1. Unpack the monitor, antenna and the data/power cable. The 25-pin 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. 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.
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.
5. Instructions for wiring the monitor can be found in the table on the following page.
6. Attach the antenna cable to the front of the monitor, and tighten thumb tight.
7. 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.
8. 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
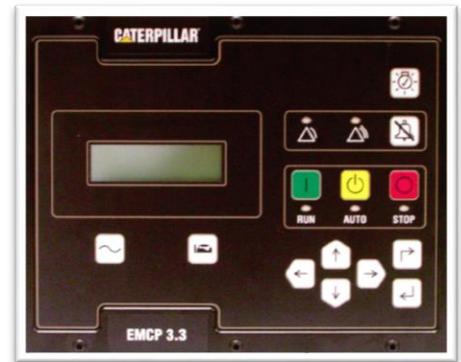


CAT EMCP3 Controller

**Table 1**

| OMN WIRE | FUNCTION | TERMINATION | DIGITAL SELECTORS |
|---|---|---|---|
| ... |

| OMN WIRE | FUNCTION | TERMINATION | DIGITAL SELECTORS |
|---|---|---|---|
| **TrueGuard-PRO EMCP 3.1 HARDWIRE WIRING TABLE/DIGITAL SELECTORS** | | | |
| Red | Power In | Battery + | |
| Black | Ground | Battery - | |
| Orange | Generator Running | Relay 2 | |
| Blue | Common Alarm | Relay 4 | Digital Selector 2, Selection 2 Common Alarm |
| Violet | Common Warning | Relay 3 | Digital Selector 1, Selection 3 Common Warning |
| Gray | Common Shutdown | Relay 6 | Digital Selector 4, Selection 2 Common Shutdown |
| Pink | Auto Mode | Relay 5 | Digital Selector 3, Selection 8 Auto Mode |

The Digital Selectors determine what conditions cause the Relay Outputs to become active. Different conditions are available on the different digital selectors.

**Programming the Digital Selectors:**

1. In order to program the Digital Selectors, go through the following menu options:
   MAIN MENU→CONFIGURE→OTHER→DIGITAL SELECTORS
2. Select the Digital Selector that you want to program. Press the Enter key.
3. Press the Enter key again. The current configuration will be highlighted.
4. Use the Scroll Up key and the Scroll Down key in order to change the value corresponding to the desired condition. (Refer to Wiring Table above)
5. Press the Enter key to save the setting.

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