Snake River Electronics
Diesel Rod
Calibration Instructions

Description:

Calibration instructions for aluminum diesel level sensing rods installed in plastic or metal fuel tanks. Note: diesel sensing rods are factory calibrated and usually do not require any calibration by user; if you suspect that calibration is in question contact Snake River Tech. Support for advice.

Tools Required:

None. Voltmeter is optional to check module output at the tank.

Procedure:

(1) Install diesel sensor rod as per installation instructions.
(2) With the tank *EMPTY* (see note below) and power *OFF*, attach the *GREY* wire to the *BLACK* wire (this indicates to the microprocessor in the sensor that the tank reading is to be recorded as empty).
(3) Apply power to the module. Note that the red light comes on indicating that the microprocessor has successfully recorded the empty condition of the tank. The voltmeter reading (if checked) out of the *BLUE* output wire should be zero volts (or close to zero volts).
(4) Turn power to the module off and disconnect the *GREY* and *BLACK* wires.
(5) Fill the tank with diesel.
(6) Attach the *WHITE* wire to the *BLACK* wire (this indicates to the microprocessor in the sensor that the tank reading is to be recorded as full).
(7) Apply power to the module. Note that now the green light comes on indicating that the microprocessor has successfully recorded the full condition of the tank. The voltmeter reading (if checked) out of the *BLUE* output wire should now be 3 volts (or close to 3 volts).
(8) Turn power to the module off and disconnect the *WHITE* and *BLACK* wires. Note: all of the calibration wires (*WHITE*, *GREY*, and *BLACK*) are now to be left disconnected.
(9) Lastly, follow calibration instructions for your model of display panel.

Notes on Empty Calibration:

The empty tank calibration can be performed by removing the rod completely from the tank (instead of draining the tank of fuel). This will yield an accurate calibration unless the tank does not completely drain out during normal operation. If this is the case, the tank will need to be drained to a realistic “empty” level.

Trouble Shooting:

If the indicator lights do not light up as described above, or if there is no apparent voltage output for a full or semi-full tank, you need to call technical support for additional instructions.