

ALTV615DC220 Series

CCTV Power Supplies

Models Include:

ALTV615DC44M220

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

ALTV615DC48M220

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

ALTV615DC416220

- 6-15VDC @ 4A.
- Sixteen (16) Fuse Protected Outputs

ALTV615DC616220

- 6-15VDC @ 6A.
- Sixteen (16) Fuse Protected Outputs.

ALTV615DC1016220

- 6-15VDC @ 10A.
- Sixteen (16) Fuse Protected Outputs.

ALTV615DC44CBM220

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

ALTV615DC48CBM220

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

ALTV615DC416CB220

- 6-15VDC @ 4A.
- Sixteen (16) PTC Protected Outputs

ALTV615DC616CB220

- 6-15VDC @ 6A.
- Sixteen (16) PTC Protected Outputs.

ALTV615DC1016CB220

- 6-15VDC @ 10A.
- Sixteen (16) PTC Protected Outputs.

Installation Guide



Rev. 032306



More than just power.™

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____

Overview:

Altronix ALTV615DC220 Series DC CCTV Power Supplies provide 6-15VDC distributed via fuse or PTC protected outputs for powering CCTV cameras, heaters, and other video accessories.

ALTV615DC220 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 |
|-----------------------|----------------|------------------------------|-------------------|---|------------------------|---------------------------------|------------------------------|
| ALTV615DC44M220 | 6-15VDC | 4A | 4 | – | ✓ | 3.5A | 0.5A |
| ALTV615DC44CBM220 | 6-15VDC | 4A | 4 | ✓ | – | 2.5A | 0.5A |
| ALTV615DC48M220 | 6-15VDC | 4A | 8 | – | ✓ | 3.5A | 0.5A |
| ALTV615DC48CBM220 | 6-15VDC | 4A | 8 | ✓ | – | 2.5A | 0.5A |
| ALTV615DC416220 | 6-15VDC | 4A | 16 | – | ✓ | 3.5A | 0.5A |
| ALTV615DC416CB220 | 6-15VDC | 4A | 16 | ✓ | – | 2.5A | 0.5A |
| ALTV615DC616220 | 6-15VDC | 6A | 16 | – | ✓ | 3.5A | 1A |
| ALTV615DC616CB220 | 6-15VDC | 6A | 16 | ✓ | – | 2.5A | 1A |
| ALTV615DC1016220 | 6-15VDC | 10A | 16 | – | ✓ | 3.5A | 1A |
| ALTV615DC1016CB220 | 6-15VDC | 10A | 16 | ✓ | – | 2.5A | 1A |

Specifications:

Agency Listing:

- CE European Conformity.

Input:

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

Output:

- Four (4), eight (8), or 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.

Features (cont'd):

- Unit maintains camera synchronization.
- Ease of installation saves time and eliminates costly labor.

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

ALTV615DC44M220, ALTV615DC44CBM220, ALTV615DC48M220, ALTV615DC48CBM220:

8.5" x 7.5" x 3.875"

(215.9mm x 191mm x 98.4mm)

All other models:

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 the 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. 7, 8*).
2. Remove Power Distribution Module and isolation barrier (models with "M" suffix only).
3. Connect unswitched AC circuit (220VAC, 50/60Hz) as follows: Green branch wire (ground) connects to the terminal marked ⊕, Line connects to the terminal marked [L], and Neutral connects to the terminal marked [N] of the Inlet Appliance Connector. (*Figs. 1-3, pgs. 4-6*). Use 18 AWG or larger for all power connections.

Units with line cord installed skip Instruction #3.

Use 18 AWG or larger for all power connections.

Connect green ground lead to earth ground (*Fig. 1-3, pgs. 4-6*).

Keep power-limited wiring separate from non power-limited wiring.

Minimum 0.25" spacing must be provided. Use separate knockouts.

4. Adjust output voltage (unit is factory set at 12VDC); use the trimpot on the power supply board prior to connecting CCTV devices (*Figs. 1a, pg. 4; Fig. 2a, pg. 5; Fig. 3a, pg. 6*).
5. 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.
6. Reinstall isolation barrier and Power Distribution Module (models with "M" suffix only).
7. Connect devices to terminals marked [1P - 1N] through [4P - 4N] on PD4/PD4CB board, [1P - 1N] through [8P - 8N] on PD8/PD8CB, [1P - 1N] through [16P - 16N] on PD16W/PD16WCB/PD16CB board, carefully observing correct polarity (*Figs. 1-3, pgs. 4-6*).
Terminals marked [1P - 16P] are positive (+) and terminals marked [1N - 16N] are negative (-).
8. Green LED will illuminate when unit is powered.
9. Upon completion of the wiring, secure enclosure door with screws (supplied).

