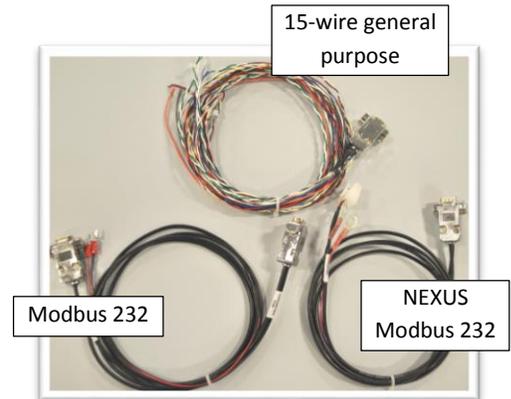


TrueGuard™ is for use on 12v systems only.

1. Unpack the monitor, antenna and the data/power cable. The data/power cable that shipped with your unit depends on the machine type. The connector plugs onto the front of the OmniMetrix® monitor. This cable includes wires to power the monitor as well as wires for alarm inputs, relay outputs and analog inputs. 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 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.
3. Attach the monitor via its magnetic feet, on top of the engine controller or other appropriate location. Mounting the unit vertically is best but the unit may be mounted horizontally. *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. When utilizing the 15 wire cable, the TrueGuard monitor connects to the generator controller using the wiring table on the following page.
6. Attach the antenna cable to the front of the monitor, and tighten thumb tight.
7. Once connected, follow the steps provided on the following pages to configure the monitor. In order to complete the setup, you must know the machine type. Please check the machine types listed on the 'Select Machine Type' screen to verify the loader file for the machine is present. If it is not present, please contact OmniMetrix Technical Support for configuration.
8. 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.



Data/Power Cable Types



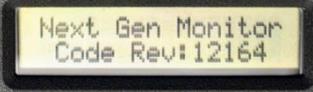
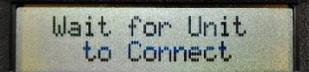
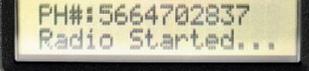
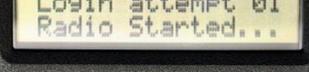
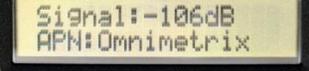
TrueGuard with cables attached

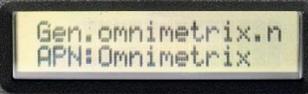
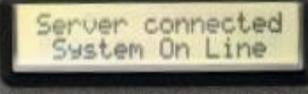
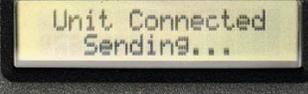
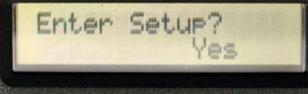
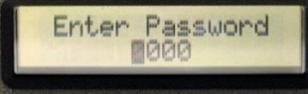
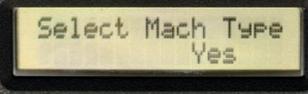


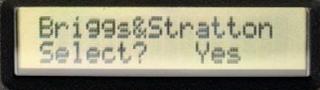
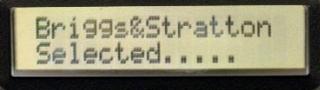
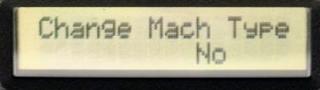
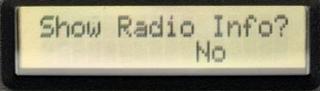
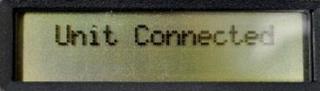
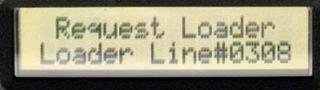
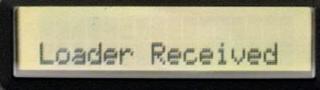
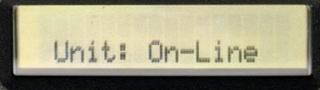
TrueGuard Monitoring Unit

