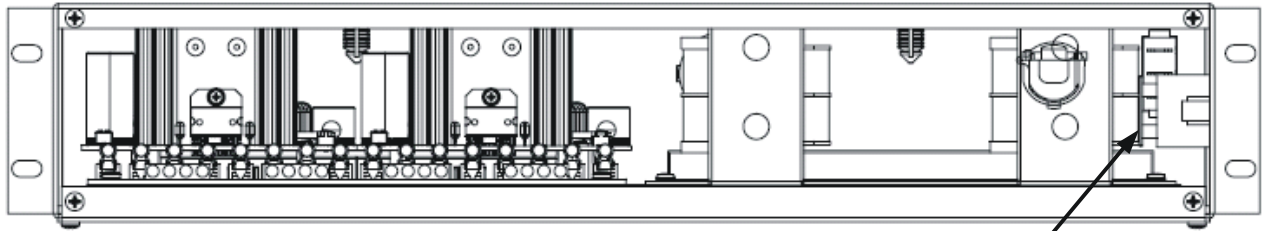
If the green LEDs do not illuminate after the power switch is set to ON:

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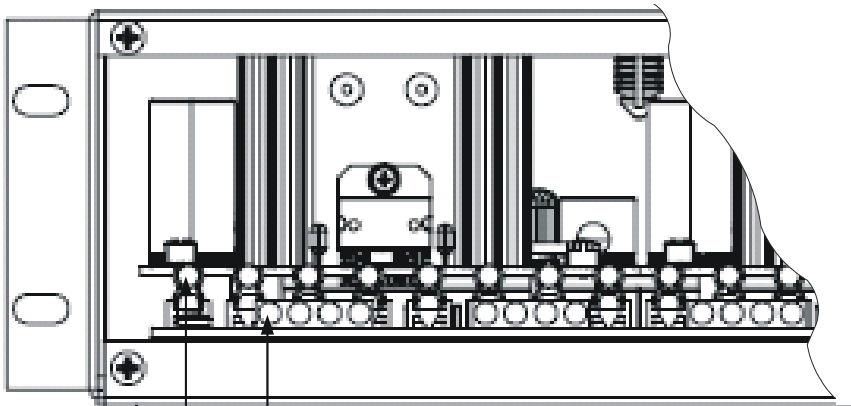
- Set power switch on back of the unit to its OFF position and unplug power cord from receptacle.
 - Replace blown fuse on HPR12DC416UL, HPR12DC616UL or HPR12DC416CE as follows:
 - Remove the six screws holding the front panel and remove the front panel.
 - It is not necessary to remove unit from rack.
 - Do not attempt to remove cover.
 - Replace blown line fuse (right side wall of supply).
 - Replace and secure front panel.
 - Plug power cord into receptacle.
 - Set power switch on back of unit to its ON (RESET) position.
3. If any of the 16 green LEDs do not illuminate after power switch is set to ON:
- Set power switch on back of unit to the OFF position and unplug power cord from receptacle.
 - Remove field wiring to affected circuits and check for shorts and overloads.
 - Replace field wiring after resolving any shorts and/or overloads.
 - Replace blown fuse on HPR12DC616UL, HPR12DC416UL & HPR12DC616CE as follows:
 - Remove the six screws holding front panel and remove front panel.
 - It is not necessary to remove unit from rack.
 - Do not attempt to remove cover.
 - Replace blown fuse(s) on affected circuit(s).
 - Replace and secure front panel.
 - Plug power cord into receptacle.
 - Set power switch on back of unit to its ON (RESET) position.
 - The PTCs on the HPR12DC416CBUL, HPR12DC616CBUL & HPR12DC616CBCE will reset automatically while power is off.
 - Plug power cord into receptacle.
 - Set power switch on back of unit to the ON (RESET) position.

