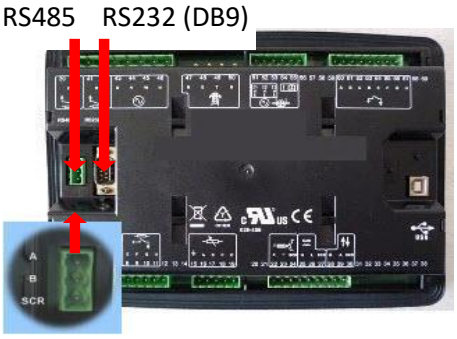
1. Unpack the monitor, antenna and the data/power cable. The data/ power cable will be a black cable with DB9 data connectors on two ends and red/black wires emerging from the connector labeled OmniMetrix® END, or a 25 wire connector that includes wires to power the monitor as well as for alarm inputs. Take a moment to inspect all components to verify there is no shipping damage.
2. Place the antenna vertically on the roof of the 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, on top of the engine 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. If using the DB9 data/power cable included, route the cable into the generator control enclosure. Connect the OmniMetrix end onto the front of the monitor and connect the other end to the RS232 connection on the back of the control panel.
5. Connect the RED wire to Battery+ and the BLACK wire to Battery-. Instructions for configuring the software can be found on the following pages.
6. (Optional) If using the 25-pin data/power cable, route the cable into the generator control enclosure. Using the RS485 connector, the OMNI WHITE (Data+) wire connects to terminal A, the GREEN (Data-) wire connects to terminal B and SCR is unconnected. Plug the connector into the RS485 connection on the back of the panel. Connect the RED wire to Battery+ and the BLACK wire to Battery-. Instructions for configuring the software can be found on the following pages.
7. Set the DSE 7310 controller's Modbus communications setting Slave ID = 10, Baud Rate = 19,200, and Port Usage = No Modem
8. Attach the antenna cable to the front of the monitor and tighten thumb tight.
9. 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.
10. 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.

