ALTV164 Series
4-Output CCTV Power Supplies

Models Include:

ALTV164
- 16VAC @ 6A or 18VAC @ 5A (100VA) supply current.
- Four (4) Fuse Protected Outputs.

ALTV164175
- 16.5VAC @ 11A (175VA).
- Four (4) Fuse Protected Outputs.

ALTV164175CB
- 16.5VAC @ 11A (175VA).
- Four (4) PTC Protected Outputs.

Installation Guide

Altronix®

Rev. 030222

More than just power.™

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____

Overview:

Altronix ALTV164 Series CCTV Power Supplies provide 16VAC or 18VAC (ALTV164 only) distributed via four (4) fuse or PTC protected outputs for powering CCTV cameras, heaters and other video accessories.

Four (4) Output ALTV164 Reference Chart:

Altronix Model Number	115VAC 50/60Hz Input Current	Total Output Voltage and Current	Number of Outputs	Fuse Protected Outputs	PTC Protected Outputs	Output Current (max per output)
ALTV164	0.9A	16VAC @ 6A or 18VAC @ 5A	4	✓		2.5A
ALTV164175	2.7A	16.5 VAC @ 11A				
ALTV164175CB					✓	2.0A

Specifications:

Input:

- 115VAC, 50/60Hz.

Output:

- Four (4) fuse or PTC protected outputs.
- 12VAC supply current.
- Output Ratings:
  ALTV164 and ALTV164175 - 3.5A/250V.
  ALTV164175CB - 2.5A.
- Surge suppression.

Features:

All Models:

- AC power LED.
- Spare fuses provided.

ALTV164175 and ALTV164175CB Only:

- Power ON/OFF switch.
- Secondary fuse rated @ 5A/250V.

Enclosure Dimensions:

8.125" x 7.4" x 3.55" (206.4mm x 188mm x 90.2mm).

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 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. 8)*. Secure enclosure to earth ground.
2. Slide switch on PD board on ALTV164 to OFF position *(Fig. 1, pg. 4)*.
   Turn main switch OFF on ALTV164175(CB) *(Fig. 2, pg. 5)*.
3. ALTV164 is factory set for 16VAC operation. For 18VAC operation adjust unit prior to mounting and applying power as follows: Change the wire position so that the black wire [18V] is connected to the terminal marked [P] and the yellow wire [16V] is connected to the terminal marked [S] *(Fig. 1a, pg. 4)*.
4. Connect AC power to the black and white flying lead of the transformer *(Figs. 1 - 2, pgs. 4 - 5)*.
   Use 18 AWG or larger for all power connections (Battery, AC output).
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. Connect devices to the terminals marked [1P - 1N] through [4P - 4N] on PD4 board, carefully observing correct polarity *(Figs. 1 - 2, pgs. 3 - 4)*.
7. Slide switch on PD board on ALTV164 to ON position *(Fig. 1, pg. 4)*.
   Turn main switch ON on ALTV164175(CB) *(Fig. 2, pg. 5)*.
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:

PD4 - Distribution Module

1P - 4P	AC output.
1N - 4N	AC output.

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: 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 - **ALTV164**

