



# Rack Mount Series

## UL Listed CCTV Power Supplies

### Installation Guide

Models Include:

- **R615DC8UL**
  - 6-15VDC @ 4 amp.
  - Eight (8) Fuse Protected Outputs.
- **R615DC416UL**
  - 6-15VDC @ 4 amp.
  - Sixteen (16) Fuse Protected Outputs.
- **R615DC616UL**
  - 6-15VDC @ 6 amp.
  - Sixteen (16) Fuse Protected Outputs.
- **R615DC8ULCB**
  - 6-15VDC @ 4 amp.
  - Eight (8) PTC Protected Outputs.
- **R615DC416ULCB**
  - 6-15VDC @ 4 amp.
  - Sixteen (16) PTC Protected Outputs.
- **R615DC616ULCB**
  - 6-15VDC @ 6 amp.
  - Sixteen (16) PTC Protected Outputs.



### Overview:

These Altronix Rack Mount CCTV Power Supplies provide 6-15VDC distributed via eight (8) or sixteen (16) fuse or PTC protected outputs for powering CCTV Cameras, heaters and other video accessories.

### R615DCUL Rack Mount Configuration Reference Chart:

Altronix Model Number	Total Output Current (Power)	Output Voltage	Number of Outputs	Class 2 Rated Power Limited Outputs	PTC Protected Outputs	Fuse Protected Outputs	Output Current (max per output)	115VAC 50/60Hz Input Current
R615DC8UL	4 amp	6-15VDC	8	x	-	x	3.5 amp	.9 amp
R615DC8ULCB	4 amp	6-15VDC	8	x	x	-	2.5 amp	.9 amp
R615DC416UL	4 amp	6-15VDC	16	x	-	x	3.5 amp	.9 amp
R615DC416ULCB	4 amp	6-15VDC	16	x	x	-	2.5 amp	.9 amp
R615DC616UL	6 amp	6-15VDC	16	-	-	x	3.5 amp	1.5 amp
R615DC616ULCB	6 amp	6-15VDC	16	x	x	-	2.5 amp	1.5 amp

### Specifications:

- UL Listed - U.S. and Canada for CCTV Equipment (UL2044).
- Evaluated to C22.2 No. 1-98, Audio, Video and Similar Equipment.
- 2U rack mount chassis for use in standard EIA 19" rack.
- Removable terminal blocks with locking screw flang.
- Eight (8) or sixteen (16) individual power LED indicators
- Filtered and electronically regulated outputs.
- Short circuit and thermal overload protection.
- Unit maintains camera synchronization.
- Power switch with built-in circuit breaker.
- Ease of installation saves time and eliminates costly labor.

### Rack Dimensions:

3.25"H x 19.125"W x 8.5"D

**Caution: This installation should be made by qualified service personnel and should conform to all local codes and the National Electrical Code.**

### Installation Instructions:

1. Unit is factory set at 12VDC. To adjust the output voltage remove the top 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.

**CAUTION: Determine the maximum operating voltage of the equipment being powered before adjusting the output voltage.**

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 8P & 8N] or [1P & 1N through 16P & 16N], where applicable (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 DC output 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 (R615DC416UL, R615DC616UL & R615DC8UL) - 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 (R615DC416ULCB, R615DC616ULCB & R615DC8ULCB) - To reset PTC, set power switch on

back of unit to the OFF position (Remove overloaded circuit condition prior to reset).

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.

ON (RESET) position - Switch illuminated. Outputs powered.

