



Rack Mount Isolated Series UL Listed CCTV Power Supplies

Installation Guide

Models Include:

- ***R248ULi***

- *24VAC @ 12.5 amp
(300VA) total output.*
- *Eight (8) 1.56 amp Fuse
Protected Isolated Outputs.*

- ***R248ULCBI***

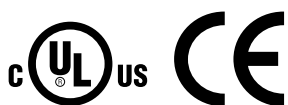
- *24VAC @ 12.5 amp
(300VA) total output.*
- *Eight (8) 1.56 amp PTC
Protected Isolated Outputs.*

- ***R2416ULi***

- *24VAC @ 25 amp
(600VA) total output.*
- *Sixteen (16) 1.56 amp Fuse
Protected Isolated Outputs.*

- ***R2416ULCBI***


- *24VAC @ 25 amp
(600VA) total output.*
- *Sixteen (16) 1.56 amp PTC
Protected Isolated Outputs.*



Overview:

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

UL Listed Isolated 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 for Dry locations). (Class 3 for Wet locations). | Fuse Protecte Class 1 Outputs | Output Current (max per output) | Fuse Ratings | Primary In-line Fuse Ratings | 115VAC 50/60Hz Input Current | Agency Listings |
|-----------------------|----------------------|------------------------------|-------------------|---|-------------------------------|---------------------------------|--------------|------------------------------|------------------------------|---|
| R248ULi | 24VAC | 12.5 amp (300VA) | 8 | - | Yes | 1.56 amp | 3.5 amp | 5 amp/ 250V | 2.7 amp |  |
| R248ULCBi | 24VAC | 12.5 amp (300VA) | 8 | Yes | - | 1.56 amp | - | 5 amp/ 250V | 2.7 amp | |
| R2416ULi* | 24VAC | 25 amp (600VA) | 16 | - | Yes | 1.56 amp | 3.5 amp | 5 amp/ 250V | 5.4 amp | |
| R2416ULCBi* | 24VAC | 25 amp (600VA) | 16 | Yes | - | 1.56 amp | - | 5 amp/ 250V | 5.4 amp | |

*Outputs 1-8 provide 12.5 amp (300VA) max. Outputs 9-16 provide 12.5 amp (300VA) max.

Specifications:

Agency Listings:

- UL Listed for Commercial CCTV Equipment (UL 2044).
- CUL Listed - CSA Standard C22.2 No.1-98, Audio, Video and Similar Equipment.
- CE European Conformity.

Input:

- 115VAC, 50/60Hz, 5.4 amp.

Output:

- Individual electronically isolated outputs.
- 24VAC supply current.
- Surge suppression.

Features:

- Individual power LED indicators.
- Illuminated master power disconnect circuit breaker with manual reset.
- 3-wire grounded line cord.
- Removable terminal blocks with locking screw flange.
- Spare fuses provided.

Mechanical:

- 2U rack mount chassis for use in a standard EIA 19" rack.
- Enclosure Dimensions (H x W x D approx.): 3.26" x 19.125" x 8.5" (83mm x 486mm x 216mm)

Installation Instructions:

1. Mount unit in the desired rack location (Space unit at least 3" from any video monitors).
2. Set power switch on the back of the unit to the OFF position (*Fig. 1c, pg. 3*).
3. Plug power cord into a grounded 115VAC 50/60 Hz receptacle (*Fig. 1b, pg. 3*).
4. Set power switch on the back of the unit to the ON (RESET) position and measure output voltage before connecting devices (*Fig. 1c, pg. 3*). This helps avoiding potential damage.
All terminals with common suffix (P) "1P, 2P..." are the same phasing.
5. Set power switch on the back of the unit to the OFF position (*Fig. 1c, pg. 3*).
6. Connect devices to the removable terminal blocks marked [1P & 1N through 16P & 16N] (*Fig. 1a, pg. 3*).
When wiring is completed on these terminal blocks they can be locked down by tightening screw flanges.
7. Upon completion of the wiring, set power switch on the back of the unit to the ON (RESET) position (*Fig. 1c, 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 (R248ULi & R2416ULi) - Set power switch the on back of the unit to the OFF position (*Fig. 1c, pg. 3*). Remove front faceplate to access fuses. Replace with fuses rated @ 3.5A/250VA (Altronix model # Fuse1).
 - b. Tripped PTC (R248ULCBi & R2416ULCBi) - To reset PTC, set power switch on the back of the unit to the OFF position. After approximately 30 secs. set power switch to the ON (RESET) position (*Fig. 1c, 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. 1c, pg. 3*).

