ALTV2416220 Series
CCTV Power Supplies

Models Include:

ALTV2416220
- 24VAC @ 8A (200VA) or 28VAC @ 7A (200VA).
- Sixteen (16) Fuse Protected Outputs.

ALTV2416X220
- 24VAC @ 8A (200VA) or 28VAC @ 7A (200VA).
- Sixteen (16) Fuse Protected Outputs.

ALTV2416350220
- 24VAC @ 14A (350VA) or 28VAC @ 12.5A (350VA).
- Sixteen (16) Fuse Protected Outputs.

ALTV2416300M220
- 24VAC @ 12.5A (300VA) or 28VAC @ 10A (300VA).
- Sixteen (16) Fuse Protected Outputs.

ALTV2416600220
- 24VAC @ 28A (700VA) or 28VAC @ 25A (700VA).
- Sixteen (16) Fuse Protected Outputs.

ALTV2416CB220
- 24VAC @ 8A (200VA) or 28VAC @ 7A (200VA).
- Sixteen (16) PTC Protected Outputs.

ALTV2416CBX220
- 24VAC @ 8A (200VA) or 28VAC @ 7A (200VA).
- Sixteen (16) PTC Protected Outputs.

ALTV2416350CB220
- 24VAC @ 14A (350VA) or 28VAC @ 12.5A (350VA).
- Sixteen (16) PTC Protected Outputs.

ALTV2416300CBM220
- 24VAC @ 12.5A (300VA) or 28VAC @ 10A (300VA).
- Sixteen (16) PTC Protected Outputs.

ALTV2416600CB220
- 24VAC @ 28A (700VA) or 28VAC @ 25A (700VA).
- Sixteen (16) PTC Protected Outputs.

Installation Guide

CE

Altronix®

Rev. 120105

More than just power.™

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____

Overview:

Altronix ALTV2416220 Series CCTV Power Supplies provide 24VAC or 28VAC distributed via sixteen(16) fuse or PTC protected outputs for powering CCTV cameras, heaters and other video accessories.

Sixteen (16) Output ALTV2416220 Reference Chart:

Altronix Model Number	220VAC 50/60Hz Input Current	Input Fuse Ratings	Output Voltage	Total Output Current (Power)	Number of Outputs	PTC Protected Outputs (auto-resettable)	Fuse Protected Outputs	Output Current (max. per output)
ALTV2416220	0.5A	5A/ 250V	24VAC	8A	16	–	✓	2.5A
			28VAC	7A				
ALTV2416CB220			24VAC	8A		✓	–	2.0A
			28VAC	7A				
ALTV2416X220			24VAC	8A		–	✓	2.5A
			28VAC	7A				
ALTV2416CBX220			24VAC	8A		✓	–	2.0A
			28VAC	7A				
ALTV2416350220	1.5A	15A/ 250V	24VAC	14A		–	✓	2.5A
			28VAC	12.5A				
ALTV2416350CB220			24VAC	14A		✓	–	2.0A
			28VAC	12.5A				
ALTV2416300M220			24VAC	12.5A		–	✓	2.5A
			28VAC	10A				
ALTV2416300CBM220			24VAC	12.5A		✓	–	2.0A
			28VAC	10A				
ALTV2416600220	3A		24VAC	28A		–	✓	2.5A
			28VAC	25A				
ALTV2416600CB220			24VAC	28A		✓	–	2.0A
			28VAC	25A				

Specifications:

Agency Listing:
- CE European Conformity.

Input:
- 220VAC (working range 198VAC - 256VAC).

Output:
- Sixteen (16) fuse or PTC protected outputs.
- 24VAC or 28VAC supply current.
- Outputs are rated @ 3.5A (fused) or 2.5A (PTC).
- Surge suppression.

Features:
- AC power LED.
- Power ON/OFF switch.
- Spare fuses provided. (all models w/primary and/or secondary fuses).

Features (cont'd)**:**
- Unit maintains camera synchronization.
- Ease of installation saves time & eliminates costly labor.
- Spare fuses included (on fuse protected models).

