

OMNIPRO

Kohler APM603 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 APM603 Controller via a 2-wire (RS485) Modbus connection.
- *** If a Kohler Annunciator is used, it lands on Terminals 22 and 23. APM603 supports both the OMNI and RSA simultaneously**

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:

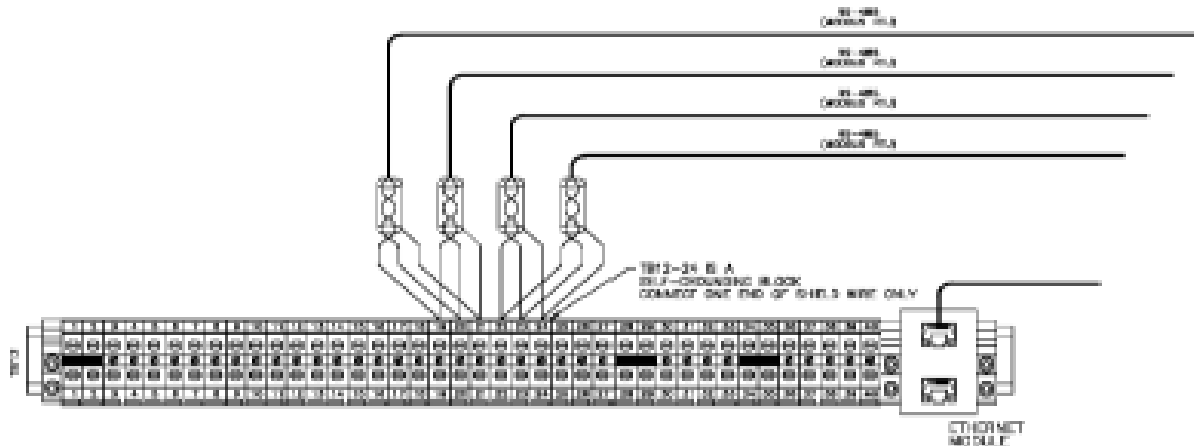
- Allow 15 minutes for the monitor to log into the network. Call OmniMetrix at 770-209-0012 to confirm installation.



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Kohler APM603 Wiring Diagram			
SLEEVE COLOR	OMNI WIRE	FUNCTION	TERMINATION
Red	Red	Power In (9-30Vdc)	Battery +
	Black	Ground	Battery -
Blue	White	Modbus Data +	TB2-20
	Green	Modbus Data -	TB2-19
* Optional Secondary Modbus Connection			
Blue	White	Modbus Data +	TB2-23
	Green	Modbus Data -	TB2-22



Note: Use Belden #9841 or equivalent cable.
Maximum cable length is 1219 m (4000 ft.)

OM60004

CUSTOMER INTERFACE	19	A (-)	ISOLATED RS-485 #3 (MODBUS/PGEN)
	20	B (+)	
	21	SHIELD	
CUSTOMER INTERFACE	22	A (-)	NON-ISOLATED RS-485 #4 (MODBUS RSA)
	23	B (+)	
	24	SHIELD	

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

