

# ALTV615DCUL Series

CCTV Power Supplies

## Models Include:

### ALTV615DC416UL

- 6-15VDC @ 4A
- Sixteen (16) fuse protected outputs

### ALTV615DC616UL

- 6-15VDC @ 6A
- Sixteen (16) fuse protected outputs

### ALTV615DC416ULCB

- 6-15VDC @ 4A
- Sixteen (16) PTC protected outputs

### ALTV615DC616ULCB

- 6-15VDC @ 6A
- Sixteen (16) PTC protected outputs

For models with the factory installed 3-wire line cord  
add suffix "3", e.g. ALTV615DC616UL3

## Installation Guide



Rev. 050404



More than just power.™

Installing Company: \_\_\_\_\_ Service Rep. Name: \_\_\_\_\_

Address: \_\_\_\_\_ Phone #: \_\_\_\_\_

## Overview:

ALTV615DCUL Series DC CCTV Power Supplies provide 6 - 15VDC distributed via fuse or PTC protected outputs for powering CCTV cameras, heaters, and other video accessories.

## ALTV615DCUL Series Reference Chart:

Altronix Model Number	115VAC 50/60Hz Input Current	Output Voltage	Total Output Current (Power)	Number of Outputs	Output Current (max per output)	Fuse Protected Outputs	PTC Protected Outputs (auto-resettable)	Class 2 Rated Power-Limited
ALTV615DC416UL	0.9A	6 - 15VDC	4A	16	3.5A	✓	–	✓
ALTV615DC416ULCB	0.9A	6 - 15VDC	4A	16	2.5A	–	✓	✓
ALTV615DC616UL	1.5A	6 - 15VDC	6A	16	3.5A	✓	–	–
ALTV615DC616ULCB	1.5A	6 - 15VDC	6A	16	2.5A	–	✓	✓

## Specifications:

### Agency Listings:

- UL Listed for Commercial CCTV Equipment (UL 2044).
- CUL Listed - CSA Standard C22.2 No.1-98, Audio, Video and Similar Equipment.

### Input:

- Input 115VAC, 50/60Hz.

### Output:

- Sixteen (16) individual outputs.
- 6VDC to 15VDC field adjustable.
- Outputs are rated @ 3.5A (fused) or 2.5A (PTC).
- Filtered and electronically regulated outputs.

### Features:

- AC input and DC output LED indicators.
- Power ON/OFF switch.
- Unit maintains camera synchronization.
- Ease of installation saves time and eliminates costly labor.

### Enclosure Dimensions (H x W x D approx.):

13.5" x 13" x 3.25"  
(342.9mm x 330.2mm x 82.6mm).

**CAUTION: This installation should be made by qualified service personnel and should conform to the National Electrical Code and all local codes.**

## Installation Instructions:

1. Mount unit in the desired location.
2. Connect AC power to the two black and two white flying leads of the transformer (*Fig. 1, pg. 3*).  
**Units with line cord installed skip Step 2.**  
Use 18 AWG or larger for all power connections. Connect green ground lead to earth ground (*Fig. 1, pg. 3*).  
**Keep power-limited wiring separate from non power-limited wiring.**  
**Minimum 0.25" spacing must be provided. Use separate knockouts.**
3. Adjust output voltage (unit is factory set at 12VDC): use the trimpot on the power supply board prior to connecting CCTV devices (*Fig. 1a, pg. 3*).
4. Measure output voltage before connecting devices. This helps avoiding potential damage.  
**CAUTION:** Determine the maximum operating voltage of the equipment being powered before adjusting the output voltage.
5. Connect devices to the terminals marked [1P - 1N] through [16P - 16N] on PD16W/PD16WCB board, carefully observing correct polarity (*Fig. 1, pg. 3*).  
Terminals marked [1P - 16P] are positive (+) and terminals marked [1N - 16N] are negative (-).
6. Green LED will illuminate when unit is powered.
7. Upon completion of wiring secure enclosure door with screws (supplied).