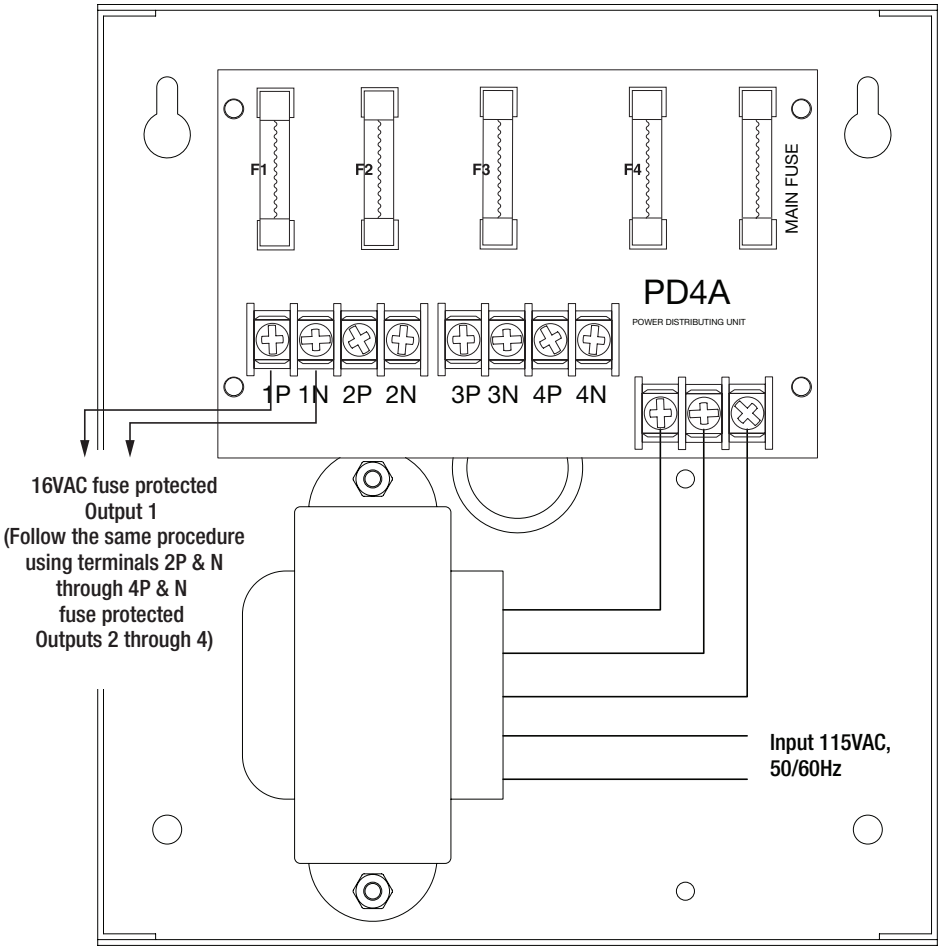


Fig. 1a - **Voltage Selection Configuration**

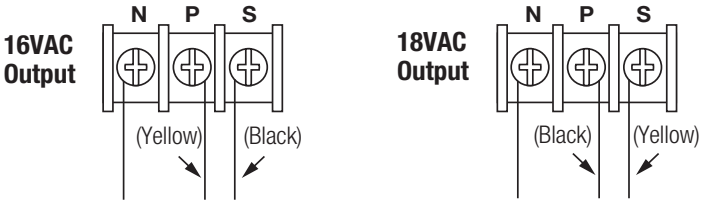
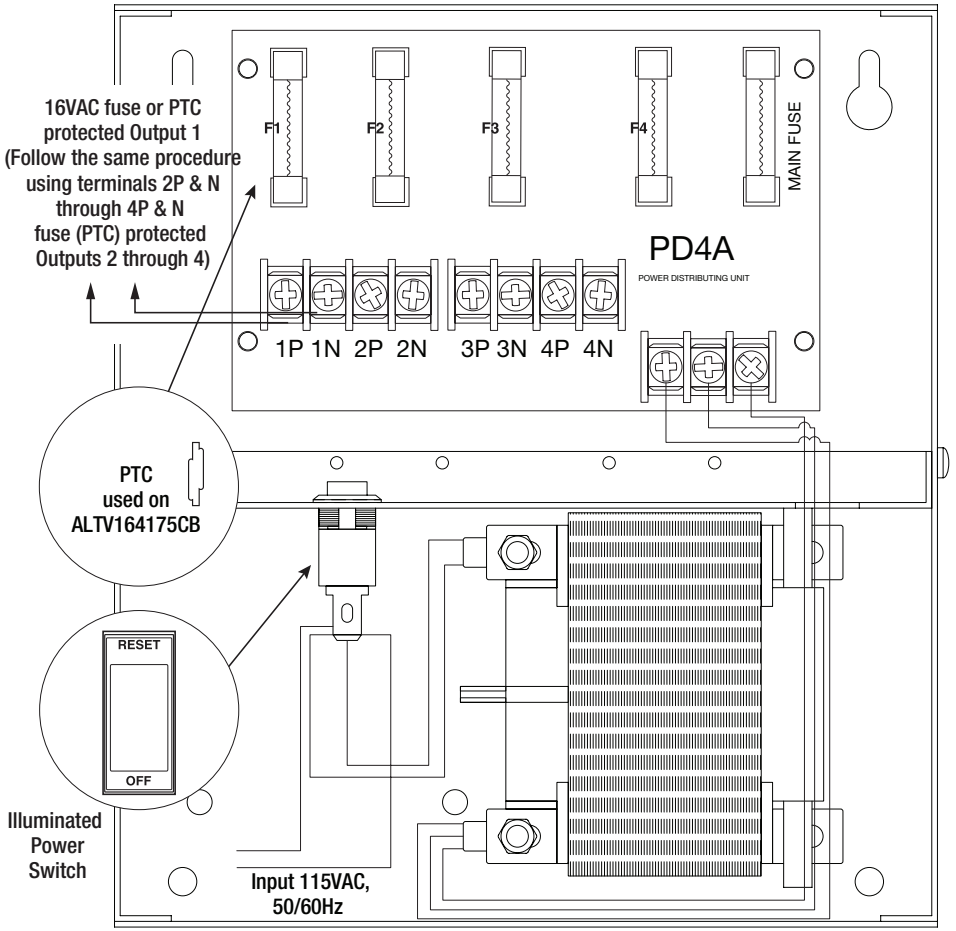


