OMNIPRO

Cummins PCC2100 Hardwire Install Guide

1. Unpack Components
  - Unpack the monitor, antenna, and data and power cable.
  - Inspect all components to ensure there is no shipping damage.

2. Installing Antenna
  - Place the antenna vertically at the center of the roof of the generator.
  - Route the antenna cable into the area of the generator control.
  - Ensure a drip loop lower than the monitor to prevent water from running down the antenna cable into the monitor connection.

3. Attach the Antenna Cable:
  - Attach the antenna cable to the front of the monitor and tighten thumb tight.

4. Attaching the Monitor.
  - Attach the monitor via its magnetic feet, on top of the engine controller or another 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.

5. Connect the Monitor:
  - The monitor can connect to the Cummins PCC2100 via a hardwire connection using the wiring diagram shown below

6. Power On and Check LEDs:
  - Turn on the monitor and confirm that the LEDs light up and blink. (Scan QR code for light sequence)
  - If not, check for power wires at the battery.

7. Confirm Installation:
  - Allow 15 minutes for the monitor to log into the network. Call OmniMetrix at 770-209-0012 to confirm installation.

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Cummins PCC2100 Wiring Diagram			
SLEEVE COLOR	OMNI WIRE	FUNCTION	TERMINATION
Red	Red	Power In (9-30Vdc)	TB1-17
	Black	Ground	TB1-20
Blue	Orange	Gen Running	TB1-14
	Blue	Common Warning	TB1-8
	Yellow/White	Remote Start	TB1-1
	Brown/White	Remote Stop	TB1-22
White	Pink	Not In Auto	TB1-12
	Brown	Common Shutdown	TB1-10
Alarm Grounds	Daisy chain Terminals 9, 11,13, and 15 to Terminal 20*		

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

If you have any questions, please call OmniMetrix Tech Support at

770-209-0012 or email at techsupport@omnimetrix.net