

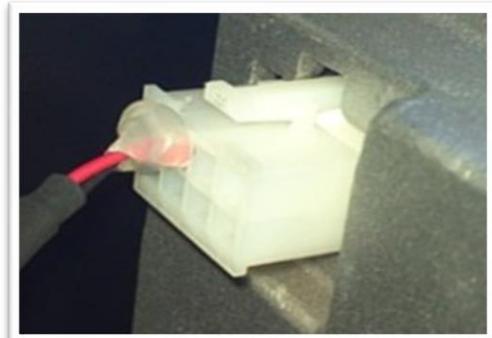
1. Unpack the monitor, antenna and the data/power cable. The data/power cable is a black cable with DB9 data connector on one end and plastic snap-connector on the other end with red and black wires emerging from the connector labeled 'OmniMetrix End'. Take a moment to inspect all components to verify there is no shipping damage.
2. Route the antenna cable out of the back of the enclosure under the hinged cover and across the foam weather strip. The antenna used for transmitting must be installed to provide a separation distance of at least 20 cm from all persons and must not transmit simultaneously with any other antenna transmitters. Attach antenna to roof or back wall of enclosure, low enough to clear the lid when open but as high off the ground as possible. Attach the antenna cable to the front of the monitor and tighten thumb tight. Be sure to provide a drip loop lower than the monitor to keep water from running down into the monitor connection. *Note: If mounted vertically, install the monitor with the cables down to prevent water from entering the enclosure.*
3. Attach the monitor via its magnetic feet, on top of the engine controller or other appropriate location. Horizontal surfaces are best, but the unit may be mounted vertically or even upside down if necessary.
4. Route the data cable and connect to the 8 pin port on the back of the Nexus Control Panel. Connect the data cable to the monitoring module, and tighten the connector screws. Make the power connections to the battery terminals at this time.
5. Turn on monitor and confirm that the LEDs light up and blink. If not, verify connections at the battery terminals. If, after 5 minutes, the only LED lit is the Power LED, check the antenna mount and cable connection.
6. Allow 15 minutes for the monitor to log into the network and then call OmniMetrix® at 770-209-0012 to confirm installation. Access to machine data is through the OmniView® web interface at [www.omnimetrix.net](http://www.omnimetrix.net). Contact OmniMetrix for login instructions and web training.



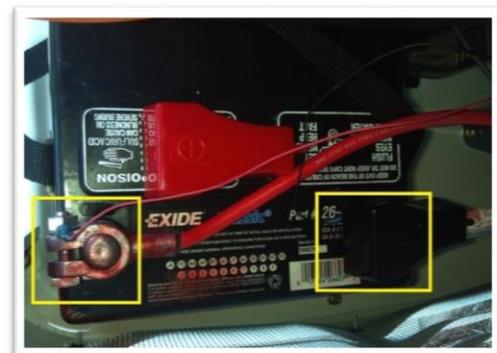
Data/Power Cable



Monitor in Horizontal Position



Data Cable connected to NEXUS Controller



Power Cable connected to Battery

## Front Panel LED Operation

### **Power Up:**

All LEDs will flash indicating code start up. During the cellular network login process, the LEDs all start ON in a bar graph fashion. The “bar” will diminish from right down to the left until all are OFF. It will then rebuild the bar from left to right. Once the unit succeeds in connecting to the wireless network, a zigzag display of a single LED will cycle back and forth indicating the successful login. The changing LED conditions indicates that the login process is under way. This process may repeat, including pauses along the way. If you see the unit repeatedly performing the first few steps without ever achieving the final zigzag, contact OmniMetrix for guidance.

### **Run Time:**

LED 1 (Activity) blinks on a regular basis to show the unit is operating.

LED 2 (Modbus) blinks whenever a successful Modbus network exchange occurs.

LED 3 (Network) is illuminated when the unit is connected to the cellular network.

LED 4 (Running) is illuminated when the Running condition is detected.

LED 5 (Fault) is illuminated when a fault condition occurs, including Modbus faults.

LED 6 (Power) is illuminated when the input voltage to the unit is above 12 VDC - if LED is blinking, it is an indication that the unit is running on internal battery. If the unit has external power, it may be that the fuse has opened.

**If you have any questions, please call OmniMetrix Tech Support at 770-209-0012 or email at [techsupport@omnimetrix.net](mailto:techsupport@omnimetrix.net).**