

ALTV2432 Series

32-Output CCTV Power Supplies

Models Include:

ALTV2432

- 24VAC @ 8A (200VA) or 28VAC @ 7A (200VA).
- Thirty-two (32) Fuse Protected Outputs.

ALTV2432350

- 24VAC @ 14A (350VA) or 28VAC @ 12.5A (350VA).
- Thirty-two (32) Fuse Protected Outputs.

ALTV2432600

- 24VAC @ 28A (700VA) or 28VAC @ 25A (700VA).
- Thirty-two (32) Fuse Protected Outputs.

ALTV2432CB

- 24VAC @ 8A (100VA) or 28VAC @ 7A (200VA).
- Thirty-two (32) PTC Protected Outputs.

ALTV2432350CB

- 24VAC @ 14A (350VA) or 28VAC @ 12.5A (350VA).
- Thirty-two (32) PTC Protected Outputs.

ALTV2432600CB

- 24VAC @ 28A (700VA) or 28VAC @ 25A (700VA).
- Thirty-two (32) PTC Protected Outputs.

Installation Guide



Rev. 021704



More than just power.™

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____



Overview:

Altronix ALTV2432 Series CCTV Power Supplies provide 24VAC or 28VAC distributed via thirty-two (32) fuse or PTC protected outputs for powering CCTV cameras, heaters and other video accessories.

Thirty-Two (32) Output ALTV2432 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)	Main Fuse Ratings	115VAC 50/60Hz Input Current
ALTV2432	24VAC	8A	32	—	✓	3.5A	5A/250V	2.9A
	28VAC	7A						
ALTV2432CB	24VAC	8A		✓	—	2.5A	10A/250V	2.7A
	28VAC	7A						
ALTV2432350	24VAC	14A		—	✓	3.5A	15A/32V	5.4A
	28VAC	12.5A						
ALTV2432350CB	24VAC	14A		✓	—	2.5A		
	28VAC	12.5A						
ALTV2432600	24VAC	28A		—	✓	3.5A		
	28VAC	25A						
ALTV2432600CB	24VAC	28A		✓	—	2.5A		
	28VAC	25A						

Specifications:

Input:

- 115VAC, 50/60Hz.

Output:

- Thirty-two (32) fuse or PTC protected outputs.
- 24VAC or 28VAC supply current.
- Outputs are rated @ 3.5A (fused) or 2.5A (PTC).
- Surge suppression.

Features:

- Secondary fuse rated @ 10A/250V.
 - AC power LED.
 - Power ON/OFF switch.
 - Spare fuses provided.
- (all models w/primary and/or secondary fuses).

Enclosure Dimensions:

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 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. Turn main switch on the unit OFF (*Fig. 1-3, pgs. 4-6*).
3. All units are factory set for 24VAC operation.
For 28VAC operation, adjust unit prior to mounting and applying power as follows:
Change the wire position so that the black wire [28V] is connected to the terminal marked [P] and the yellow wire [24V] is connected to the terminal marked [S].
4. Connect AC power to the black and white flying leads of the transformer(s) (*Figs. 1-3, pgs. 4-6*), secure green lead to earth ground. Use 18 AWG or larger for all power connections.
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 [16P - 16N] on PD16W/PD16WCB board (Figs. 1-3, pgs. 4-6), carefully observing polarity. Terminals marked [1P - 16P] are of the same polarity.
- 7. Turn main switch on the unit to the ON (RESET) position (Figs. 1-3, pgs. 4-6).
- 8. Green LED(s) 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:
PD16W/PD16WCB - Distribution Module

1P - 16P	AC output.
1N - 16N	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.

