



1. Unpack & Inspect

- Check all components (monitor, antenna, cables) for shipping damage.
- Data/power cable comes pre-attached to the monitor.

2. Install Antenna

- Mount antenna on the generator roof.
- Use provided steel plate if surface isn't magnetic.
- Ensure 20 cm separation from people.
- Create a drip loop below the monitor level to prevent water ingress.

3. Mount the Monitor

- Use magnetic feet to attach to a flat surface near the engine controller.
- If mounting vertically, ensure cables face downward.

4. Connect Power

- Route data/power cable into the control enclosure.
- Connect 12VDC power to the monitor.

5. Data Connection

- Encrypted Controller: Use monitor wire harness per the Omni Wiring Table (see Page 2).

6. Startup & Testing

- Power on the monitor.
- Confirm LEDs lights are blinking. (Scan QR Code for light sequence)
- If only Power LED is on after 5 mins, check the antenna and connections.

7. Network & Support

- Wait 15 minutes for network login.
- Call OmniMetrix (770-209-0012) to confirm installation.
- Access data via OmniView® at www.omnimetrix.net.



Generac Nexus/ Evolution Wiring Diagram			
SLEEVE COLOR	OMNI WIRE	FUNCTION	TERMINATION
Red	Red	Power In (9-30Vdc)	Battery +
	Black	Ground	Battery -
Blue	Orange	Fuel Control Relay	Fuel Solenoid (+)
	Blue	Common Fault Relay	209
	Violet	On Gen Power	23
	Gray	Utility Voltage Lost	See AC Detector Wiring
Yellow	Black (See Notes for Black Wire)	GND for COMMON FAULT B	210

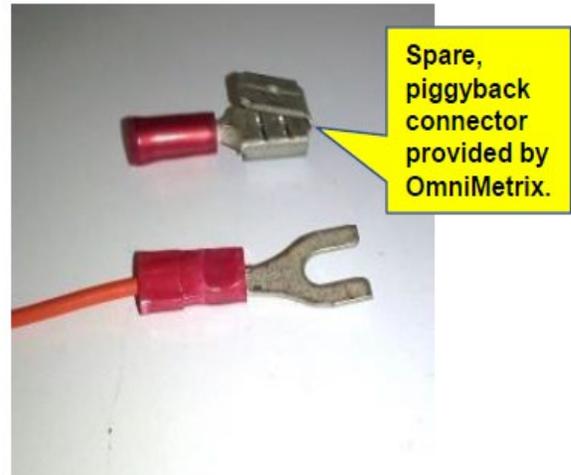
*See the diagrams on the following pages for added wiring assistance.

If you have any questions, please call Omnimetrix Tech Support at 770-209-0012 or email techsupport@omnimetrixconnect.com.



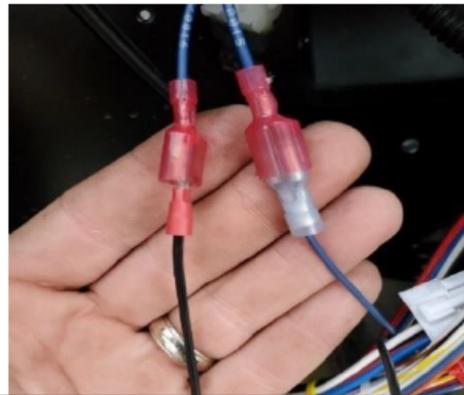
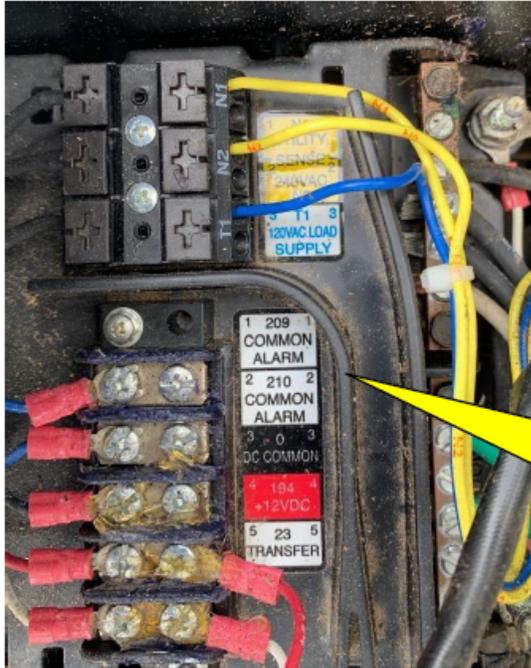
The Generac Red Wire on the Fuel Control Solenoid goes to +12 Vdc when running.

Put the piggyback Faston connector provided on the OmniMetrix Red wire, replacing the fork connector. Then unplug the Generac red wire, attach it to the auxiliary blade on the piggyback connector and plug the pair back onto the solenoid as shown below.

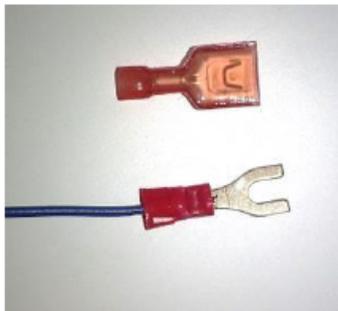


Spare,
piggyback
connector
provided by
OmniMetrix.



