



Rack Mount Series CCTV Power Supplies

Installation Guide

Models Include:

- ***R615DC416***
 - ***6-15VDC @ 4 amp.***
 - ***Sixteen (16) Fuse Protected Outputs.***
- ***R615DC616***
 - ***6-15VDC @ 6 amp.***
 - ***Sixteen (16) Fuse Protected Outputs.***
- ***R615DC1016***
 - ***6-15VDC @ 10 amp.***
 - ***Sixteen (16) Fuse Protected Outputs.***
- ***R615DC416CB***
 - ***6-15VDC @ 4 amp.***
 - ***Sixteen (16) PTC Protected Outputs.***
- ***R615DC616CB***
 - ***6-15VDC @ 6 amp.***
 - ***Sixteen (16) PTC Protected Outputs.***
- ***R615DC1016CB***
 - ***6-15VDC @ 10 amp.***
 - ***Sixteen (16) PTC Protected Outputs.***

Overview:

These Altronix Rack Mount 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 Rack Mount Configuration 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)	115VAC 50/60Hz Input Current
R615DC416	4 amp	6-15VDC	16	-	x	3.5 amp	.9 amp
R615DC416CB	4 amp	6-15VDC	16	x	-	2.5 amp	.9 amp
R615DC616	6 amp	6-15VDC	16	-	x	3.5 amp	1.5 amp
R615DC616CB	6 amp	6-15VDC	16	x	-	2.5 amp	1.5 amp
R615DC1016	10 amp	6-15VDC	16	-	x	3.5 amp	1.9 amp
R615DC1016CB	10 amp	6-15VDC	16	x	-	2.5 amp	1.9 amp

Specifications:

- 2U rack mount chassis for use in standard EIA 19" rack.
- Removable terminal blocks with locking screw flange.
- Power switch with built-in circuit breaker.
- Sixteen (16) individual power LED indicators.
- Filtered and electronically regulated outputs.
- Short circuit and thermal overload protection.
- Unit maintains camera synchronization.
- Ease of installation saves time and eliminates costly labor.

Rack Dimensions:

3.25"H x 19.125"W x 8.5"D

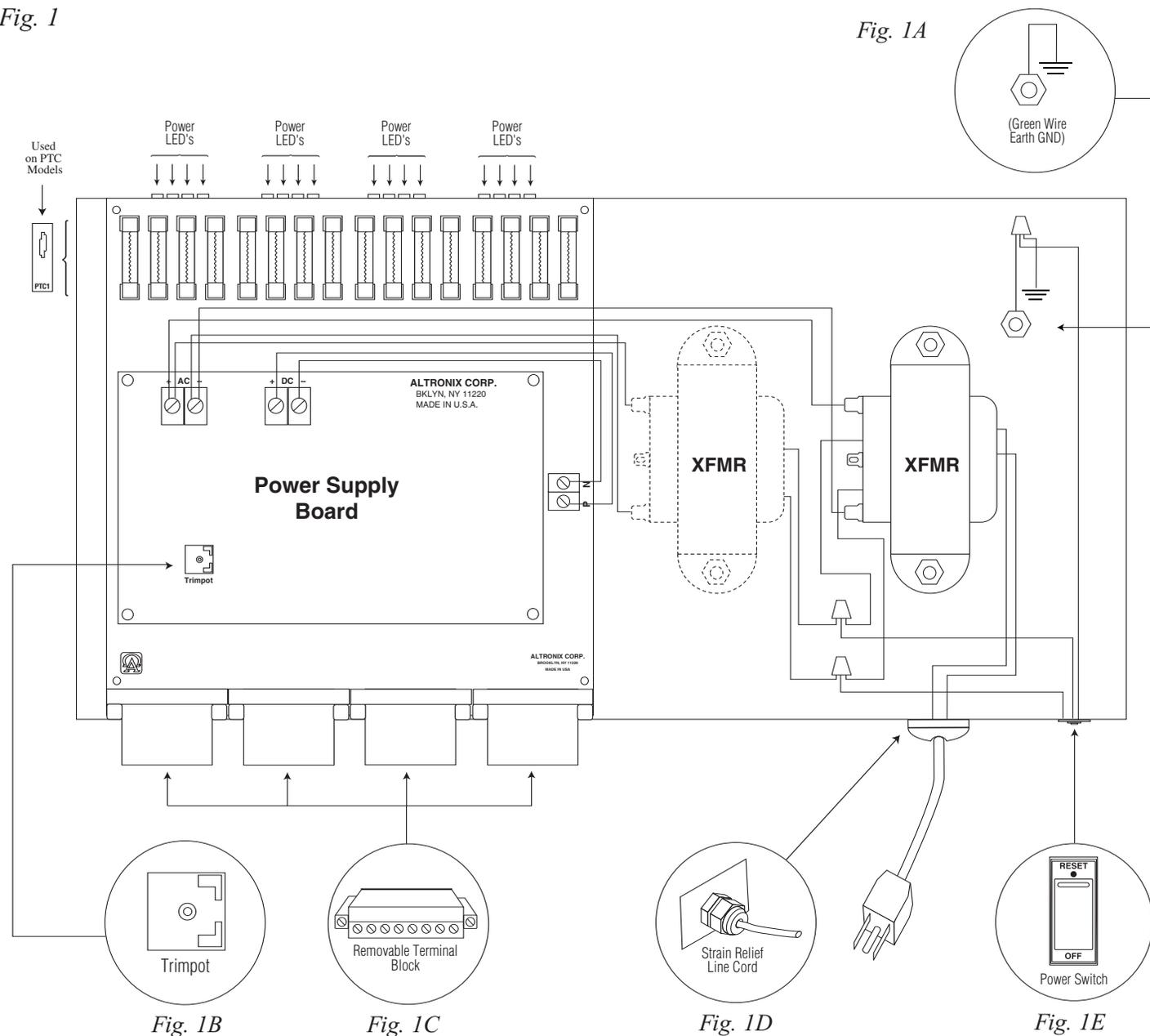
Installation Instructions:

