

PowerTech Vent

Power Center

User Manual



Description

Specifically designed to power a ventilator from the wheelchair's batteries, the PowerTech Vent Power Center eliminates the need for any additional ventilator batteries. It provides safe, stable DC power to a ventilator all day long. It will even charge the ventilator's internal emergency battery while the chair is charging. *(Ventilator dependent)*

Parts List :

- 1- PowerTech Vent Power Center

Installation and Use

Intended Use :

The PowerTech Vent is suitable for services in the homecare, institution, and transportation settings as a source of continuous or intermittent power for a ventilator. However, it is mandatory that the ventilator AC wall adapter be accessible at all times in the event of an emergency. The PowerTech Vent Power Center provides power to a life support device. Therefore, **Misuse of this product can cause serious injury or death.** Only an authorized dealer or qualified service technician should proceed with the installation of this product.

Mounting Considerations :

The PowerTech Vent will get warm during normal operation. The amount of heat generated will vary with the load being placed on it from the ventilator. **It must be physically impossible for the user's body to make contact with the unit.** Locate the unit in an open-air environment.

If the wheelchair has the ability to recline, make sure that the unit cannot be physically crushed by the reclining motion of the chair.

Mount the unit in a stable and secure spot *(such as on the wheelchair's frame)*. Also keep the unit away from areas that may get wet *(puddles, spills, etc.)*

The PowerTech Vent runs off 24 volts DC and may be connected to the wheelchairs power supply in a variety of ways. *(See Related Products below for input power cable options.)* Being neat and tidy with the cords is very important and will help ensure that the user will not get snagged on a cord while the chair is in operation.

Testing :

This test should be performed with a ventilator that is not in use.

- Step 1 Connect the input power cable as directed in the accompanying Input Cables manual.
- Step 2 Plug the input cable into the PowerTech Vent.
- Step 3 Verify that the light located on the front panel of the PowerTech Vent illuminates green immediately.
- Step 4 Unplug the PowerTech Vent. The green light should extinguish after a few moments.
- Step 5 Carefully connect the output cable with the ventilator.
- Step 6 Plug the output cable into the PowerTech Vent
- Step 7 Plug the input cable into the PowerTech Vent again.
- Step 8 Verify that the light located on the front panel of the PowerTech Vent illuminates green immediately.
- Step 9 Verify that the external power indicator on the ventilator lights.
- Step 10 Verify that the charge status light indicates that the vent is also charging. *(Ventilator dependant)*

Use :

Contact your Respiratory Therapist, Doctor, or other properly trained qualified personnel for ventilator setup.

Technical Specifications

Input Voltage: 24 volts DC

Output Voltage: 12 volts DC

Maximum Current: 15 amps

Service

DO NOT OPEN the PowerTech Vent Power Center. This will void the warranty. The fuse is the only serviceable part. Please contact Richardson Products Inc. about any problems

Fuse Replacement :

8 amp, 250 volt fast acting glass fuse (1 ¼" x ¼")

www.Mouser.com

part#: 576-0312008.hxp

www.RadioShack.com

part#: 270-1014

Related Products

product #	description
060760	PowerTech Cable, Input- Joystick Charging Port
060761	PowerTech Cable, Input- Battery Ring Terminals
060772	PowerTech Cable, Input- Anderson Connectors

Warranty and Disclaimer

Richardson Products Inc. warrants that the PowerTech Vent Power Center shall be free from defects of workmanship and materials and will perform in accordance with the product specifications for a period of one (1) year from the date of sale by Richardson Products Inc. to the dealer. If the product fails to perform in accordance with the product specifications, Richardson Products Inc. will repair or replace, at its discretion, the defective material or part. This warranty does not cover damage caused by accident, misuse, abuse, alteration and other defects not related to material or workmanship.

Richardson Products Inc disclaims all liability for economic loss, loss of profits, overhead or consequential damages which may be claimed to arise from any sale or use of this product.



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