



# ***ALTV244220 Series CCTV Power Supplies***

## ***Installation Guide***

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

- ***ALTV244220***
  - *24VAC @ 4 amp (100VA)  
or 28VAC @ 3.5 amp.*
  - *Four (4) Fuse Protected Outputs.*
- ***ALTV244CB220***
  - *24VAC @ 4 amp (100VA)  
or 28VAC @ 3.5 amp.*
  - *Four (4) PTC Protected Outputs.*
- ***ALTV244175220***
  - *24VAC @ 7.25 amp (175VA)  
or 28VAC @ 6.25 amp.*
  - *Four (4) Fuse Protected Outputs.*
- ***ALTV244175CB220***
  - *24VAC @ 7.25 amp (175VA)  
or 28VAC @ 6.25 amp.*
  - *Four (4) PTC Protected Outputs.*
- ***ALTV244300220***
  - *24VAC @ 12.5 amp (300VA).  
or 28VAC @ 10 amp.*
  - *Four (4) Fuse Protected Outputs.*
- ***ALTV244300CB220***
  - *24VAC @ 12.5 amp (300VA).  
or 28VAC @ 10 amp.*
  - *Four (4) PTC Protected Outputs.*



### Overview:

ALTV244220 Series CCTV Power Supplies provide 24VAC or 28VAC distributed via four (4) fuse or PTC protected outputs for powering CCTV Cameras, heaters and other video accessories.

### Four (4) Output ALTV244220 Reference Chart:

Altronix Model Number	Total Output Current (Power)	Output Voltage	Number of Outputs	PTC Protected Outputs	Fuse Protected Outputs	Output Current (max per output)	Main Fuse Ratings	220VAC 50/60Hz Input Current
ALTV244220	4 amp	24VAC	4	—	x	3.5 amp	5 amp/250V	0.5 amp
	3.5 amp	28VAC						
ALTV244CB220	4 amp	24VAC	4	x	—	2.5 amp	5 amp/250V	0.5 amp
	3.5 amp	28VAC						
ALTV244175220	7.25 amp	24VAC	4	—	x	3.5 amp	10 amp/250V	0.8 amp
	6.25 amp	28VAC						
ALTV244175CB220	7.25 amp	24VAC	4	x	—	2.5 amp	10 amp/250V	0.8 amp
	6.25 amp	28VAC						
ALTV244300220	14 amp	24VAC	4	—	x	3.5 amp	15 amp/32V	1.8 amp
	12 amp	28VAC						
ALTV244300CB220	14 amp	24VAC	4	x	—	2.5 amp	15 amp/32V	1.8 amp
	12 amp	28VAC						

### Specifications:

#### Agency Listing:

- CE Approved.

#### Input:

- 220VAC, 50/60Hz.

#### Output:

- Four (4) fuse protected outputs.
- 24VAC or 28VAC supply current.
- Outputs are rated @ 3.5 amp (fused) or 2.5 amp (PTC).
- Surge suppression.

#### Features:

- Secondary fuse rated @ 5 amp/250V.
  - AC power LED.
  - Power ON/OFF switch.
  - Spare fuses provided.
- (all models w/primary and/or secondary fuses).

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

**ALTV244220** and **ALTV244CB220**:  
8.5" x 7.5" x 3.5" (215.9mm x 190.5mm x 88.9mm).  
**ALTV244175220**, **ALTV244175CB220**,  
**ALTV244300220** and **ALTV244300CB220**:  
8.5" x 7.5" x 3.75" (215.9mm x 191mm x 95mm).

### 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. 6-7). Secure enclosure to earth ground.
2. Set main switch to the OFF position (*Fig. 1-4*, pgs. 4-5).
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 red flying leads of the transformer (*Fig. 1-4*, pgs. 4-5).  
**Units with linecord installed skip Instruction #4.**  
Use 18 AWG or larger for all power connections (AC output).
5. Set main switch to the "RESET" (ON) position (*Fig. 1-4*, pgs. 4-5).
6. 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.**

7. Set main switch to the OFF position (*Fig. 1-4, pgs. 4-5*).
8. Connect devices to terminals marked [1P - 1N through 4P - 4N] on PD4/PD4CB board, carefully observing correct polarity (*Fig. 1-4, pgs. 4-5*).
9. Set main switch to the “RESET” (ON) position (*Fig. 1-4, pgs. 4-5*).
10. Green LED will illuminate when unit is powered.
11. 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/PD4CB - Distribution Module**

Terminal Legend	Function/Description
1P - 4P	Positive AC output.
1N - 4N	Negative AC output.



