



OPERATING INSTRUCTIONS

LVI- Low Voltage Alarm and Interrupt

Designed for all lead acid batteries

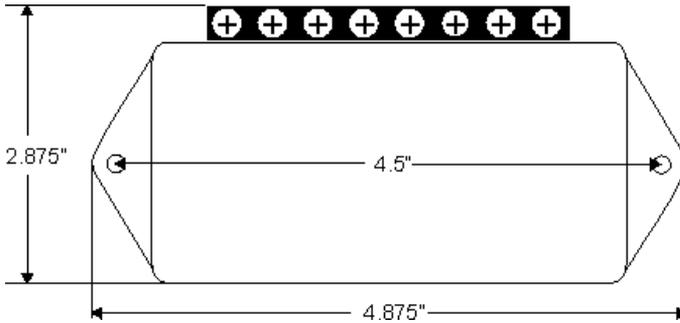


INTRODUCTION:

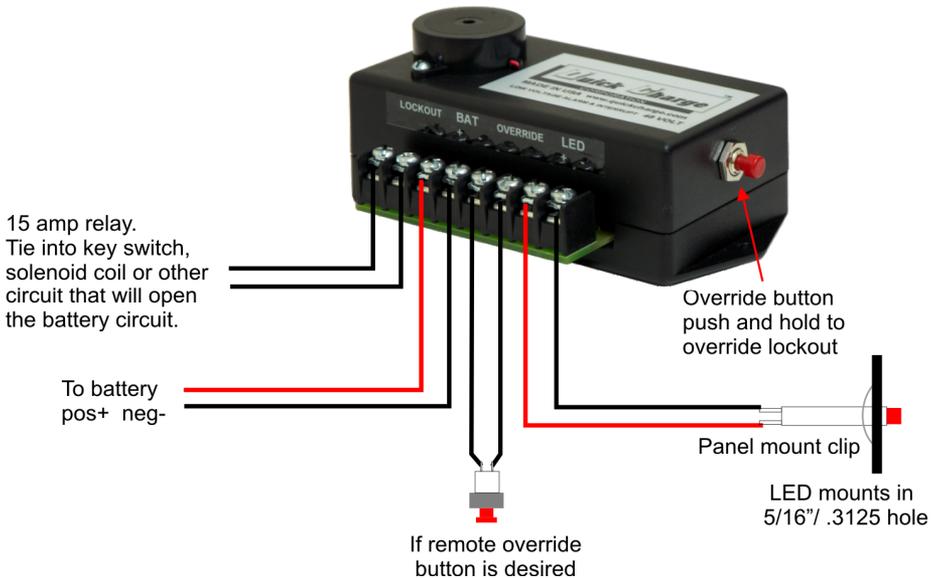
The LVI is designed to prevent the over discharge of lead acid batteries which is one of the leading causes of premature failure. This includes, deep cycle, starting, AGM, and gel types. The LVI uses visual, audible, and functional features to alert the operator that the battery(s) are approaching harmful low levels so that damage can be averted. The LVI is voltage specific and is available in 12, 24, 32, 36, 48, 64, 72, and 96 volts. Other voltages can be configured upon request.

INSTALLATION:

Mount the LVI where it can be protected from physical damage, moisture, or extremely dusty areas.



Be sure the voltage of your LVI matches the batteries it will be connected to. Wire the desired features of the LVI as shown in the illustration.



OPERATION:

As soon as the LVI is connected to the batteries it will audibly signal the connection, and instantly begin to monitor.

The factory set alarm point is 1.75 volts per cell. When this point is reached, the alarm will sound, and if the LED light is connected it will begin to flash in sync with the tone. The lower the voltage goes past 1.75vpc, the faster the alarm and flash will be. If the load is lessened or removed, the alarm and flash will slow, or stop if the voltage recovers above 1.75vpc. If the alarm is ignored, and the voltage continues to fall to 1.6 vpc, and the lockout circuit is connected, continuity will open on the two wires and remove the load, or load controlling device. The capacity of this circuit is 15 amps. The lockout may be overridden by pressing the red button which may be remoted with an additional button if desired. The button must be held continuously to override, releasing it will reinitiate the lockout. The use and location is important. If it is too easy to override the lockout, the purpose of the LVI is defeated. If on the other hand you are operating an electric vehicle and you cannot make it back to an electrical outlet for recharge, the ease to override the lockout may be very important.

ADJUSTMENTS:

Remove four screws holding the case together. If you want to raise or lower the alarm start point you also adjust the lockout point, so think of it as adjusting a window with the same differential between alarm and lockout. Use a small screw driver and adjust the pot as shown. This is best done by connecting the LVI battery connections to a power supply where the adjustment can be made accurately. You can also disable the alarm by cutting the diode as shown.

To change alarm window.
Factory set to start at 1.75vpc,
cut out at 1.6 vpc.

Cut to disable alarm



QUICK CHARGE LVI (low voltage alarm and interrupt) "LIMITED WARRANTY"

Quick Charge Corporation warrants the LVI for (2) years from the date of purchase. After the warranty period, chargers returned to the factory for repair will be charged a minimum rate of \$25.00. Charger will be returned, freight and repair charges, C.O.D. unless other arrangements have been made. This warranty covers all defects in manufacture and performance, provided the unit is operated in compliance with manufacture's operating instructions. For repairs to be made at the Quick Charge factory, a charger and/or component(s) should be sent, freight prepaid to Quick Charge at::

Quick Charge Corp.
1032 S.W. 22nd St.
Oklahoma City, OK. 73109

Quick Charge, will at it's option, repair or replace the charger or component in question. The repaired item will then be returned, freight prepaid by Quick Charge. This warranty is void if the charger or component have been altered, changed, or repaired by anyone not authorized by Quick Charge, or if the charger or component, have been subjected to misuse, negligence, or harsh environmental conditions. (Except those chargers designed for such conditions) If returning the charger to the factory is not practical, replacement parts may be shipped to the customer for field repair at no charge. On parts such as circuit boards, the customer will be required to return the board suspected to be defective to Quick Charge, freight prepaid. If such defective parts are not returned, the customer will be invoiced for the repair parts. Field repairs are made at the user's own risk. "Authorization" by Quick Charge to repair refers to maintaining the warranty only. Quick Charge assumes no responsibility or liability for field servicing, and shall not be responsible for incurred travel or labor charges. Quick Charge corporation shall not in any event be liable for the cost of any special, indirect or consequential damages to anyone, product or thing. This warranty is in lieu of all other warranties expressed or implied. Quick Charge neither assumes nor authorizes any representative or other person to assume for us any liability in connection with the sale of this product.

Quick Charge Corp. 800 658-2841 e-mail quickcharge@icnet.net
www.quickcharge.com Made in the U.S.A