Enclosure Dimensions:

ALTV2416(CB)220:
8.125" x 7.4" x 3.55"
(206.4mm x 188mm x 90.2mm).

ALTV2416300M(CB)220:
8.5" x 7.5" x 3.875"
(215.9mm x 191mm x 98.4mm).

ALTV2416X(CB)220, ALTV2416350(CB)220, ALTV2416600(CB)220:
13" x 12.5" x 3.25"
(330.2mm x 317.5mm 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 theenclosure. 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. 9-12)*. Secure enclosure to earth ground.
2. Slide switch on PD board to the OFF position for models ALTV2416220 and ALTV2416CB220 *(Fig. 1, pg. 4)*. Turn OFF main switch on all other models, *(Figs. 2-6, pgs. 5-9).*
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 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. 1-5, pgs. 4-8)*.
   Use 18 AWG or larger for all power connections.
5. Slide switch SW1 to the ON position on models ALTV2416(CB)220 and ALTV2416X(CB)220 *(Fig. 1, 2, pg. 3, 4)*. Turn main switch on all other models to the "RESET" (ON) position *(Fig. 3, 4, pg. 6, 7)*.
6. Measure output voltage before connecting devices. This helps avoiding potential damage.
   Terminals marked [1P - 8P] are positive of the same polarity.
   CAUTION: Determine the maximum operating voltage of the equipment being powered before adjusting the output voltage.
7. Slide switch on PD board to the OFF position for models ALTV2416(CB)220 and ALTV2416X(CB)220 *(Fig. 1,2, pg. 3, 4)*. Turn OFF main switch on all other models, *(Figs. 3-6, pg. 6-9).*
8. Connect devices to the terminals marked [1P - 1N] through [8P - 8N] on PD8/PD8CB board *(Fig. 5, pg. 8)* or terminals marked [1P - 1N] through [16P - 16N] on PD16W/PD16WCB board *(Fig. 1-5, pg. 4-8),* carefully observing polarity.
9. Slide switch SW1 to the ON position on models ALTV2416(CB)220 and ALTV2416X(CB)220 *(Fig. 1, 2, pg. 3, 4)*. Turn main switch on all other models to the "RESET" (ON) position *(Fig. 3, 4, pg. 6, 7)*.
10. Green LED will illuminate when unit is powered.
11. Upon completion of 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:

