



ALTV2416220 Series CCTV Power Supplies

Installation Guide

Models Include:

- **ALTV2416220**
 - 24VAC @ 8 amp (200VA).
 - Sixteen (16) Fuse Protected Outputs.
- **ALTV2416350220**
 - 24VAC @ 14 amp (350VA)
or 28VAC @ 12.5 amp (350VA).
 - Sixteen (16) Fuse Protected Outputs.
- **ALTV2416300M220**
 - 24VAC @ 12.5 amp (300VA)
or 28VAC @ 10.5 amp (300VA).
 - Sixteen (16) Fuse Protected Outputs.
- **ALTV2416600220**
 - 24VAC @ 28 amp (700VA)
or 28VAC @ 25 amp (700VA).
 - Sixteen (16) Fuse Protected Outputs.
- **ALTV2416CB220**
 - 24VAC @ 8 amp (200VA).
 - Sixteen (16) PTC Protected Outputs.
- **ALTV2416350220CB**
 - 24VAC @ 14 amp (350VA)
or 28VAC @ 12.5 amp (350VA).
 - Sixteen (16) PTC Protected Outputs.
- **ALTV2416300CBM220**
 - 24VAC @ 12.5 amp (300VA)
or 28VAC @ 10.5 amp (300VA).
 - Sixteen (16) PTC Protected Outputs.
- **ALTV2416600CB220**
 - 24VAC @ 28 amp (700VA)
or 28VAC @ 25 amp (700VA).
 - Sixteen (16) PTC Protected Outputs.

Overview:

These Altronix CCTV Power Supplies provide 24VAC/28VAC (ALTV2416 and ALTV2416CB is 24VAC only) 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	<i>Output Voltage</i>	<i>Total Output Current (Power)</i>	<i>Number of Outputs</i>	<i>PTC Protected Outputs</i>	<i>Fuse Protected Outputs</i>	<i>Output Current (max per output)</i>	<i>Main Fuse Ratings on Board</i>	<i>220VAC 50/60Hz Input Current</i>
ALTV2416220	24VAC	4 amp	16	-	x	3.5 amp	5 amp/250V	.5 amp
ALTV2416CB220	24VAC	4 amp	16	x	-	2.5 amp	-	.5 amp
ALTV2416350220	24VAC	14 amp	16	-	x	3.5 amp	-	1.5 amp
	28VAC	12.5 amp						
ALTV2416350CB220	24VAC	14 amp	16	x	-	2.5 amp	-	1.5 amp
	28VAC	12.5 amp						
ALTV2416300M220	24VAC	12.5 amp	16	-	x	3.5 amp	-	1.5 amp
	28VAC	10.5 amp						
ALTV2416300CBM220	24VAC	12.5 amp	16	x	-	2.5 amp	-	1.5 amp
	28VAC	10.5 amp						
ALTV2416600220	24VAC	28 amp	16	-	x	3.5 amp	-	3 amp
	28VAC	25 amp						
ALTV2416600CB220	24VAC	28 amp	16	x	-	2.5 amp	-	3 amp
	28VAC	25 amp						

Specifications:

- Surge suppression.
- AC power LED indicator.
- Power ON/OFF switch.
- Unit maintains camera synchronization.
- Ease of installation saves time & eliminates costly labor.
- Spare fuses included (on fuse protected models).

Enclosure Dimensions:

ALTV2416220, ALTV2416CB220, ALTV2416300M220, and ALTV2416300CBM220:

8.5"H x 7.5"W x 3.5"D

ALTV2416350220, ALTV2416350CB220, ALTV2416600220 and ALTV2416600CB220:

13"H x 13.5"W x 3.5"D

Installation Instructions:

1. Mount unit in desired location.
2. Slide switch on PD board to OFF position for models ALTV2416220 and ALTV2416CB220 (*Fig. 1, pg. 4*).
Turn OFF main switch on all other models (*Figs. 2-4, pgs. 4-6*).
3. All units are factory set for 24VAC operation.
For 28VAC operation (for models with 24VAC/28VAC option only), 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. 1-4, pgs. 4-6*).
Use 18 AWG or larger for all power connections.
5. Measure output voltage before connecting devices. This helps avoid 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.
6. Connect devices to terminals marked [1P - 1N through 8P - 8N] on PD8/PD8CB board (*Fig. 1, pgs. 4*), carefully observing polarity.
7. Slide switch on PD board to ON position for models ALTV2416220, and ALTV2416CB220 (*Fig. 1, pg. 4*).
Turn main switch on all other models to the “RESET” (ON) position (*Figs. 3-5, pgs. 5-6*).
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:

PD8/PD8CB - Power Distribution Module

1P - 8P	Positive AC output.
1N - 8N	Negative AC output.

