Altronix®

Rack Mount Series
UL Listed CCTV Power Supplies

Installation Guide

Models Include:

- ***R248UL***
  - ***24VAC @ 3.5 amp (85VA).***
  - ***Eight (8) Fuse Protected Outputs.***

- ***R248ULCB***
  - ***24VAC @ 3.5 amp (85VA).***
  - ***Eight (8) PTC Protected Outputs.***

C UL US

Rev. 020504

Overview:

These Altronix Rack Mount CCTV Power Supplies provide 24VAC distributed via eight (8) fuse or PTC protected outputs for powering CCTV Cameras, heaters and other video accessories.

Rack Mount Configuration Reference Chart:

Altronix Model Number	Output Voltage (VAC)	Total Output Current (Power)	Number of Outputs	PTC Protected Outputs (Class 2 power limited).	Fuse Protected Outputs	Output Current (max per output)	115VAC 50/60Hz Input Current
R248UL	24	3.5 amp (85VA)	8	-	x	3.5 amp	.85 amp
R248ULCB	24	3.5 amp (85VA)	8	x	-	2.5 amp	.85 amp

Specifications:

- UL Listed - U.S. and Canada for CCTV Equipment (UL2044).
- 24VAC outputs
- Surge suppression.
- AC power LED indicators.
- Power switch w/built-in circuit breaker.
- Spare fuses included.
- Unit maintains camera synchronization.
- Ease of installation saves time and eliminates costly labor.
- Modular 2U standard EIA 19" rack mount chassis.
- Removable faceplate and sliding rear section for easy access.
- Removable terminal blocks w/locking screw flange.

Rack Dimensions:

3.25"H x 19.125"W x 8.5"D

Installation Instructions:

1. Mount unit in desired rack location (Space unit at least 3" from any video monitors), Do not obstruct side air vents.
2. Set power switch on back of unit to the OFF position (*Fig. 1D, pg. 3).*
3. Plug power cord into grounded 115VAC 50/60 Hz receptacle (*Fig. 1C, pg. 3)*, ground should be connected as indicated in (*Fig. 1, pg. 3).*
4. Set power switch on back of unit to the ON (RESET) position and measure output voltage before connecting devices (*Fig. 1C, pg. 3)*. This helps avoid potential damage.
   All terminals with common suffix (P) "1P, 2P..." are the same polarity.
5 Set power switch on back of unit to the OFF position (*Fig. 1D, pg. 3).*
6. Connect devices to removable terminal blocks marked [1P & 1N through 8P & 8N] for eight (8) output models *(Fig. 1A, pg. 3)*.
   When wiring is completed on terminal blocks they can be locked down by tightening screw flanges.
7 Upon completion of wiring, set power switch on back of unit to the ON (RESET) position (*Fig. 1D, pg. 3).*
8. 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 (R248UL) - Set power switch on back of unit to the OFF position (*Fig. 1D, pg. 3).* Remove front faceplate to access fuses. Replace with fuses rated @ 3.5A/250VA (Altronix model # Fuse1).
   b. Tripped PTC (R248ULCB) - 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. 1D, pg. 3)*.
9. 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. 1D, pg. 3)*.

Note: Do not exceed units electrical load ratings as indicated in reference chart (*pg. 2)*.
Do not place mechanical load on unit.
Unit is designed optimally for normal data room office installations. Data racks should always be properly ventilated.

