Cummins PCC2100

Installation Guide





Parts List

Item	Part Number	Qty
OMNIPRO Monitor Unit — Hardwire configuration	OMC.340000	1
Cellular Antenna, 4" Magnet Mount	OMC.100105	1
OMNIPRO Power Cable	OMC.240000	1
OMNIPRO 4-alarm RS485 start/stop relay cable	OMC.260000	1

1. Unpack Components

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

2. Install the 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. Attach the Monitor

- Attach the monitor via its magnetic feet on top of the engine controller or another appropriate location.
- Horizontal surfaces are preferred, but the unit may be mounted vertically or upside down if necessary.

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

5. Connect the Monitor

- The monitor connects to the Cummins PCC2100 Controller via wiring diagram shown below

6. Power On and Check LEDs

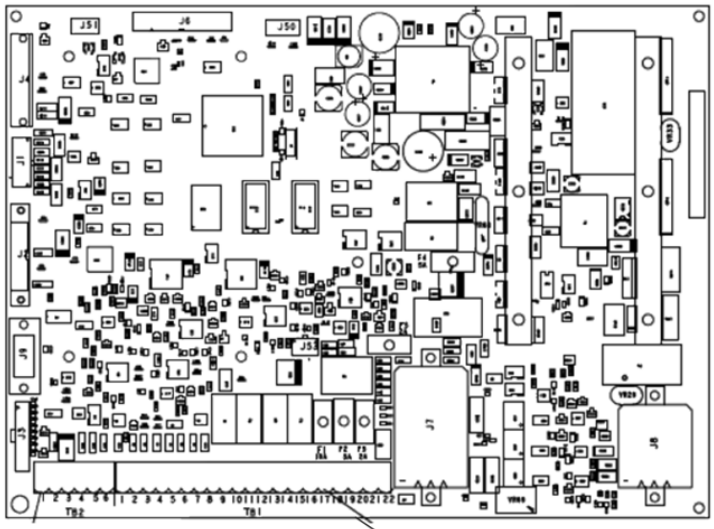
- Turn on the monitor and confirm that the LEDs illuminate and blink.
- If the LEDs do not light, check for power wires at the battery.

NOTE: *Scan the QR code on the unit for the expected LED light sequence.*

7. Confirm Installation

- Allow 15 minutes for the monitor to log into the network.
- Call OmniMetrix on 770-209-0012 or email techsupport@omnimetrixconnect.com to confirm successful installation.

Cummins PCC2100 — Wiring Diagram			
SLEEVE COLOR	**OMNI WIRE**	**FUNCTION**	**TERMINATION**
Red	Red	Power In (9–30 Vdc)	TB1-17
	Black	Ground	TB1-20
Blue	Orange	Gen Running	TB1-14*
	Blue	Common Alarm	TB1-8
	Violet	Not In Auto	TB1-12
	Gray	Over Speed	TB1-10
	Yellow/White	2-Wire Start	TB1-1
	Brown/White	GND for 2-Wire Start	TB1-22
Customer Wire		Daisy Chain Terminals 9,11,13,15 to Terminal 20	
*If TB1-15 is in use and hot, we can put the orange wire on TB1-19			



PCC2100 control board (component side)

