OMNIMETRIX
GLOBAL MONITORING + CONTROL

==TrueGuard 2™ is for use on 12v systems only.==

1. Unpack the monitor and antenna. The data/power cable will be attached to your monitor. This cable includes wires to power the monitor as well as wires for alarm inputs and relay outputs. Take a moment to inspect all components to verify there is no shipping damage.

2. Place the antenna on the roof of the generator and route the antenna cable into the area of the generator control. If the mounting surface will not hold a magnetic antenna, install the steel mounting plate provided on the surface and install with the mounting hardware. 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 prevent water from running down the antenna cable into the monitor connection.

TrueGuard 2

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. *Note: If mounted vertically, install the monitor with the cables down to prevent water from entering the enclosure.*

4. Route the data/power cable into the generator control enclosure and make the power connections at this time.

5. The monitor connects to the generator controller using the wiring table below on Page 2.

6. Once setup is complete, 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.

TrueGuard 2 Monitor Wiring Table		
OMN WIRE	**TERMINATION**	**FUNCTION**
Red	Battery +	Power Supply +
Black	Battery -	Ground (Battery -)
Orange	Alarm Input 1	Engine Running
Blue	Alarm Input 2	Common Alarm
Violet	Alarm Input 3	(Optional)
Gray	Alarm Input 4	(Optional)
White/Yellow	Stop/Start Relay-Normally Open	Remote Stop/Start
White/Brown	Stop/Start Relay-Common	Remote Stop/Start

LED BEHAVIOR:

The BLUE LED will illuminate at boot up (stay on). The LED will start blink rapidly, on/off every 1/2 second, once the modem is connected to an available tower. The LED will begin to blink more slowly, three seconds on, three seconds off, once the modem has connected to the OmniMetrix server. Note: The BLUE LED is an indication of network service. If it continues to stay illuminated (on), please check the SIM card, antenna, and signal strength.

The Red LED illuminates approximately 20 seconds after the Blue LED illuminates. A solid Red LED indicates the unit is trying to log into our server.

After approximately 20 seconds, Red LED turns off and the Green LED illuminates for 3 seconds. This indicates the unit has logged into our server.

The Red LED or Green LED flashes after login: Short Green LED flashes indicate the monitor is getting data; Long flashes of the Red LED indicate failure.

Signal Strength: LED signal strength indication is provided at login and routinely during operation, using the Red & Green LED's as follows:

1. The Red & Green LED's flash rapidly for 2 seconds to indicate the beginning of the "Signal Strength" routine.
2. Next, the LED(s) will stay fully illuminated 2 seconds to indicate the current signal strength:
   a. Solid Red LED only = below 10
   b. Solid Red & Green LED's = 10~60
   c. Solid Green LED only = greater than 60.
3. To complete the Signal Strength cycle, the Red & Green LED's flash rapidly again for 2 seconds, then stop (end of cycle).

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