



Altronix[®]

ALTV244 Series CCTV Power Supplies

Installation Guide

Models Include:

- ***ALTV244***
 - *24VAC @ 4 amp (100VA)
or 28VAC @ 3.5 amp.*
 - *Four (4) Fuse Protected Outputs.*
- ***ALTV244175***
 - *24VAC @ 7.25 amp (175VA)
or 28VAC @ 6.25 amp.*
 - *Four (4) Fuse Protected Outputs.*
- ***ALTV244300***
 - *24VAC @ 12.5 amp (300VA).
or 28VAC @ 10 amp.*
 - *Four (4) Fuse Protected Outputs.*
- ***ALTV244CB***
 - *24VAC @ 4 amp (100VA)
or 28VAC @ 3.5 amp.*
 - *Four (4) PTC Protected Outputs.*
- ***ALTV244175CB***
 - *24VAC @ 7.25 amp (175VA)
or 28VAC @ 6.25 amp.*
 - *Four (4) PTC Protected Outputs.*
- ***ALTV244300CB***
 - *24VAC @ 12.5 amp (300VA).
or 28VAC @ 10 amp.*
 - *Four (4) PTC Protected Outputs.*

Overview:

These Altronix 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 ALTV244 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	115VAC 50/60Hz Input Current
ALTV244	4 amp	24VAC	4	-	x	3.5 amp	5 amp/250V	.9 amp
	3.5 amp	28VAC						
ALTV244CB	4 amp	24VAC	4	x	-	2.5 amp	5 amp/250V	.9 amp
	3.5 amp	28VAC						
ALTV244175	7.25 amp	24VAC	4	-	x	3.5 amp	10 amp/250V	1.5 amp
	6.25 amp	28VAC						
ALTV244175CB	7.25 amp	24VAC	4	x	-	2.5 amp	10 amp/250V	1.5 amp
	6.25 amp	28VAC						
ALTV244300	12.5 amp	24VAC	4	-	x	3.5 amp	15 amp/32V	2.7 amp
	10 amp	28VAC						
ALTV244300CB	12.5 amp	24VAC	4	x	-	2.5 amp	15 amp/32V	2.7 amp
	10 amp	28VAC						

Specifications:

- Power ON/OFF switch (ALTV244/CB).
- Illuminated power disconnect circuit breaker with manual reset (ALTV244175/CB and ALTV244300/CB).
- Surge suppression.
- AC power LED indicator.
- Unit maintains camera synchronization.
- Ease of installation saves time & eliminates costly labor.
- Spare fuses included (on fuse protected models).

Enclosure Dimensions:

ALTV244 and ALTV244CB: 8.5”H x 7.5”W x 3.5”D
 ALTV244175, ALTV244175CB, ALTV244300
 and ALTV244300CB: 8.5”H x 7.5”W x 3.75”D

Installation Instructions:

1. Mount unit in desired location.
2. Slide switch SW1 to OFF position (Models ALTV244 and ALTV244CB), (Fig. 1, pg. 3).
Turn main switch on all other models to the OFF position.
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 lead of the transformer (Fig. 1, pg. 3).
Use 18 AWG or larger for all power connections (Battery, AC output).
5. Measure output voltage before connecting devices. This helps avoid potential damage.
CAUTION: Determine the maximum operating voltage of the equipment being powered before adjusting the output voltage.
6. Connect devices to terminals marked [1P - 1N through 4P - 4N] on PD4/PD4CB board carefully observing correct polarity (Fig. 1, pg. 3).

7. Slide switch SW1 to ON position (Models ALTV244 and ALTV244CB), (Fig. 1, pg. 3).

Turn main switch on all other models to the “RESET” (ON) position.

8. Green LED will illuminate when unit is powered.

9. 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 all local codes and in accordance with the National Electrical Code.

Terminal Identification:

PD4/PD4CB - Distribution Module

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 products 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.