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Figure 1 - Power Supply with Front Panel Removed



AC Line Fuse

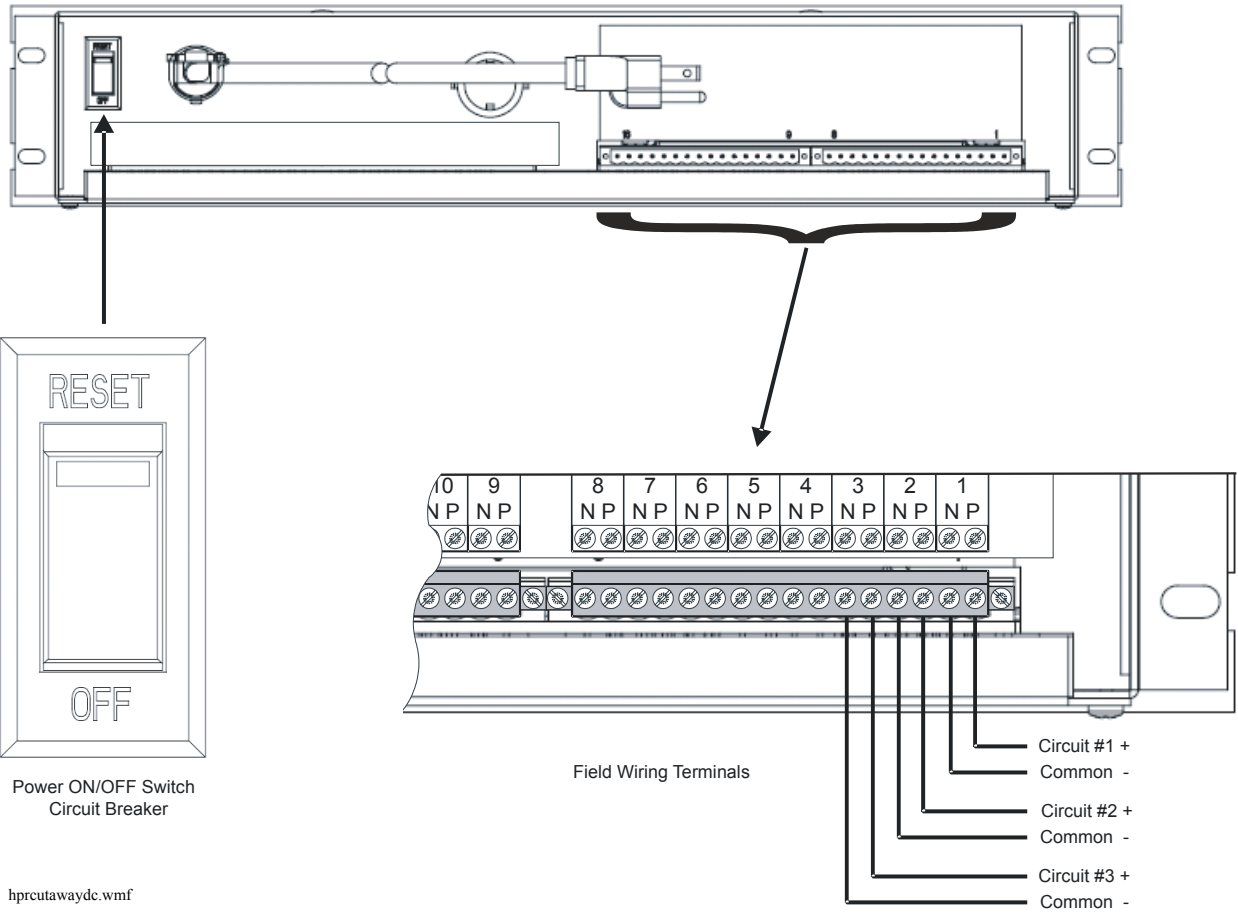


Output Power Indicator for Circuit #1
Fuse for Circuit #1

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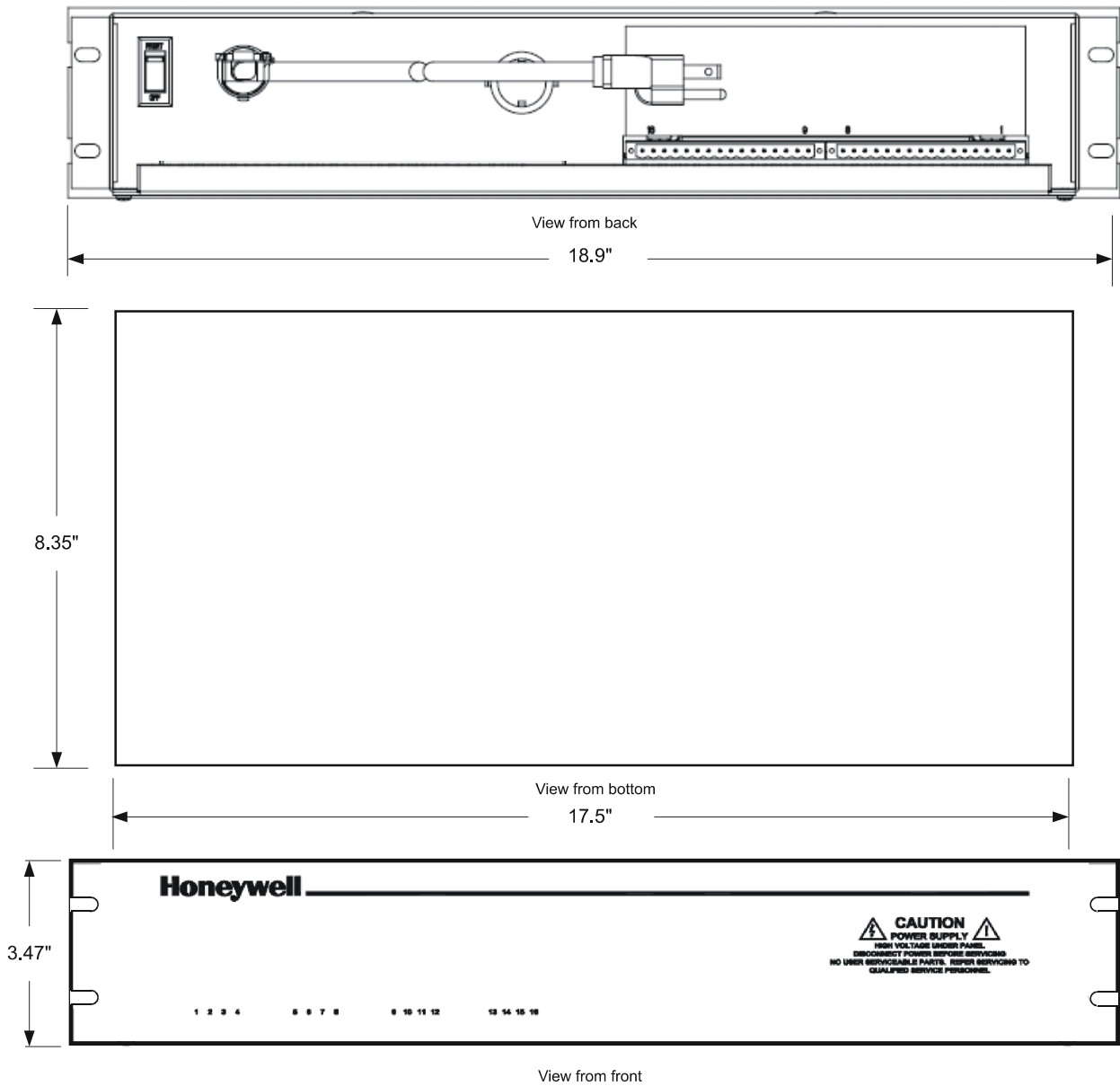
Figure 2 - Rear View of Power Supply



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Figure 3 - Dimensions



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For additional information:

- Visit our website at <http://www.honeywellpower.com>
- Contact Technical Support at 1(877) HPP-POWR
- E-mail us at hpp_techserv@honeywell.com