The lightning flash with arrow head 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.



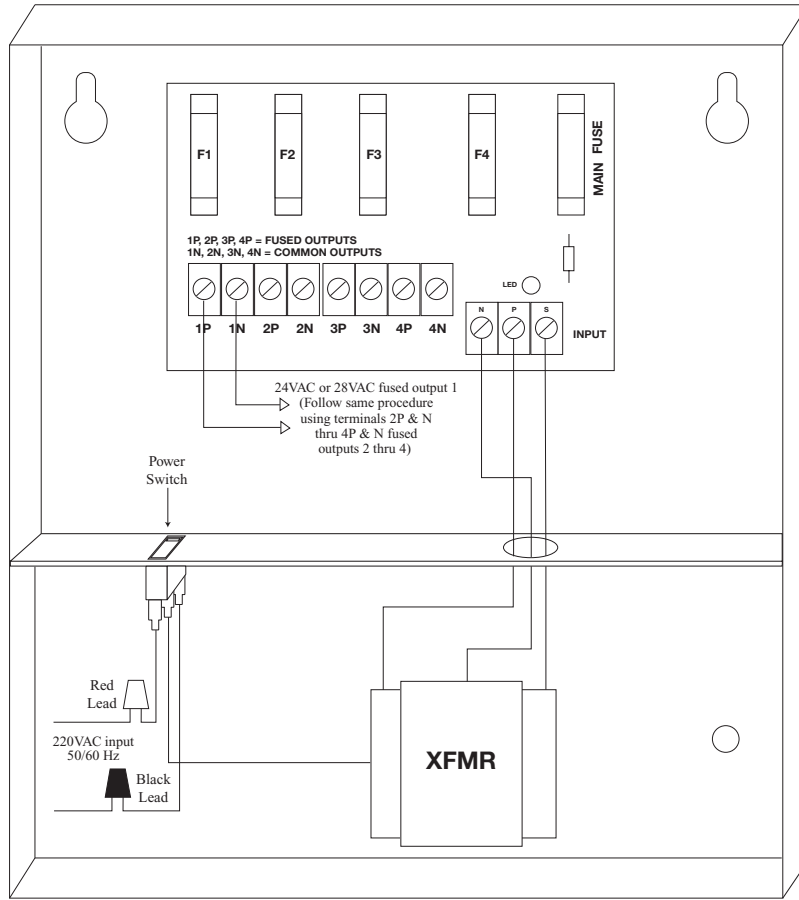
**CAUTION**  
**RISK OF ELECTRIC SHOCK**  
**DO NOT OPEN**