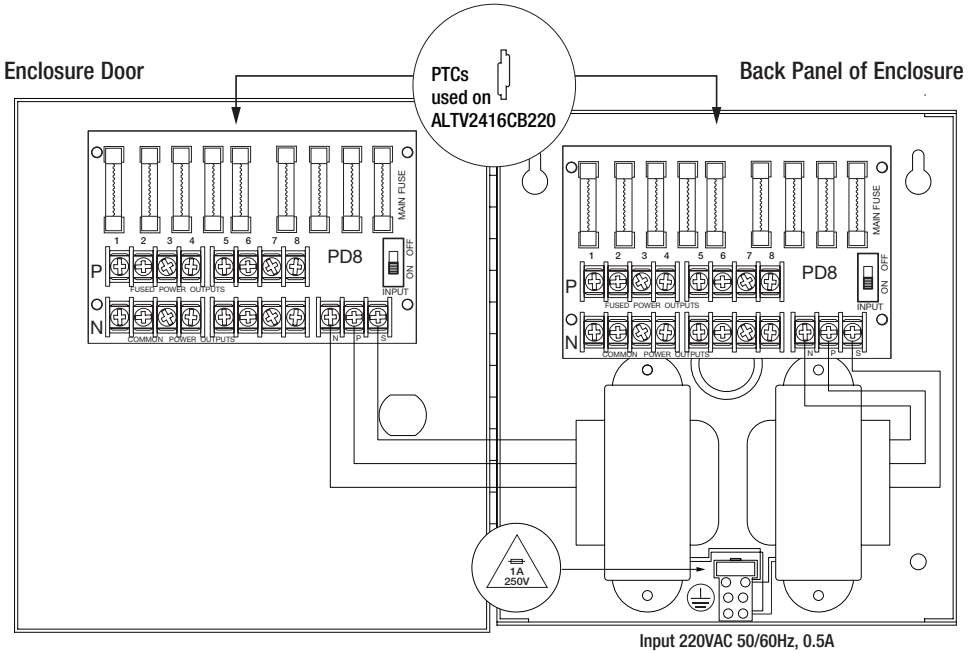
PD8/PD8CB - Distribution Module

1P - 8P	AC output.
1N - 4N	AC output.

PD16W/PD16WCB - Distribution Module

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

Fig. 1 - **ALTV2416220 and ALTV2416CB220**



Voltage Selection Configuration

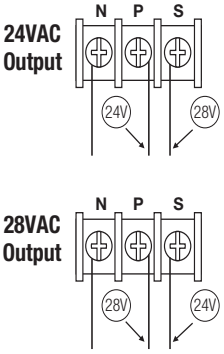
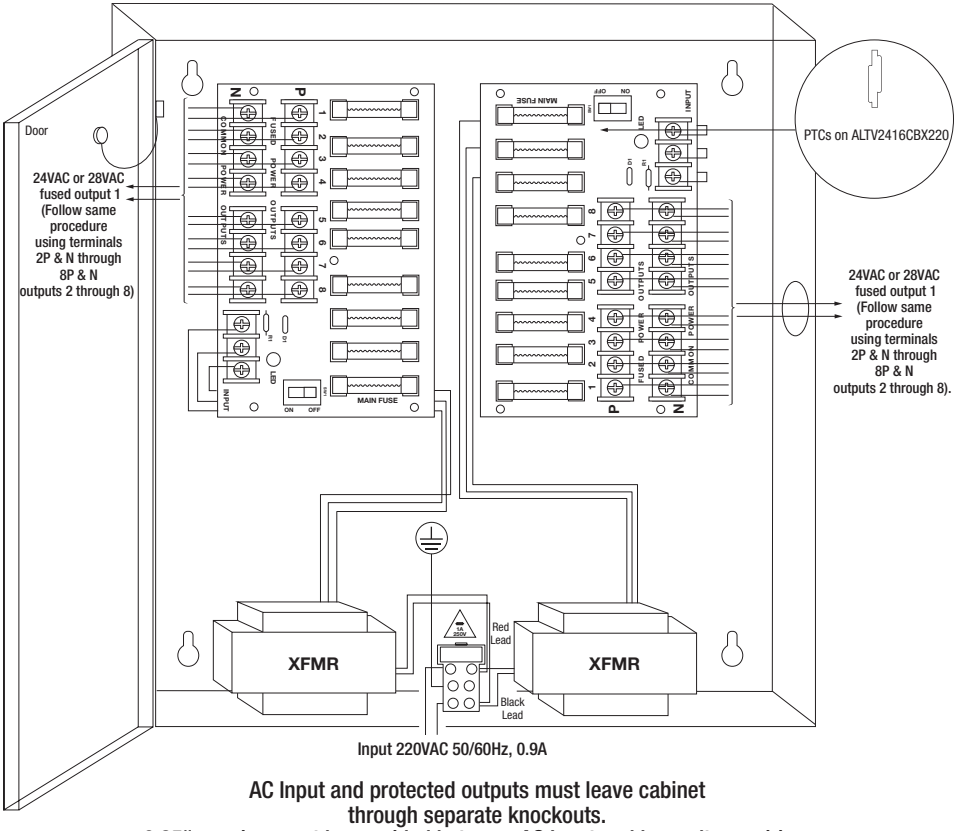


Fig. 2 - **ALTV2416X220 and ALTV2416CBX220**



AC Input and protected outputs must leave cabinet through separate knockouts.
0.25" spacing must be provided between AC Input and low voltage wiring.