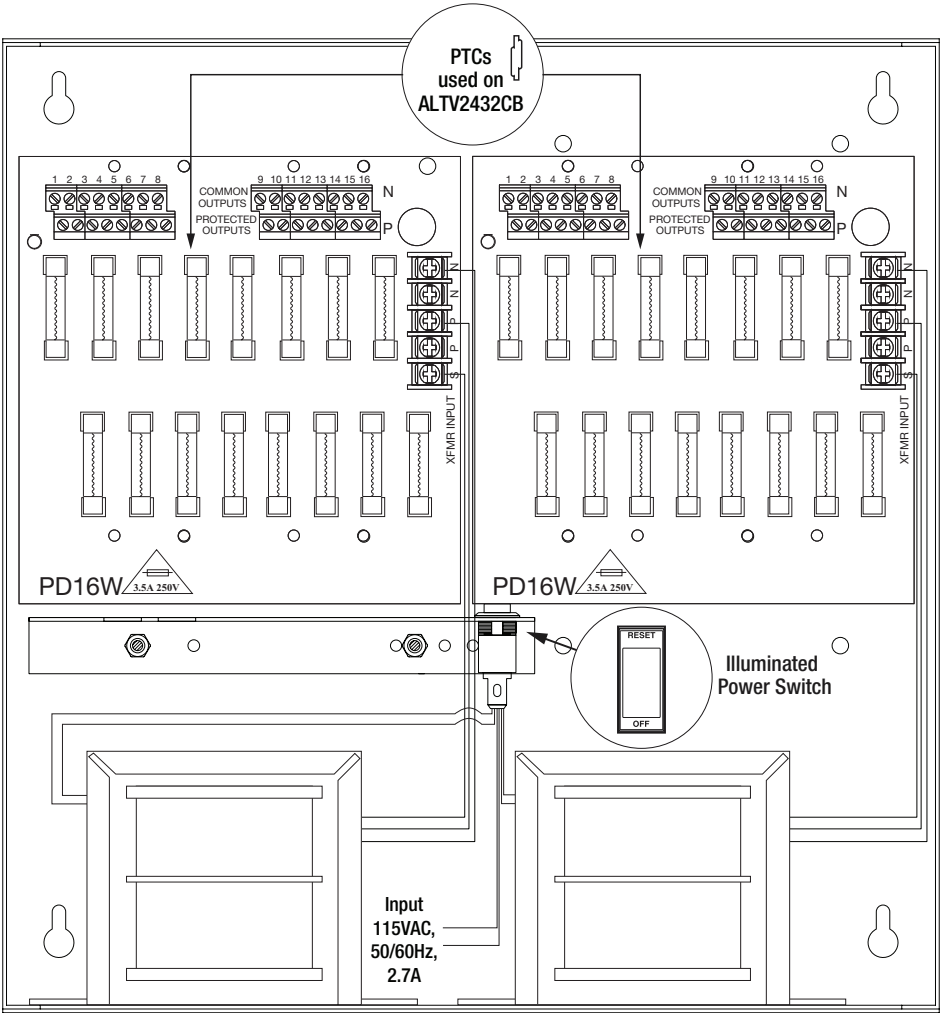


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



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 - ALTV2432 and ALTV2432CB



Terminal Blocks for Fig. 1

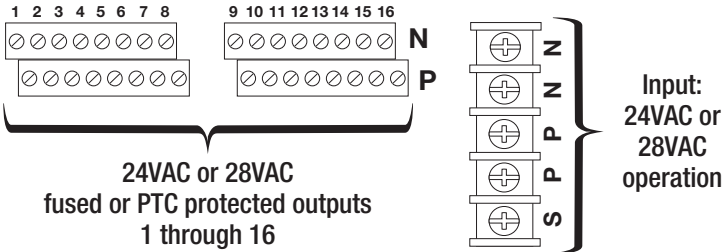
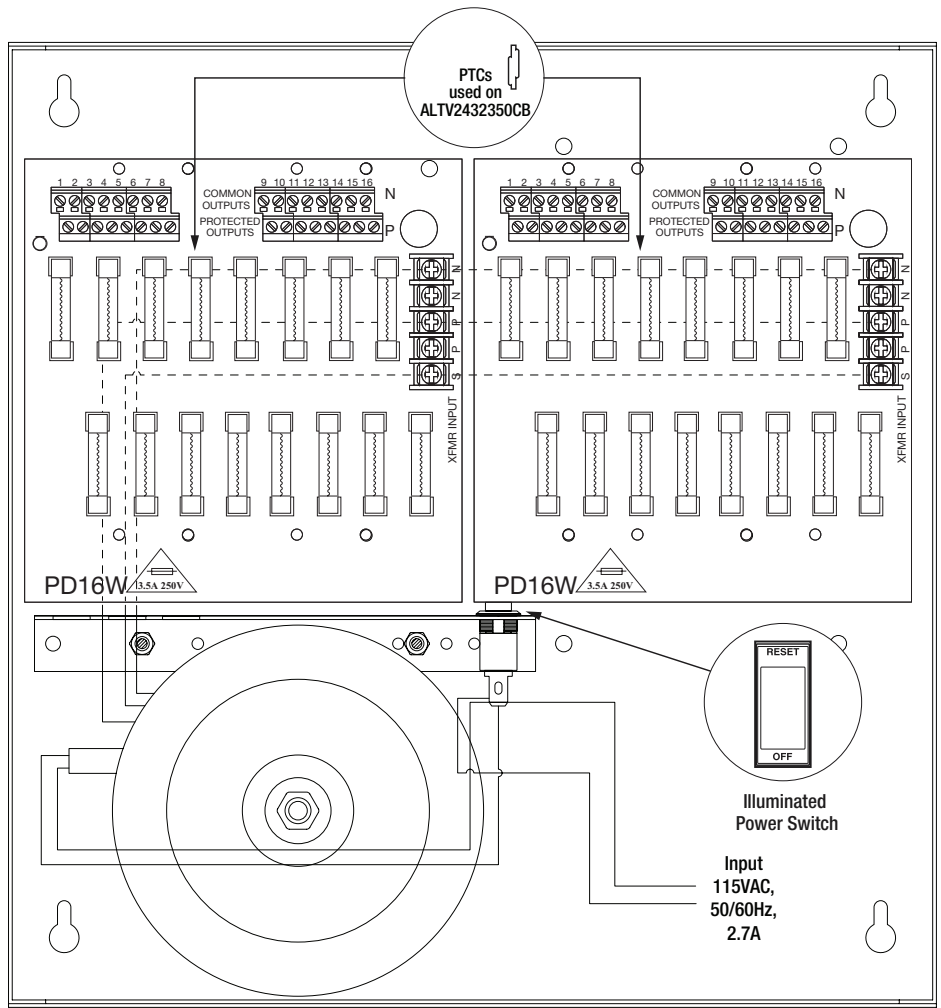
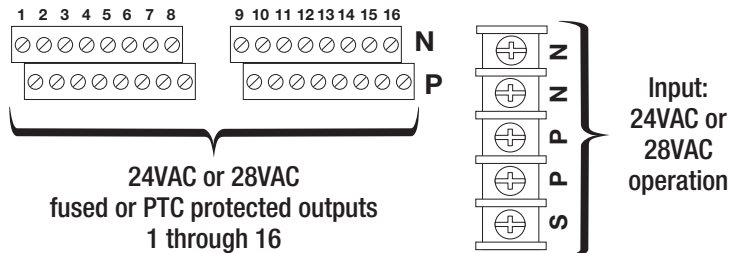