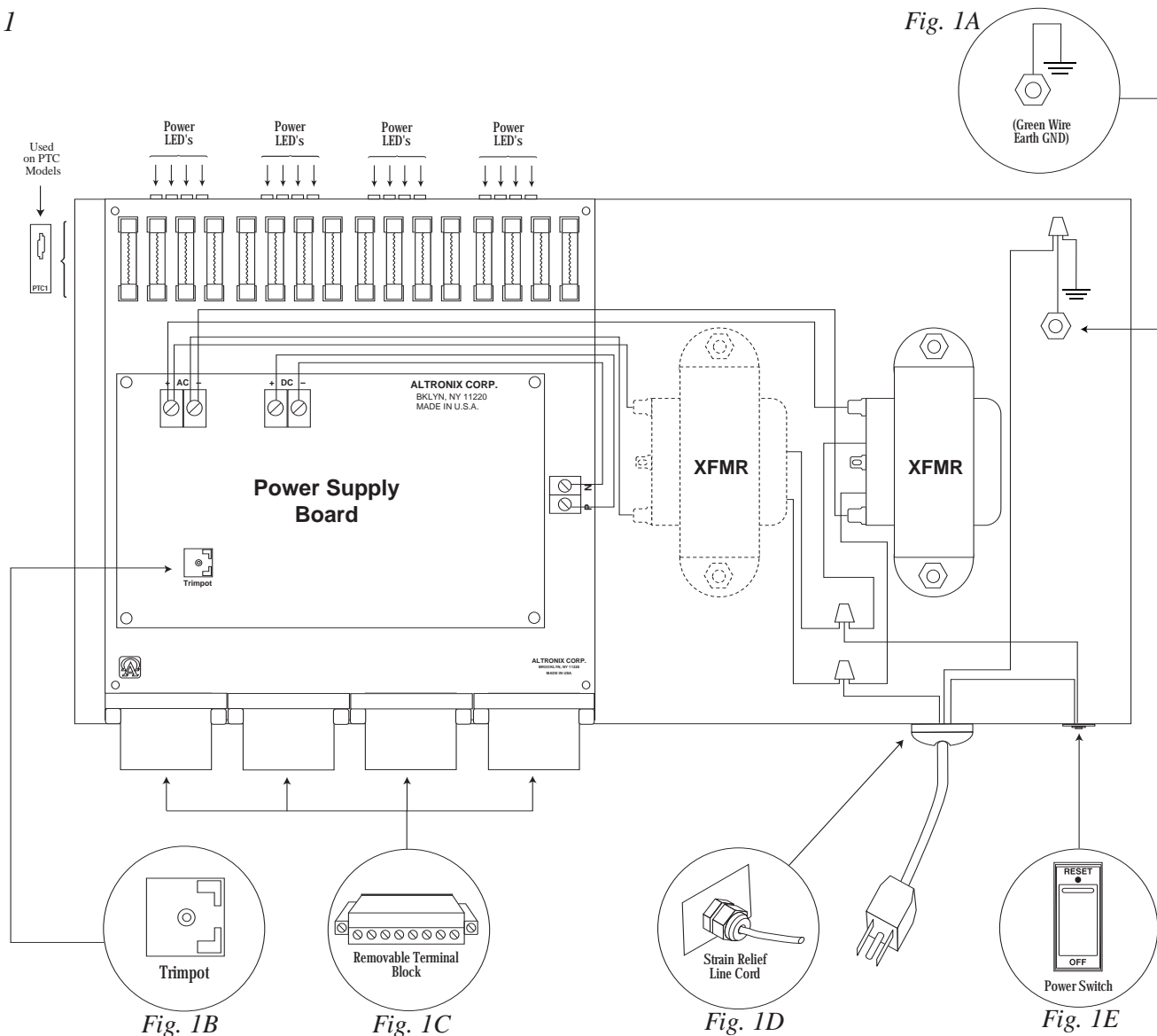
Circuit breaker tripped - Switch not Illuminated. Power LEDs on faceplate are not illuminated. Outputs not powered.

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. For continued protection risk of fire, replace the fuses only with same type and rating (3.5 amp @ 250V).**

*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.

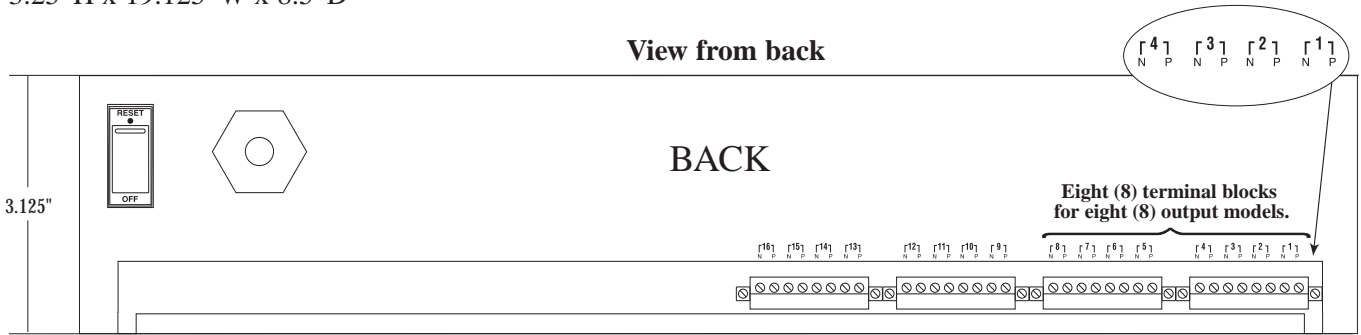


**CAUTION:** To reduce the risk of electric shock do not open enclosure. There are no user serviceable parts inside. Refer servicing to qualified service personnel.

