

# ***ALTV615DC8220 Series***

## ***CCTV Camera and Accessory Power Supplies***

### ***Installation Guide***

#### ***Models Include:***

#### ***ALTV615DC8220***

- 6-15VDC @ 4A.
- Eight (8) Fuse Protected Outputs.

#### ***ALTV615DC8CB220***

- 6-15VDC @ 4A.
- Eight (8) PTC Protected Outputs.

## Overview:

Altronix ALTV615DC8220 Series CCTV Power Supplies are designed with eight (8) individually fuse (ALTV615DC8220) or PTC (ALTV615DC8CS220) protected outputs for powering CCTV cameras and other video accessories. They provide 6VDC-15VDC distributed via eight (8) outputs with a total of up to 4A continuous supply current.

### ALTV615DC8220 Series Reference Chart:

Altronix Model Number	Output Voltage	Total Output Current (Power)	Number of Outputs	PTC Protected Outputs (auto-resettable)	Fuse Protected Outputs	Output Current (max per output)	220VAC 50/60Hz Input Current
ALTV615DC8220	6-15VDC	4A	8	–	✓	3.5A	0.5A
ALTV615DC8CB220				✓	–	2.5A	

## Specifications:

### Input:

- 220VAC (working range 198VAC-256VAC), 50/60Hz, 0.5A.

### Output:

- Eight (8) 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.
- 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)

## Installation Instructions:

1. Mount unit in the desired location. Mark and predrill holes in the wall to line up with the top two keyholes in the enclosure. Install two upper fasteners and screws in the wall with the screw heads protruding. Place the enclosure's upper keyholes over the two upper screws, level and secure. Mark the position of the lower two holes. Remove the enclosure. Drill the lower holes and install three fasteners. Place the enclosure's upper keyholes over the two upper screws. Install the two lower screws and make sure to tighten all screws (*Enclosure Dimensions, pg. 4*).
2. Connect unswitched AC circuit (220VAC, 50/60Hz) as follows: Green branch wire (ground) connects to the terminal marked  $\oplus$ , Line connects to the terminal marked [L], and Neutral connects to the terminal marked [N] of the Inlet Appliance Connector. Use 18 AWG or larger for all power connections. (*Fig. 1, pg. 3*). Use knockout adjacent to the transformer.  
**CAUTION: Determine the maximum operating voltage of the equipment being powered before adjusting the output voltage.**
3. Adjust output voltage using trimpot on the board prior to connecting CCTV devices (*Fig. 1a, pg. 3*).
4. Connect each DC CCTV cameras to the terminal pairs marked [1P-1N] through [8P-8N] on PD8(CB) board (*Fig. 1, pg. 3*), carefully observing correct polarity. Terminals marked [1P-8P] are positive (+) and terminals marked [1N-8N] are negative (-).  
**Note:** Measure output voltage before connecting devices. This helps avoiding potential damage.
5. Green LED will illuminate when unit is powered.
6. Upon completion of the wiring secure enclosure door with screws (supplied).  
**Keep power-limited circuits (outputs 1 through 8) away from non power-limited. 0.25" space must be provided. Use separate knockouts.**  
**CAUTION: Equipment to be installed/serviced by authorized/trained personnel only. Shut branch circuit power before installing/servicing equipment.**

**Caution: Equipment to be installed / serviced by authorized / trained personnel only. Shut branch circuit power before installing / servicing equipment.**

**WARNING: To reduce the risk of fire or electric shock, do not expose the unit to rain or moisture. This installation should be made by qualified service personnel and should conform to the National Electrical Code and all local codes.**

## Terminal Identification:

### Power Supply Board

Terminal Legend	Function/Description
AC/AC	Low voltage AC input (24VAC 100VA) - Altronix part # T2428100220
+ DC -	6VDC-15VDC @ 4A total continuous output.

### PD8/PD8CB - Distribution Module

Terminal Legend	Function/Description
1P - 8P	Positive DC output.
1N - 8N	Negative DC output

