



Altronix®

TVDC220 Series CCTV Power Supplies

Installation Guide

Models Include:

- ***TVDC416220***
 - ***6-15VDC @ 4 amp***
 - ***Sixteen (16) Fuse Protected Outputs.***
- ***TVDC416CB220***
 - ***6-15VDC @ 4 amp***
 - ***Sixteen (16) PTC Protected Outputs.***
- ***TVDC616220***
 - ***6-15VDC @ 6 amp***
 - ***Sixteen (16) Fuse Protected Outputs.***
- ***TVDC616CB220***
 - ***6-15VDC @ 6 amp***
 - ***Sixteen (16) PTC Protected Outputs.***
- ***TVDC1016220***
 - ***6-15VDC @ 10 amp***
 - ***Sixteen (16) Fuse Protected Outputs.***
- ***TVDC1016CB220***
 - ***6-15VDC @ 10 amp***
 - ***Sixteen (16) PTC Protected Outputs.***

Overview:

These Altronix DC CCTV Power Supplies provide 6-15VDC distributed via sixteen (16) fuse or PTC protected outputs for powering CCTV Cameras, heaters and other video accessories.

Sixteen (16) Output TVDC220 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)	220VAC 50/60Hz Input Current
TVDC416220	4 amp	6-15VDC	16	-	x	3.5 amp	.45 amp
TVDC416CB220	4 amp	6-15VDC	16	x	-	2.5 amp	.45 amp
TVDC616220	6 amp	6-15VDC	16	-	x	3.5 amp	.75 amp
TVDC616CB220	6 amp	6-15VDC	16	x	-	2.5 amp	.75 amp
TVDC1016220	10 amp	6-15VDC	16	-	x	3.5 amp	.95 amp
TVDC1016CB220	10 amp	6-15VDC	16	x	-	2.5 amp	.95 amp

Specifications:

- Sixteen (16) individual outputs.
- Filtered and electronically regulated outputs.
- Short circuit and thermal overload protection.
- Unit maintains camera synchronization.
- Ease of installation saves time & eliminates costly labor.
- Spare fuses included (on fuse protected models).

Enclosure Dimensions:

15.5”H x 12”W x 4.5”D

Installation Instructions:

1. Mount unit in desired location.
2. Connect AC power to the two black and two white flying leads of the transformer (Fig. 1, pg. 3). Use 18 AWG or larger for all power connections (Battery, DC output).
Keep power limited wiring separate from non-power limited wiring (220VAC 50/60Hz Input, Battery Wires). Minimum .25” spacing must be provided. Use separate knockouts.
3. Adjust output voltage using trimpot on the power supply board prior to connecting CCTV devices.
4. Measure output voltage before connecting devices. This helps avoid potential damage.
 Terminals marked [1P - 8P] are positive (+) and terminals marked [1N - 8N] are negative.
CAUTION: Determine the maximum operating voltage of the equipment being powered before adjusting the output voltage.
5. Connect devices to terminals marked [1P - 1N through 8P - 8N] on PD8UL/PD8ULCB board (Fig. 1, pg. 3) carefully observing correct polarity.
6. Green LED will illuminate when unit is powered.
7. 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:

