

OMNIPRO

Kohler APM402/DEC3000 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 DEC3000 via a 2-wire (RS485) Modbus connection.
- 2 wire start/stop may be used by connecting the yellow/white and brown/white wires to TB3-3 and TB3-4.

6. Utilize Modbus Capabilities:

- Connect the OMN white (Data+) and green (Data-) wires to connector P21.

***If a Kohler Annunciator is already connected to this block, you must choose between the OmniMetrix monitor and the annunciator. The DEC3000 will not support both simultaneously, possibly requiring a hardwired connection with the relay kit.**

7. 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.

8. Confirm Installation:

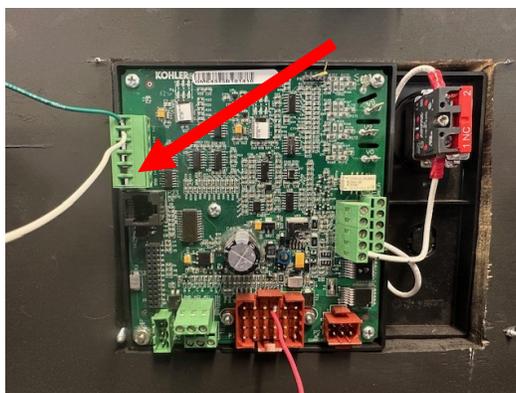
- Allow 15 minutes for the monitor to log into the network. Call OmniMetrix at 770-209-0012 to confirm installation.



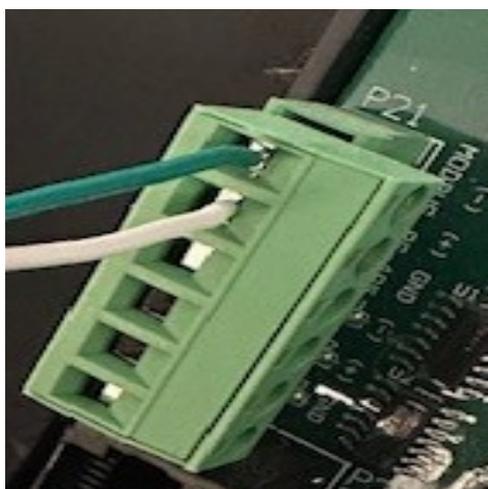
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DEC3000/APM402 Wiring Diagram			
SLEEVE COLOR	OMNI WIRE	FUNCTION	TERMINATION
Red	Red	Power In (9-30Vdc)	Battery +
	Black	Ground	Battery -
Blue	White	Modbus Data +	P21+
	Green	Modbus Data -	P21-
* Optional 2-Wire Start/Stop			
Blue	Yellow/White	2-Wire Start*	TB3-3
	Brown/White	GND for 2-Wire Start*	TB3-4



APM402 Controller (Communication Port P21)



P21 Data+ (White) Data- (Green)

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

