

# OMNIPRO

## Generac E Panel with Relay Kit

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### 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 Generac E Panel following the wiring diagram below.

### 6. Power On and Check LEDs:

- Turn on the monitor and confirm that the LEDs light up and blink.
- 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.

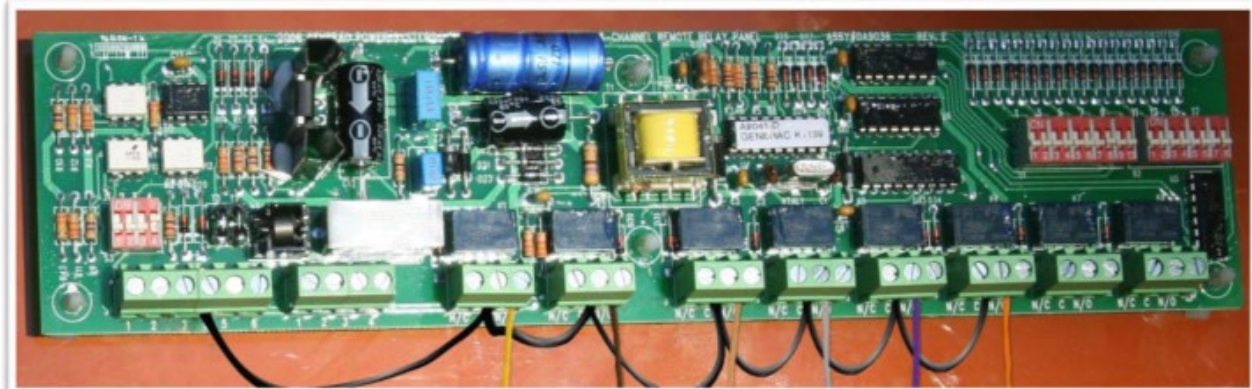


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## Generac E Panel with Relay Kit

Generac E Panel with Relay Kit Wiring Diagram				
SLEEVE COLOR	OMNI WIRE	FUNCTION	TERMINATION	Dip Switch
Red	Red	Power In (9-30Vdc)	TB1-13 or 218	
	Black	Ground	Relay Kit 6 (NC)	
Blue	Orange	Gen Running	TB2 - Relay 1 (NO)	S2 - 4 ON
	Blue	Common Alarm	TB2 - Relay 1 (NO)	
	Violet	Low Fuel	Relay Kit 5 (NC)	S1-10 ON
	Gray	High Coolant Temp	Relay Kit 4 (NC)	S1-5 ON
White	Pink	Not In Auto	TB2 - Relay 2 (NO)	
	Yellow/Brown	Oil Pressure Low	Relay Kit 3 (NC)	S1-4 ON
	Yellow	Overcrank	Relay Kit 1(NC)	S1-2 ON
	Brown	Overspeed	Relay Kit 2 (NC)	S1-3 ON
Blue	Yellow/White	2-Wire Start	TB1-56	
	Brown/White	GND for 2-Wire Start	TB1-0	

\*Ground Jumpers Between Wire 0, Relay 1 Common, Relay 2 Common and Relay 3 Common



Generac E Panel Relay Board

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

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





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# Programmable Relay Configuration Guide

### Accessing Parameter Entry

1. Press the LEFT or RIGHT arrow key until the display shows 'Parameter Entry.'
2. Press ENTER.
3. Enter the password and press ENTER.
4. Default factory password: 000000.
5. If the password does not work, contact technical support.

### Navigating to Digital Outputs

6. Use the LEFT and RIGHT arrow keys to navigate to the 'Digital I/O Menu.'

### Programming Relay Outputs

#### Relay Output #1 – Common Alarm

7. Use the UP and DOWN arrow keys to locate 'Output 1 Function.'
8. Press ENTER.
9. Scroll using the UP/DOWN arrows until 'Common Alarm' is displayed.
10. Press ENTER to save.
11. Result: Output #1 energizes on any common alarm condition.

#### Relay Output #2 – Not in Auto

12. Repeat the steps above for Output #2.
13. Set function to 'Not in Auto.'

#### Relay Output #3 – Low Fuel (or Alternate)

14. Repeat the steps above for Output #3.
15. Set function to 'Low Fuel' (preferred) or 'Low Oil Pressure' if Low Fuel is not applicable.

### Exit Programming Mode

16. Press RESET to exit programming mode and return to the main screen.