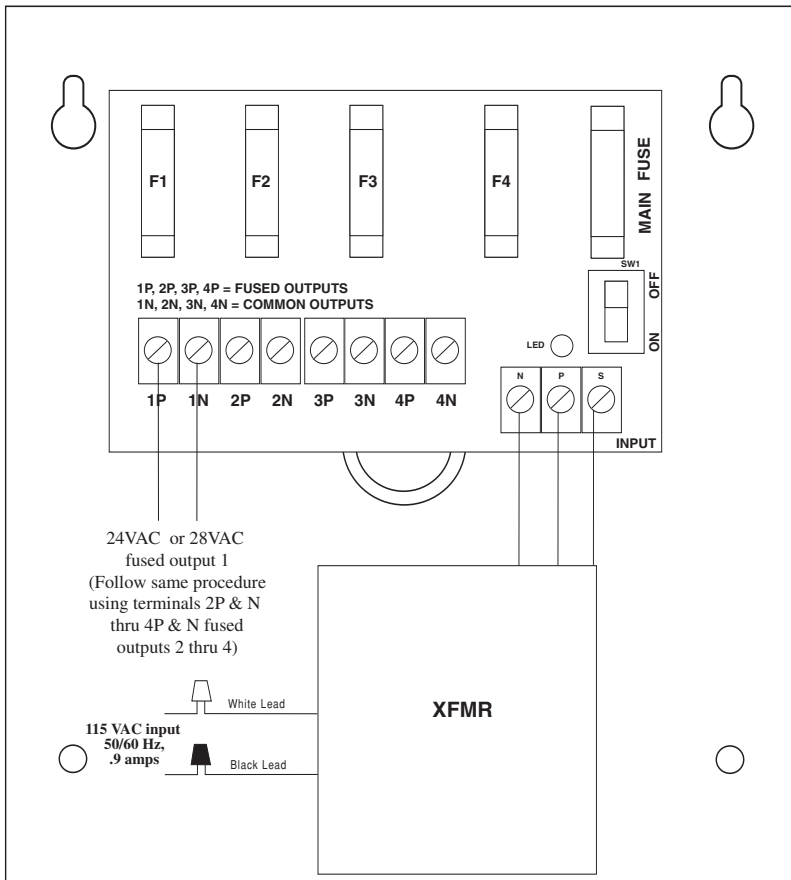


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

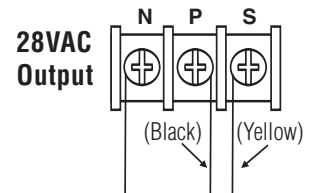
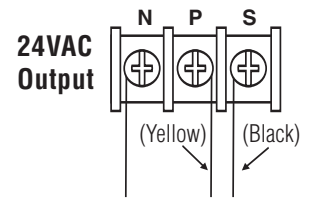


CAUTION: To reduce the risk of electric shock do not open enclosure. There are no user serviceable parts inside. Refer servicing to qualified service personnel.