**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. |
| + DC - | 6VDC-15VDC output. |

PD4/PD4CB - Distribution Module

| | |
|---------|----------------------|
| 1P - 4P | Positive DC outputs. |
| 1N - 4N | Negative DC outputs. |

PD8/PD8CB - Distribution Module

| | |
|---------|----------------------|
| 1P - 8P | Positive DC outputs. |
| 1N - 8N | Negative DC outputs. |

PD16W/PD16WCB/PD16CB - Distribution Module

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



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.

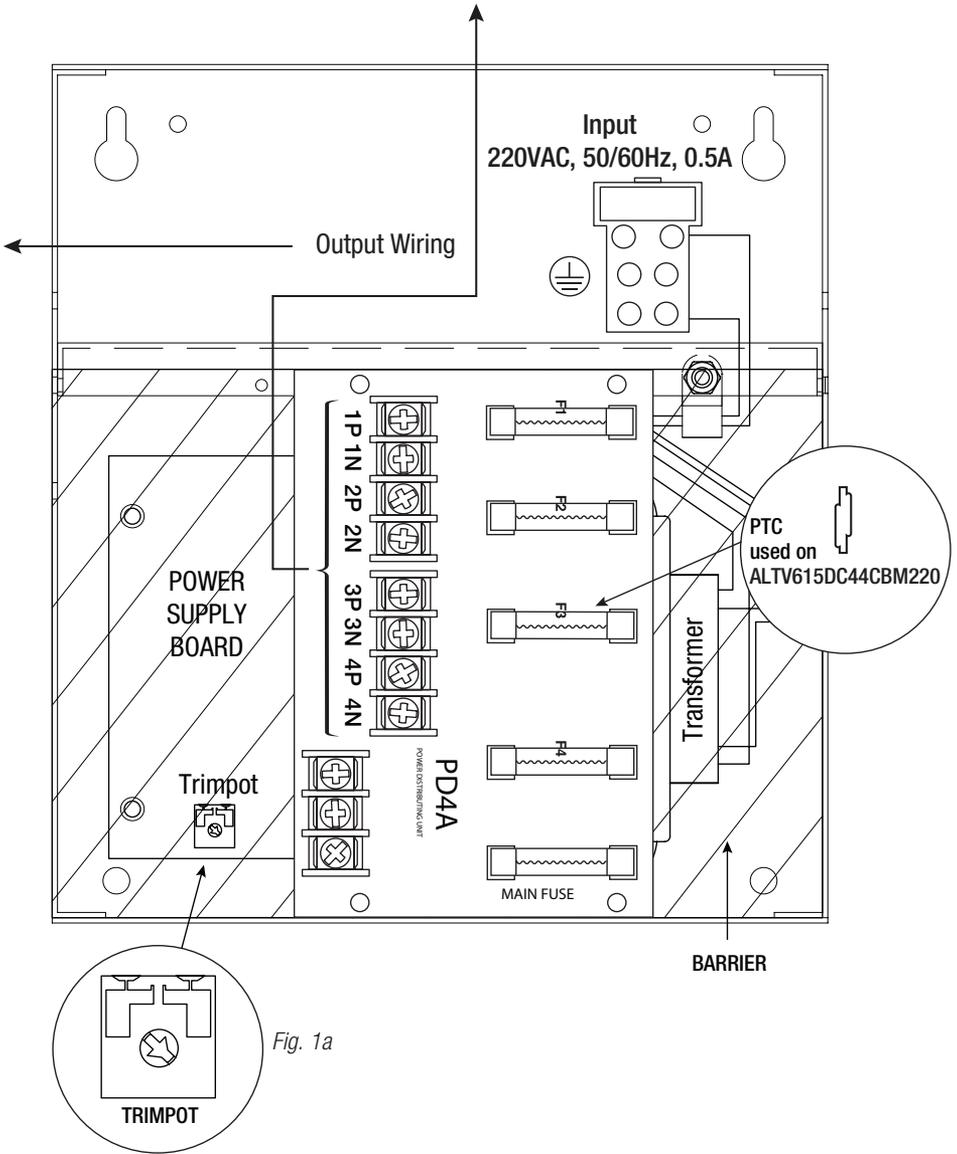


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



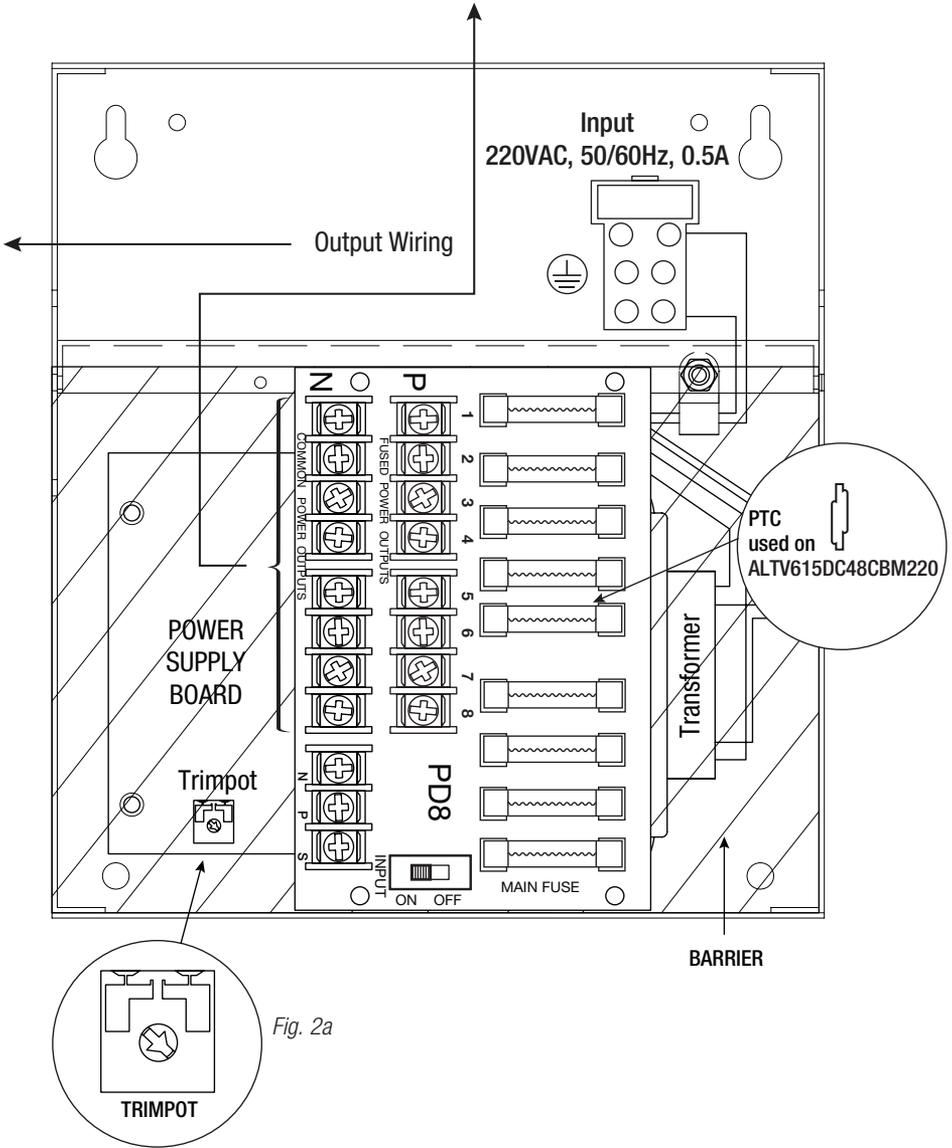
CAUTION: To reduce the risk of electric shock do not open enclosure. There are no user serviceable parts inside. Refer servicing to qualified service personnel.

