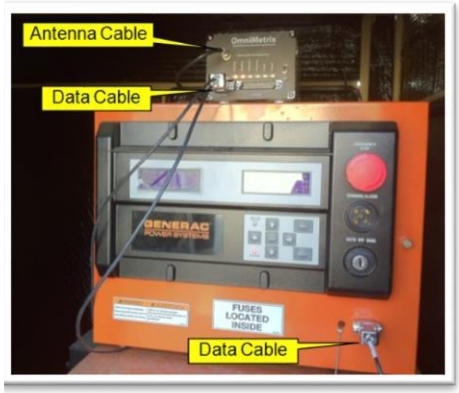
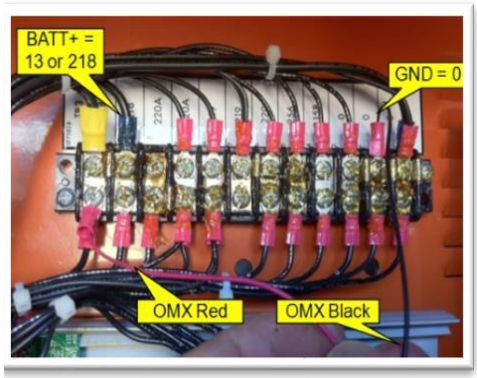
1. Unpack the monitor, antenna and the data/power cable. The data/power cable is a black cable with DB9 data connectors on two ends and red/black wires emerging from the connector labeled OmniMetrix® End. Take a moment to inspect all components to verify there is no shipping damage.
2. Place the antenna vertically on the roof of the generator and route the antenna cable into the area of the generator control. 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. BE SURE to provide a **drip loop** lower than the monitor to keep water from running down the antenna cable 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 to the top of the generator control enclosure, as shown.
4. Route the red and black wires, of the OmniMetrix data/power cable, through the cable entry on the back of the generator control by raising the cable entry gate and sliding the wires through. Be sure to retighten the gate screws.
5. Locate the terminal strip inside the generator control enclosure. Attach the black wire to the ground terminal labeled '0' on the right end of the terminal strip. Attach the red wire to the 'Battery**+**' terminal on the left end of the terminal strip. On 12V systems, 'Battery**+**' will be labeled '13' or '15'. On 24V systems, it will be labeled '218' or '220'.
6. Attach the antenna cable to the front of the monitor and tighten thumb tight.
7. Plug the data cable end labeled "Omnimetrix End" into the DB-9 connector on the front of the OmniMetrix monitor and tighten screws.
8. Plug the other data cable end into the Generac data connector and tighten screws.
9. Turn on the monitor and confirm that the LEDs light up and blink. If not, check for power on the terminal strip. If, after 5 minutes, the only LED lit is the Power LED, check the antenna mount and cable connection.
10. 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. Contact OmniMetrix for login instructions and web training.

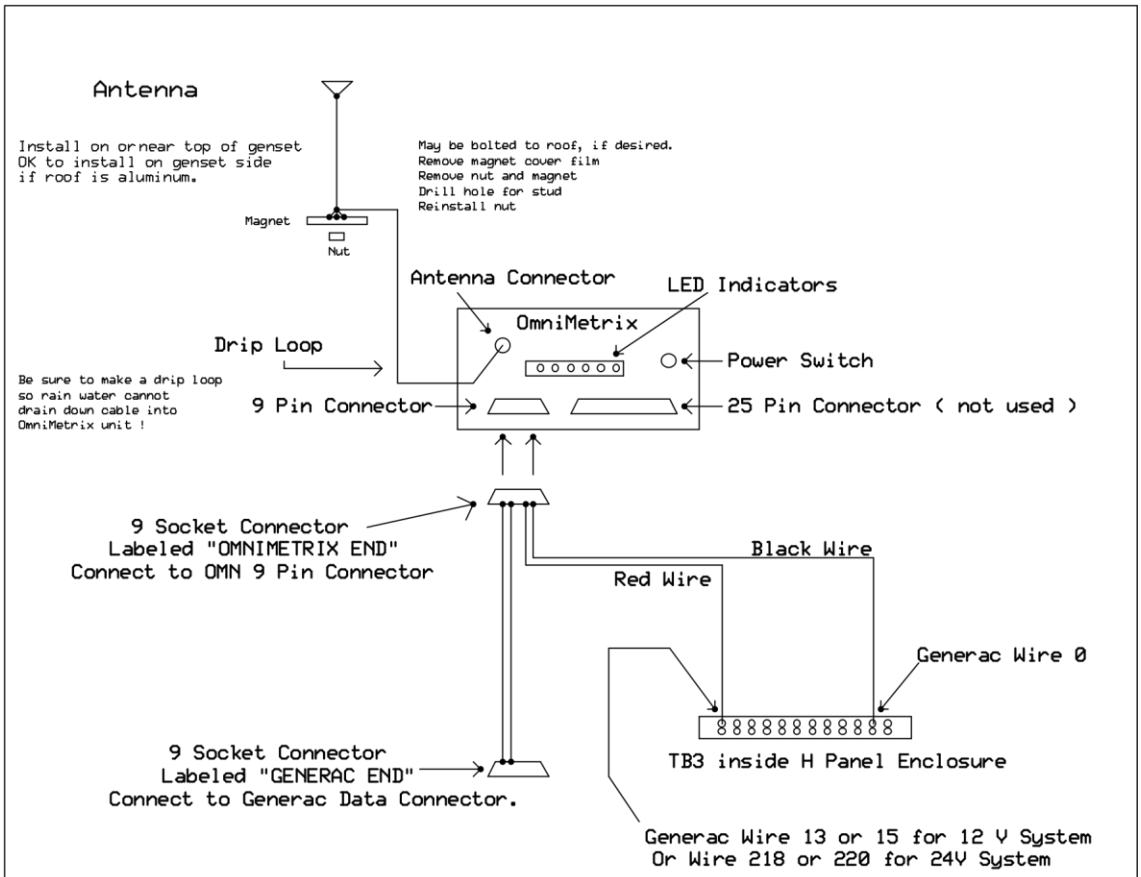
Data/Power Cable



Data Cable and Antenna Cable Connections.



Power Cable Connections



General Wiring Steps:

1. Install Antenna on or near roof.
2. Connect the Red and Black power wires to the Terminal Strip TB3
3. Connect DB9 connector to the OMN unit.
   Make sure it is the end marked OMNIMETRIX END!
4. Connect DB9 connector to the Generac Data Connector.
   Make sure it is the end marked GENERAC END!
5. Turn on Power Switch on the OmniMetrix monitor.
   LEDs should begin to flash.
   If not, check power connections with volt meter.
6. Wait 15 minutes for unit to make online connection.
   Call OmniMetrix at 770-209-0012 to confirm operation.

OmniMetrix LLC		
G8500 - Generac H Panel		
George P Burdell	Rev 3.0 2/20/2015	2013IM004

If you have any questions, please call OmniMetrix Tech Support at 770-209-0012, Option 2 or email at techsupport@omnimetrixconnect.com