1. Unit is factory set at 12VDC. To adjust the output voltage remove the bottom cover to access trimpot on the power supply board (*Fig. 1B, pg. 3*).
2. Mount unit in desired rack location (Space unit at least 3" from any video monitors).
3. Set power switch on back of unit to the OFF position (*Fig. 1E, pg. 3*).
4. Plug power cord into grounded 115VAC 50/60 Hz receptacle (*Fig. 1D, pg. 3*).
5. Set power switch to the ON (RESET) position and measure output voltage before connecting devices (*Fig. 1E, pg. 3*). This helps avoid potential damage.
6. Set power switch on back of unit to the OFF position (*Fig. 1E, pg. 3*).
7. Connect devices to removable terminal blocks marked [1P & 1N through 16P & 16N] (*Fig. 1C, pg. 3*). When wiring is completed on terminal blocks they can be locked down by tightening screw flanges. All terminals with common suffix (P) "1P, 2P..." are the same polarity (positive). All terminals with common suffix (N) "1N, 2N..." are the same polarity (negative).
8. Upon completion of wiring, set power switch on back of unit to the ON (RESET) position (*Fig. 1E, pg. 3*).
9. Green power LEDs on faceplate will illuminate when AC power is present. When an output is in a trouble condition (blown fuse or tripped PTC) the corresponding LED will not be illuminated (*Fig. 1, pg. 3*).
 - a. Blown fuse (R615DC416) - Set power switch on back of unit to the OFF position (*Fig. 1E, pg. 3*). Remove front faceplate to access fuses. Replace with fuses rated @ 3.5A/250VA (Altronix model # Fuse1).
 - b. Tripped PTC (R615DC416CB) - To reset PTC, set power switch on back of unit to the OFF position. After approximately 30 secs. set power switch to the ON (RESET) position (*Fig. 1E, pg. 3*).
10. Power switch with built-in circuit breaker:
 - OFF position - Switch not Illuminated. Outputs not powered.
 - RESET (ON) position - Switch illuminated. Outputs powered.
 - Circuit breaker tripped - Switch not Illuminated. Power LEDs on faceplate are not illuminated. Outputs not powered.
 - To reset circuit breaker set power switch to the ON (RESET) position (*Fig. 1E, pg. 3*).