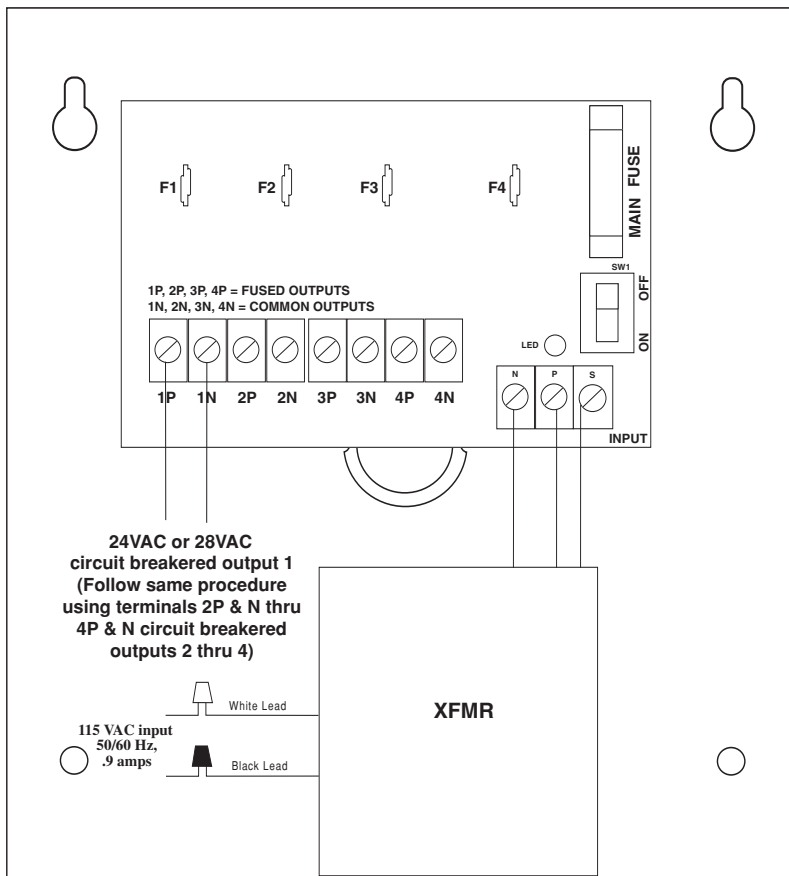
ALTV244



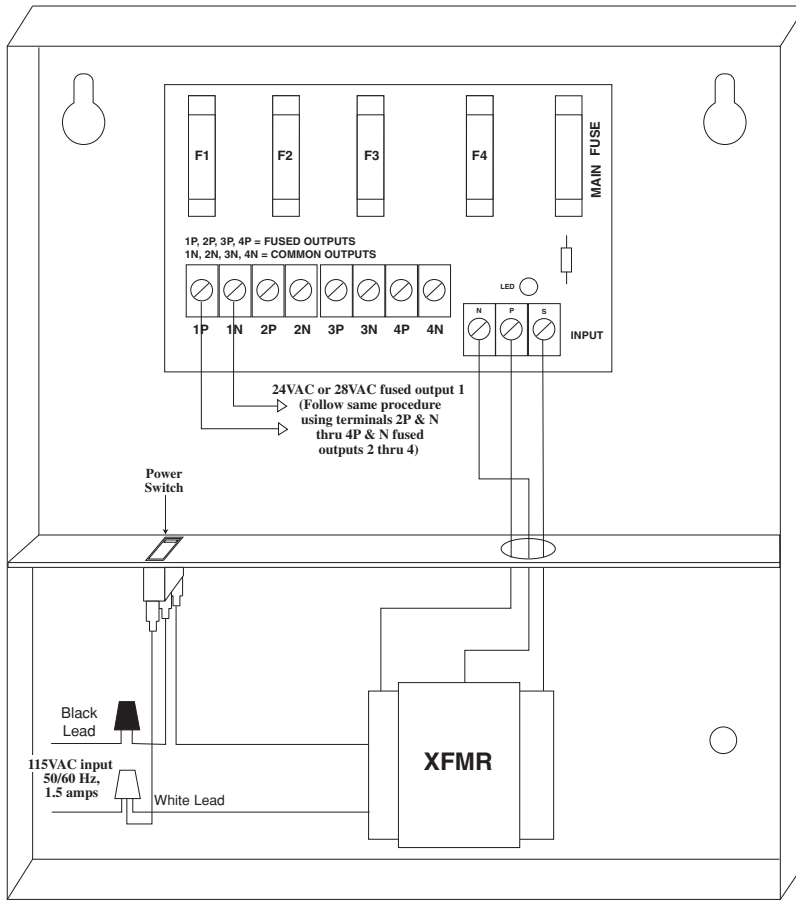
Voltage Selection Configuration



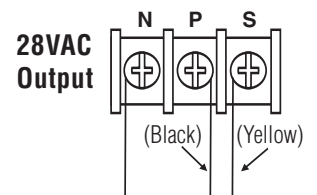
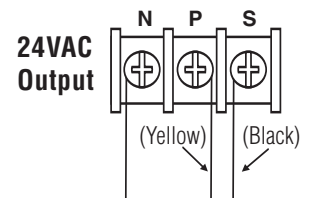
ALTV244CB



