



# **VertiLine48MV Series**

Rack Mount Power Supplies

## **Models Include:**

### **VertiLine48MV**

- 56VDC @ 6.5A.
- Sixteen (16) Fuse Protected Outputs

### **VertiLine48MDV**

- 56VDC @ 6.5A.
- Sixteen (16) PTC Protected Outputs

## **Installation Guide**



Rev. 011019

**More than just power.™**

Installing Company: \_\_\_\_\_ Service Rep. Name: \_\_\_\_\_

Address: \_\_\_\_\_ Phone #: \_\_\_\_\_

## Overview:

Altronix VertiLine48MV Series Rack Mount Power Supplies provide 56VDC distributed via sixteen (16) fuse or PTC protected outputs for powering devices.

## Specifications:

### Outputs:

- Filtered and electronically regulated outputs.
- Short circuit and thermal overload protection.

### Features:

- Sixteen (16) power LEDs.
- Illuminated master power disconnect circuit breaker with manual reset.
- 3-wire grounded line cord.

### Features (cont'd):

- Removable terminal blocks with locking screw flange.

### Rack Dimensions:

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

## Configuration Reference Chart:

Altronix Model Number	Total Output Current (Power)	Output Voltage	Number of Outputs	Fuse Protected Outputs	PTC Protected Outputs	Output Current (max per output)	Input Current
VertiLine48MV	6.5A	56VDC	16	✓	—	3.5A	220VAC, 50/60Hz, 3A
VertiLine48MDV				—	✓	1.65A	

**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.

## Installation Instructions:

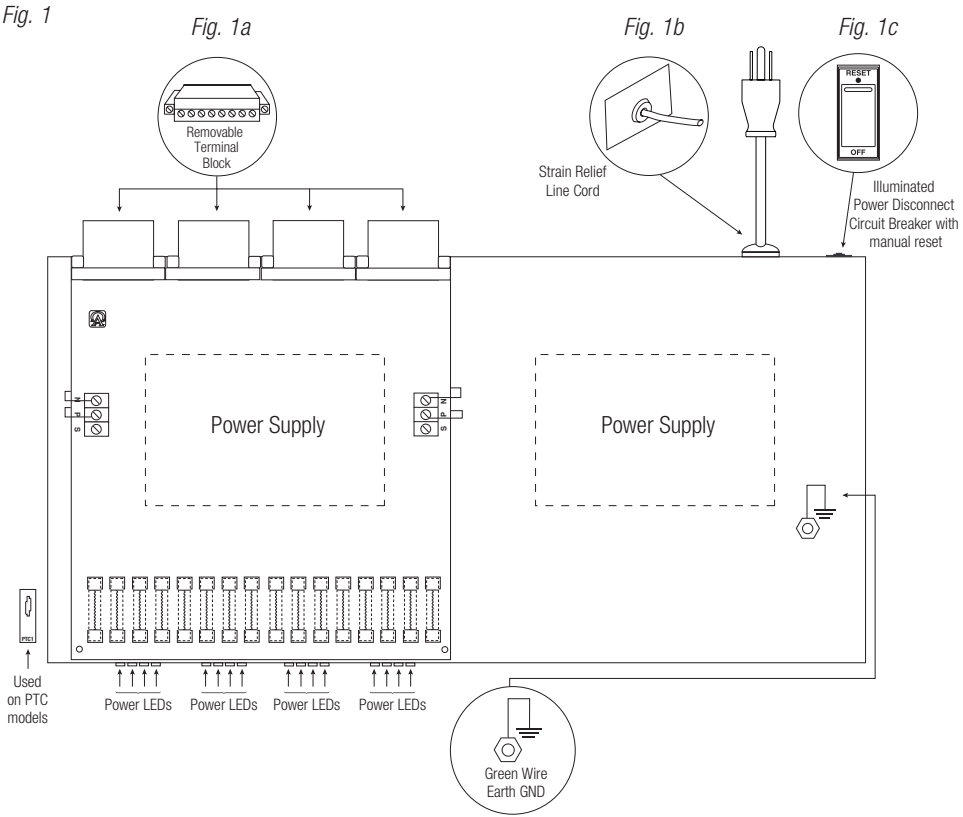
1. Mount unit in the desired rack location (Space unit at least 3" from any video monitors).
2. Set power switch on the back of the unit to the OFF position (*Fig. 1c, pg. 3*).
3. Plug power cord into a grounded receptacle (*Fig. 1b, pg. 3*).
4. Set power switch to the ON (RESET) position and measure output voltage before connecting devices (*Fig. 1c, pg. 3*). This helps avoiding potential damage.
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 the 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).
7. Upon completion of the wiring, set power switch on back of unit to the ON (RESET) position (*Fig. 1c, pg. 3*).
8. The power LEDs (Green) on the faceplate for Outputs 1-16 will illuminate when DC power is present (*Fig. 1, pg. 3*). If any of these LEDs are off, a loss of DC power output may be due to a tripped PTC caused by a short circuit or overload condition. If all of the LEDs are OFF, there may be a complete loss of supply power to the VertiLine unit, or the illuminated master power disconnect circuit breaker is in the OFF position (*Fig. 1, pg. 3*).