**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

**ALTV244220**  
**ALTV244175220**



**Voltage Selection Configuration**

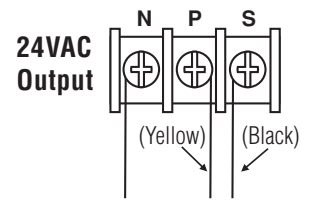


Fig. 2

**ALTV244CB220**  
**ALTV244175CB220**

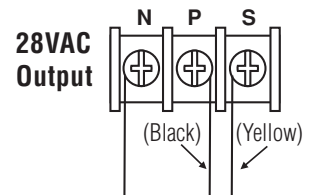
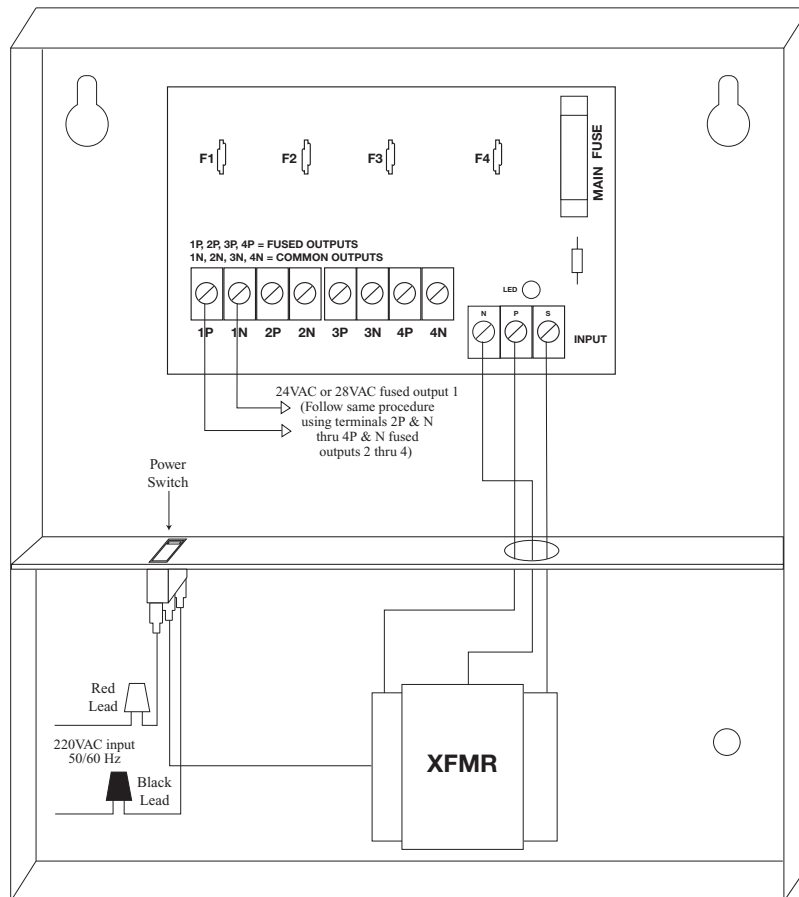
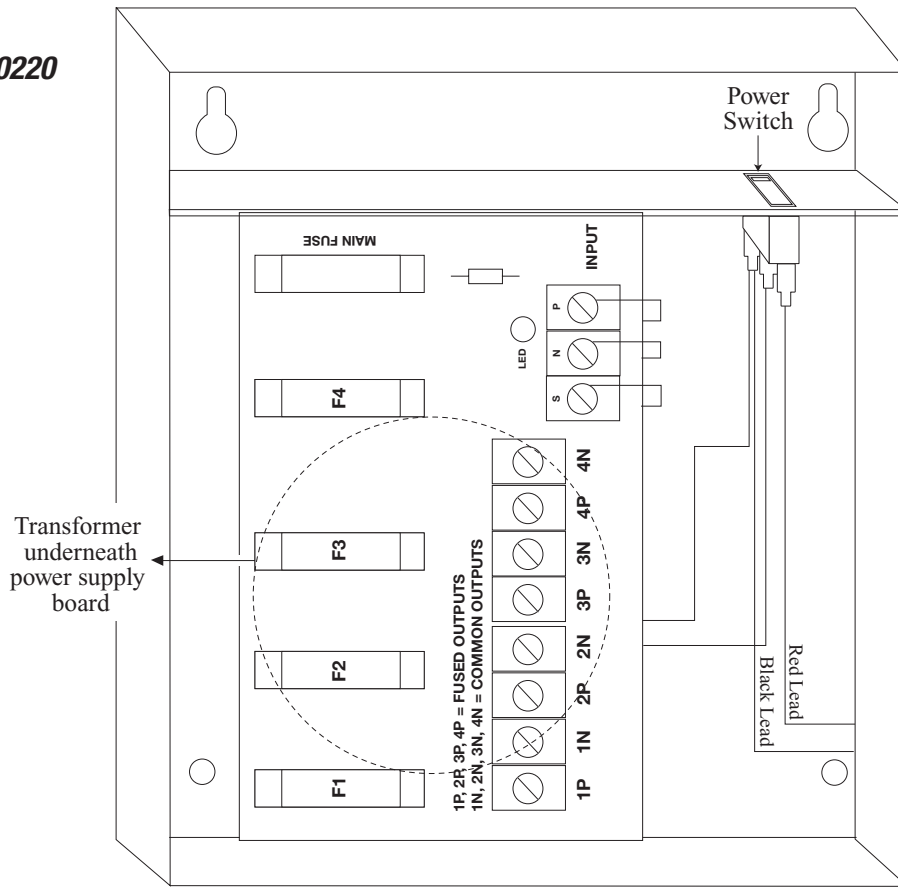


