

# ***R2432220 Series***

## ***Rack Mount CCTV Power Supplies***

### ***Installation Guide***

#### ***Models Include:***

#### ***R2432300220***

- 24VAC @ 12.5A (300VA) or 28VAC @ 10A (280VA).
- *Thirty-Two (32) Fuse Protected Outputs.*

#### ***R2432300CB220***

- 24VAC @ 12.5A (300VA) or 28VAC @ 10A (280VA).
- *Thirty-Two (32) PTC Protected Outputs.*

#### ***R2432600220***

- 24VAC @ 25A (600VA) or 28VAC @ 20A (560VA).
- *Thirty-Two (32) Fuse Protected Outputs.*

#### ***R2432600CB220***

- 24VAC @ 25A (600VA) or 28VAC @ 20A (560VA).
- *Thirty-Two (32) PTC Protected Outputs.*



Rev. 111605



More than just power.™

## Overview:

Altronix R2432220 Series Rack Mount CCTV Power Supplies provide 24VAC or 28VAC distributed via thirty-two (32) fuse or PTC protected outputs for powering CCTV cameras, heaters and other video accessories.

### Thirty-Two (32) Output Rack Mount Configuration Reference Chart:

Altronix Model Number	Output Voltage (VAC)	Total Output Current (Power)	Number of Outputs	PTC Protected auto-resettable Outputs	Fuse Protected Outputs	Individual Output Current (max per output, not to exceed total input current)	220VAC 50/60Hz Input Current
R2432300220	24VAC	12.5A	32	-	✓	3.5A	1.5A
	28VAC	10A					
R2432300CB220	24VAC	12.5A	32	✓	-	2.5A	1.5A
	28VAC	10A					
R2432600220*	24VAC	25A	32	-	✓	3.5A	3A
	28VAC	20A					
R2432600CB220*	24VAC	25A	32	✓	-	2.5A	3A
	28VAC	20A					

\*24VAC models: Outputs 1-16 provide 12.5A (300VA) max. Outputs 17-32 provide 12.5A (300VA) max.

\*28VAC models: Outputs 1-16 provide 10A (280VA) max. Outputs 17-32 provide 10A (280VA) max.

## Specifications:

### Agency Listings:

CE - European Conformity

### Input:

- 220VAC, 50/60Hz.

### Output:

- Thirty-two (32) fuse or PTC protected outputs.
- 24VAC or 28VAC supply current.
- Outputs are rated @ 3.5A (fused) or 2.5 (PTC).
- Surge suppression.

### Visual Indicators:

- Thirty-two (32) individual power LED indicators.
- Illuminated master power disconnect circuit breaker with manual reset.

### Features:

- 3-wire grounded line cord.
- Removable terminal blocks with locking screw flange.
- Unit maintains camera synchronization.
- 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:

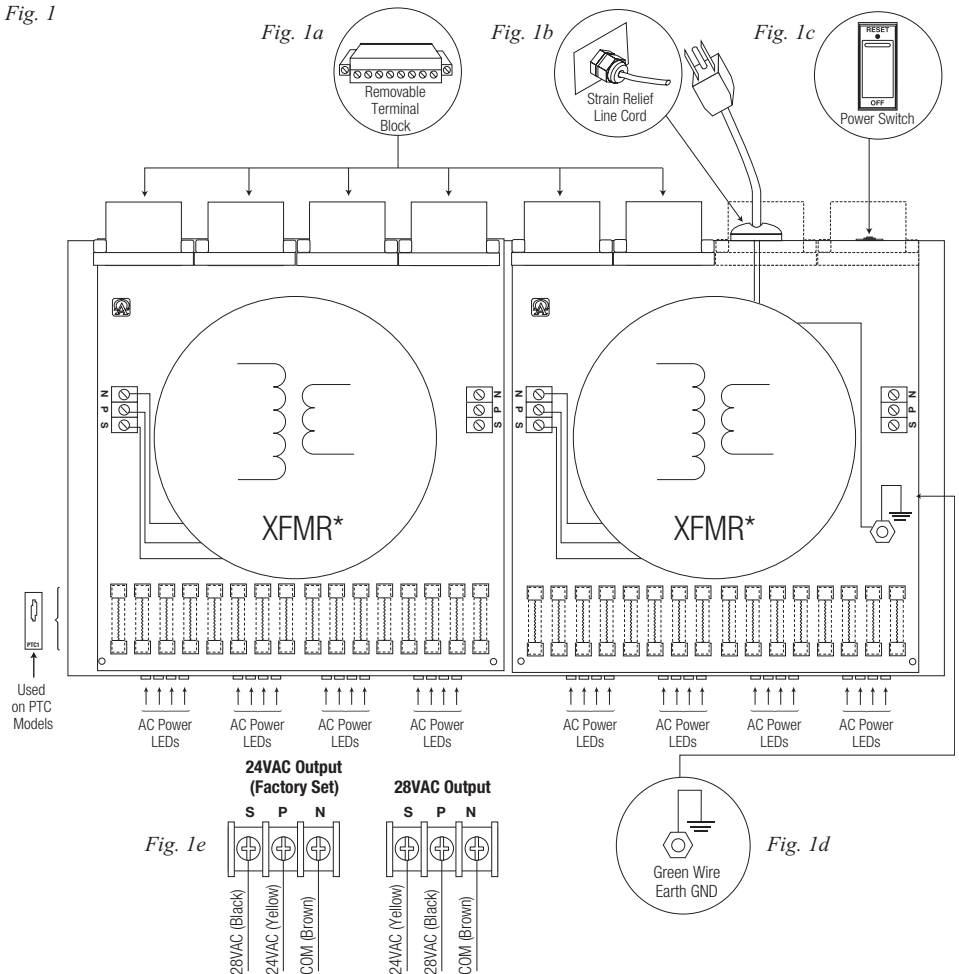
- The unit is factory set for 24VAC operation.  
For 28VAC operation, adjust unit prior to mounting and applying power as follows:
  - Open bottom of the unit by removing six (6) screws (*Rack Mechanical Drawing and Dimensions, pg. 4*).
  - Change the wire position so that the black wire [28V] is connected to the terminal marked [P] and the yellow wire [24V] is connected to the terminal marked [S] (*Fig. 1e, pg. 3*).
  - After securing all wires for proper voltage place bottom panel back on the unit and fasten with the six (6) screws.
- Mount unit in the desired rack location (Space unit at least 3" from any video monitors).  
Do not obstruct side air vents.
- Set power switch on the back of the unit to the OFF position (*Fig. 1c, pg. 3*).
- Plug power cord into a grounded 220VAC 50/60 Hz receptacle (*Fig. 1b, pg. 3*), ground should be connected as indicated in *Fig. 1d, pg. 3*.
- Set power switch on the back of the unit to the ON position and measure output voltage before connecting devices (*Fig. 1c, pg. 3*). This helps avoiding potential damage.
- Set power switch on the back of the unit to the OFF position (*Fig. 1c, pg. 3*).
- Connect devices to the removable terminal blocks marked [1P & 1N] through [8P & 8N] (*Fig. 1a, pg. 3*).  
When wiring is completed on the terminal blocks they can be locked down by tightening screw flanges.
- Upon completion of the wiring, set power switch on the back of the unit to the ON position (*Fig. 1c, 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 (R2432300220 and R2432600220) - Set power switch on back of 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 (R2432300220 and R2432600CB220) - To reset PTC, set power switch on back of unit to the OFF position. After approximately 30 secs. set power switch to the ON position (*Fig. 1c, 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. 1c, pg. 3*).
- Note:** Do not exceed units electrical load ratings as indicated in *Thirty-two (32) Output Rack Mount Configuration Reference Chart, pg. 2*.  
Do not place mechanical load on unit. Data racks should always be properly ventilated.  
Unit is designed optimally for normal data room office installations.