Fig. 1

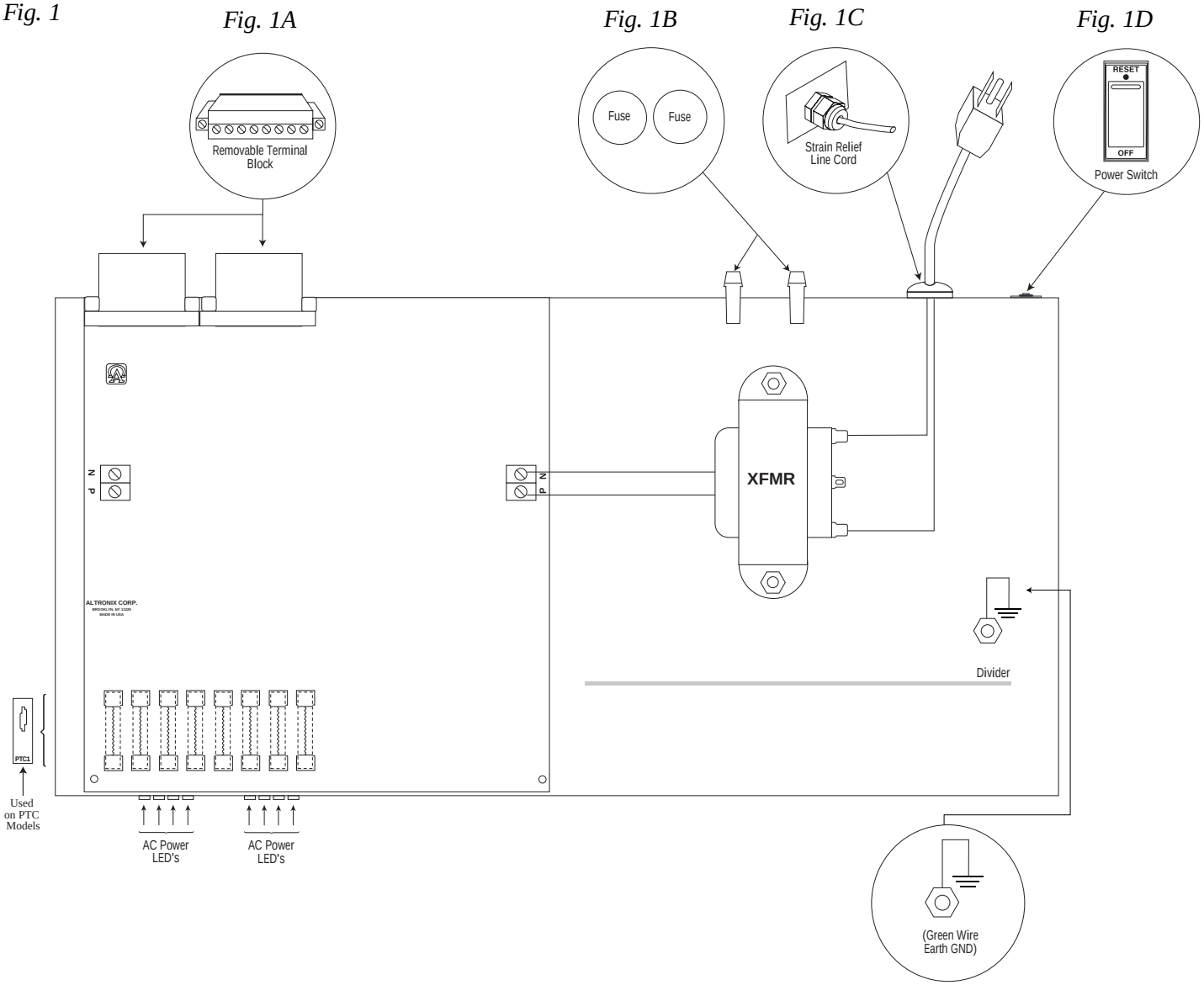


Fig. 1E

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.

For fuse protected models:
Replace fuses with the same type and rating 3.5A/250V.

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.

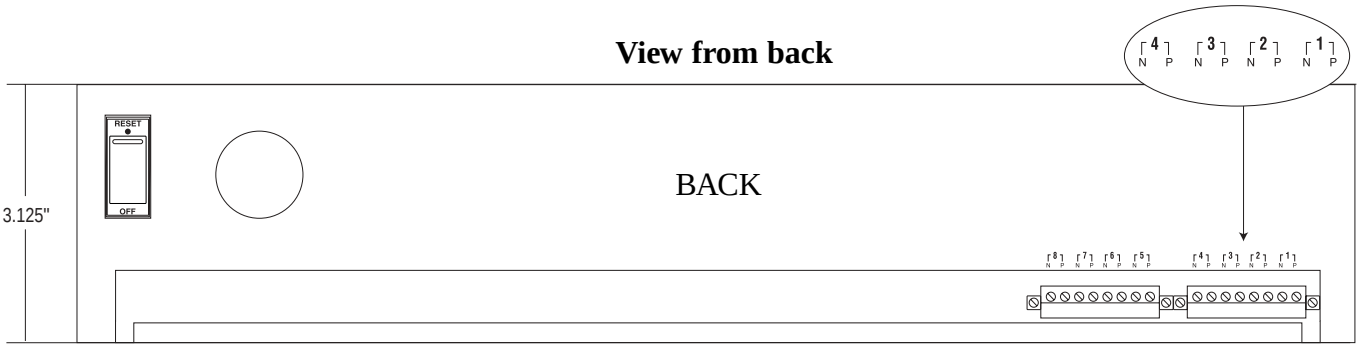
The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