CAUTION: Equipment to be installed/serviced by authorized personnel only.

Shut branch circuit power before servicing/installing 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.

Fuse ratings:



Replace output fuses with the same type and rating 3.5A/250V.



Replace primary in-line fuse with the same type and rating 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.

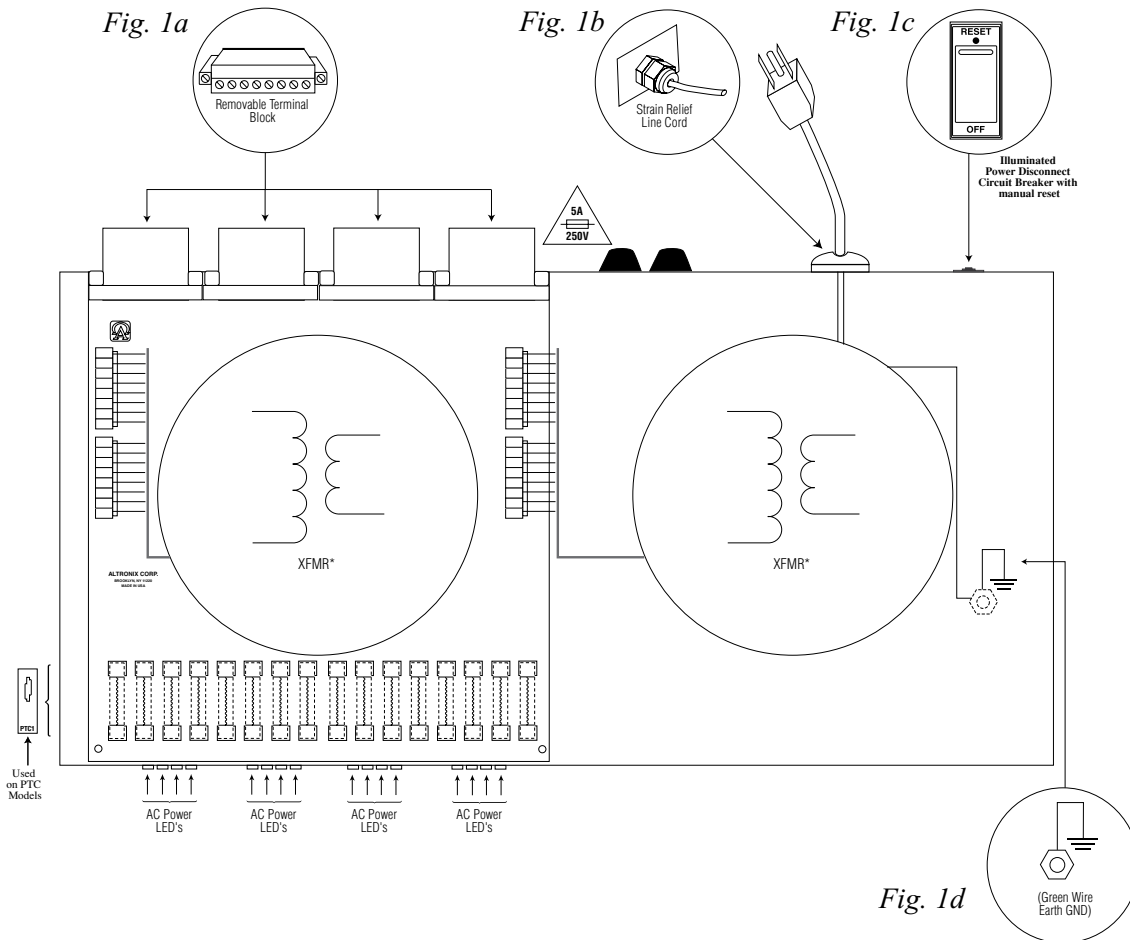


The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



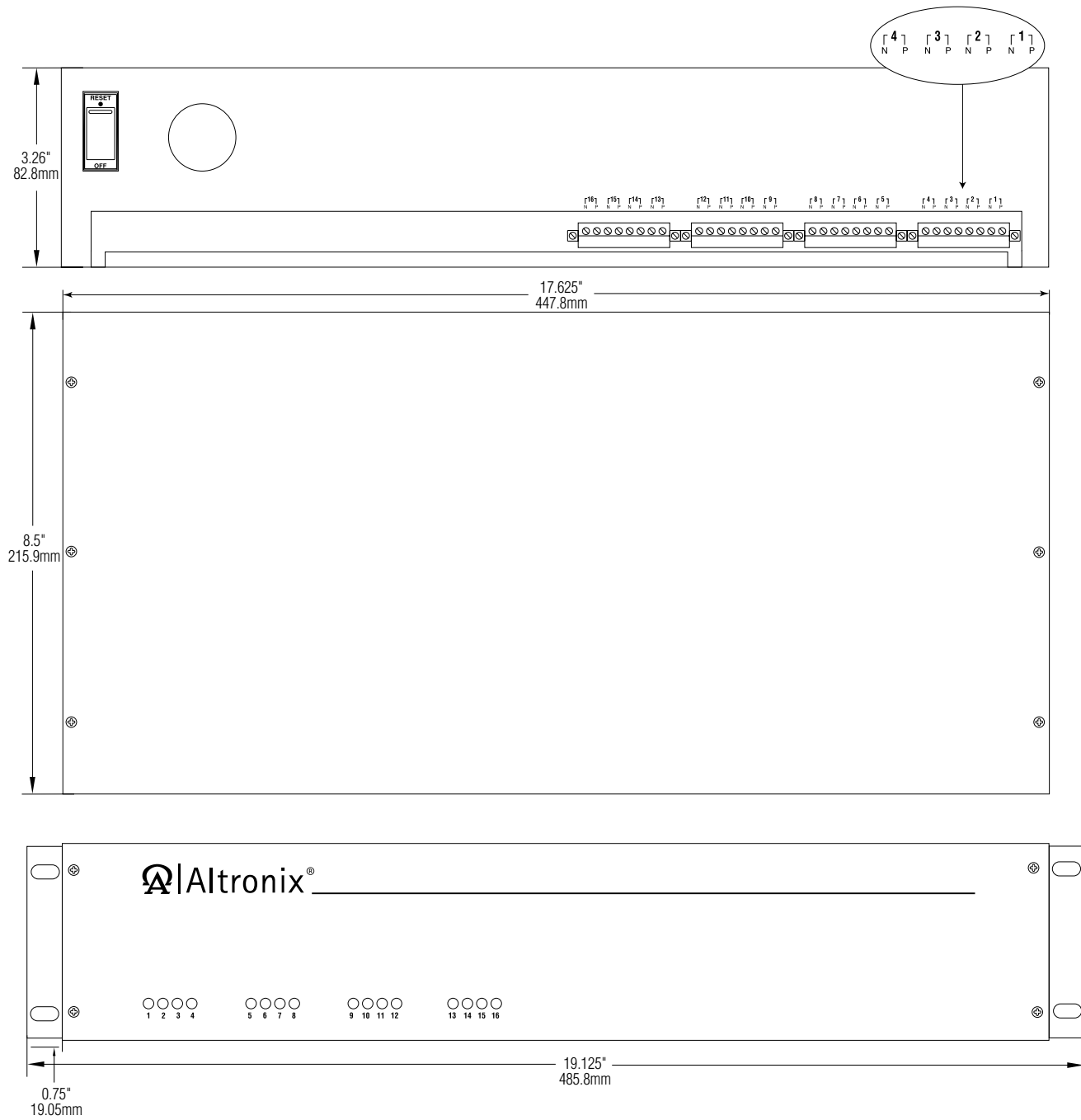
CAUTION: To reduce the risk of electric shock do not open enclosure. There are no user serviceable parts inside. Refer servicing to qualified service personnel.

Fig. 1



Rack Mechanical Drawing and Dimensions (H x W x D):

3.26" x 19.125" x 8.5" (83mm x 486mm x 216mm)



Altronix is not responsible for any typographical errors.

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 IIR248/2416 UL Listed Isolated Rack Mount Series

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MEMBER

R248/2416ULi series