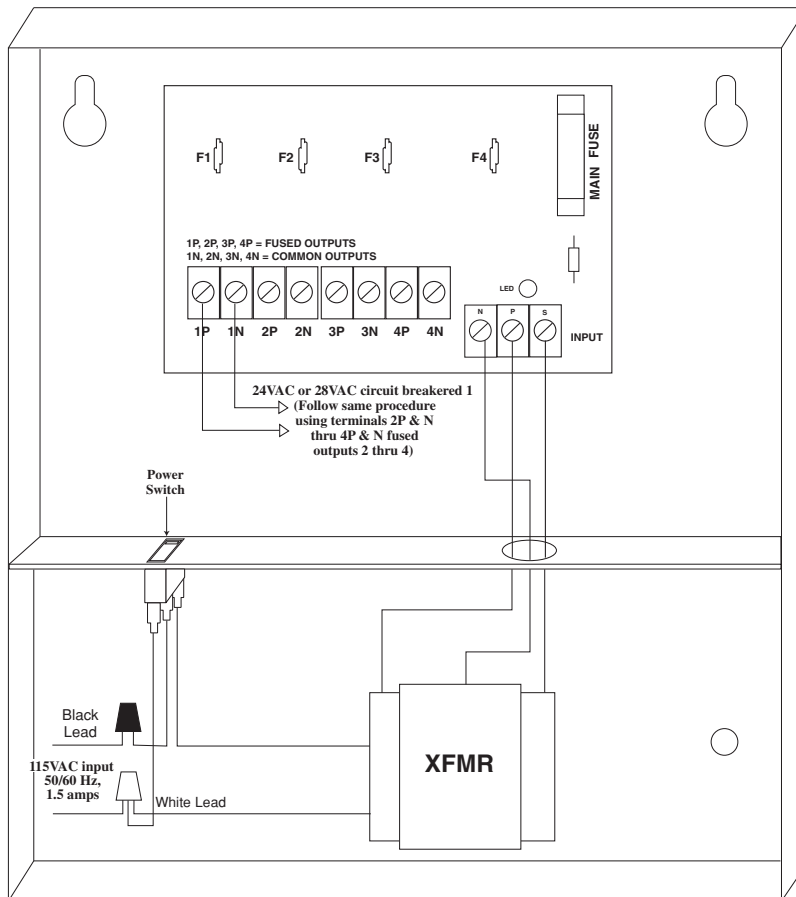
ALTV244175



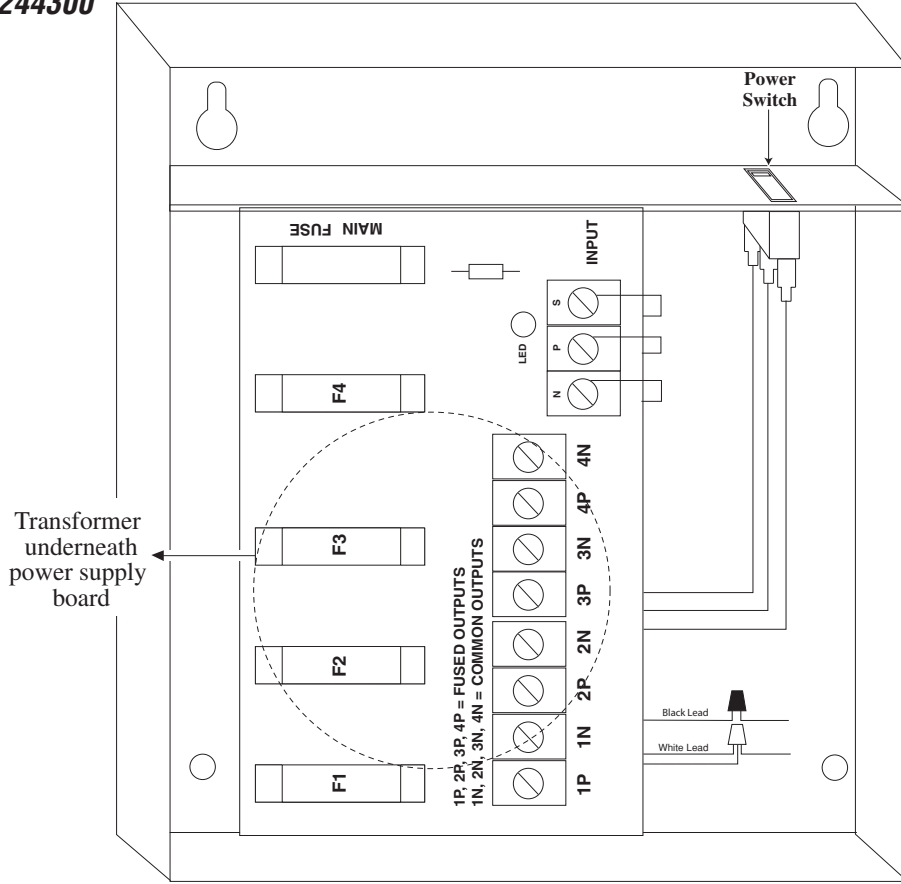
Voltage Selection Configuration



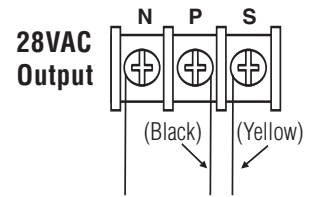
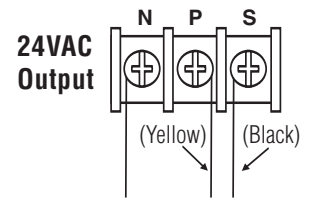
ALTV244175CB