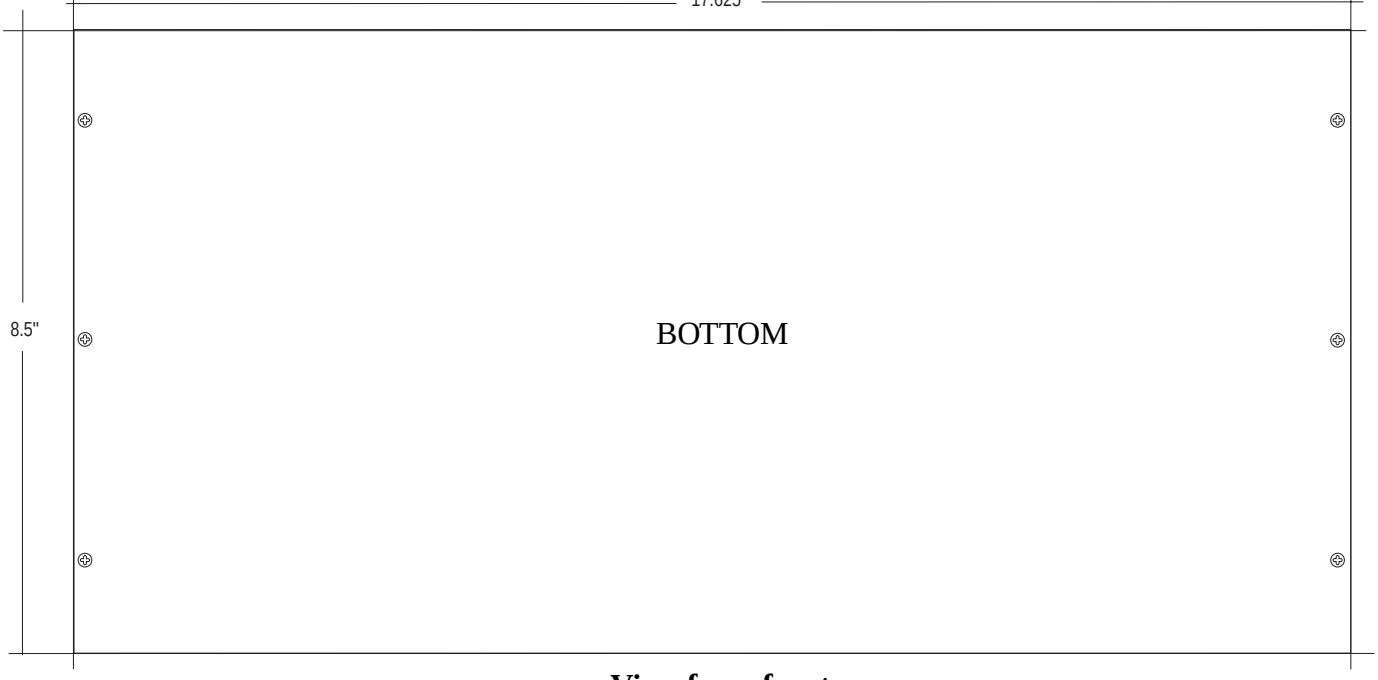
CAUTION: To reduce the risk of electric shock do not open enclosure. There are no user serviceable parts inside. Refer servicing to qualified service personnel.

Rack Mechanical Drawing & Dimensions

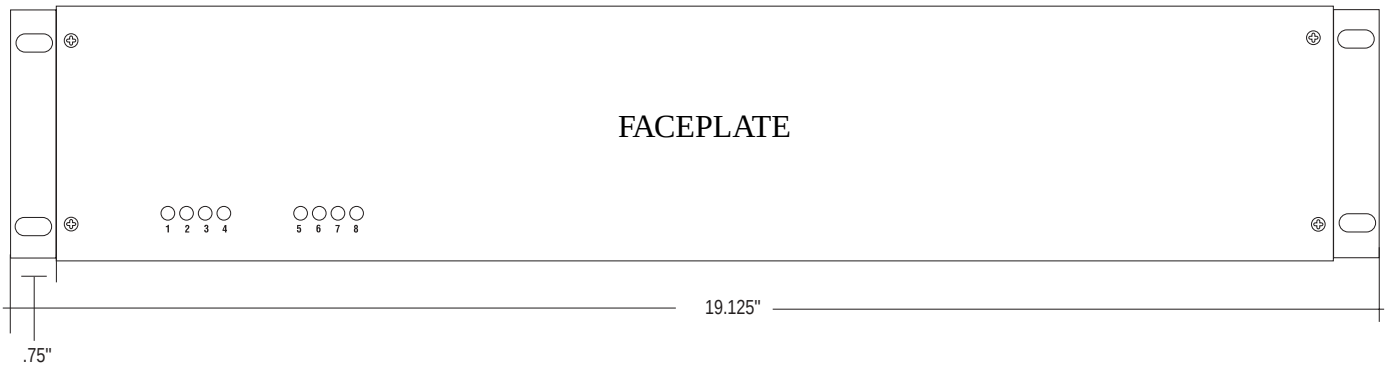
3.25”H x 19.125”W x 8.5”D

View from back





View from front



Altronix is not responsible for any typographical errors.

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