Fig. 1 - ALTV2416220 • ALTV2416CB220

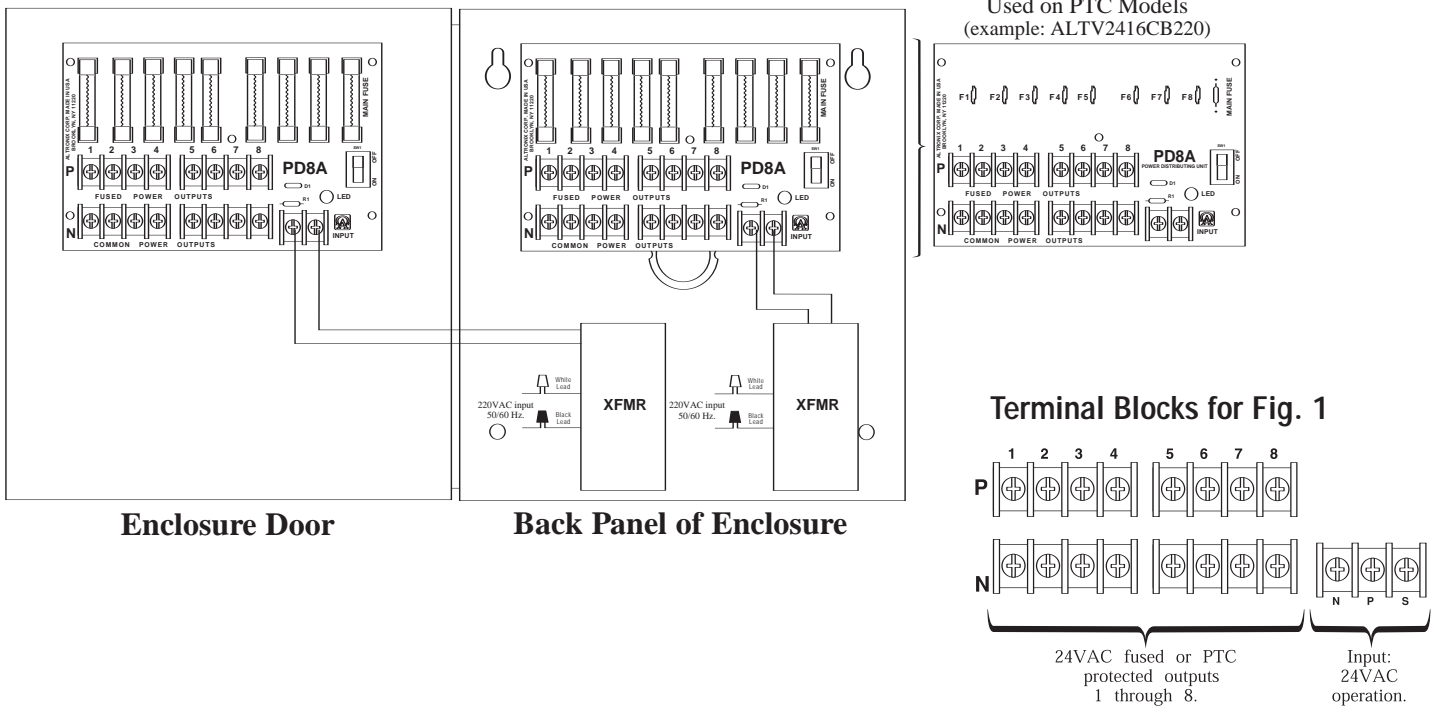


