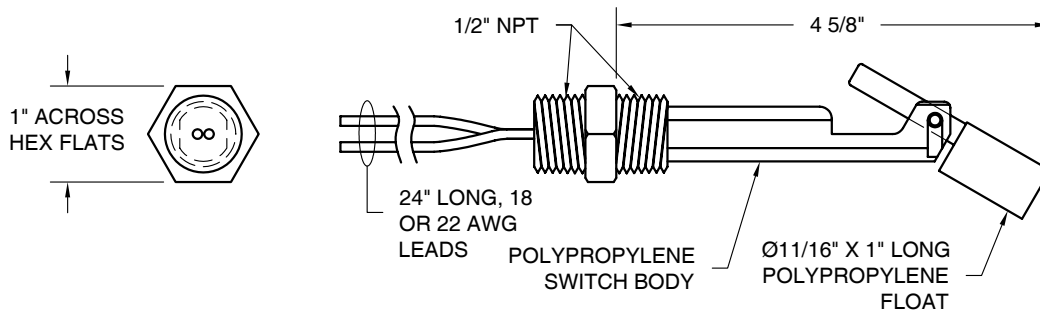


# INSTALLATION INSTRUCTIONS - SIDE-MOUNTED LIQUID LEVEL FLOAT SWITCH MODEL LS600-S

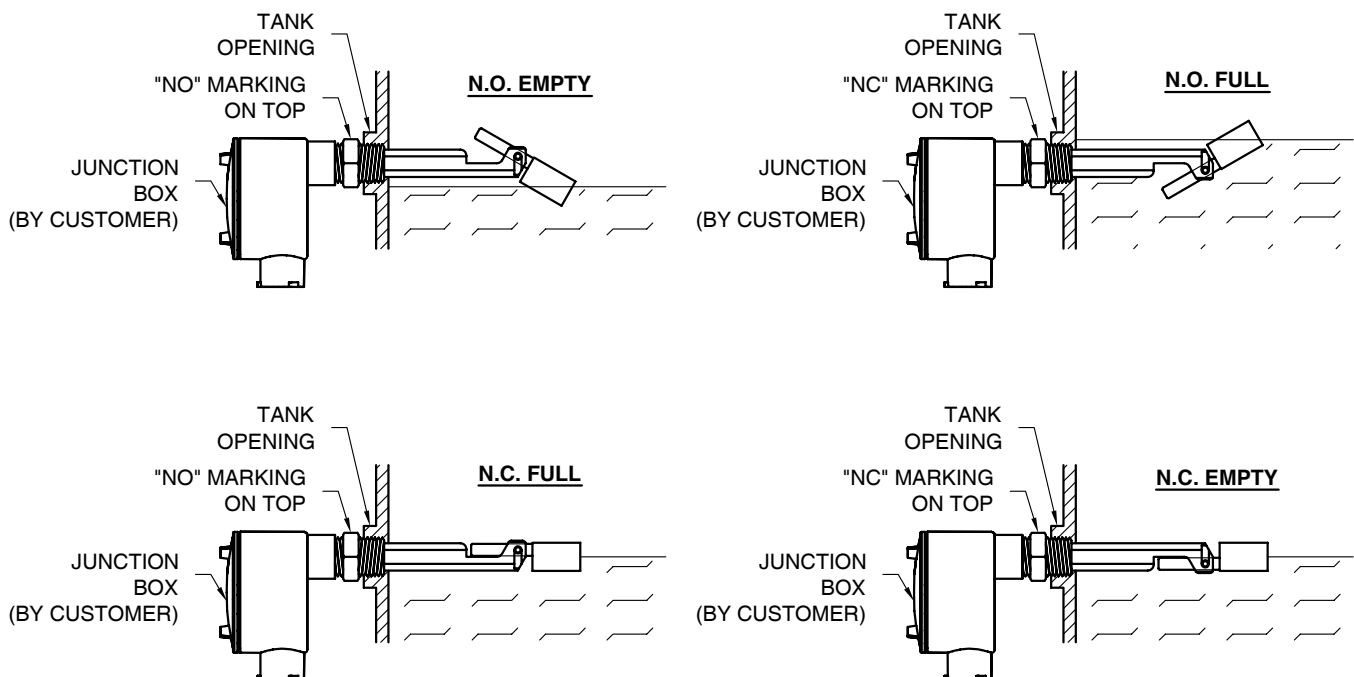


**NOTES:**

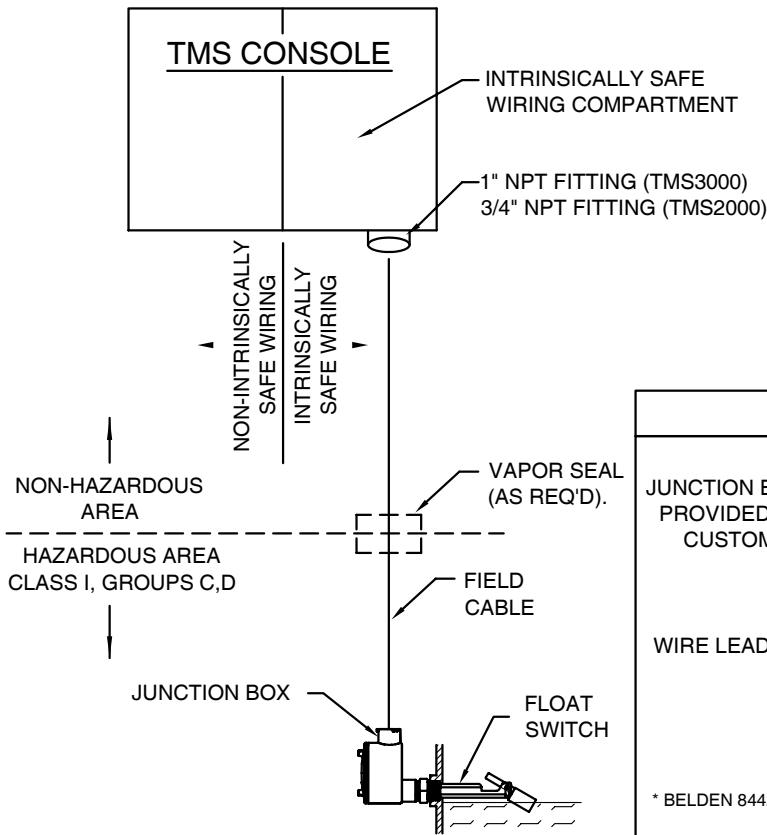
1. SWITCH SHOWN NORMALLY OPENED. ROTATE 180° FOR NORMALLY CLOSED.
2. TEMPERATURE RANGE: -40°F TO +221°F.
3. REED SWITCH ELECTRICAL SPECIFICATIONS:
  - a) 50 W MAX. SWITCHING CURRENT.
  - b) 70 V/A MAX. SWITCHING CURRENT.
  - c) 0.7 MAX. SWITCHING AMPS.
  - d) 300 VAC MAX. SWITCHING.
  - e) 350 VDC MAX. SWITCHING.
  - f) 100,000,000 MECHANICAL LIFE.
  - g) 30 Hz MAX. VIBRATION.
  - h) SPST, NORMALLY OPENED.