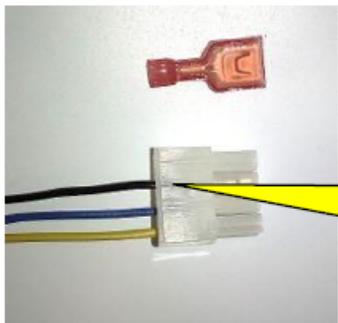


In older machines, the Common Alarm terminals are screw terminals, as shown. In the newest Evolution machines, the Common Alarm wires are pigtailed as shown above. The OmniMetrix Blue wire goes to one terminal / wire, and the other terminal / wire gets a DC Ground wire.



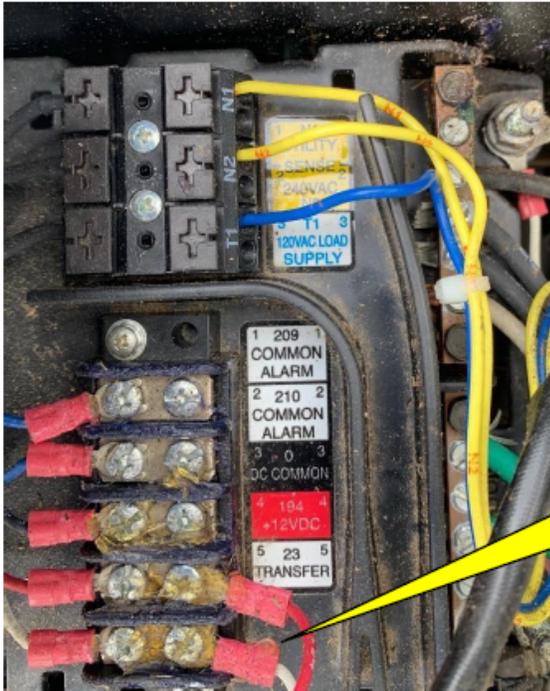
In older machines, land the OmniMetrix Blue wire on Generac terminal 209. You can ground the Omni White/Green striped wire to the DC Common terminal next to it.

For new Evolution machines, replace the fork terminal on the blue wire with the female Faston connector provided and plug it into one of the pigtailed Common Alarm



Assuming the OmniMetrix Serial Comms cable, with 8-position connector shown to the left, is not being used on the new Evolution machines, the black wire may be clipped near the connector and used as a DC Ground for the Common Alarm and/or the AC Detector described below. (You can use the Faston connector provided for this purpose, if needed).

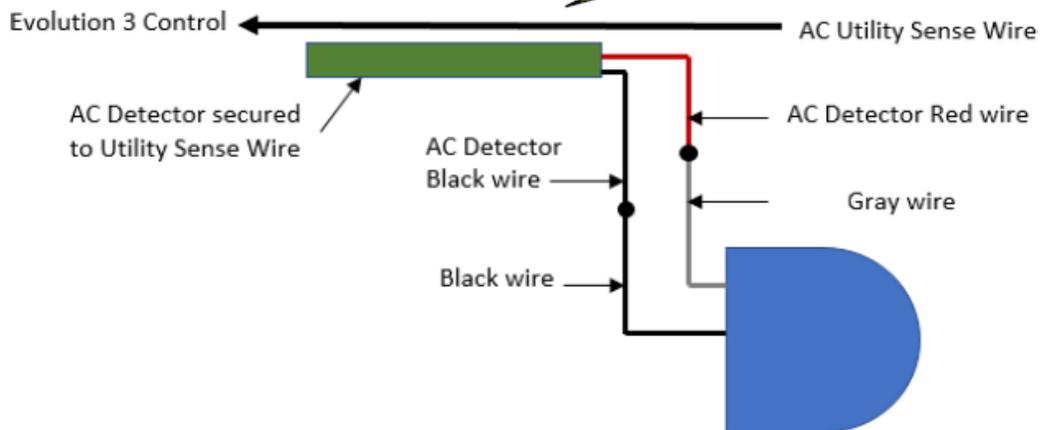




Land the OMNI Violet wire on Generac Terminal 23.

OPTIONAL AC DETECTOR INSTALLATION:
If you are using the OMNI AC Detector, it simply zip ties to either N1, N2, OR T1. These three wires **MUST BE UNBUNDLED** so that the detector can be attached to only one of them. Attaching to N1 or N2 will report lost utility. Attaching to T1 will report the home is unpowered.

Optional AC Detector wiring diagram:





DO NOT CONNECT THE OMNI INPUTS TO 240 VAC!!!

N1 and N2 are the two legs of Utility 240 VAC. T1 is 120 VAC brought to the battery charger from the house side of the ATS.

The AC Detector may be attached to ANY ONE of the three, depending on whether you want to report Lost Utility of Site Not Powered.

Generac signal 23 controls the contactor in the ATS. It will be 12Vdc in Utility Position, and 0 Vdc in Emergency.

Common Alarm signals 209 and 210 are dry contact relay points. They close in a shutdown condition, indicating Common Alarm. In the Evolution 3, these two are pigtailed into a connector... see Page 4.