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.

Fig. 1

Fig. 1A



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.



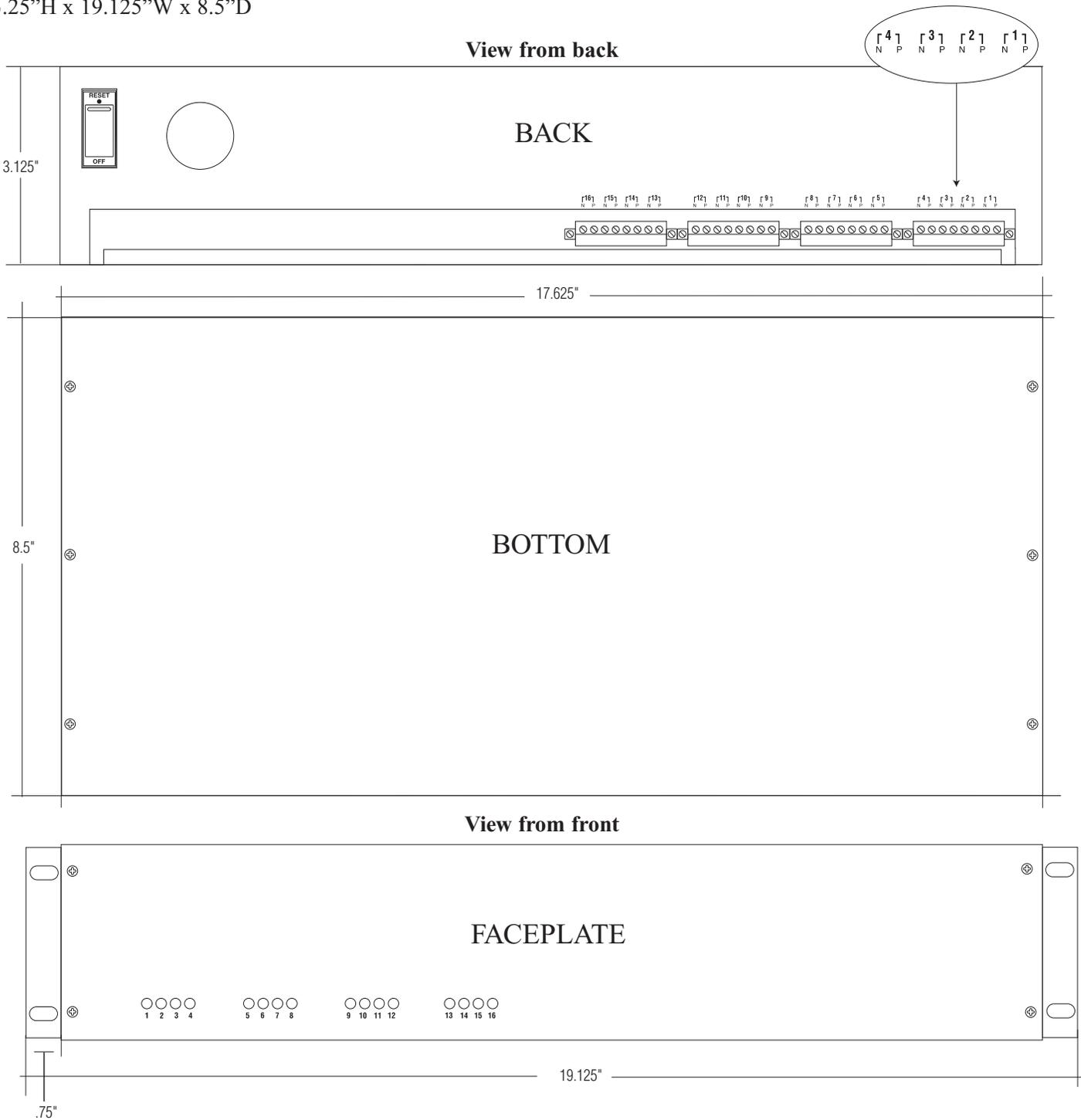
The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



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

Rack Mechanical Drawing and Dimensions:

3.25"H x 19.125"W x 8.5"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.
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