Voltage Selection Configuration

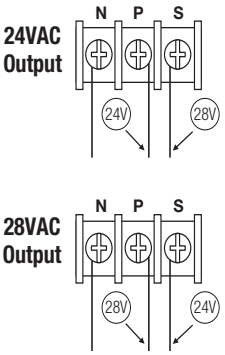
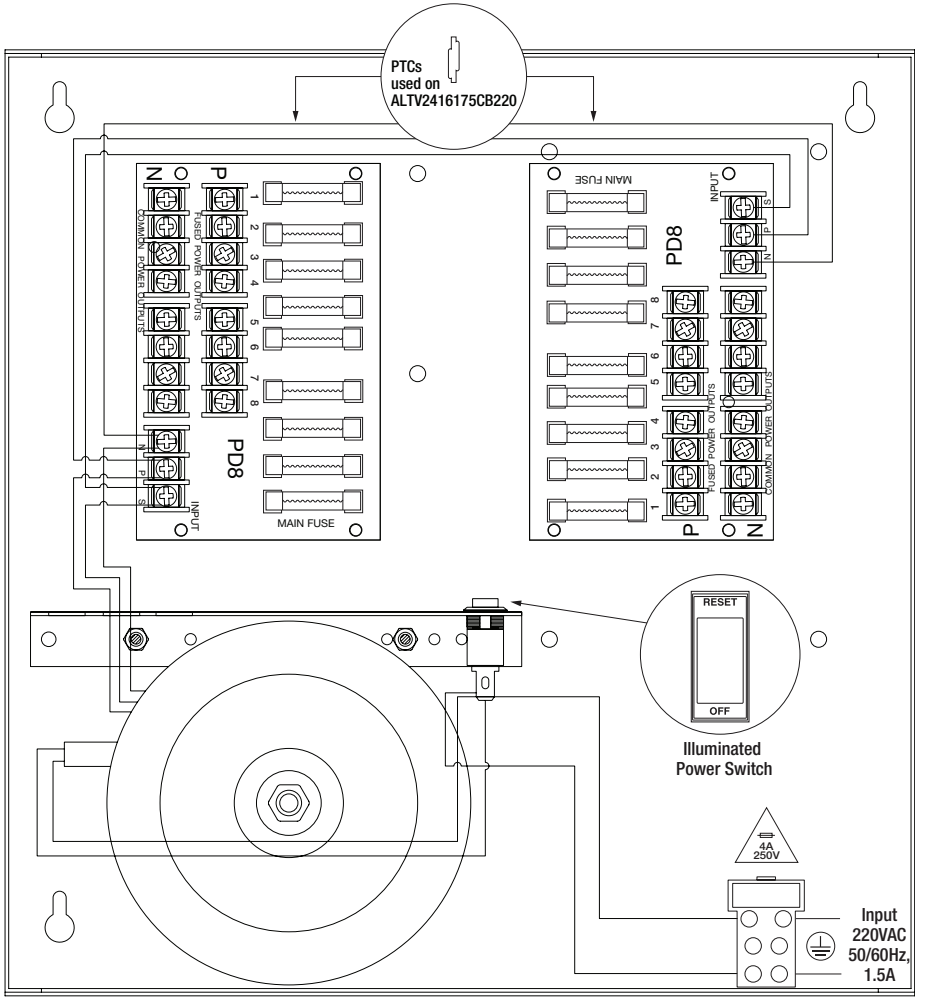


