REDJACKET

INSTALLATION INSTRUCTIONS

High/Low Level Sensor (2"– 4")

The following terms are used throughout this document to bring attention to the presence of hazards of various risk levels, or to important information concerning use of the product.

Danger!!	Indicates the presence of a hazard that **will** cause **severe** personal injury, death, or substantial property damage **if ignored**.	**Caution**	Indicates the presence of a hazard that **will** or **can** cause **minor** personal injury or property damage **if ignored**.
Warning!	Indicates the presence of a hazard that **can** cause **severe** personal injury, death, or substantial property damage **if ignored**.	⚠ **Notice** ⚠	Indicates special instructions on installation, operation, or maintenance that are important but not related to personal injury hazards.

Warning! **All installation and service of Red Jacket systems must be performed by trained and qualified personnel only.**

The High/Low Sensor is a three wire sensor used for detecting product overfill and low level conditions. The sensor is a normally closed circuit that opens when the magnetic reed floats move up or down past predetermined levels, triggering an alarm. The distance between the overfill float and the low level float is fixed based on tank diameter. The trip point for the overfill float is designed to operate at 90% of tank capacity while the low level float is set at 10% capacity.

High/Low Sensor Installation:

1. Use the tank chart to determine the height above the tank's bottom that corresponds with 10% of the tank's capacity.

2. With the well cap in place, lower the sensor shaft until it rests on the bottom of the tank. Raise the sensor shaft up the number of inches determined in Step 1.
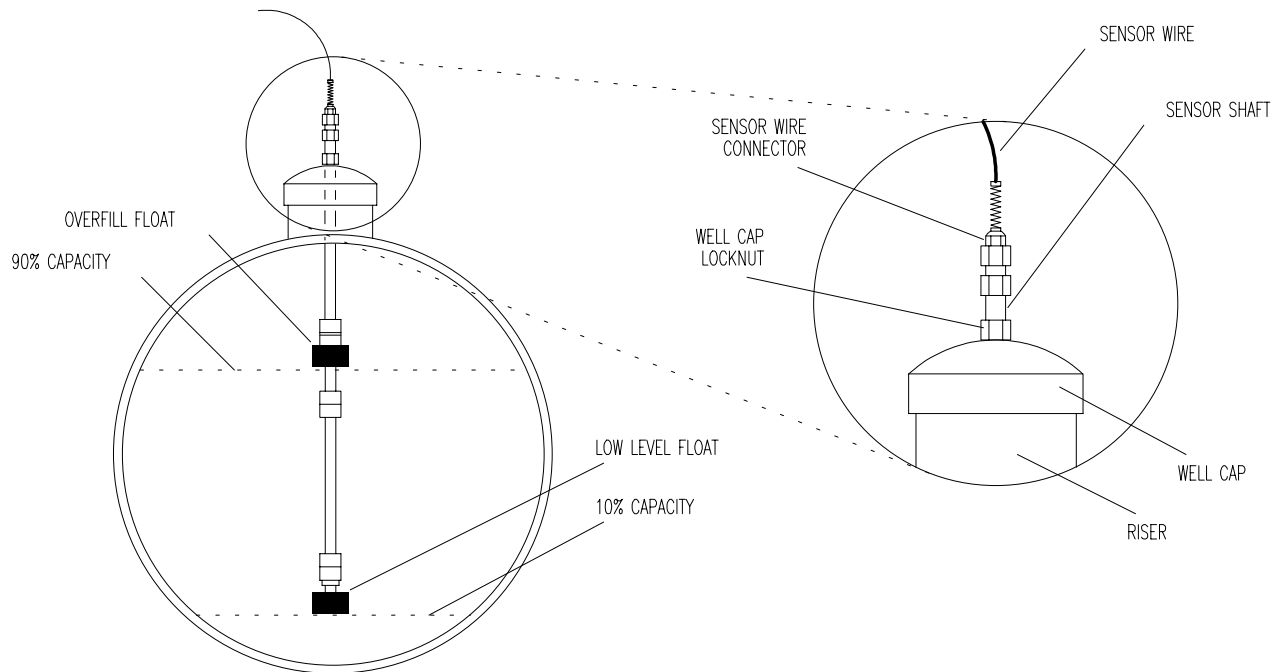

Figure 1 High/Low Level Sensor Installation

3. Secure the sensor with the well cap lock nut.

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**1-800-777-2480**

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4. **Carefully** remove excess sensor tubing with a tubing cutter. Do not adjust the tubing cutter to cut any deeper than absolutely necessary to avoid cutting the sensor cable within the sensor tubing. Slide the sensor wire through the enclosed sensor wire connector with the flexible fitting. Lock the brass fitting into place at the top of the sensor shaft and tighten the plastic lock nut on the flexible fitting.