### Blown Fuse:

- a. Set power switch on the back of the unit to the OFF position (*Fig. 1c, pg. 3*).
- b. Remove front faceplate to access fuses. Replace with fuses rated @ 3.5A/250VA (Altronix model # Fuse1).

### Tripped PTC:

- a. Set power switch on the back of the unit to the OFF position (*Fig. 1c, pg. 3*).
  - b. Eliminate the trouble condition.
  - c. Allow 1 minute for PTC to cool off.
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*).



 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.

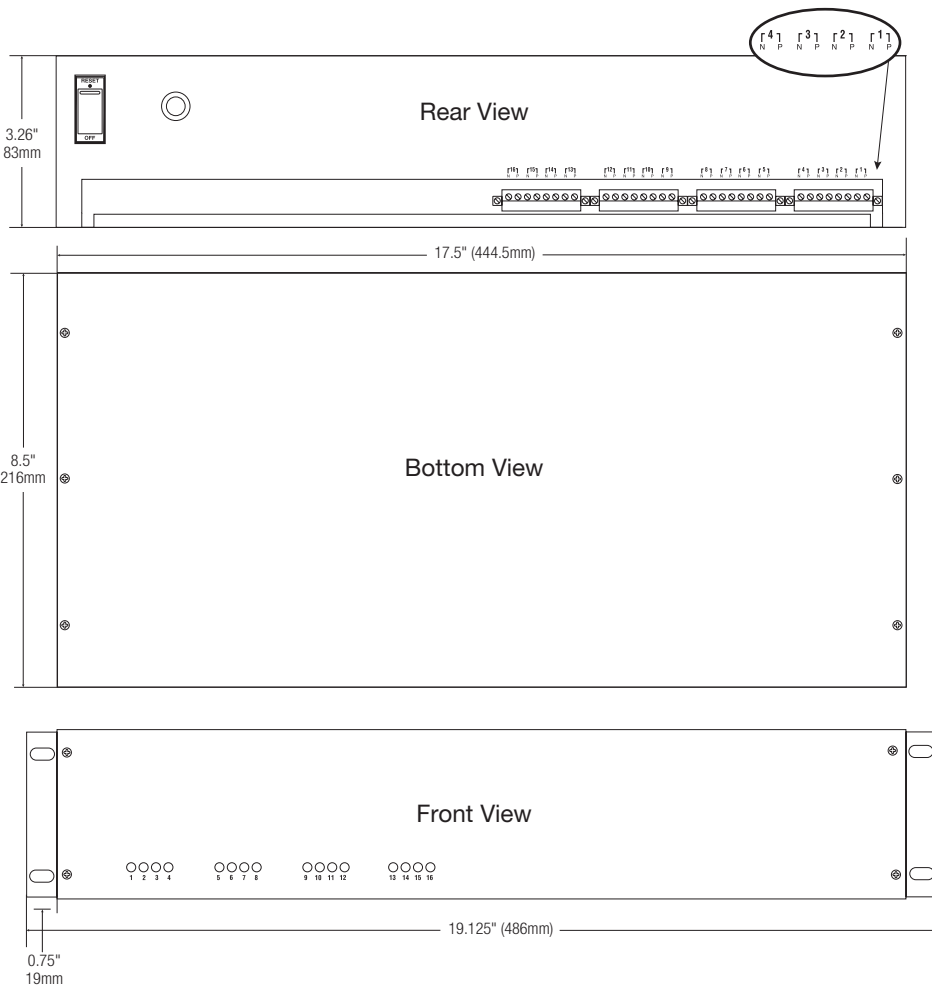
 The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

 **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.

## Enclosure Dimensions (H x W x D approximate):

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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 IIVertiLine48MV Series K04U



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