Fig. 2 - ALTV2432350 and ALTV2432350CB



Terminal Blocks for Fig. 2



The diagram illustrates the internal layout of the ALTV2432600CB power supply unit. Key components and features include:

- PTCs (Polymeric Thermal Cutouts):** Two PTCs are shown at the top, labeled "PTCs used on ALTV2432600CB".
- Terminal Blocks:** Two sets of terminal blocks are shown, each with 16 pins. The left set is labeled "COMMON OUTPUTS" and "PROTECTED OUTPUTS". The right set is labeled "COMMON OUTPUTS" and "PROTECTED OUTPUTS".
- Transformer Input:** A transformer input is shown on the right side, labeled "XFMR INPUT".
- PD16W:** Two power dissipation units are shown, labeled "PD16W" and "3.5A 250V".
- Input 115VAC, 50/60Hz, 5.4A:** The input specification is shown at the bottom center.
- Illuminated Power Switch:** A switch is shown on the right side, labeled "Illuminated Power Switch". It has a "RESET" button and an "OFF" position.
- Wiring:** Various wires are shown connecting the components, including a dashed line representing a common ground or return path.

The diagram shows two groups of items, labeled **N** and **P**. Group **N** consists of two rows of 4 items each, totaling 8 items. Group **P** also consists of two rows of 4 items each, totaling 8 items. A large bracket below both groups indicates a total of 16 items.

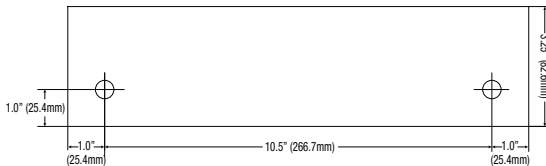
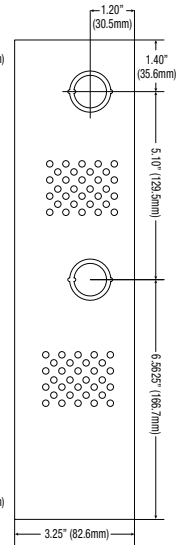
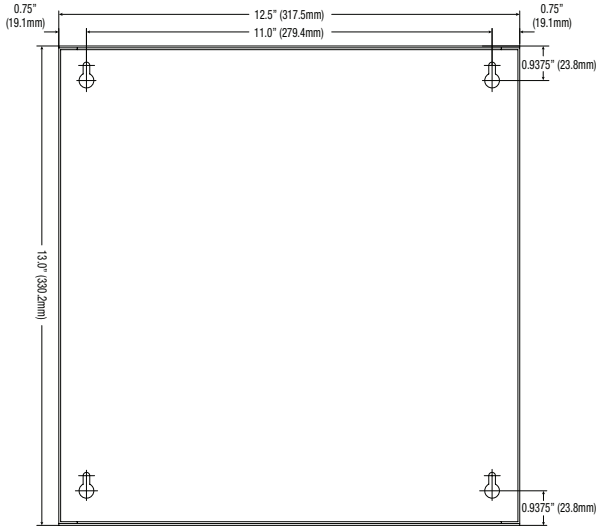
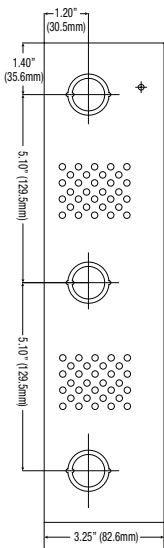
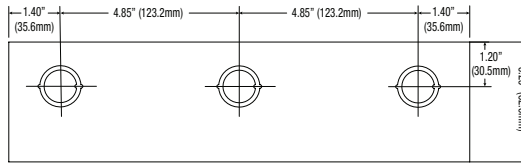
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Notes:



Enclosure Dimensions (H x W x D):

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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 IIALTV2432 Series J27U

