FLOTRONIX

INSTALLATION & TESTING

FLO-LT2 Fuel High/Low/Test Switch

Mechanical Installation:

1. It is recommended you adjust the activation levels of the individual floats prior to installing in the 2" top opening of the tank. Using a wrench loosen the brass compression fittings located on the stems located directly above the 2" tank brass hex head fitting. The 2" fitting is stamped on top with the numbers 1 & 2 next to the stem you are adjusting.
2. The correct depths to set activation level are:

- Low Fuel Level L1 – Set to 66% of Tank Capacity.
- High Fuel Level L2 – Set to 90% Full.
- After adjustment, tighten the brass fittings being careful not to overtighten.

3. Carefully insert the assembly into the 2" top opening of the fuel tank.
4. The float levels can be adjusted after installation. Loosen the stem compression fittings and slowly slide the stem up until the floats touch the top of the tank. Then lower the float the amount of the desired activation level as noted in #2 and retighten the fittings.

Electrical Installation:

IMPORTANT: This switch is for Pilot Duty Only and typically is connected directly to the diesel fire pump controller. If connecting to other devices, please use isolating relays to avoid exceeding the internal switch rating.

Switch Rating:	**Pilot Duty Only**, **50 WATT MAX, Type SPST**
Lead Wires:	72", 22 gauge, Type PTFE. **L1 Low Level Wires are YELLOW.** **L2 High Level Wires are RED.**

Operation:

Low Level Float **L1**	Normally Closed, Closes on Low Level
High Level Float **L2**	Normally Open, Closes on High Fuel Level

Conduit connection: Connect individual ½" flexible conduits to the threaded stems. It is important to allow low sufficient slack in the flexible conduit to allow for inspection, removal and level adjustment of the switches. Using the provided 72" of wire, connect to a wall mounted junction box. Then run the alarm wires to the fire pump controller or other devices.

Testing:

1. Confirm the alarm monitoring device is ready to indicate the fuel level status.
2. Push/Lower the L1 testing rod to activate the low level fuel indication.
3. Raise the L2 testing rod to activate the high fuel level indication.