Fig. 3 - **ALTV2416350220 and ALTV2416350CB220**



Voltage Selection Configuration

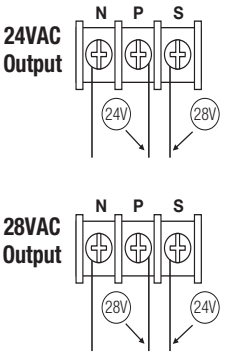
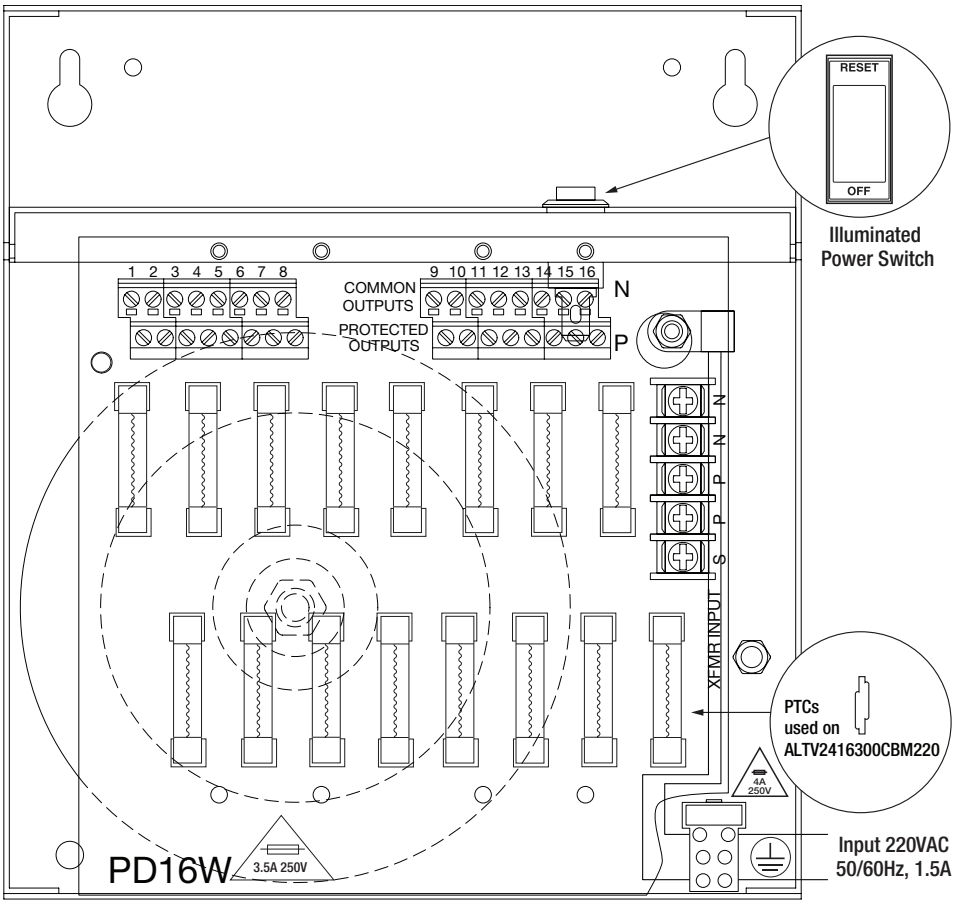


