

VERTILINE

VertiLine48MDV

Rack Power Power Supply

- 56VDC @ 6.5A.

- Sixteen (16) PTC Protected Outputs

Installation Guide



More than just power.™

Rev. 031226

Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____

Overview:

Altronix VertiLine48MDV Rack Mount Power Supply provides 56VDC distributed via sixteen (16) PTC protected outputs for powering devices.

Specifications:

Input:

- 220VAC (working range 190VAC - 256VAC), 50/60Hz, 3A.

Outputs:

- Sixteen (16) PTC protected auto-resettable power outputs.
- 56VDC @ 6.5A max. total supply current, 1.65A max. for individual outputs. Output PTCs: 2.5A.
- 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.
- 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)

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.

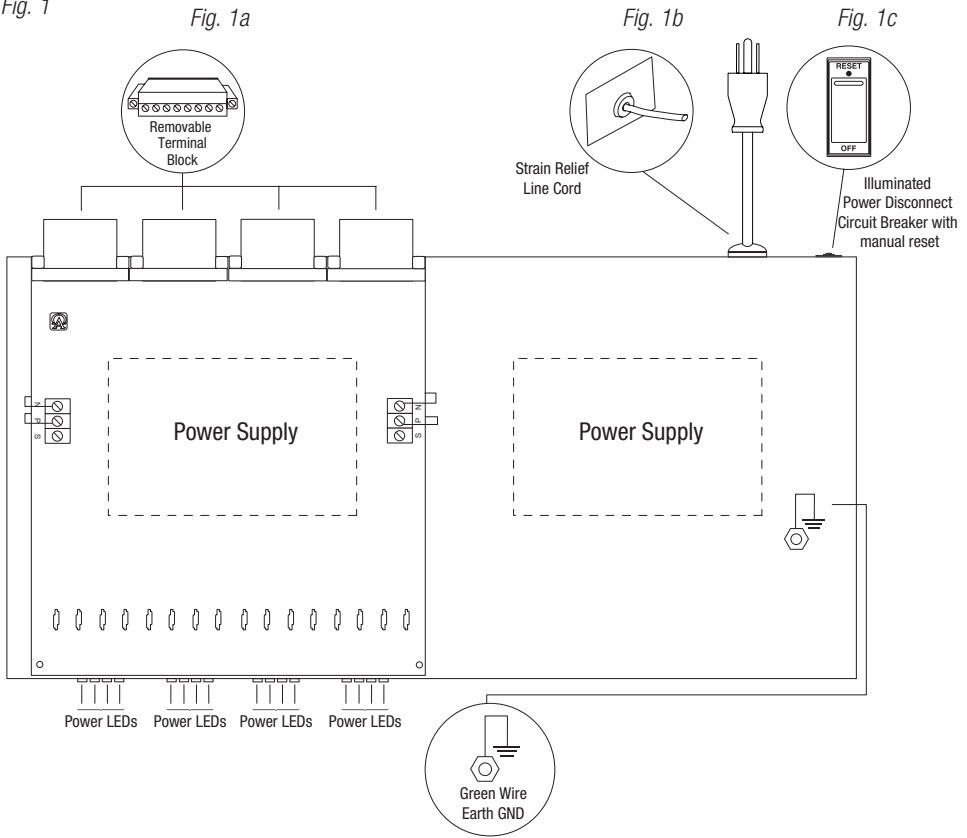
Installation Instructions:

1. Attach mounting brackets to VertiLine unit for desired rack or wall mount installation (*Figs. 2-3, pg. 4*). Affix rubber pads to VertiLine for shelf installation (*Fig. 4, pg. 4*).
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*).

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*).

Fig. 1



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

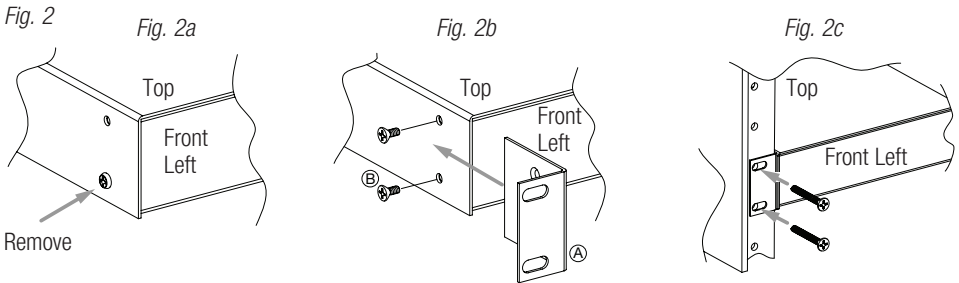


CAUTION: To reduce the risk of electric shock do not open enclosure. There are no user serviceable parts inside. Refer servicing to qualified service personnel.