Fig. 1

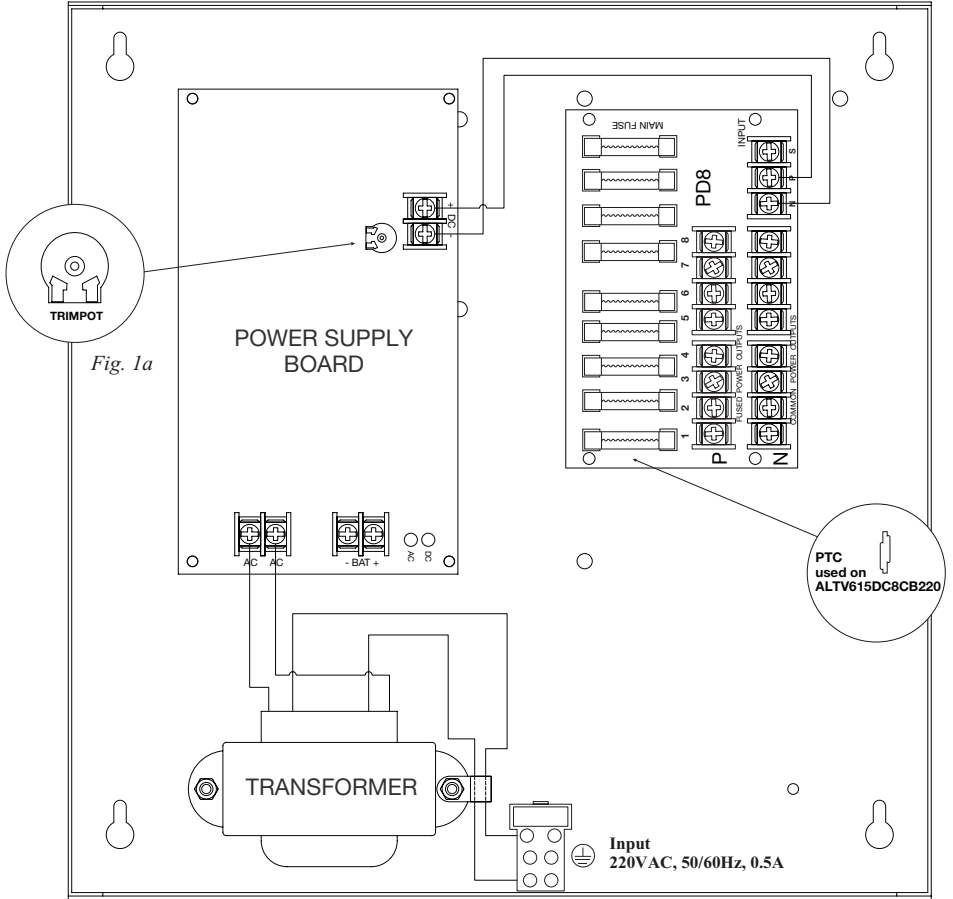


Fig. 1a



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.



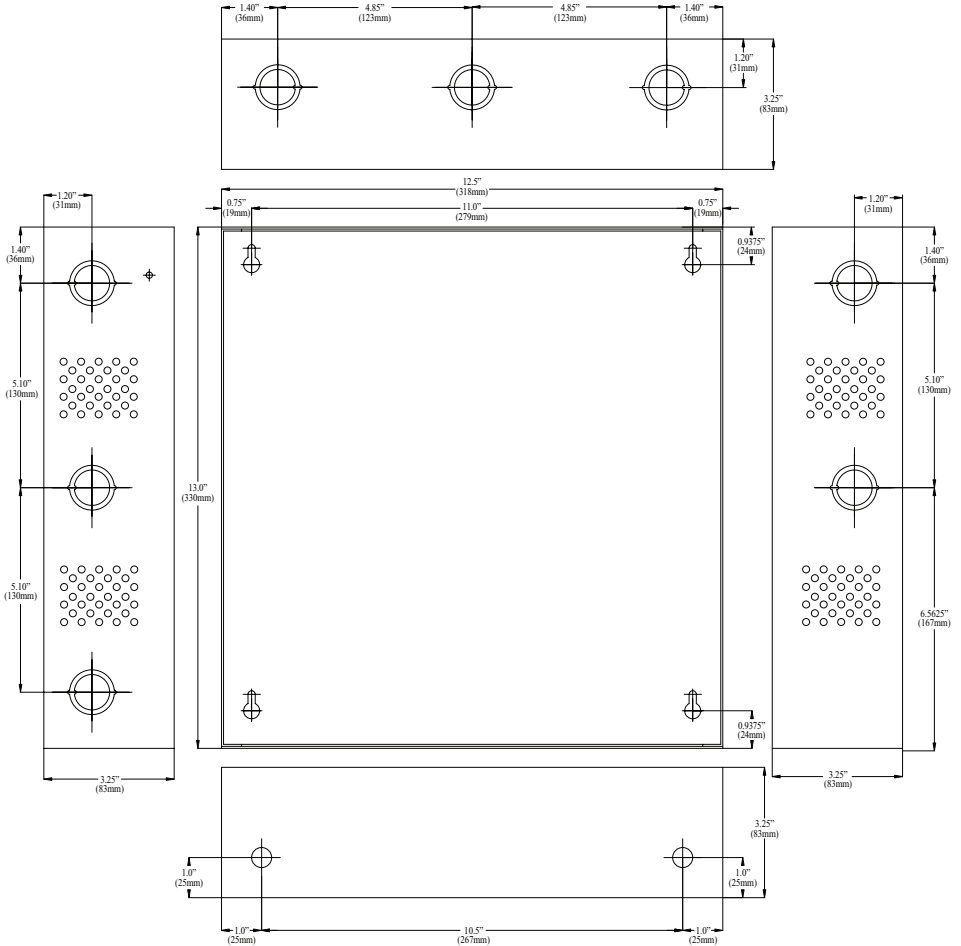
**CAUTION**  
**RISK OF ELECTRIC SHOCK**  
**DO NOT OPEN**



**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.

### **Rack Mechanical Drawing and Dimensions:**

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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 HALTV615DC8220 Series E15R



MEMBER  
ALTV615DC8220 Series