Fig. 2 - **ALTV164175(CB)**



Notes:

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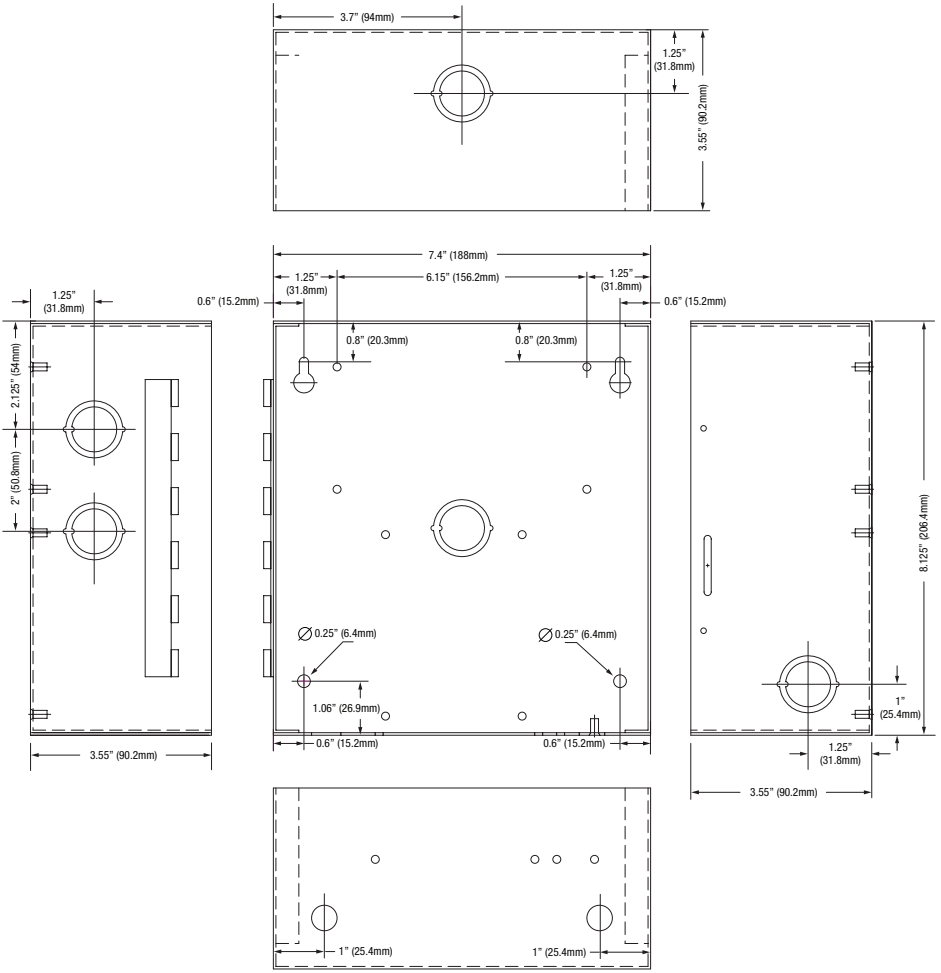
Enclosure Dimensions:

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