Fig. 3

ALTV244300220



**Voltage Selection Configuration**

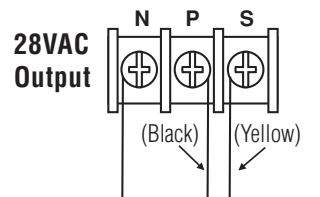
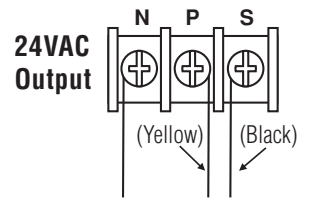
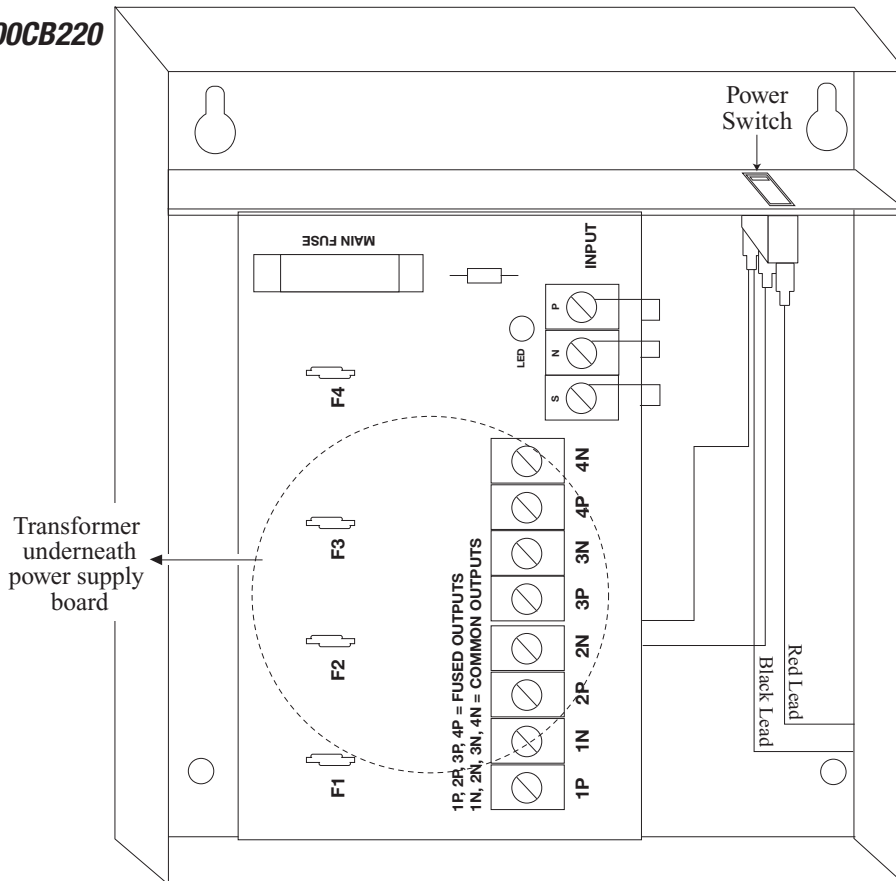


