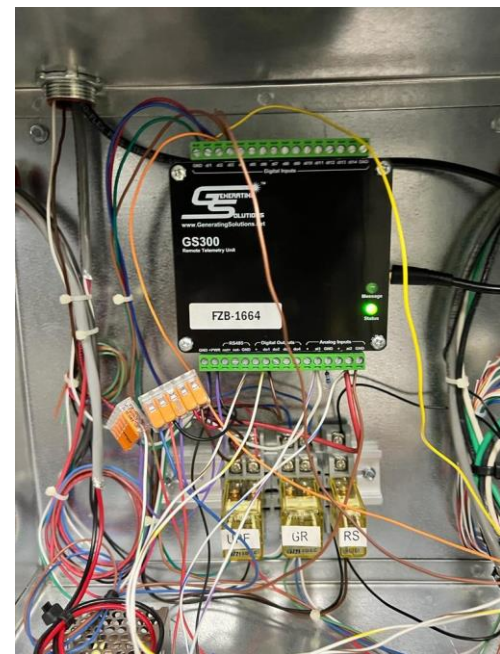1. Unpack the monitor, antenna, and the data/power cable. The 25-pin connector plugs onto the front of the OmniMetrix® monitor. This cable includes wires to power the monitor as well as wires for alarm inputs, relay outputs and analog inputs. Take a moment to inspect all components to verify there is no shipping damage.

2. Place the antenna vertically on the roof of the building and route the antenna cable into the area of the generator control. 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. *Attach the monitor, via its magnetic feet, onto the side of the GS300 controller 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.*

4. Route the data/power cable through the cable entry on the bottom of the control box.

5. Multiple wires from our 25-pin cable will be used to wire up to the GS300 controller to set up the monitoring. The wiring of each wire is identified within the table on Page 2. (Please read the next point carefully before wiring according to the table)

6. **From the top end of each relay, there will be a wire which will be coming out of the relay and going into the digital inputs (di1-di14). Trace those wires accordingly and connect the Omnimetrix colored wires for the determined purpose accordingly. (For e.g., Yellow wire for Utility Power Fail, according to the instructions it should be landed on di1, but make sure to trace it from the relay, if it is landed on di2 then land the Omni Yellow wire on di2)**

7. 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.

8. Allow 15 minutes for the monitor to log into the network and then call OmniMetrix Technical Support 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.

25-Pin Data/Power Cable

GS300 Controller

JLL Duke Install Wiring Table		
Omnimetrix Wire	Function	Termination
Red	Power-In (+9-30 Vdc)	+PWR
Black	Ground	GND
Orange	Generator Running	Di2
Blue	Shutdown (If Available)	Di6
Yellow	Utility Power Fail	Di1
Brown	ATS Position	Di3
Tan	MTS Position (If Available)	Di5
White/Blue	Fuel Sensor	Ai1
White/Purple	Room Temp Sensor	Ai2
White/Yellow	Remote Start/Stop	Do1
White/Brown	Remote Start/Stop	GND (Any)