Fig. 1 - ALTV615DC44M220 and ALTV615DC44CBM220



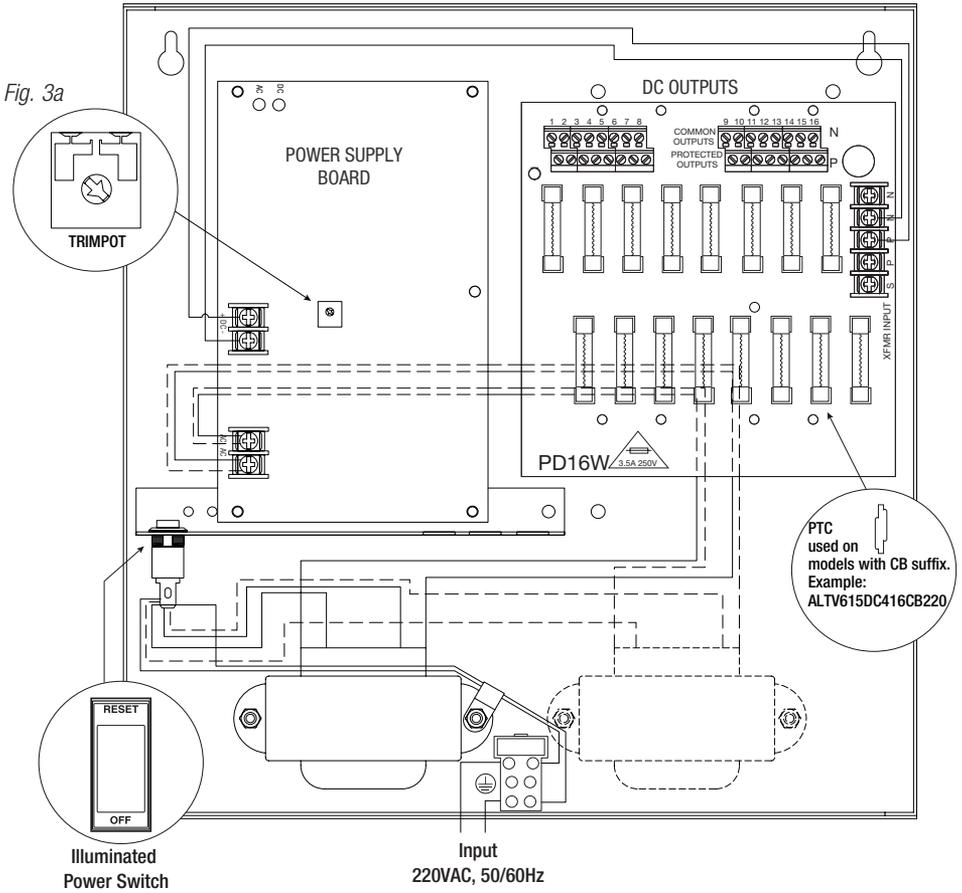
CAUTION: De-energize unit prior to servicing.
 For continued protection against fire hazard replace fuse with the same type and rating.
 Do not expose unit to rain or moisture.