DB9 Data/Power Cable

Optional 25 Wire Data/Power Cable #100120

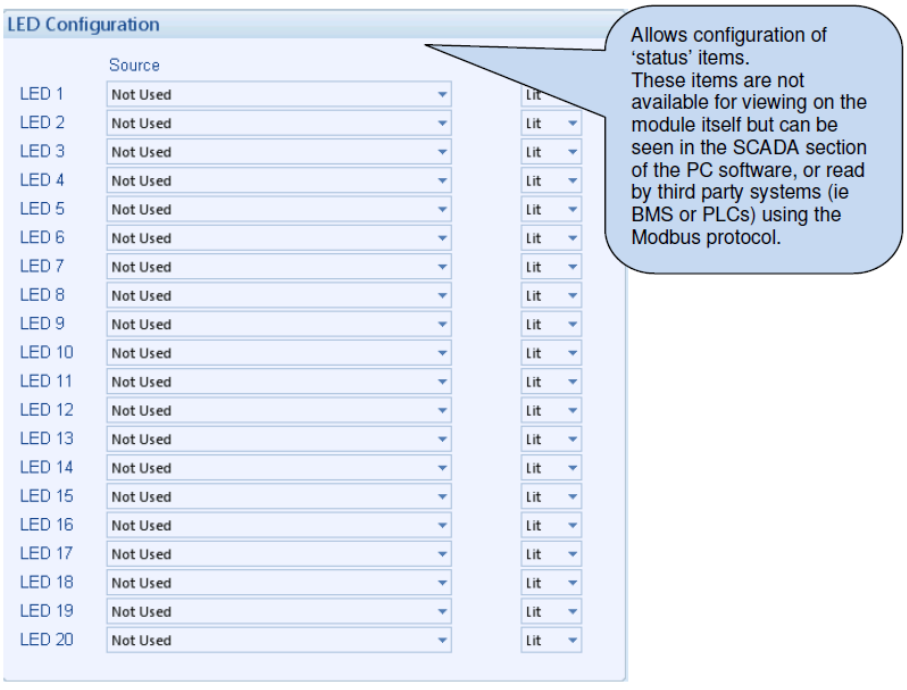
Deep Sea 7310 Controller



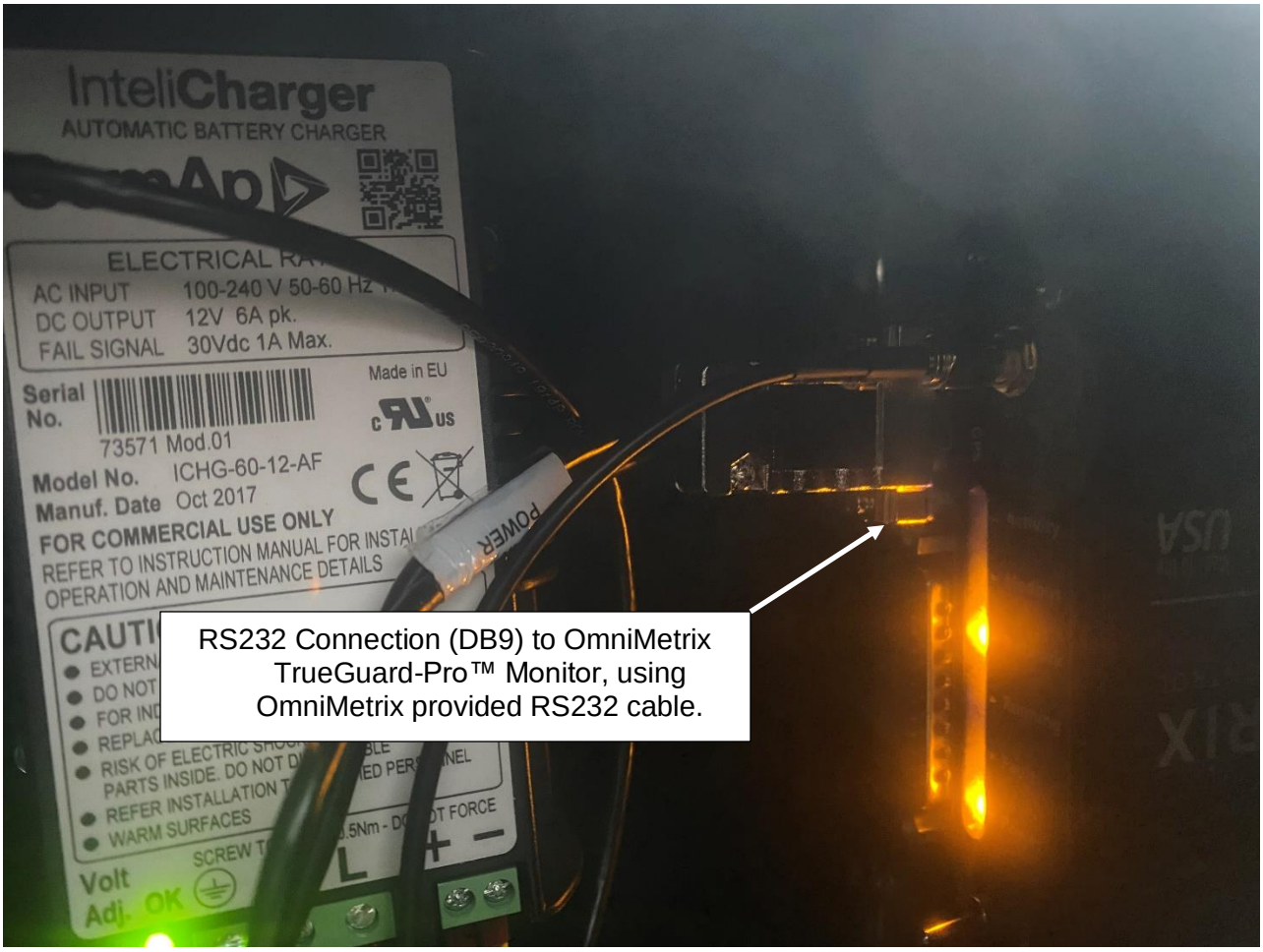
Deep Sea 7310 Controller (Back View)