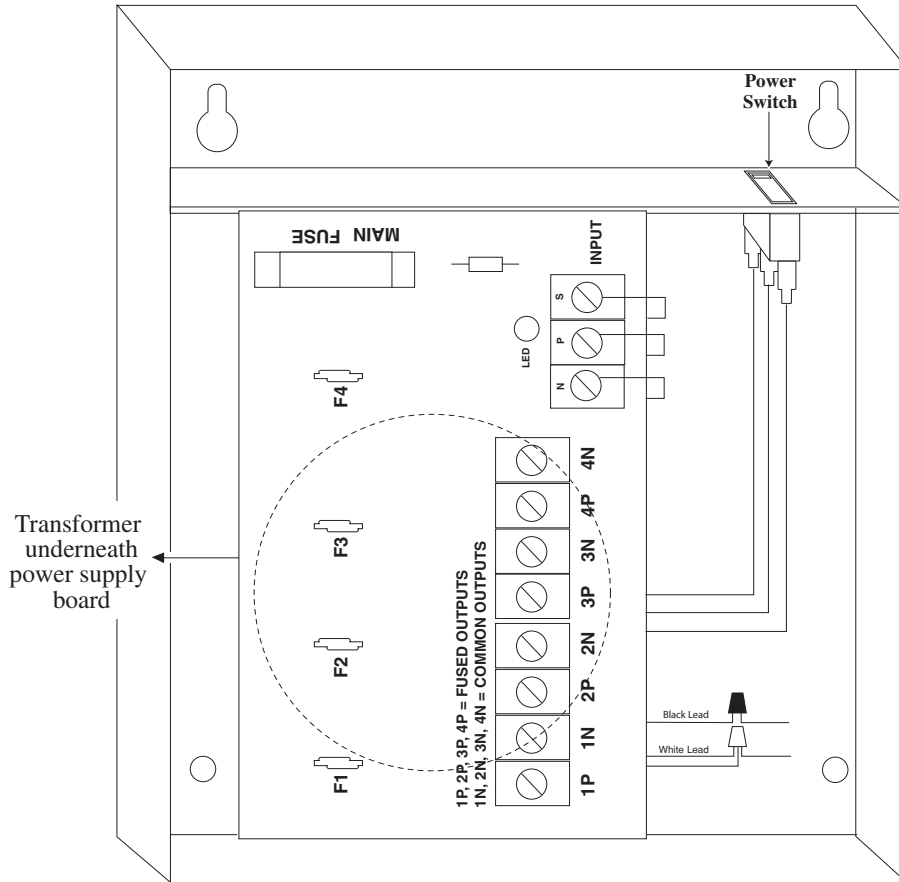
ALTV244300



Voltage Selection Configuration



