

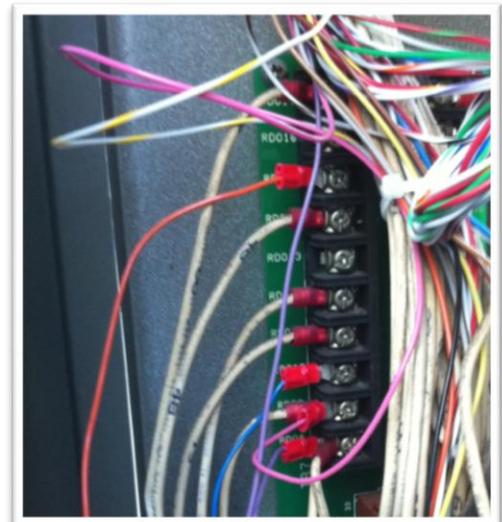
1. Unpack the monitor, antenna and the data/power cable. The 25 pin connector plugs onto the front of the OmniMetrix® Monitor. This cable includes wires to power the monitor as well as wires for alarm inputs, relay outputs and analog inputs. Take a moment to inspect all components to verify there is no shipping damage.
2. Place the antenna on the roof of the generator 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, to the top of the generator control enclosure. 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 generator control.
5. The monitor wires to the DEC550 Relay Driver terminal board using the wiring definitions as shown in Table 1 (next page). It does not require the relay board itself - it connects to the driver terminals. The DEC550 Relay Driver Board is typically mounted outside the generator control housing, sometimes in the area of the main alternator.
6. Attach the antenna cable to the front of the monitor, and tighten thumb tight.
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 at 770-209-0012 to confirm installation. Access to machine data is through the OmniView® web interface at [www.omnimetrix.net](http://www.omnimetrix.net). Contact OmniMetrix for login instructions and web training.



Data/Power Cable



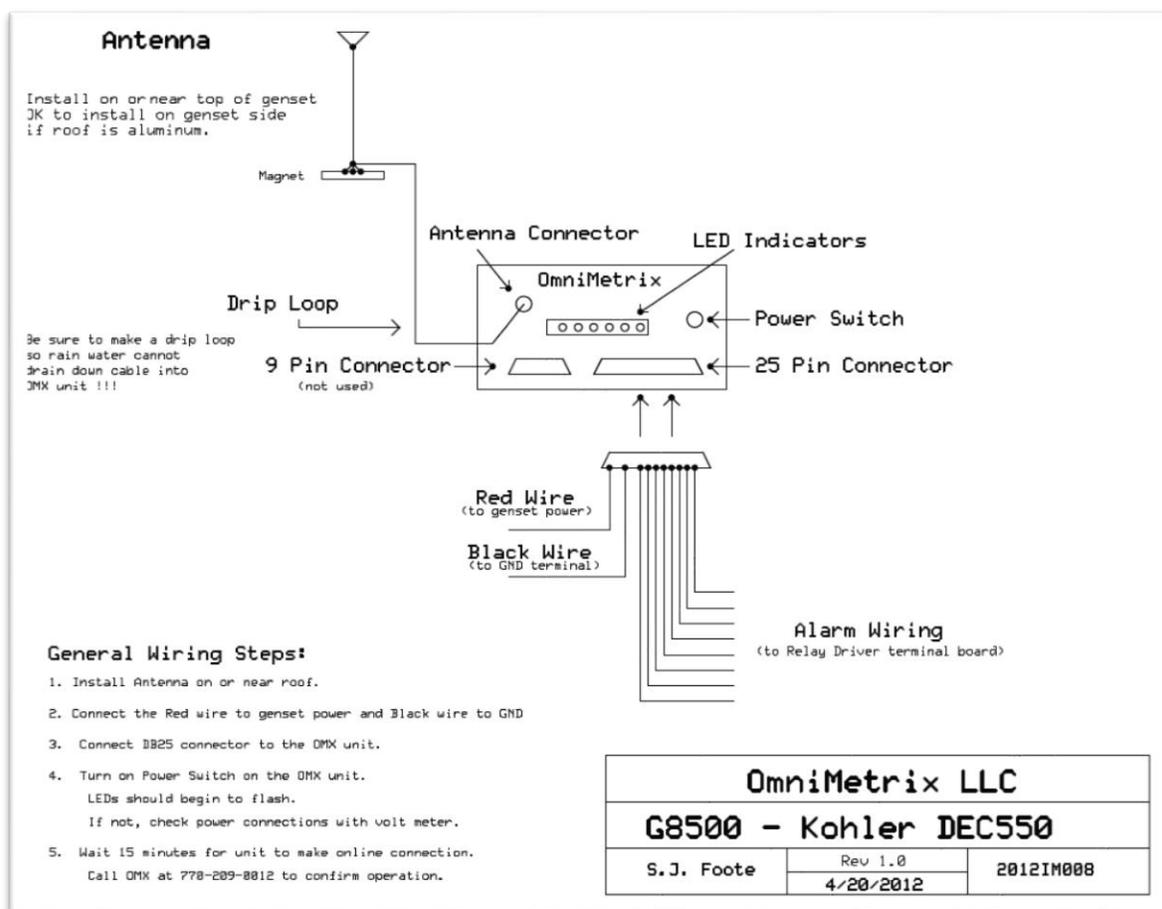
Kohler DEC550 Controller



DEC550 Relay Driver Output Terminal Strip as installed in generator cabinet.

WIRING TABLE		
OMN WIRE	FUNCTION	KOHLER TERMINATION
Red	Power In (9-30 Vdc)	42A or other Genset B+
Black	Ground	2
White	RS485+ Modbus+	Optional
Green	RS485- Modbus-	Optional
Orange	Running Input	RDO 15
Blue	Common Fault Input	RDO 10
Violet	Low Fuel Input	RDO 08
Gray	Low Coolant Temp Input	RDO 05
Pink	Not in Auto Input	RDO 09
Tan	Low Oil Pressure Input	RDO 07
Yellow	Over Crank Input	RDO 02
Brown	Over Speed Input	RDO 01
White/Yellow	Remote Start (Relay A)	3 (Remote Start)
White/Brown	Remote Start Relay B	4 (Remote Start)
White/Blue	Fuel Sender Analog Input	Green Wire on Sender (option)

**Table 1: DEC550 Wiring**



**If you have any questions, please call OmniMetrix Tech Support at 770-209-0012 or email at [techsupport@omnimetrix.net](mailto:techsupport@omnimetrix.net).**