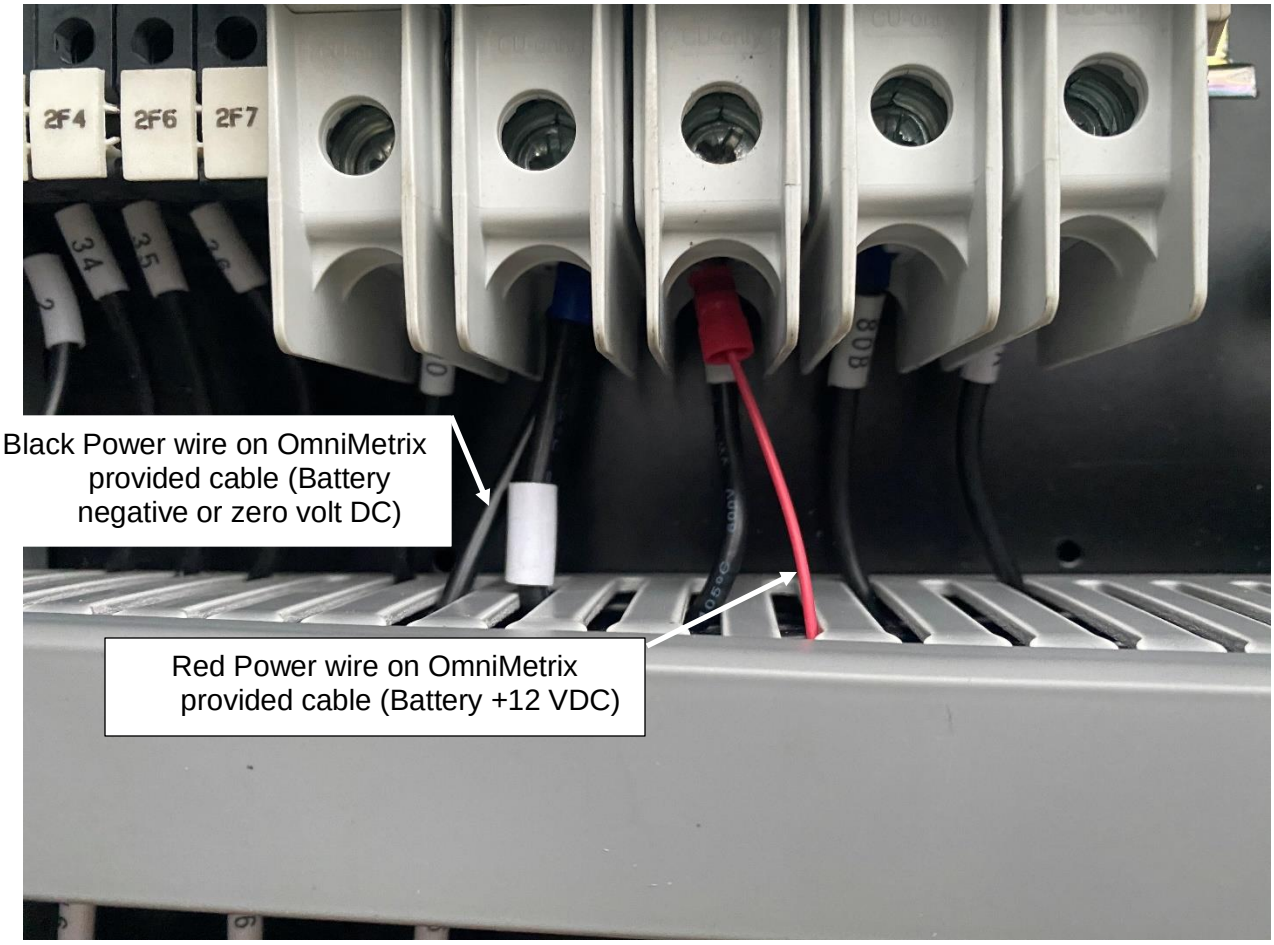
The DSE Configuration Suite Software is required for configuring the Virtual LED Outputs. (See DSE 7310 Operating Manual for additional information).