Fig. 4

ALTV244300CB220

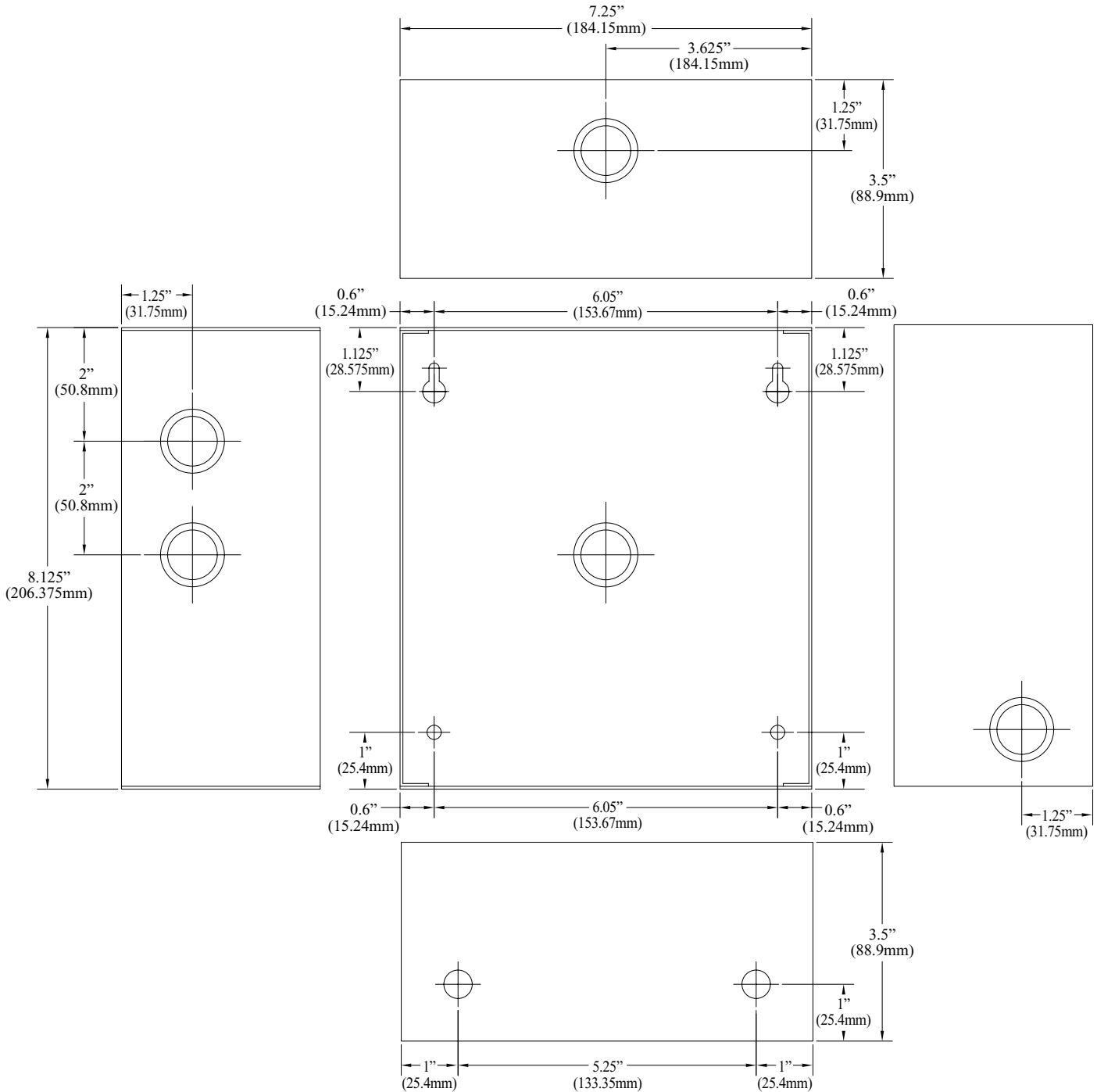


**Enclosure Dimensions for:**

• ALTV244220

• ALTV244CB220

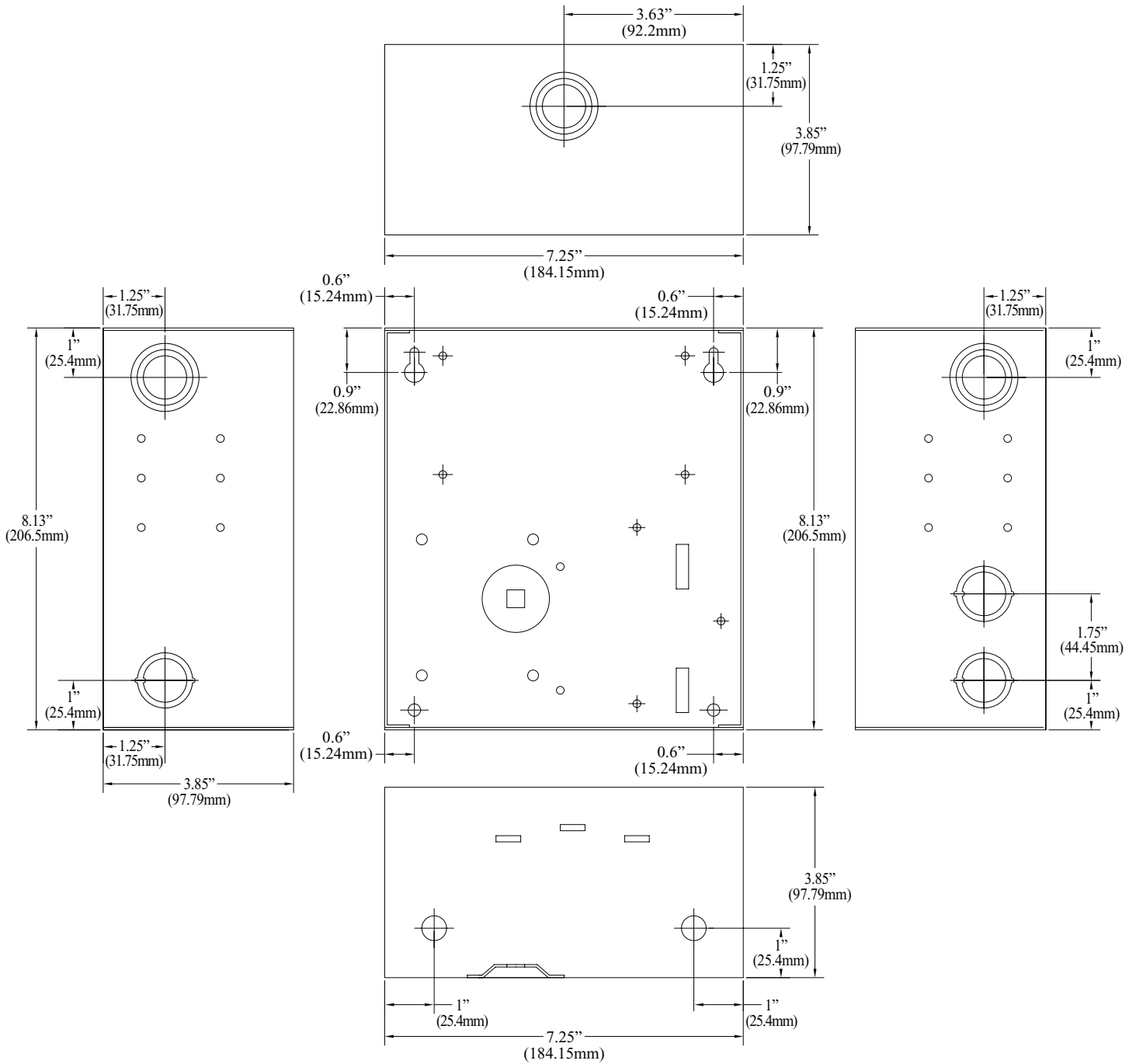
8.5" x 7.5" x 3.5" (215.9mm x 190.5mm x 88.9mm)



**Enclosure Dimensions for:**

- ALTV244175220
- ALTV244175B220
- ALTV244300220
- ALTV244300CB220

8.5" x 7.5" x 3.75" (215.9mm x 191mm x 95mm).



## **Notes:**

Altronix is not responsible for any typographical errors.

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**MEMBER**

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