Fig. 2
ALTV2416350220 • ALTV2416350CB220

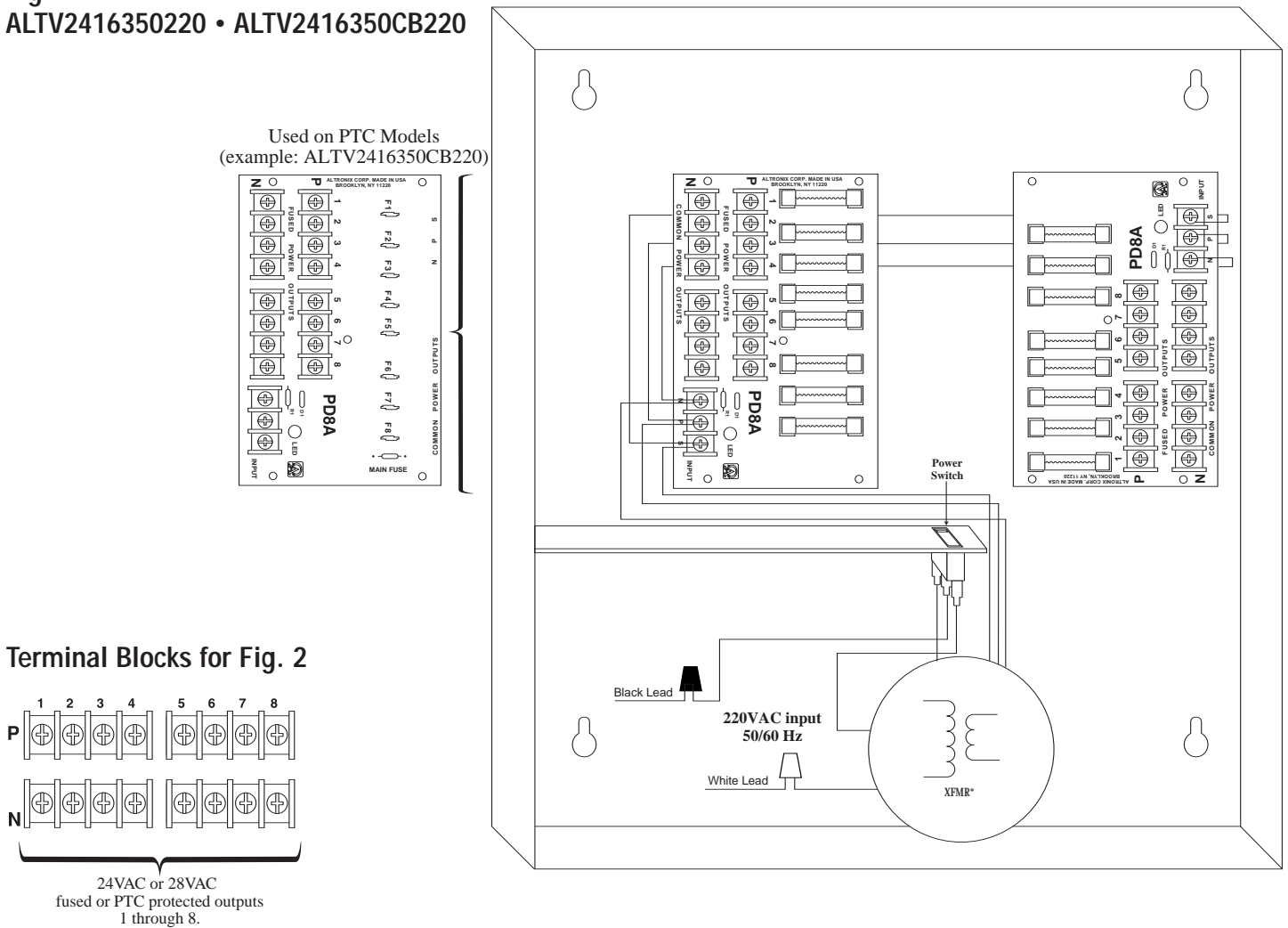
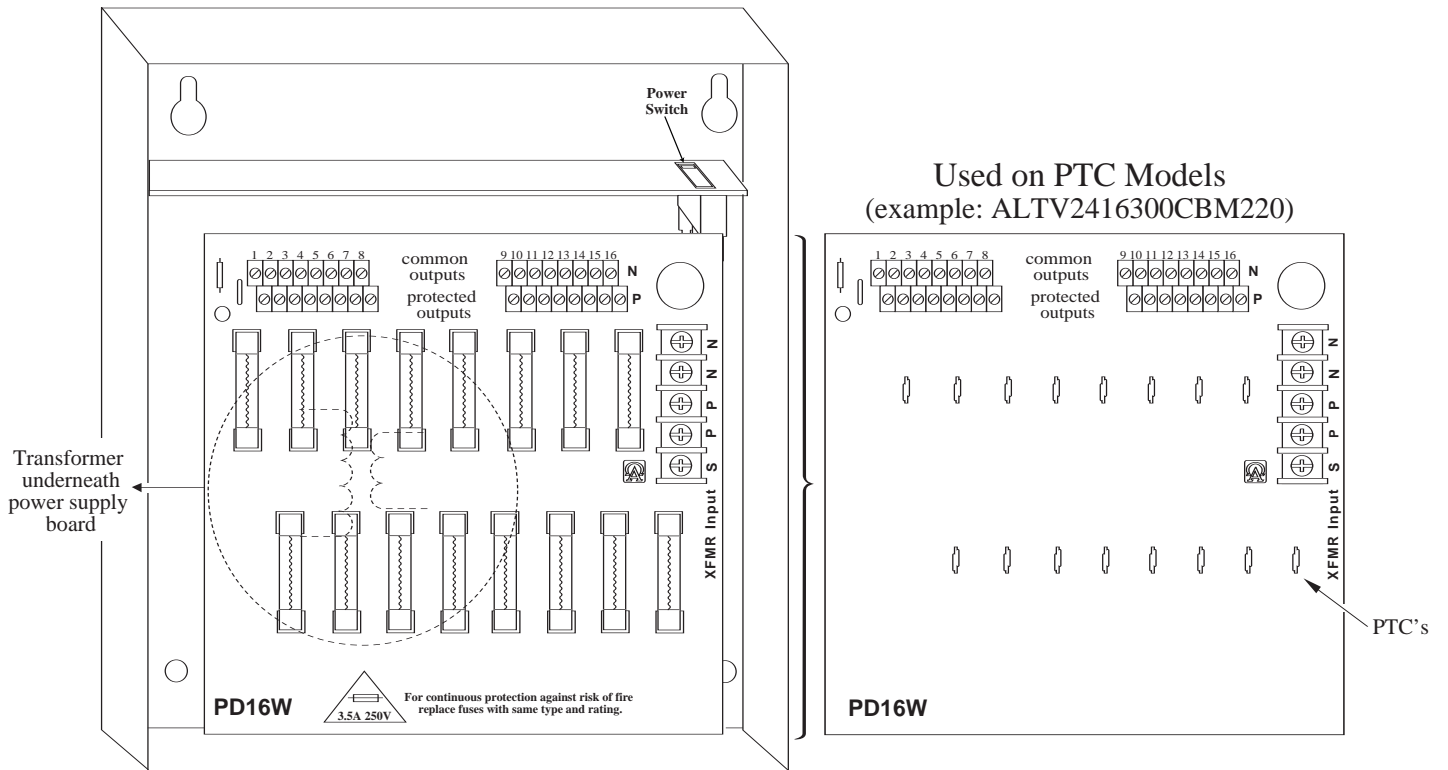