5. Connect the sensor wires to the interconnect cable in a connector housing or J-box.

Warning!	**Make sure that ALL wiring connections are watertight!**

⚠ *Notice* ⚠	**Sufficient ullage should be maintained in the tank to allow for the delivery hose to disconnect.**

Pro**link** Sensor network card connections
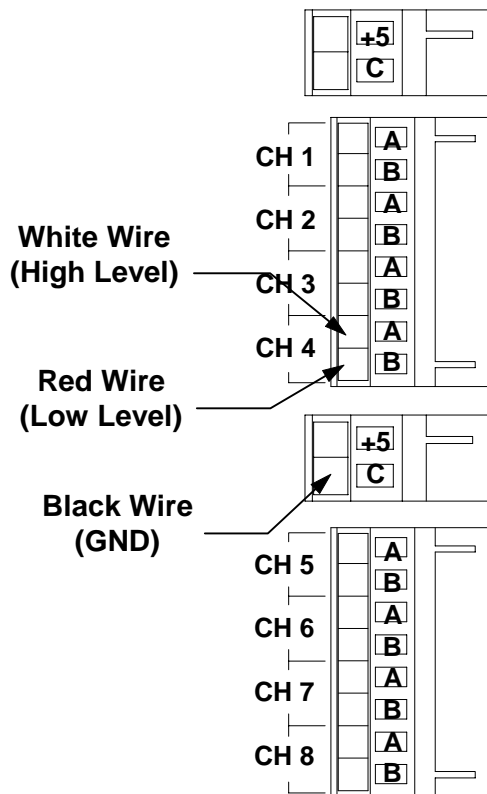
1. Select an open channel and connect the white wire to the **A** terminal.

2. Connect the red wire to the **B** terminal on the same channel.

3. Connect the black wire to either sensor power **GND** terminal.

Figure 2 High/Low Level Sensor Prolink Connections

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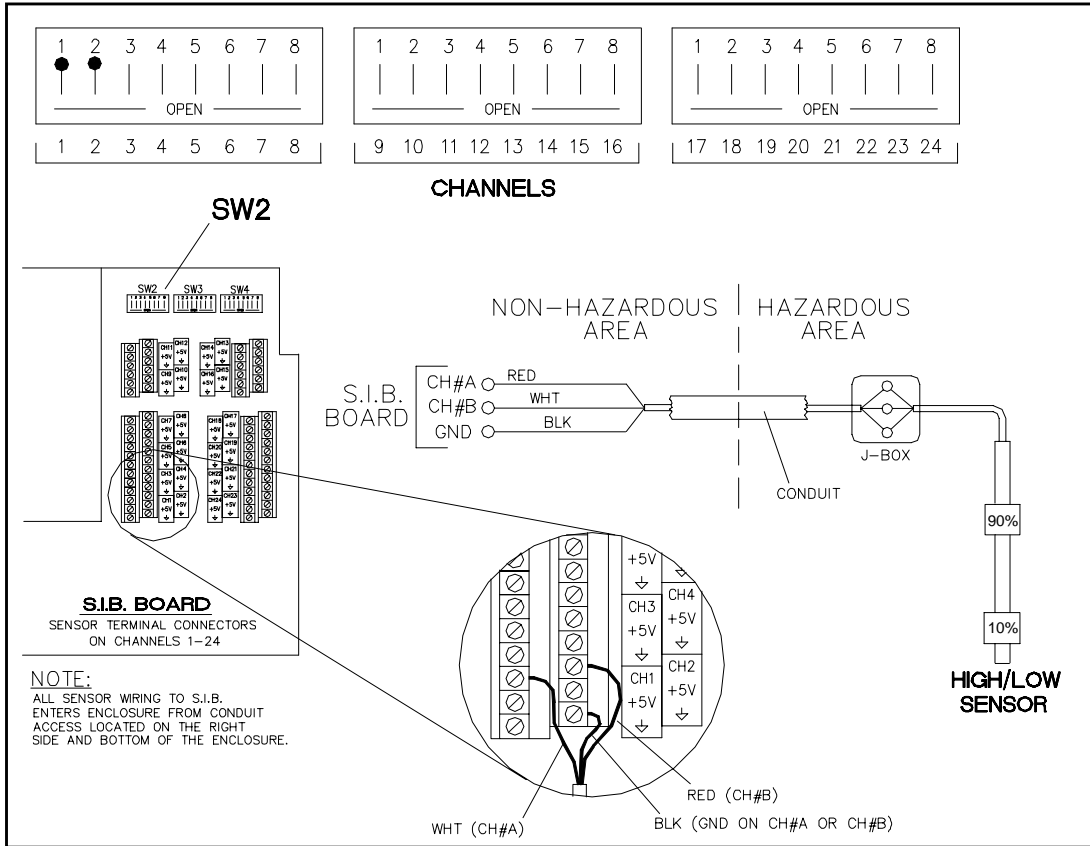
ST Controller SIB connections:

Figure 3 High/Low Level Sensor ST Controller SIB Connections

1. Connect the white wire to the CH# terminal.

2. Connect the red wire to the next consecutive CH# terminal.

3. Connect the black wire to the GND terminal on either channel.

4. The DIP switches corresponding to the selected channels must be CLOSED.

Figure 3 is an example of DIP switch settings on **SW2** when CH1 and CH2 are being used.

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