Fig. 4 - **ALTV2416300M220 and ALTV2416300CBM220**



Voltage Selection Configuration

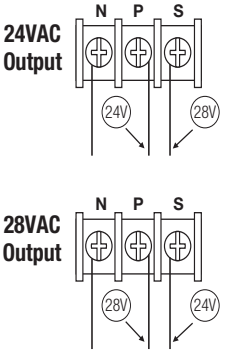
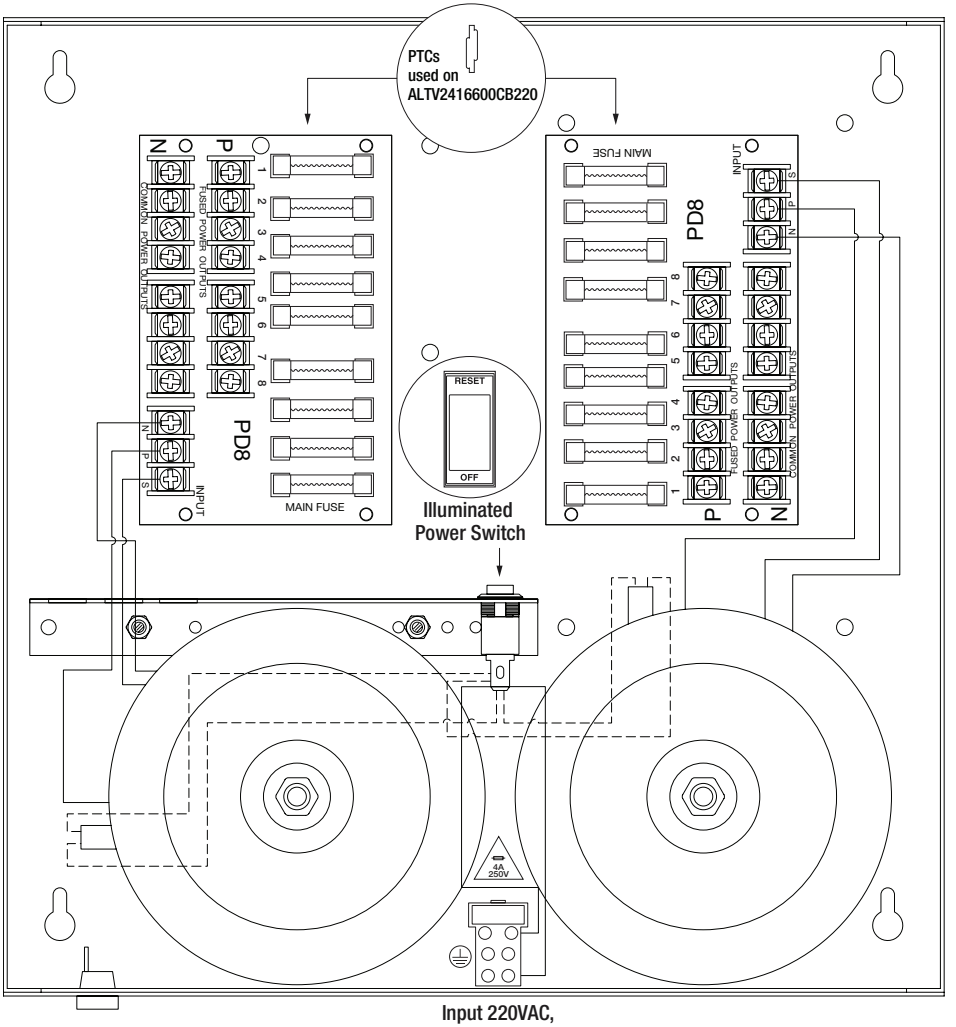
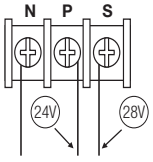