Fig. 2 - ALTV615DC48M220 and ALTV615DC48CBM220



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

Fig. 3 - ALTV615DC416220 • ALTV615DC416CB220 • ALTV615DC616220 • ALTV615DC61CB220
 ALTV615DC1016220 • ALTV615DC1016CB220

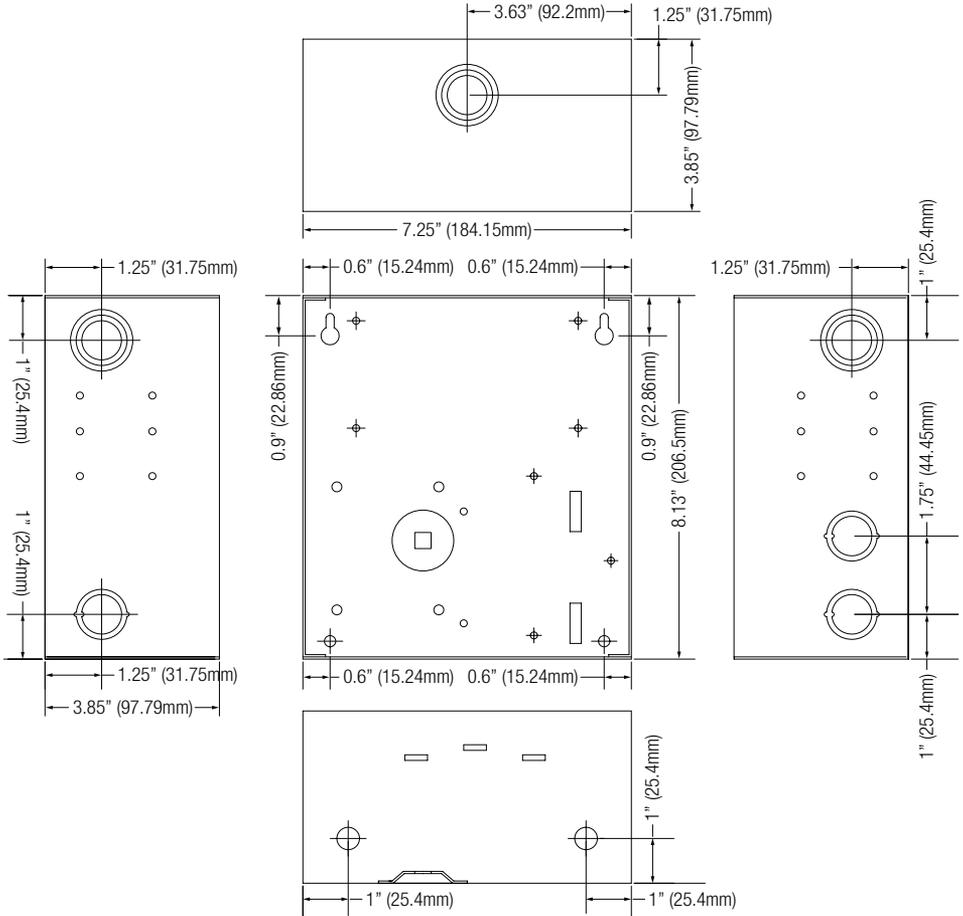


CAUTION: De-energize unit prior to servicing.
 For continued protection against fire hazard replace fuse with the same type and rating.
 Do not expose unit to rain or moisture.

Enclosure Dimensions for:

•ALTV615DC44M220 •ALTV615DC44CBM220 •ALTV615DC48M220 •ALTV615DC48CBM220

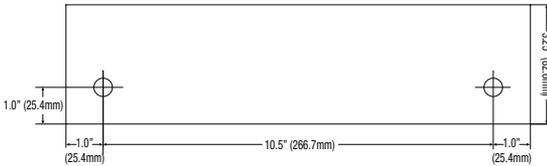
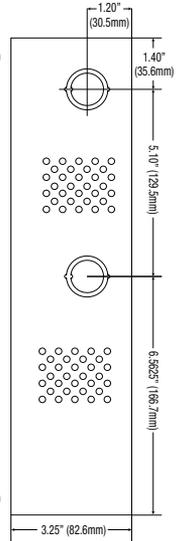
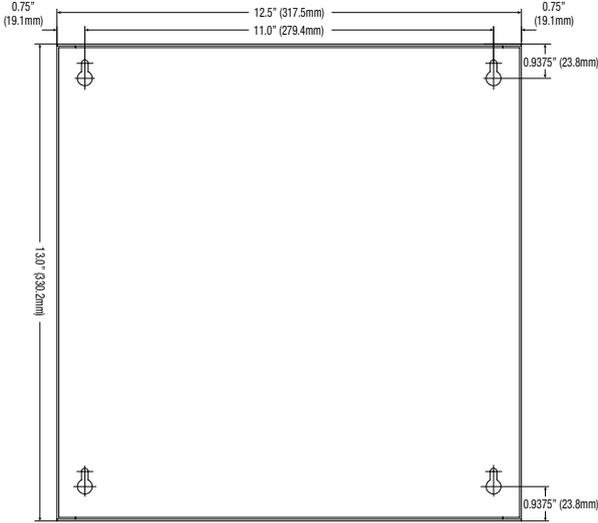
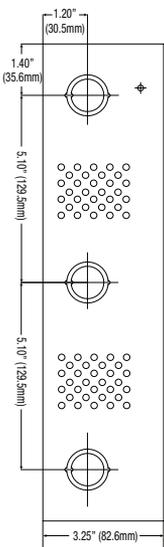
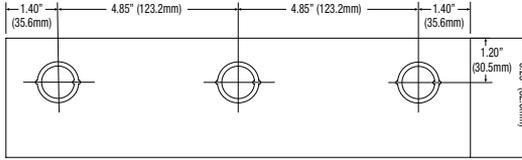
8.5" x 7.5" x 3.875" (215.9mm x 191mm x 98.4mm)



Enclosure Dimensions for:

- ALTV615DC416220 • ALTV615DC416CB220 • ALTV615DC616220
- ALTV615DC616CB220 • ALTV615DC1016220 • ALTV615DC1016CB220

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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 IIALTV615DC220 Series L07U