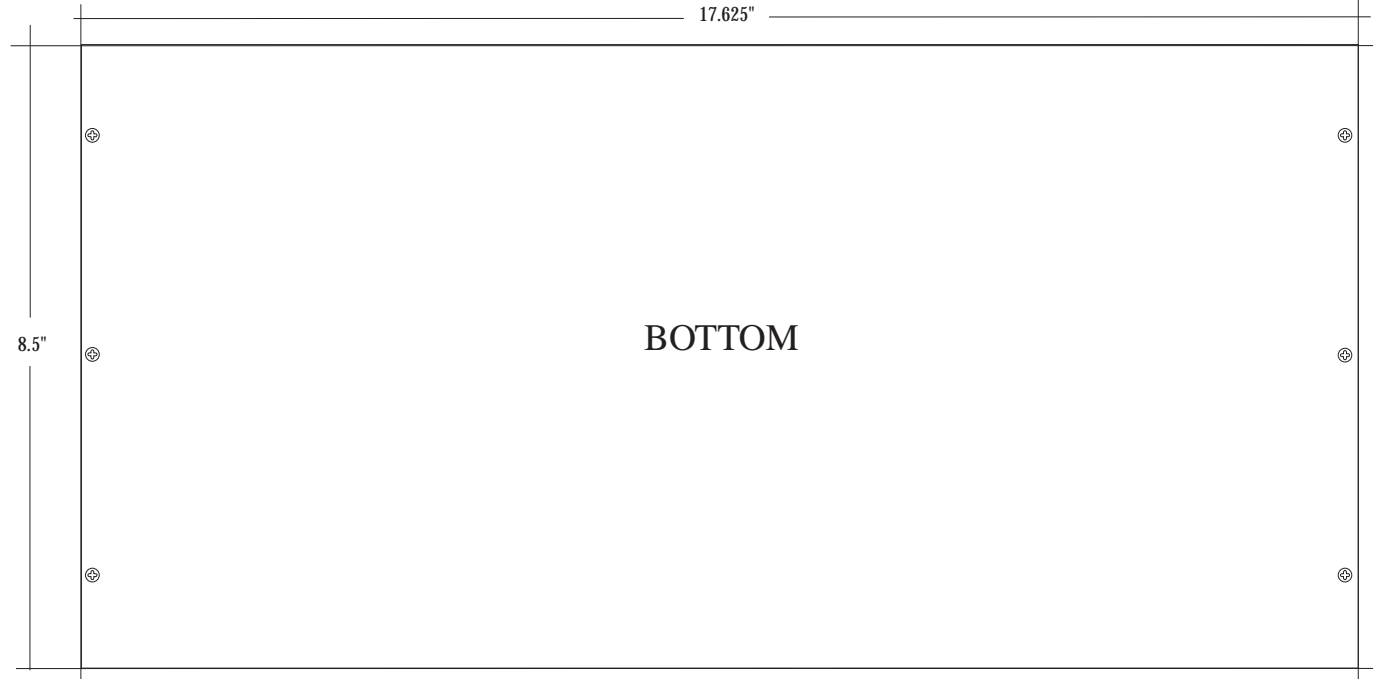
# Rack Mechanical Drawing and Dimensions:

3.25"H x 19.125"W x 8.5"D

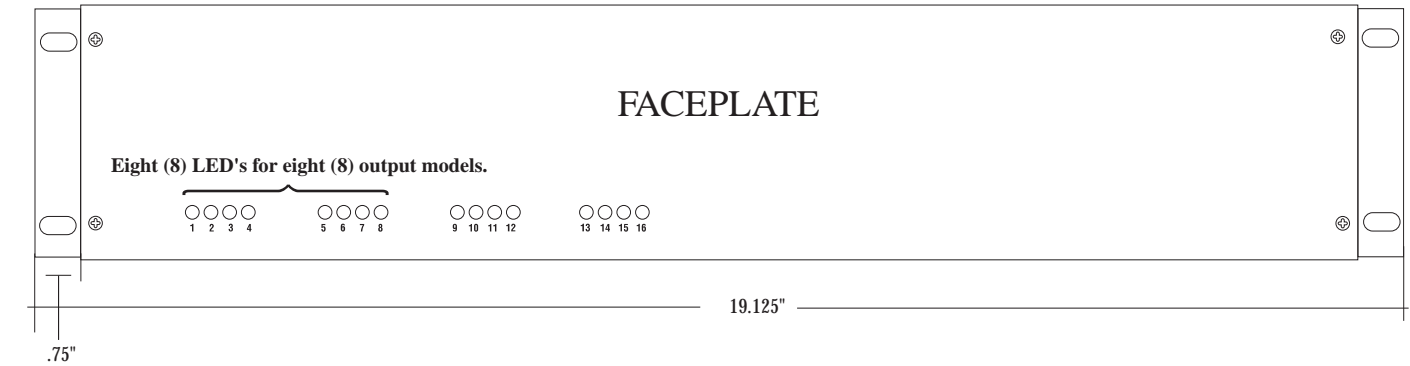
**View from back**



**BOTTOM**



**View from front**



Altronix is not responsible for any typographical errors.

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 IIR615DCUL Series C19D

