



## Tools Required:

- Drill
- Screwdriver
- Wire cutters
- Wire strippers
- Crimping tool
- Heat gun/hairstyler

## Required Installation Accessories: (Not included)

- Fuse Holder and Fuse or Circuit Breaker
- Mounting screws or nuts and bolts
- Wire
- Fuse Holder and Fuse or Circuit Breaker for load if load is not already fused

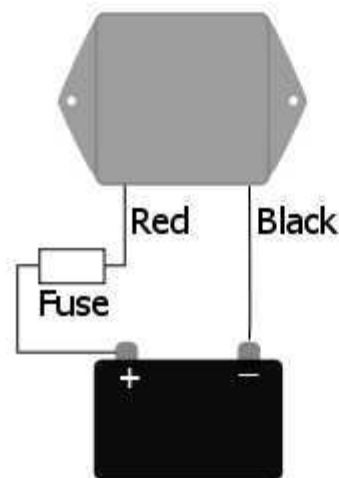
### STEP ONE - Mount the LVD Controller

Choose a suitable location to mount the LVD Controller. Do not mount the LVD Controller in a location exposed to direct sunlight.

Use appropriate hardware to mount the device.

### STEP TWO - Connecting the LVD Controller to the battery negative terminal

Connect the black wire from the LVD to the battery negative terminal.



### STEP THREE - Connecting the LVD Controller to the battery positive terminal with a series fuse.

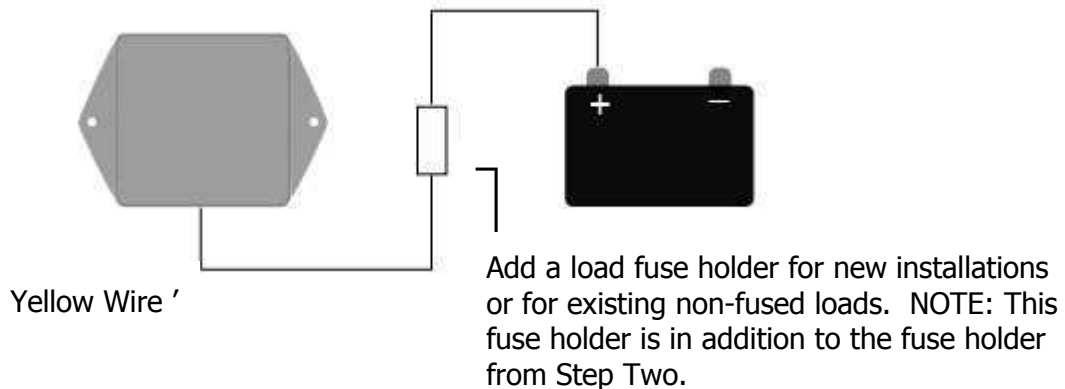
Connect the red wire from the LVD to a fuse holder with the fuse removed. Connect the other end of the fuse holder to the battery positive terminal.

STEP THREE - Connecting the load to the LVD and battery positive terminal. For new installations or loads not already fused, add a series fuse for the load.

---

#### NEW INSTALLATIONS OR EXISTING UNFUSED INSTALLATIONS

If this is a new installation or if the existing installation did not use a fuse, add a fuse holder inline with the yellow wire from the LVD controller and connect the other end of the fuse to the battery positive terminal.



---

#### EXISTING INSTALLATIONS ALREADY INSTALLED WITH A FUSE

For existing installations already installed with a fuse, remove the load connection from the existing fuse holder. Connect the yellow wire from the LVD controller to the existing fuse holder where the wire was just removed. Connect the wire removed from the fuse holder to the white wire on the LVD controller.

STEP FOUR - Connecting the load to the LVD and battery negative terminal.

---

#### NEW INSTALLATIONS AND EXISTING UNFUSED INSTALLATIONS

For new installations or existing unfused installations, connect the positive connection from the load to the white wire from the LVD controller.

Connect the negative connection from the load to the battery negative terminal.

---

#### EXISTING INSTALLATIONS ALREADY INSTALLED WITH A FUSE

The negative connection on existing loads was not disturbed during installation and should already be connected to the battery negative terminal. You may proceed to the next step.

STEP FIVE - Insulate and secure all wiring from the LVD controller.

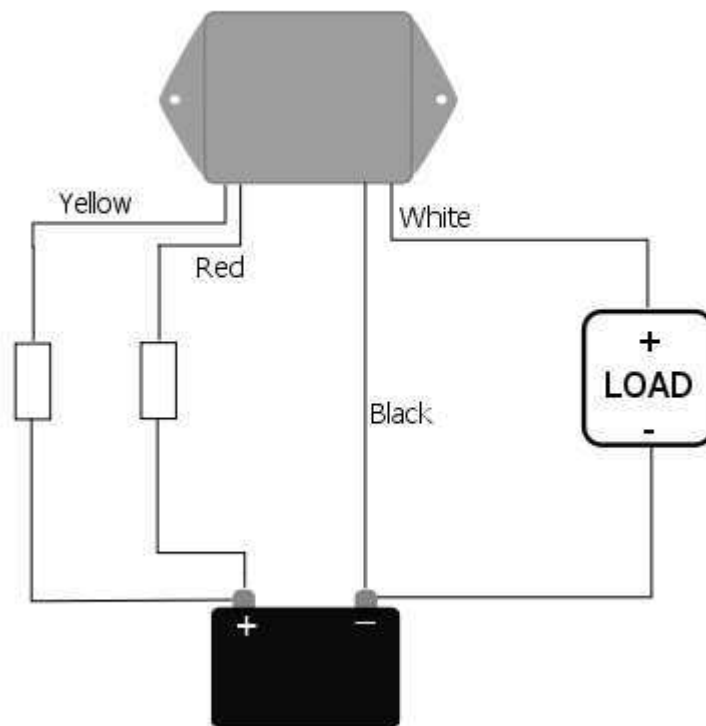
Secure the wires in such a way that they will not interfere with other equipment or become damaged during use.

STEP SIX - Insert the fuse into the fuse holder or switch the circuit breaker to the "on" position

Once the fuse is inserted into the fuse holder or the circuit breaker has been set to the "on" position, installation is complete. The LVD will now monitor your battery and automatically disconnect your device if the voltage drops below a safe level.

Thank you for choosing the LVD controller from Power Planted LLC™

### COMPLETE WIRING SCHEMATIC WITHOUT OPTIONAL LV SIGNAL CONNECTIONS



## COMPLETE WIRING SCHEMATIC WITH OPTIONAL LV SIGNAL CONNECTIONS

### Optional Low Voltage Signal Connection:

Any device that draws 600mA or less may be connected directly to this wire. Use a relay for switching a higher load. Shown are the three most common uses for the low voltage signal connection. NOTE: Connect only one device to the low voltage signal connection.