Power Supply Board

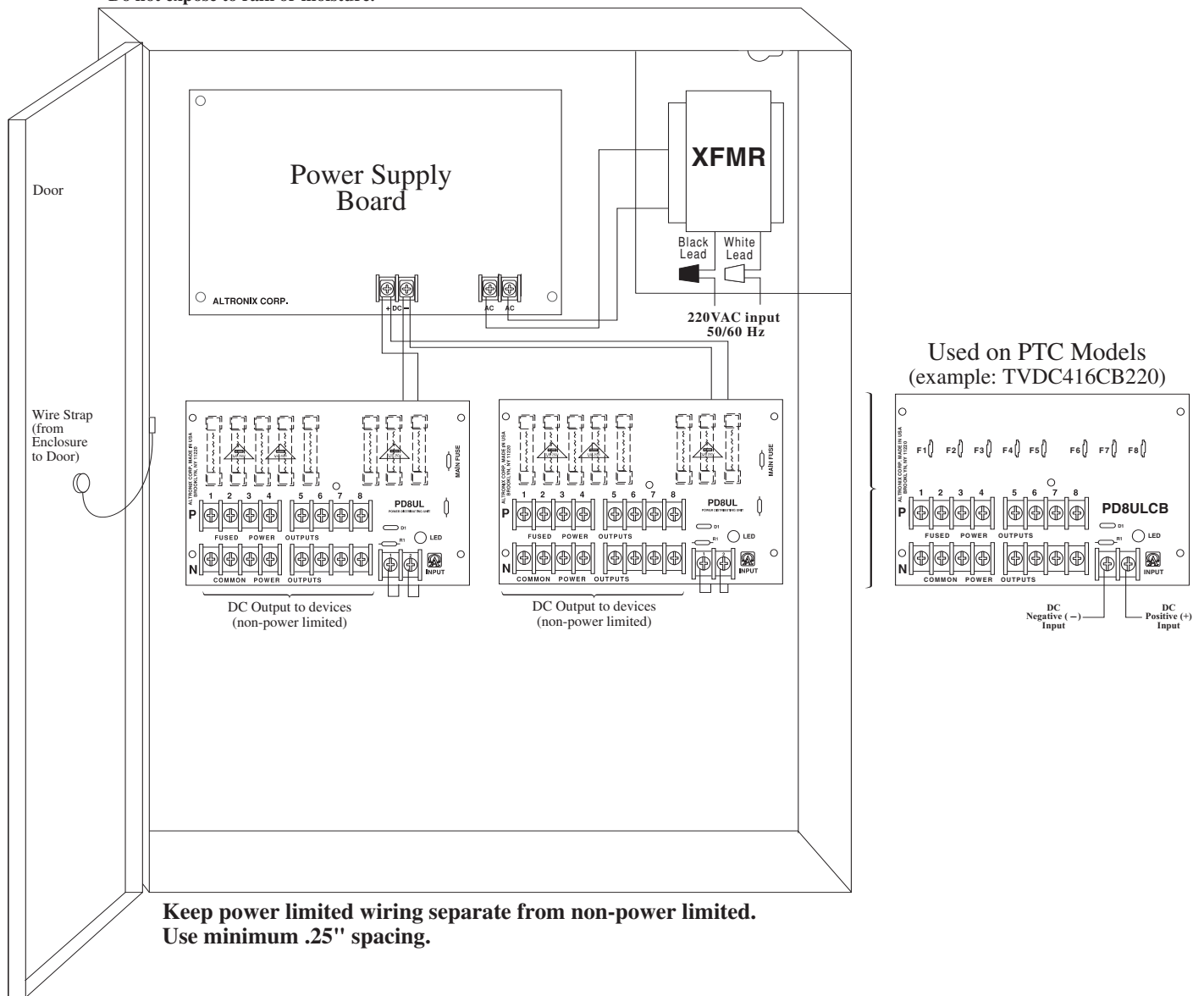
Terminal Legend	Function/Description
AC/AC	Low voltage AC input.
+ DC -	6VDC-15VDC output.

PD8UL/PD8ULCB - Distribution Module

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

Fig. 1

CAUTION: De-energize unit prior to servicing. For continued protection against risk of electric shock and fire hazard replace fuse with the same type and rating 3.5A, 250V. Do not expose to rain or moisture.





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.