**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 the National Electrical Code and all local codes.

Fig. 1





**For fuse protected models:**

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



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of an insulated DANGEROUS VOLTAGE within the product's 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.



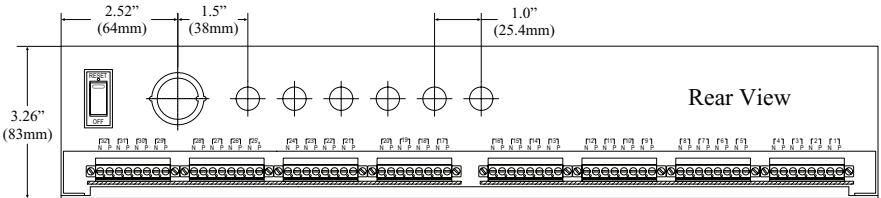
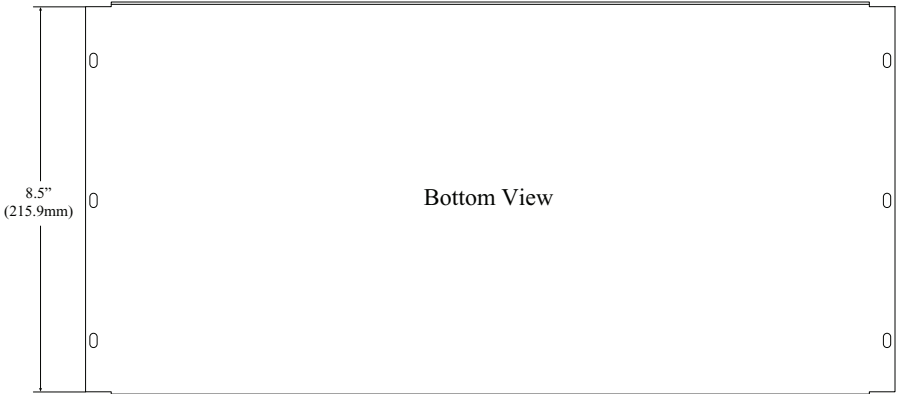
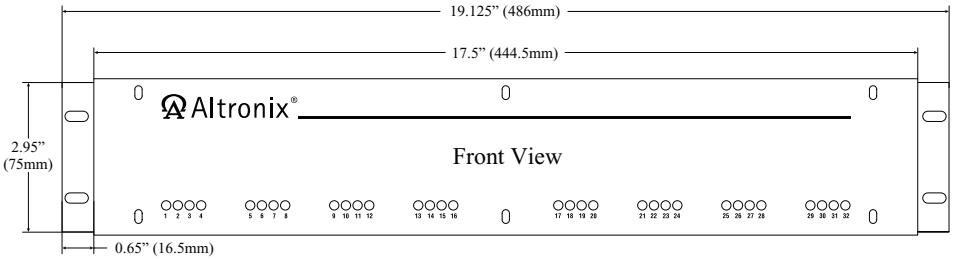
**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN



**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.

**Rack Mechanical Drawing and Dimensions:**

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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IIR2432220 Rack Mount Series

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