Fig. 3
ALTV2416300M220 • ALTV2416300CBM220



Terminal Blocks for Fig. 3

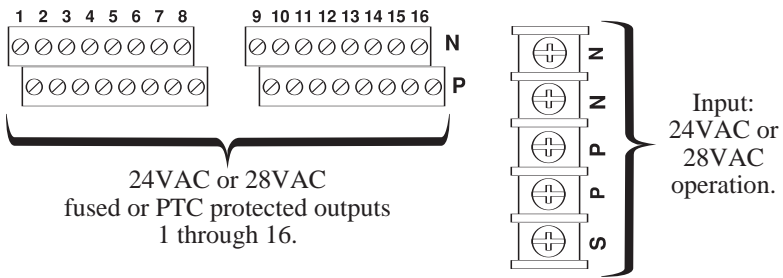
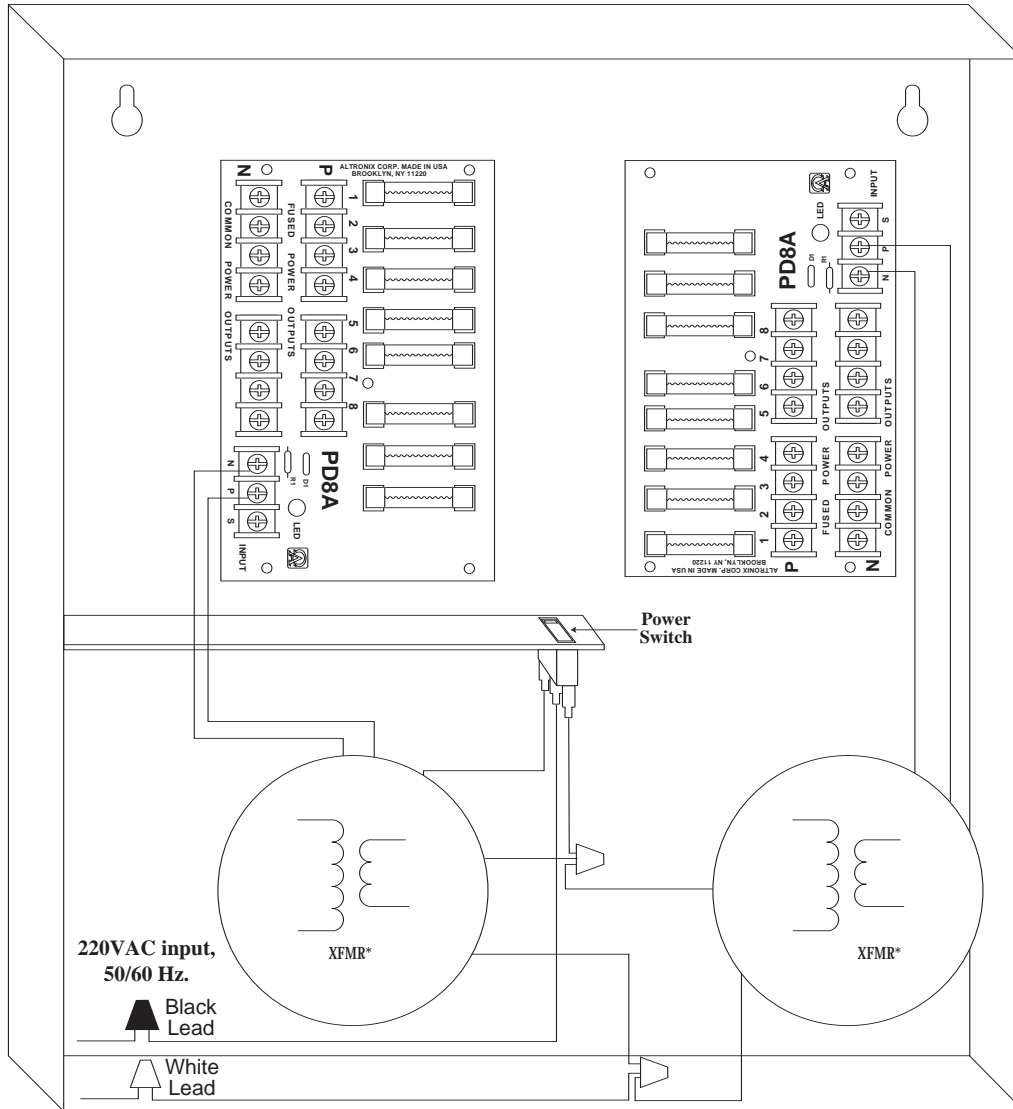
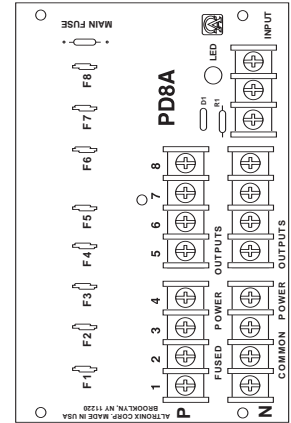