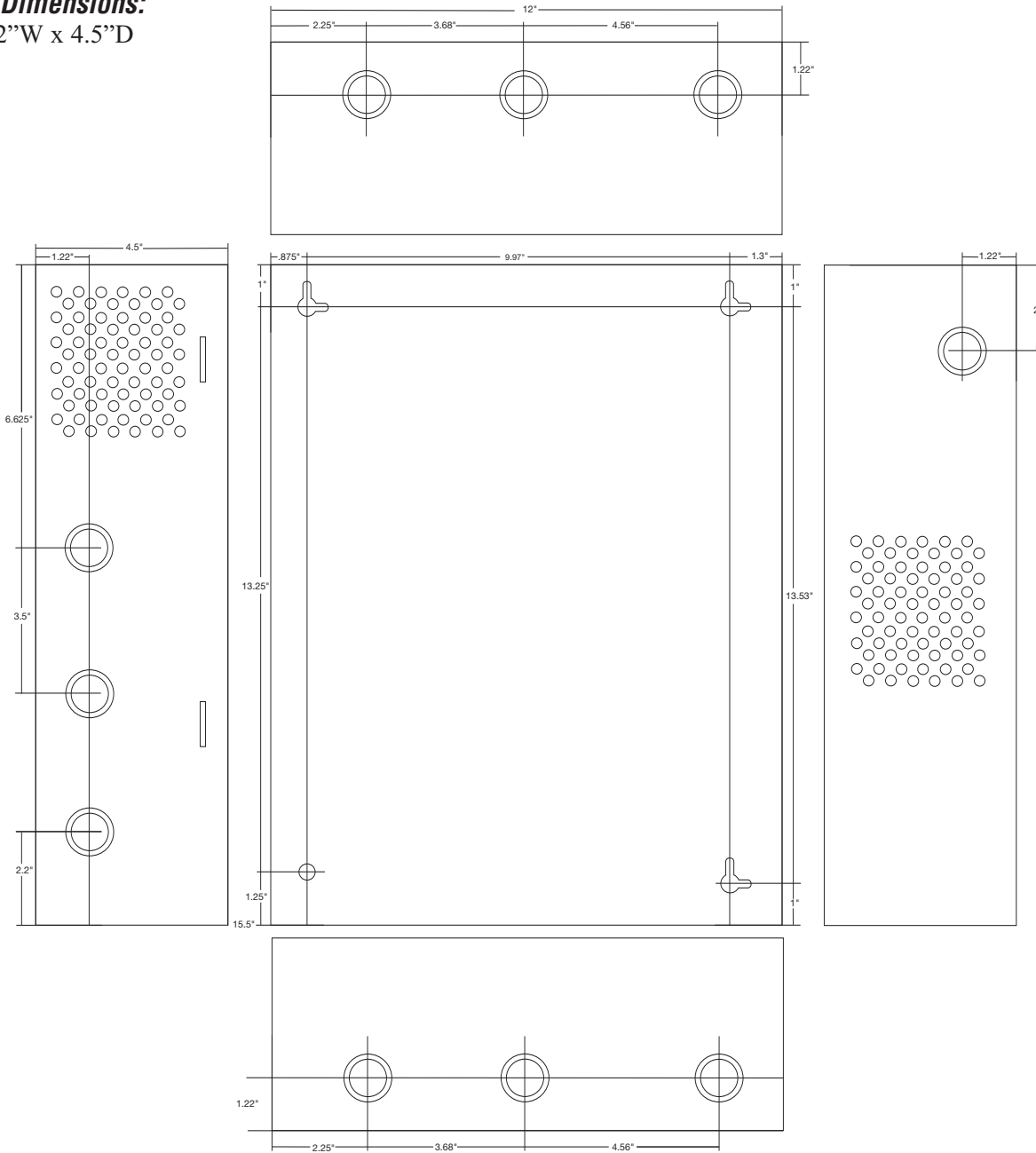
CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



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.

Enclosure Dimensions:

15.5”H x 12”W x 4.5”D



Altronix is not responsible for any typographical errors.

Altronix Corp.
140 58th Street, Brooklyn, New York 11220 USA, 718-567-8181, fax: 718-567-9056
web site: www.altronix.com, e-mail: info@altronix.com, Lifetime Warranty, Made in U.S.A.
IITVDC220Series C01E