Fig. 5 - **ALTV2416600220 and ALTV2416600CB220**

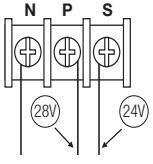


Voltage Selection Configuration

24VAC Output



28VAC Output



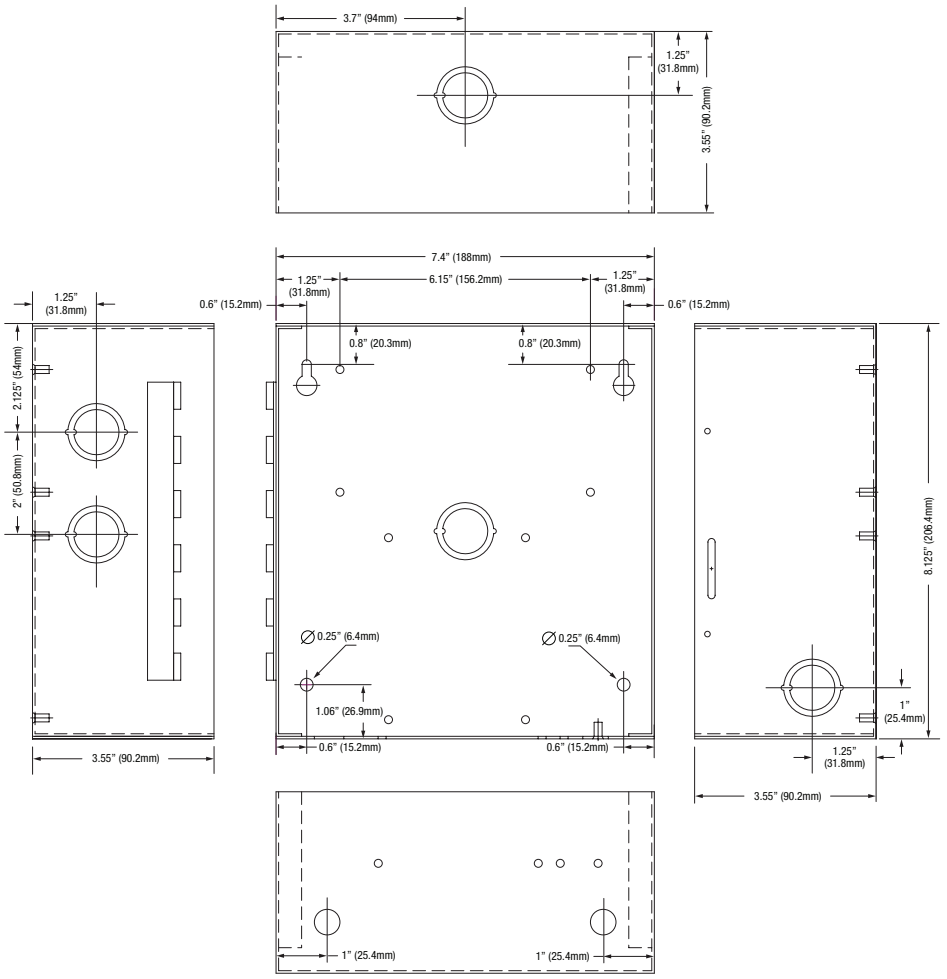
The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of an insulated DANGEROUS VOLTAGE within the product's enclosure that may be of sufficient magnitude to constitute an electric shock.

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.

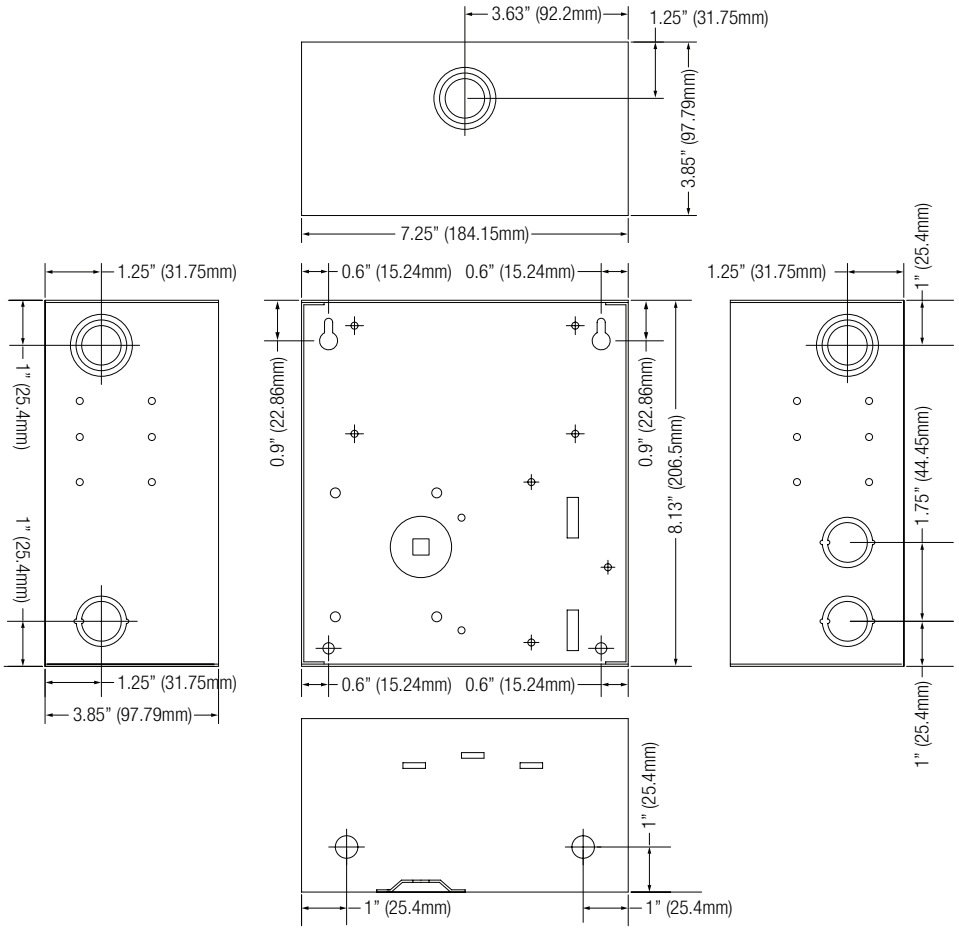
Enclosure Dimensions (H x W x D) **for:**
• ALTV2416220 • ALTV2416CB220

