TrueGuard-2™ is for use on 12v systems only.
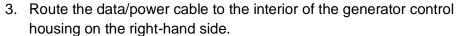
1. Unpack the monitor and antenna. The integrated data/power cable includes wires to power the monitor as well as wires for alarm inputs, relay outputs and analog inputs. Inspect all components to verify there is no shipping damage.
2. Locate the area behind the door where two panels come together in the housing. Peel the weather stripping down and route the antenna between the weather stripping and the housing. Place the wire for the antenna in the slot between the two panels and replace the weather stripping. Attach the antenna vertically to the top of the enclosure. The antenna used for transmitting must be installed to provide a separation distance of at least 20 cm from all persons and must not transmit simultaneously with any other antenna transmitters. BE SURE to provide a drip loop lower than the monitor to keep water from running down the antenna cable into the monitor connection.
3. Route the data/power cable to the interior of the generator control housing on the right-hand side.
4. The monitor connects to the Generac C Panel using the wiring definitions as shown in Table 1 (next page).
5. Temporarily mount the monitor to the side of the control and attach the data/power cable to the front of the monitor and tighten screws. Attach the antenna cable to the front of the monitor, and tighten thumb tight.
6. Turn on the monitor and confirm that the LEDs light up and blink. If not, check for power on the terminal strip. If, after 5 minutes, the only LED lit is the Power LED, check the antenna mount and cable connection.
7. Allow 15 minutes for the monitor to log into the network and then call OmniMetrix at 770-209-0012 to confirm installation. Access to machine data is through the OmniView® web interface at www.omnimetrix.net. Contact OmniMetrix for login instructions and web training.
8. Reassemble the controller and attach the monitor, via the magnetic feet, to the top of the control panel or other 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.*
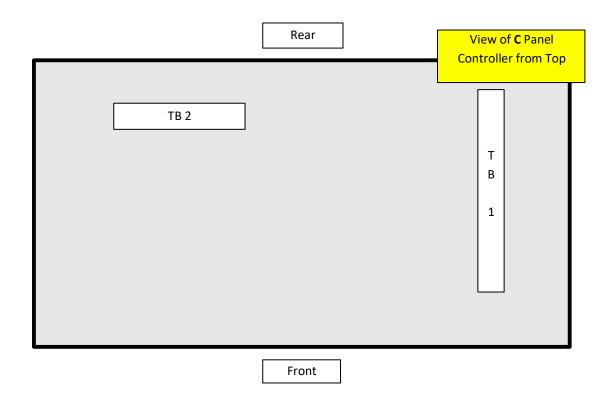

TrueGuard-2 System

Generac C Panel Control

Table 1

GENERAC C PANEL WIRING TABLE		
OMN WIRE	FUNCTION	TERMINATION
Red	Battery + (positive)	TB1 - 13/218
Black	Battery – (negative)	TB1 - 0
Orange	Generator Running	TB1 - 14/219
Gray	Not in Auto	TB2 - 228
Blue	Common Alarm	TB2 - 211
Violet	Over-crank	TB2 - 96
White/Yellow	2-wire start	TB1 - 178
White/Brown	GND for 2-wire start	TB1 - 183

Rear

View of **C** Panel Controller from Top

TB 2

T B 1

Front

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

OMNIMETRIX
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www.omnimetrix.net ▪ 770-209-0012

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LED Behavior:

The BLUE LED will illuminate at boot up (stay on). The LED will start blink rapidly, on/off every 1/2 second, once the modem is connected to an available tower. The LED will begin to blink more slowly, three seconds on, three seconds off, once the modem has connected to the OmniMetrix server. Note: The BLUE LED is an indication of network service. If it continues to stay illuminated (on), please check the SIM card, antenna, and signal strength.

The Red LED illuminates approximately 20 seconds <u>after</u> the Blue LED illuminates. A solid Red LED indicates the unit is trying to log into our server.

After approximately 20 seconds, Red LED turns off and the Green LED illuminates for 3 seconds. This indicates the unit has logged into our server.

The Red LED or Green LED flashes after login: Short Green LED flashes indicate the monitor is getting data; Long flashes of the Red LED indicate failure.

Signal Strength: LED signal strength indication is provided at login and routinely during operation, using the Red & Green LED's as follows:
1. The Red & Green LED's flash rapidly for 2 seconds to indicate the beginning of the "Signal Strength" routine.
2. Next, the LED(s) will stay fully illuminated 2 seconds to indicate the current signal strength:
   a. Solid Red LED only = below 10
   b. Solid Red & Green LED's = 10~60
   c. Solid Green LED only = greater than 60.
3. To complete the Signal Strength cycle, the Red & Green LED's flash rapidly again for 2 seconds, then stop (end of cycle).

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