

1. The OmniMetrix® Mobile Cellular remote generator monitor is designed and built for mobile generators and assumes that the mobile generator has a battery switch used to disconnect the battery from the generator control when the machine is at rest. The monitor operates in an ultra-low power mode when the battery switch is turned off and operates in the traditional monitoring mode when the battery switch is turned on.
2. Place the antenna on top of the generator, preferably where there is no insulation. Drill a ½” hole, feed the antenna cable through the hole and add a bead of caulk around the hole and add a small amount of caulk to the antenna mounting stud threads. Tighten the nut finger tight plus ½ turn. Route the antenna cable to the generator control area and secure any excess cable length after completing the installation.
3. The Mobile Cellular monitor utilizes a split antenna cable. Connect the antenna cable end labeled *Cell* or *4G* or *LTE* to the “RF” connector on the front of the Omnimetrix monitor, and the cable connector labeled *GPS* to the GPS connector on the front of the OmniMetrix monitor.
4. The data/power cable provides the traditional RED wire and BLACK wire to be connected to the generator battery (+ and -, respectively) to power the monitor, and a WHITE/GRAY wire, used to sense when the battery switch is closed and the generator control is powered. Most generator battery switches disconnect the + side of the battery circuit, between the Battery+ and the generator control B+ input. In some other brands, (CAT for example) the battery switch interrupts the ground side of the generator control.

Please take note of the type of battery switch logic used on your generator installation. Follow the power connection examples shown in *Figures 1 & 2*, according to the battery switch logic, when installing the monitor.

5. When the monitor is in low power mode and the generator is in motion, the GPS location is reported in approximately 7.5 minute intervals. Once motion stops, the location reporting reverts to daily.
6. Call OmniMetrix at 770-209-0012 to confirm installation. Access to machine data is through the OmniView® web interface at www.omnimetrix.net. Contact OmniMetrix for login instructions and web training.



Power/Data Interface Cable



LTE/GPS Combo Antenna



Drill ½” hole for antenna & cable

Mobile monitor front display with two antenna connections: RF (4G/LTE) and GPS



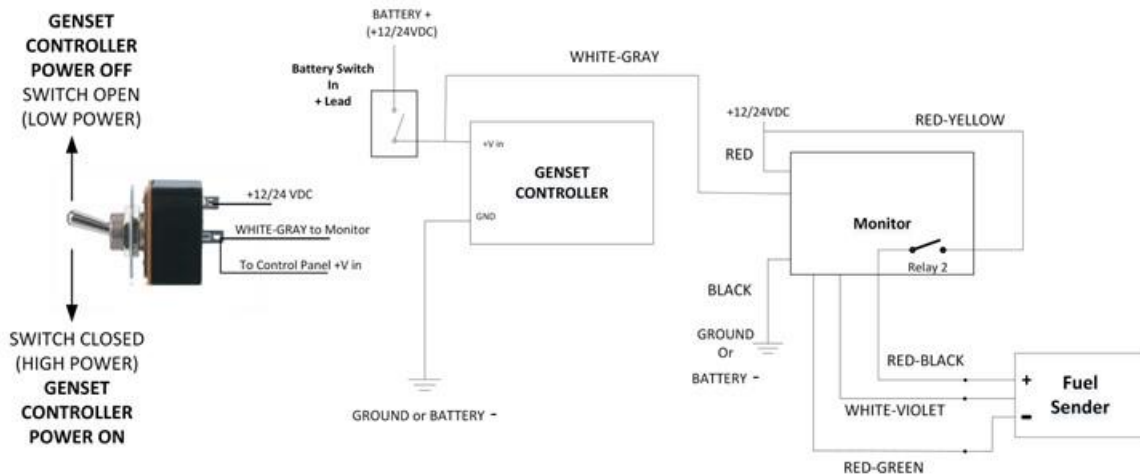


Figure 1 – Switch on battery positive lead (B+)

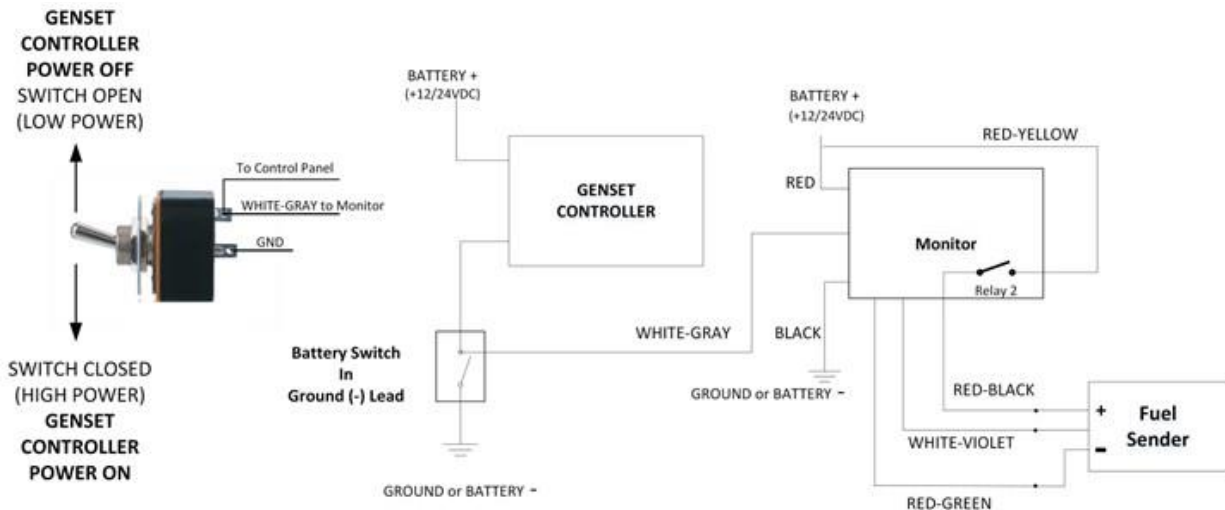


Figure 2 – Switch on battery negative lead (B-)

NOTE:

The Power Switch on the Mobile Cellular monitor is non-functional. The monitor is always ON to prevent loss of monitoring due to accidentally turning the monitor off. When wired as shown in these diagrams, the monitor goes into a very low power SLEEP mode to avoid discharging the generator battery. To turn the monitor completely OFF, it is necessary to disconnect the red wire from the battery.

If you have any questions, please call OmniMetrix Tech Support at 770-209-0012 or email at techsupport@omnimetrixconnect.com.