ALTV244300CB

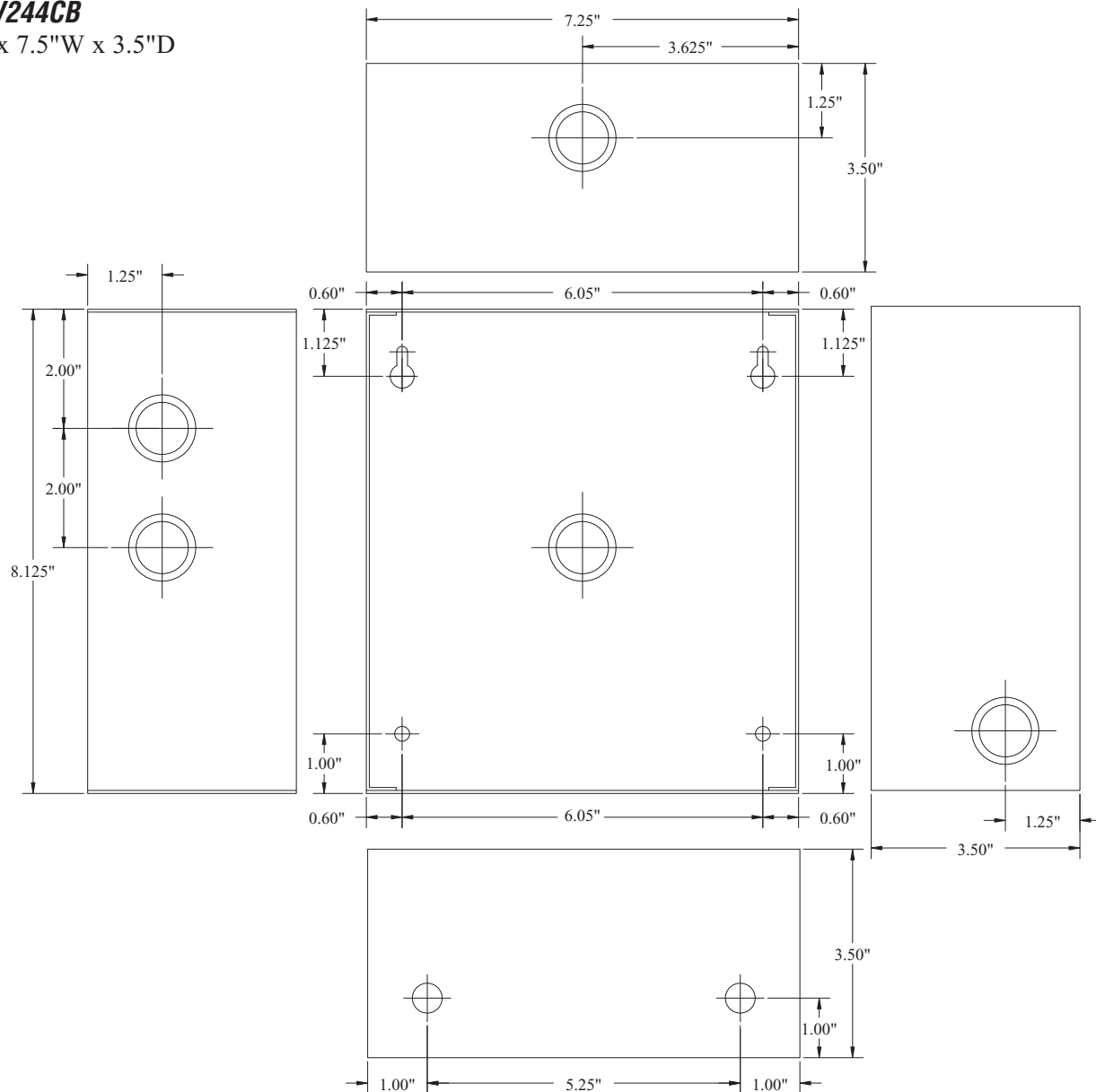


Enclosure Dimensions for:

• **ALTV244**

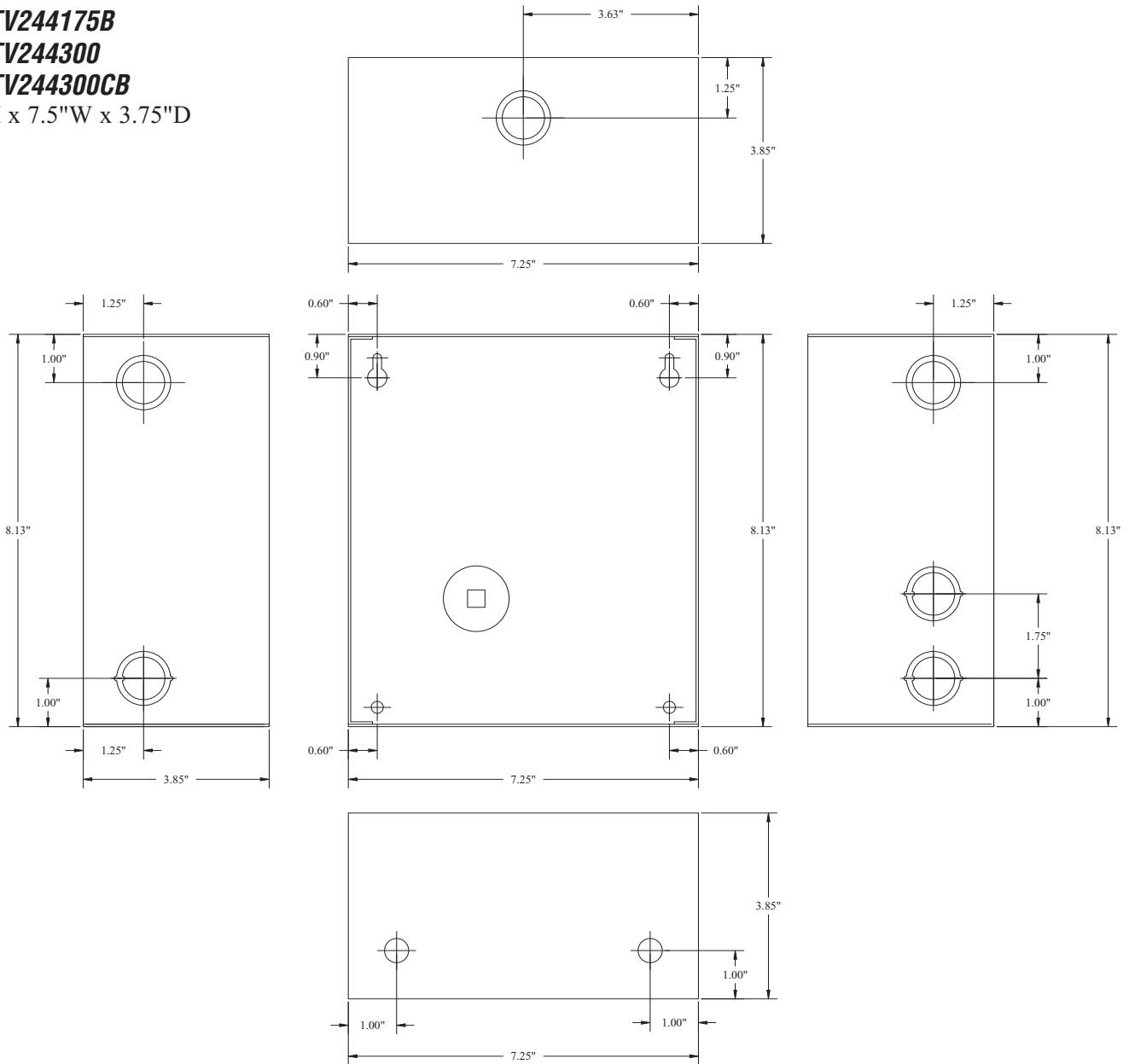
• **ALTV244CB**

8.5"H x 7.5"W x 3.5"D



Enclosure Dimensions for:

- **ALTV244175**
 - **ALTV244175B**
 - **ALTV244300**
 - **ALTV244300CB**
- 8.5"H x 7.5"W x 3.75"D



Altronix is not responsible for any typographical errors.

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