Mounting Options:

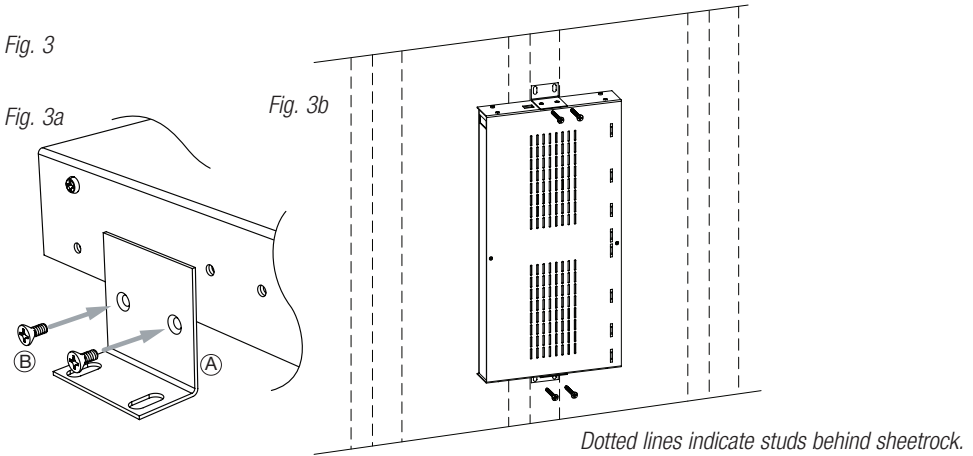
Rack Mount Installation:

1. Remove and discard factory installed screws from both sides of rack chassis (Fig. 2a).
2. Install mounting brackets (A) on the left and right side of rack chassis using the four (4) flat head screws (B) (included) (Fig. 2b).
3. Place unit into desired EIA 19" rack position and secure with mounting screws (not included) (Fig. 2c). (Space unit at least 3" from any video monitors). Do not obstruct side air vents.



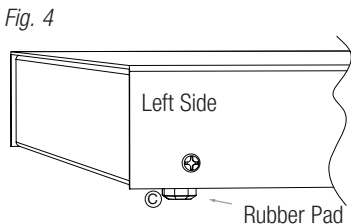
Wall Mount Installation:

1. Install mounting brackets (A) on the left and right side of rack chassis using four (4) flat head screws (B) (included) (Fig. 3a).
 2. Place unit at desired location and secure with #6 size screws or larger (not included) (Fig. 3b).
- Caution:** It is necessary to make sure mounting screws are securely fastened to a beam when installing the unit vertically.

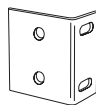


Shelf Installation:

- 1- Position and affix rubber pads (C) (included) at each corner on the bottom of the unit (Fig. 4).
- 2- Place unit in desired location.



Mounting Hardware (Included):



Ⓐ Two (2) mounting brackets



Ⓑ Six (6) flat head screws for mounting brackets.



Ⓒ Four (4) rubber pads.

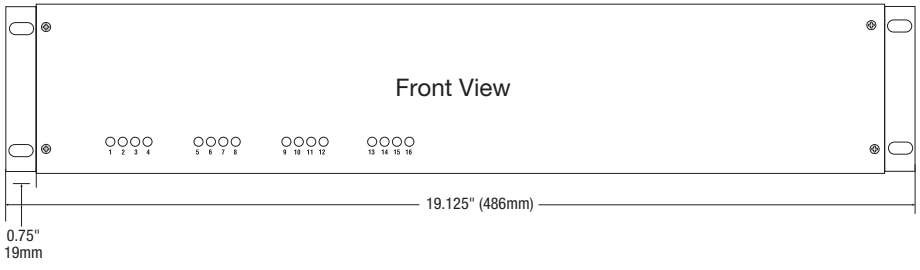
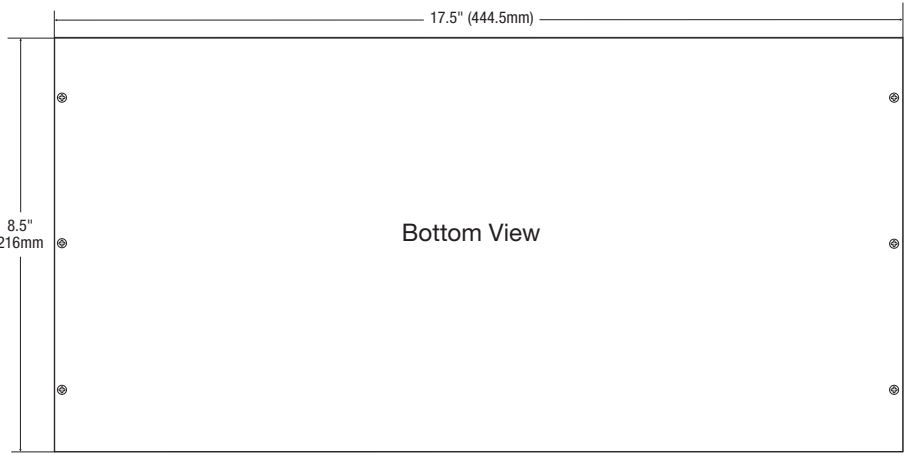
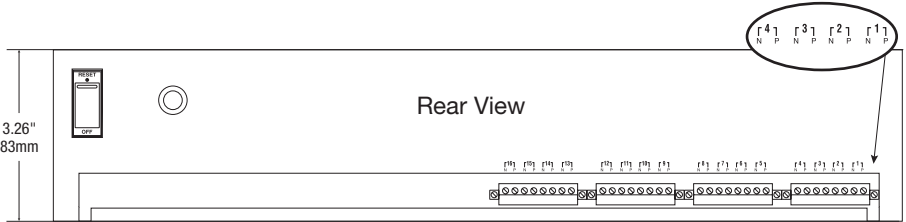
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Enclosure Dimensions (H x W x D approximate):

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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