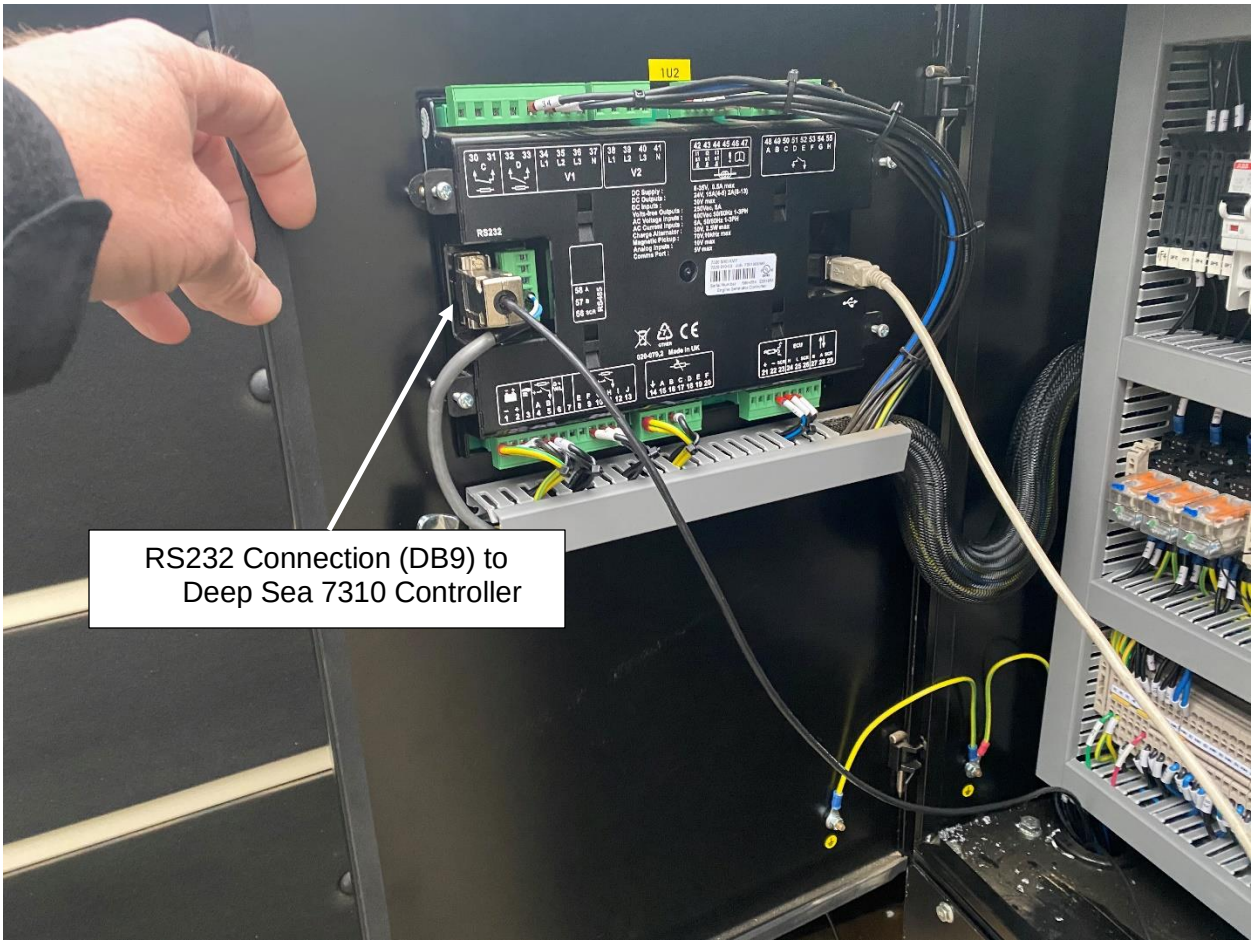
6.5.2 VIRTUAL LEDS



Deep Sea 7310 Virtual Outputs		
Deep Sea Virtual Output	Function	OMN Alarm ID
Virtual LED Output 1	Generator Running	64
Virtual LED Output 2	ATS Calling for Run	65
Virtual LED Output 3	In Auto Mode	66
Virtual LED Output 4	In Manual Mode	67
Virtual LED Output 5	In Stop Mode	68
Virtual LED Output 6	Common Alarm	69
Virtual LED Output 7	Common Warning	70
Virtual LED Output 8	Common Shutdown	71
Virtual LED Output 9	Fail to Start	72
Virtual LED Output 10	Overspeed	73
Virtual LED Output 11	Coolant Temp High Warning	74
Virtual LED Output 12	Coolant Temp High Shutdown	75
Virtual LED Output 13	Oil Pressure Low Warning	76
Virtual LED Output 14	Oil Pressure Low Shutdown	77
Virtual LED Output 15	Battery Voltage Low or High	78
Virtual LED Output 16	Generator Voltage Warning	79
Virtual LED Output 17	Generator Voltage Shutdown	80
Virtual LED Output 18	Emergency Stop	81
Virtual LED Output 19	Fuel Level Low	82
Virtual LED Output 20	Coolant Level Low	83


InteliCharger
AUTOMATIC BATTERY CHARGER
AC INPUT 100-240 V 50-60 Hz
DC OUTPUT 12V 6A pk.
FAIL SIGNAL 30Vdc 1A Max.
Serial No.
73571 Mod.01
Made in EU
Model No. ICHG-60-12-AF
Manuf. Date Oct 2017
FOR COMMERCIAL USE ONLY
REFER TO INSTRUCTION MANUAL FOR INSTAL
OPERATION AND MAINTENANCE DETAILS
REFER INSTALLATION
WARM SURFACES
Volt Adj. OK
POWER
RS232 Connection (DB9) to OmniMetrix TrueGuard-Pro™ Monitor, using OmniMetrix provided RS232 cable.


2F4
2F6
2F7
Black Power wire on OmniMetrix provided cable (Battery negative or zero volt DC)
Red Power wire on OmniMetrix provided cable (Battery +12 VDC)


RS232 Connection (DB9) to
Deep Sea 7310 Controller