

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. 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. 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. TB1 terminals 9, 11, 13, and 15 should be daisy-chained together and connected to ground on TB1 Terminal 20 (If connections already exist on these terminals, contact OmniMetrix Technical Support before continuing installation).
7. Attach the antenna cable to the front of the monitor, and tighten thumb tight.
8. 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.
9. 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](http://www.omnimetrix.net). Contact OmniMetrix for login instructions and web training.



Data/Power Cable



PCC2100 Controller



Terminal Block 1

Cummins PCC2100 Wiring Table		
OMN WIRE	FUNCTION	TERMINATION
Red	Power In	TB1 - 17
Black	Ground	TB1 - 20
Orange	Generator Running	TB1 - 14
Blue	Common Warning	TB1 - 8
Pink	Not in Auto	TB1 - 12
Brown	Common Shutdown	TB1 - 10
White/Yellow	Remote Start/Stop	TB1 - 1
White/Brown	Remote Start/Stop	TB1 - 22
Alarm Grounds	Daisy chain Terminals 9, 11, 13, and 15 and connect to Terminal 20 Ground.*	

\*If connections already exist on these terminals, contact OmniMetrix Technical Support before continuing installation).

### Cummins PCC2100 Wiring Table

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