8.125” x 7.4” x 3.55” (206.4mm x 188mm x 90.2mm)

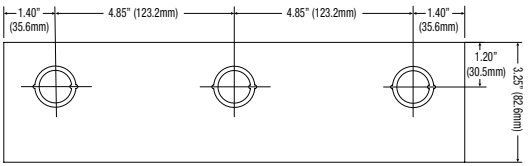
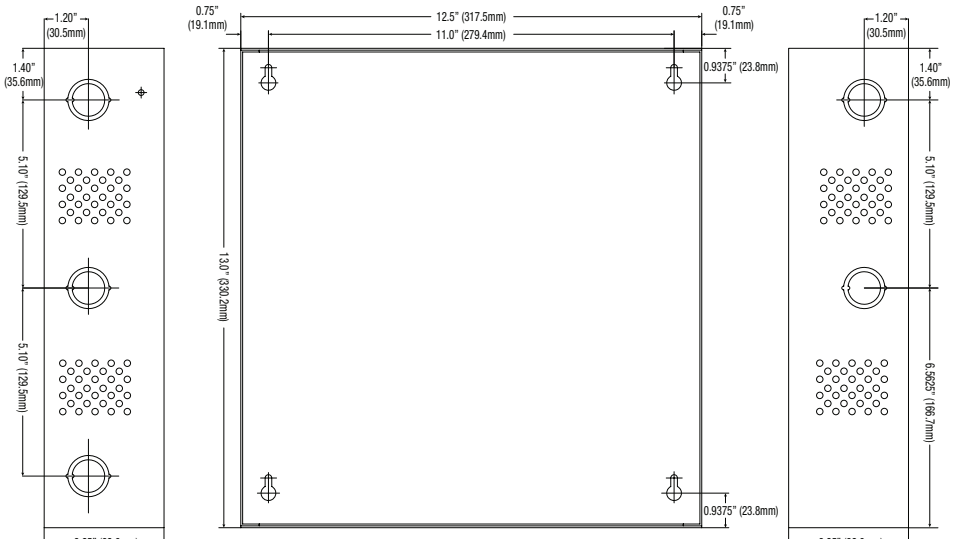
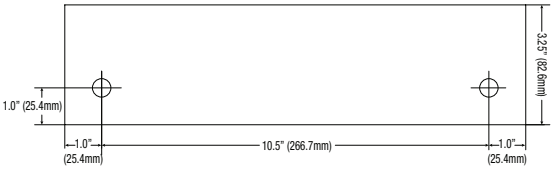


Enclosure Dimensions (H x W x D) **for:**
• ALTV2416300M220 • ALTV2416300CBM220

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



Enclosure Dimensions (H x W x D) for:

• ALTV2416350220 • ALTV2416350CB220 • ALTV2416600220 • ALTV2416600CB220
ALTV2416X220 • ALTV2416CBX220

13" x 12.5" x 3.25" (330.2mm x 317.5mm x 82.6mm)