Plan the installation

The sensor is designed to be the only device receiving signals from the sending unit. If the sensor is replacing a previous gauge, make sure you remove all the old gauge wires before you begin. If this is a replacement, note which connection is positive before disconnecting the old wires.

This document assumes the mounting bracket is connected to the fluid level arm (or potentiometer) and is already installed in the tank. The sensors wires — red (positive) and black (negative) — will connect to the sending unit’s mounting bracket, on top of the tank.

Use one Fluid Level Sensor for each different fluid tank. When having 2 different tanks of similar fluids it is advisable to label them so they can be identified in the NMEA 2000 device list in the gauge or multi-function display.

Install the Fluid Level Sensor

Attach marine-grade crimp-on connectors to both the red lead (+) and the black (-) lead. The Fluid Level Sensor must be the ONLY device connected to the sender.

Attach the positive red lead to the sending unit’s positive connector, usually located in the center of the mounting plate. Connect the negative black lead to the sending unit’s negative connector. To ensure you know which connection is which, refer to the mounting instructions that came with the sending unit.

Connect the Fluid Level Sensor to the network

Connect via a switch and 5 amp fuse

Dimensions

Specifications

Compatible with most sending units that are calibrated between 33 and 240 ohm.
PGNs transmitted
59392 – ISO Acknowledgment
59904 – ISO Request
60928 – ISO Address Claim
126996 – Product Information
127505 - Fluid Level

Tools required

Wire Pliers
Drill with 22 mm (7/8”) drill bit
Marine-grade Crimp-on wire connectors
Zip ties for securing Fluid Level Sensor

Other parts required

Fluid Level Sensor
NMEA 2000 T-joiner
A Red wire for positive connector in fluid level float
B Black wire for negative connector in fluid level float
C Fluid Level Sensor
D NMEA 2000 connector

Overview

The Fluid Level Sensor is designed to monitor fuel, live well, oil, fresh water, waste water (gray water), and black water tanks.

You should read all of the installation instructions before proceeding. Decide where to install all components before drilling any holes in your vessel.

The sensor is pre-configured to the US marine standard of 33.5-240 ohm. Please refer to your operations guide for configuration information.