**WARNING: To reduce the risk of fire or electric shock, do not expose the unit to rain or moisture.**

# Terminal Identification:

## Power Supply Board

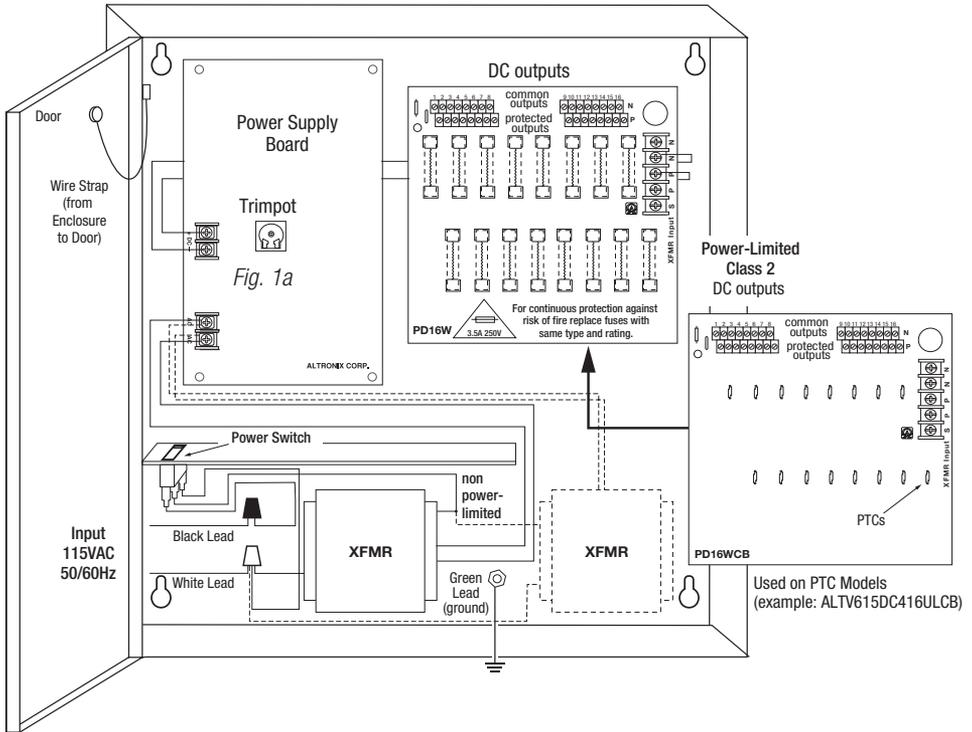
Terminal Legend	Function/Description
AC/AC	Low voltage AC input.
+ DC -	6VDC -15VDC output.

## PD16W/PD16WCB - Distribution Module

1P - 16P	Positive DC outputs.
1N - 16N	Negative DC outputs.

Fig. 1

**CAUTION: De-energize unit prior to servicing. For continued protection against fire hazard replace fuse with the same type and rating: 3.5A, 250V. Do not expose unit to rain or moisture.**





The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of an insulated **DANGEROUS VOLTAGE** within the product's enclosure that may be of sufficient magnitude to constitute an electric shock.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



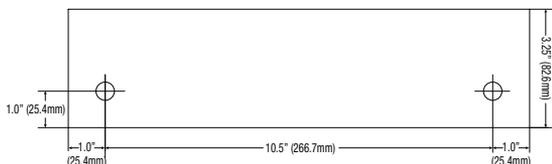
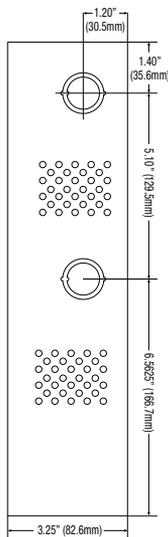
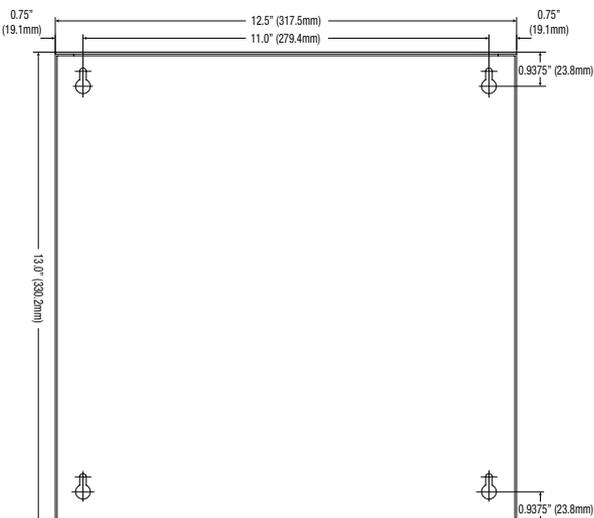
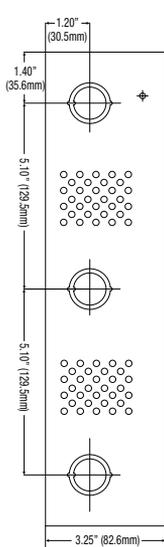
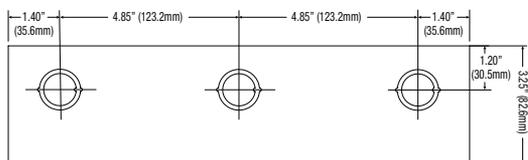
**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN



**CAUTION:** To reduce the risk of electric shock do not open enclosure. There are no user serviceable parts inside. Refer servicing to qualified service personnel.

## Enclosure Dimensions (H x W x D approximate):

13.5" x 13" x 3.25" (342.9mm x 330.2mm x 82.6mm)



Altronix is not responsible for any typographical errors.

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 website: [www.altronix.com](http://www.altronix.com) | e-mail: [info@altronix.com](mailto:info@altronix.com) | Lifetime Warranty  
 IIALTV615DCULSeries K16U



MEMBER