## INSTALLATION:

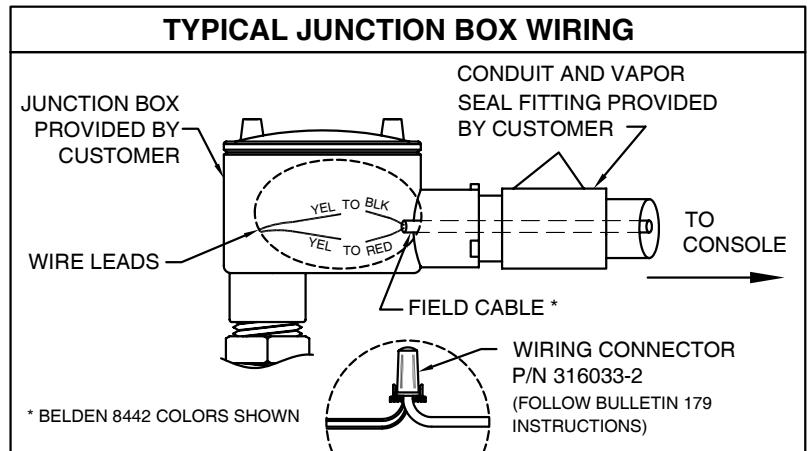
1. Select your switch logic option as shown below.
2. Install float switch through a 1/2" NPT boss from the outside of the tank.
3. Use a pipe sealing compound compatible with plastic and do not over tighten. The float switch hex nut has been marked "NO" and "NC" to identify the switch state after installation.



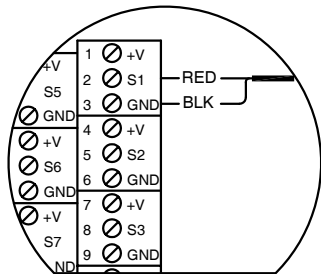
**WIRING:** Intrinsically Safe Input wiring: Wire and install in accordance with Article 504 of National Electric Code ANSI/NFPA 70. Non-Intrinsically Safe Wiring can not be run in conduit or open raceways together with intrinsically safe wiring.



**FIELD WIRING CABLE SELECTION:**  
 Use Belden 8442, or any equivalent 2-conductor, 22 AWG cable, refer to TMS installation manual for more cable selection and limitation information. Shielded cable is not required, but if used, the field cable shield wire must be connected to the SENSOR GROUND TERMINAL in the console I.S. compartment and should be cut back and left unterminated at the float switch junction box.

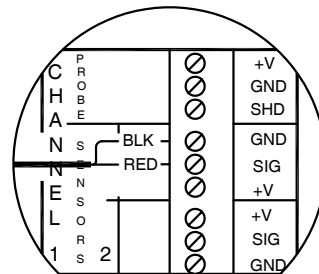


**TMS2000 SENSOR INPUT WIRING \***



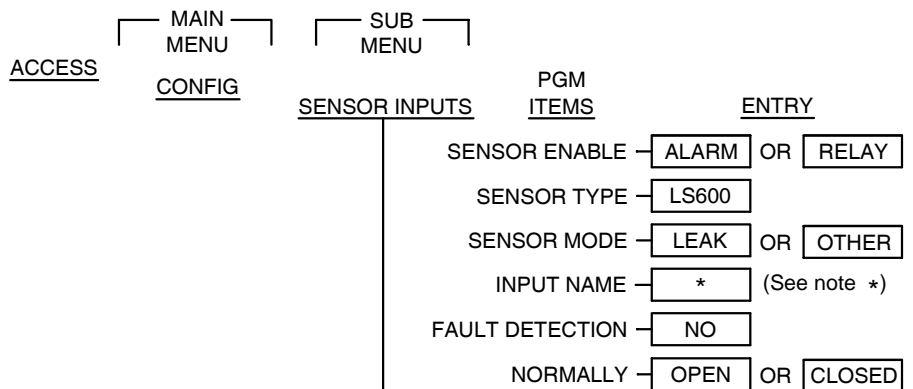
\* BELDEN CONDUCTOR COLORS SHOWN

**TMS3000 SENSOR INPUT WIRING \***



**PROGRAMMING:** Configure the TMS to activate the installed monitoring sensors. Programming can be accomplished either from the TMS front panel, or via TMSCOMM through the TMS serial port or modem. Programming is as follows for both Model TMS2000 and Model TMS3000.

MODEL LS600-S



NOTE:

\* = Select Name From List