

VOLT MINDER® SHALL NOT BE USED FOR MEDICAL DEVICE APPLICATIONS!!!

THANK YOU FOR PURCHASING THE VOLTMINDER!

We sincerely appreciate your business. We are confident that you will be happy that you now own a Voltminder. If you have any comments or questions about the Voltminder, please do not hesitate to contact us:

Email: info@voltminder.com

Phone: 307-200-0455

Mailing address:

Voltminder Inc.

165 Applecross LN

Pottsboro TX 75076

LIMITED WARRANTY

Voltminder Inc. warrants your unit to be free from defects in material and workmanship, excepting abuse or misuse, for a period of 180 days from the date of the sale to the original user or consumer purchaser.

This warranty is non-transferable. If your unit malfunctions or fails within the warranty period because of a defect in material or workmanship, Voltminder Inc. will replace or repair the unit (at our discretion). Replacement will be made with a new or re-manufactured product or component. If the product is no longer available, replacement may be made with a similar product of equal or greater value.

This warranty is in lieu of all other express warranties. The duration of any implied warranty, including but not limited to any implied warranty or merchantability or fitness for a particular purpose, made in respect to your unit is limited to the period of the express warranty set forth above.

For warranty service, please contact us at **info@voltminder.com** or Voltminder, 165 Applecross LN, Pottsboro TX 75076.

If a warranty return is necessary, proof of purchase is required. Voltminder Inc. is not responsible for shipments delayed or lost in transit.

In no event shall Voltminder Inc. be liable for consequential or incidental damages. Some states do not allow limitations on the length of the implied warranty or the exclusion or limitations of

incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may have other rights, which may vary from state to state.

If you have any technical questions, please send inquiries by email to info@voltminder.com

IMPORTANT: In order for the Voltminder to work, the power outlet must be “hot” (energized) at all times, even when the vehicle ignition is turned off. The alarm will remain at the level that you had previously set regardless of how many times you connect and disconnect the unit. Be sure to read through the Owner’s Manual completely prior to installation. This also applies if you chose to “hard wire” your Voltminder rather than using the power outlet.

INSTALLATION

Installation, setup, and hardwiring video instructions can be viewed at:

<http://www.voltminder.com/videos.html>

Voltminder packaging includes:

Voltminder unit – 1

Voltminder power cord (6 ft) - 1

Mounting screws/washers - 4

Velcro strips - 2

Wire nut connectors - 2

The Voltminder can be mounted to a flat surface using the 4 mounting screws (included in the package) or behind a flat surface that has a hole cut in it to allow viewing the display and controls. Other mounting options are acceptable as long as there is room for the power cord.

Using a fuse at the Voltminder voltage source is very important.

Using a fuse at the Voltminder voltage source is very important. (it’s so important, we mentioned it twice!)

In over 20 years, Voltminder has never been known to blow a fuse or even quit working. We have seen a problem when the installer (especially when hardwiring the Voltminder) places the Voltminder wire between two close fitting parts, resulting in wearing through the wires over a period of time. When this happens with no fuse installed, wires will melt and smoke will occur.

USE THE FUSE. PLEASE!

If you must replace the fuse that is supplied with your Voltminder, it must be of the proper amperage for your system. Fuse ID is **F1AL250V**

Do not use a fuse with amperage GREATER THAN 2.

OPERATING INSTRUCTIONS

1. When first turned on, a “beep” will sound for approximately 5 seconds.
2. Press/release the “BACK LIGHT” button to increase the LCD brightness (after 4 presses, the brightness will return to its lowest setting)
3. Press/release the “MODE” button to put the Voltminder into “Set Alarm” mode
4. Press/release “Set ON” and “Set OFF” buttons to adjust alarm voltage up (ON) or down (OFF) by .05 volts per click.
5. When the desired alert voltage is displayed, Press/release the “MODE” button to exit the “Set Alarm” mode
6. Press/release OFF, then press/release ON to activate the alarm
7. Disconnecting the Voltminder from the power source will NOT change the alert voltage setting.

NOTE REGARDING ALERT VOLTAGE

The Voltminder can be adjusted for use on **12, 24, 36** and **48 VOLT** systems.

Suggested alert voltage settings for:

12 volt system = 12.05 volts

24 volt system = 22.05 volts

36 volt system = 33.05 volts

48 volt system = 43.5 volts

However, the actual alert voltage should be determined by you depending on your requirements.

To test the alert voltage alarm, the battery voltage will have to be reduced to the alert voltage. This can be accomplished by turning on available devices that draw power from the battery, such as lights, radio, heater, stop lights, or, in the case of golf carts, driving the cart.

WHAT TO DO WHEN THE ALERT VOLTAGE ALARM SOUNDS

IF THE ENGINE IS NOT RUNNING:

If it is safe to do so, start your engine to begin charging the battery.

Determine what electrical operation caused your battery voltage to drop to the alert level.

Keep in mind that the voltage displayed on the Voltminder when the engine is running indicates the voltage being produced by your alternator.

When the engine is not running, Voltminder displays the battery voltage output.

IF THE ENGINE IS RUNNING:

If you are in motion, stop your vehicle when it is safe to do so.

When the alarm sounds while the engine is running, the usual causes are that the alternator is not generating voltage OR there is an internal failure of the battery.

It is important that the cause of the low voltage be determined before running the engine again.

Voltminder customers have used their Voltminder in many vehicles, including cars (combustion engine and electric), pickup trucks, Big Rigs, motorcycles, RVs, boats, as well as with solar battery systems.

Because the new Voltminder can monitor systems up to 48volts, it can now be used with golf carts, airplanes (check with your A&P before installing), and almost all vehicles that use DC batteries

In the case of a golf cart or any other battery-operated machine, Voltminder will display full time battery voltage. Again, it takes 25 seconds of below alert voltage time for the beeper to sound.

To calibrate the applied voltage, you must measure that voltage with an accurate voltmeter. A digital voltmeter is best to use. Voltminder has been calibrated at the 12 volt range. For voltages above that (24, 36, 50 or anything in between) you will have to recalibrate Voltminder. To do this, disconnect the Voltminder power cord. Press & hold the backlight button.

WHILE PRESSING THE BACKLIGHT BUTTON:

- 1) Reconnect the power cord
- 2) adjust the Voltminder voltage by pressing & releasing the on(up) or off(down) buttons

When voltage is to your choice, release the backlight button.

The first time your Voltminder reaches alert voltage, your LCD will flash off and on. When the voltage goes above beeper voltage the LCD will either be off or on. If it is off, push the backlight button on and off until you get the desired brightness. The next time the beeper sounds on and off, the LCD will be at the lowest brightness setting. If the Voltminder is disconnected, you will have to do this brightness operation again.