Fig. 4
ALTV2416600220 • ALTV2416600CB220



Used on PTC Models
 (example: ALTV2416600CB220)

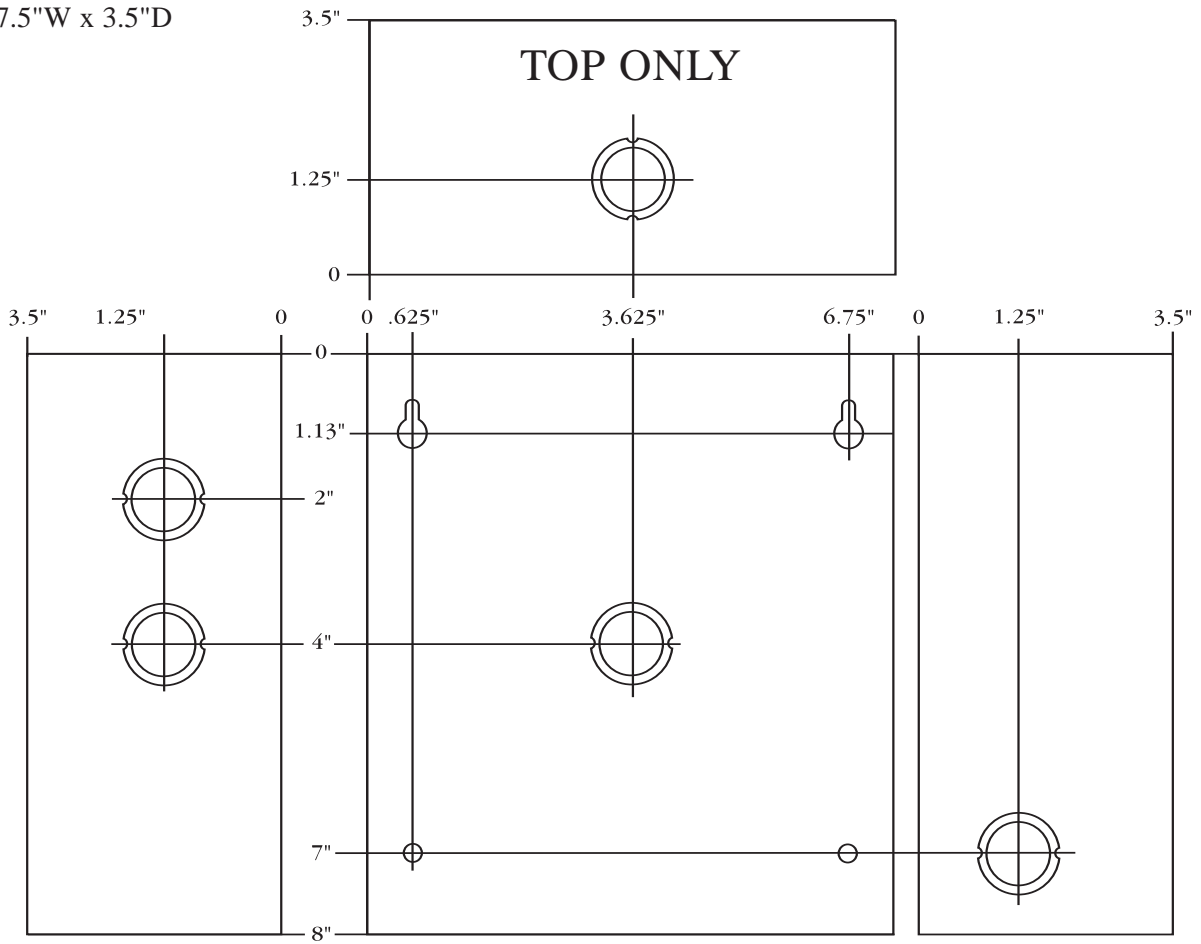


Terminal Blocks for Fig. 4

Enclosure Dimensions for:

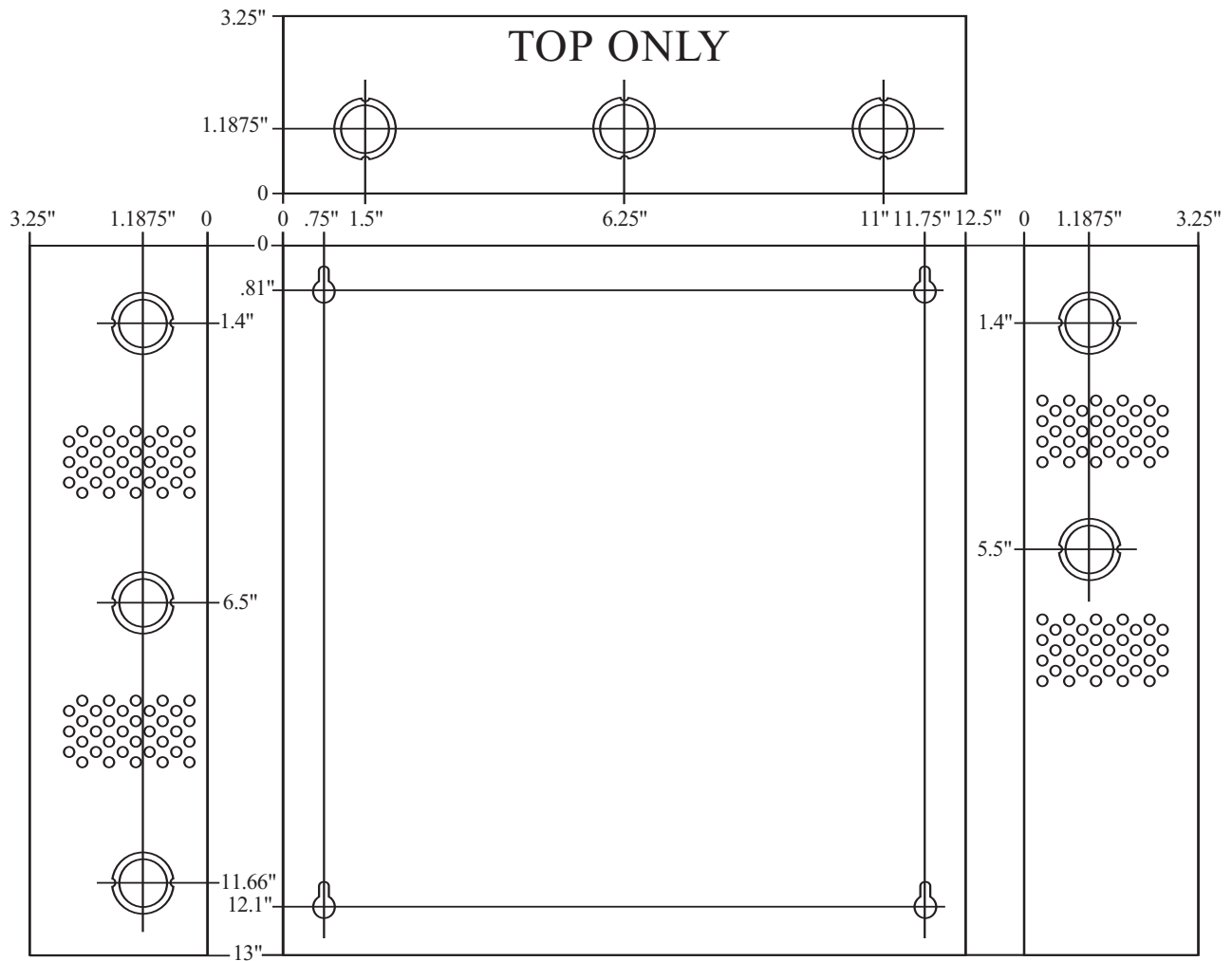
- ALTV2416220
- ALTV2416CB220
- ALTV2416300M220
- ALTV2416300CBM220

8.5"H x 7.5"W x 3.5"D



Enclosure Dimensions for:

- ALTV2416350220
 - ALTV2416350CB220
 - ALTV2416600220
 - ALTV2416600CB220
- 13"H x 13.5"W x 3.5"D



Altronix is not responsible for any typographical errors.

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 IIIALTV2416220Series C31D