TrueGuard Monitor Wiring Table for 15-Wire Harness		
OMN WIRE	FUNCTION	TERMINATION
Red	DC Supply (Battery +)	Battery +
Black	Ground (Battery -)	Battery -
Orange	Alarm Input 1	Engine Running
Blue	Alarm Input 2	Common Alarm
Violet	Alarm Input 3	Low Fuel
Gray	Alarm Input 4	Low Coolant Temp
White-Blue	Analog In	As Needed
White-Black	Ground for Analog In	As Needed
White-Yellow	Relay Contact A	As Needed
White-Brown	Relay Contact B	As Needed
Red-Green	RS232 RxD	RS232 Serial Data Out
White-Green	RS232 TxD	RS232 Serial Data In
White	RS485 D+	RS485 D+
Green	RS485 D-	RS485 D-
White-Red-Black	Switched 5V	As Needed

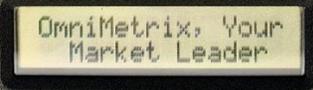
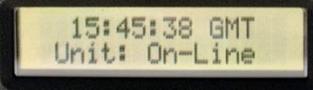
TrueGuard Operating Screens:

	<p>1. The initial startup screen (the actual revision number may vary).</p>
	<p>2. Wait for the unit to connect to the cellular network.</p>
	<p>3. The unit will display the next several screens while attempting to connect to the cellular network.</p>
	<p>4. The unit may make several attempts to connect.</p>
	<p>5. Recommended signal strength is greater than 10. Signal strength less than 10 could result in inconsistent performance.</p>

 <p>Gen.omnimetrix.n APN:Omnimetrix</p>	<p>6. The unit is delivering information. No action is required.</p>
 <p>Gen.omnimetrix.n 192.168.000.030</p>	<p>7. The unit is delivering information. No action is required.</p>
 <p>Server connected System On Line</p>	<p>8. The unit has connected to the server. A solid red light on the front of the unit signifies the unit has connected.</p>
 <p>Unit Connected Sending...</p>	<p>9. The unit has connected and is sending data to OmniMetrix.</p>
 <p>Unit Connected Press Knob</p>	<p>10. The unit is now connected and ready for setup. Press the knob anytime for setup. Steps 10-22 are for first time setup. Steps 24-29 will be repeated in a continuous loop once setup is complete.</p>
 <p>Set Contrast? No</p>	<p>11. If the display is difficult to read, the contrast may be adjusted at this point.</p>
 <p>Enter Setup? Yes</p>	<p>12. Turn the selector knob to choose 'Yes', and then press the knob to enter setup.</p>
 <p>Enter Password 000</p>	<p>13. The default password is 5225. Turn the knob and then press in to select the numbers.</p>
 <p>Select Mach Type Yes</p>	<p>14. Select 'yes' to set the machine type of the controller.</p>
 <p>Briggs&Stratton Loader ID:03143</p>	<p>15. Scroll through the alphabetical list to find the needed controller type. If the controller type is not present, please call OmniMetrix Technical Support for assistance.</p>

	<p>16. Press the knob in to select. Confirm selection by choosing 'yes'.</p>
	<p>17. The unit displays the selected controller type.</p>
	<p>18. To change the controller type, select 'yes'. Otherwise, select 'no' to continue setup.</p>
	<p>19. 'Show radio info?' displays the SIM and IMEI number for the unit. Select 'no' to bypass this screen.</p>
	<p>20. The unit is connected to the server and is ready to download the loader file.</p>
	<p>21. The unit is requesting the loader file from the OmniMetrix server. When the Loader Line number displays 0999, the upload is complete.</p>
	<p>22. The loader file has completed uploading.</p>
	<p>23. The unit is online. Installation is complete.</p>

After initial setup, the unit repeats the following six screens in a continuous loop.

	24.
	25.
	26.
	27.
	28.
	29.

Troubleshooting:



A red light is present beside the antenna connection on the TrueGuard monitor. If this light is flashing, it is indicative of loss of cellular connection.

A blue light is also present near the antenna connection on the monitor. This light should extinguish after setup is complete. A blinking blue light after the unit is online is indicative of an issue with the unit. The LCD screen will display the fault.

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