

# OMNIPRO

## Caterpillar EMCP II & II+



### 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 EMCP 1 controller via the wiring diagram below.

### 6. Power On and Check LEDs:

- confirm that the LEDs light up and blink.
- If not, check for power wires at the battery. (Scan QR code for light sequence)

### 7. Confirm Installation:

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

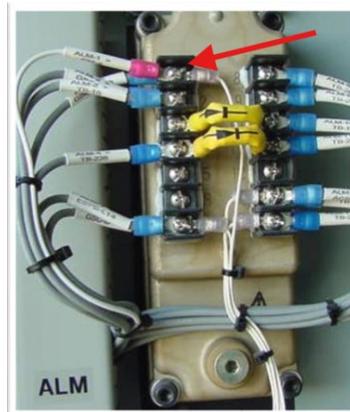
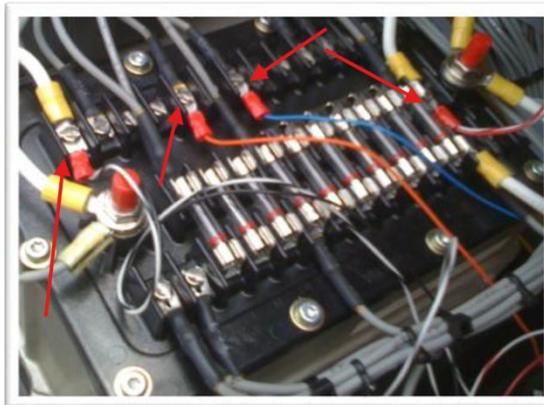


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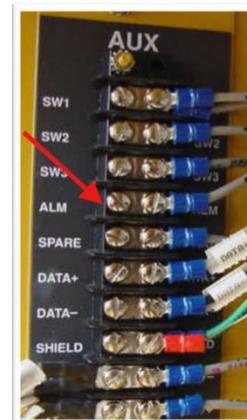
## Caterpillar EMCP II & II+

CAT EMCP II & II+ Wiring Diagram			
SLEEVE COLOR	OMNI WIRE	FUNCTION	TERMINATION
Red	Red	Power In (9-30Vdc)	Battery +
	Black	Ground	Battery -
Blue	Orange	Gen Running	Terminal 24
	Blue	Common Alarm	Terminal 22
White	Yellow/Brown	CAT ALM	Alarm Module - Terminal 2*
*If there is no Alarm Module, look for a terminal strip labeled ALM and connect Yellow/Brown wire there.			
White	Yellow/Brown	CAT ALM	Terminal ALM

\*If there is no Alarm Module, use the 20K OHM Resistor Wire and connect it from ALM to generator B+ to provide the necessary pull-up voltage for the EMCP 1 Open Collector Drive in the ALM Terminal.



Or



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

770-209-0012 or email at [techsupport@omnimetrix.net](mailto:techsupport@omnimetrix.net)

