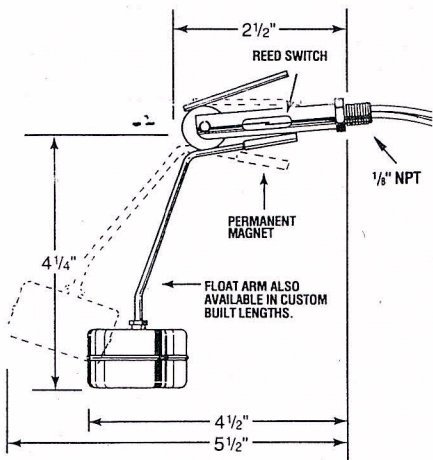




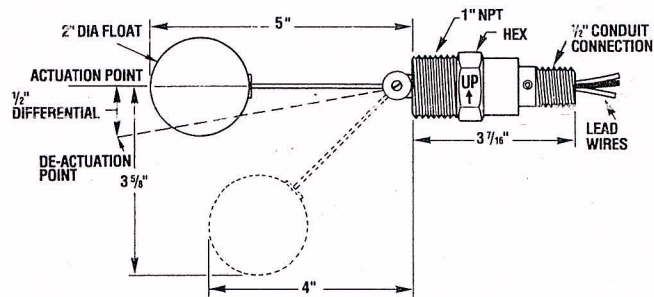
INSTALLATION and MAINTENANCE Models 3900, 4100, 4400, 4900

Model 3900



INSTALLATION:
Install standard unit into a 1/8" NPT Boss from the inside of the tank out, stem must be horizontal as shown with float action vertical.

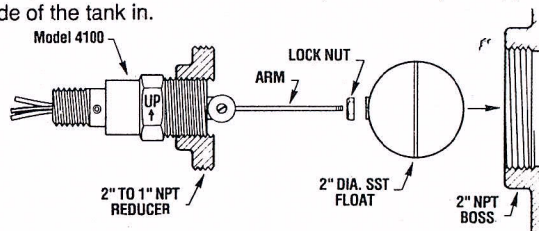
Model 4100



INSTALLATION:

Install Model 4100 Level Switch horizontally with arrow pointing up as shown. Access to inside of tank thru a 1" NPT Boss: Loosen lock-nut and unscrew float from arm. Install into a 1" NPT Boss (arrow must point up). Reassemble float from inside of tank.

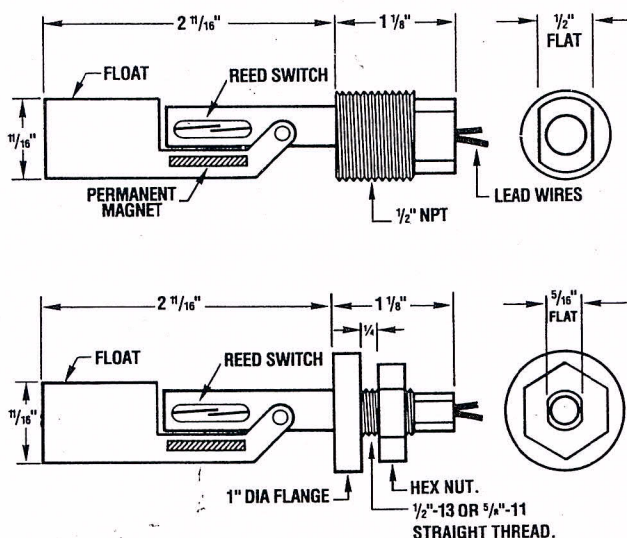
Installation from outside of tank thru a 2" NPT Boss: Loosen lock-nut and unscrew float from arm. Install into a 2" to 1" NPT Reducer, reassemble float. Insert into a 2" Boss (arrow must point up) from the outside of the tank in.



Model 4400

UL FILE NO. E 86797

UL Recognized



INSTALLATION:

1/2" NPT installs through a 1/2" NPT Boss from the outside of the tank in. 1/2" - 13 installs through a 33/64" dia. hole, 5/8" - 11 installs through a 21/32" dia. hole, from the inside of the tank out. Use a pipe sealing compound compatible with plastic and do not over tighten. Differential: Float travel of approximately 3/8" to deactuate switch for either N.O. or N.C. operation at either tank empty or full condition. Switch logic is reversed by rotating unit 180°.

CAUTION:

Installation, operation and maintenance must be in strict accordance with Thomas Catalogue and installation/maintenance sheets.

WARNING:

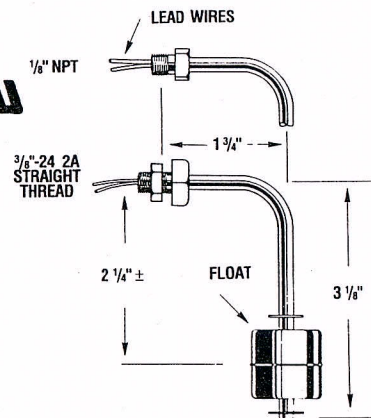
Misuse of product can cause personal injury. Do not exceed any ratings listed in Thomas Products catalogue and installation/maintenance sheets. Level switches must not be field repaired. Consult factory for any additional assistance required.

Model 4900

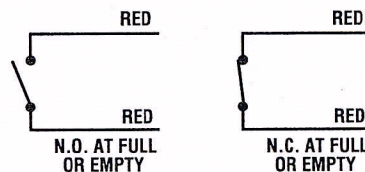
UL Recognized

INSTALLATION:

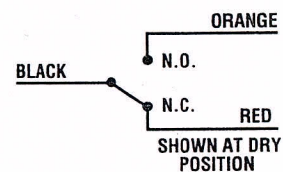
Install unit as shown, float action maybe inclined 30° max. Switch logic is changed by inverting the unit or reversing the float. Consult factory for details.



WIRING DIAGRAM FOR STANDARD SPST SWITCHES



WIRING DIAGRAM FOR SPDT SWITCHES



SWITCH RATINGS MAX RESISTIVE LOAD

| V.A. | VOLTS | AMPS DC | AMPS AC | AMPS AC MAX |
|------|-------|---------|---------|-------------|
| 20 | 0-50 | .4 | .4 | 1.0 |
| | 120 | .15 | .16 | |
| | 240 | .06 | .08 | |
| 100 | 0-50 | 1.0 | 1.5 | 3.0 |
| | 120 | .4 | .8 | |
| | 240 | .2 | .4 | |

Switch Rating of UL Recognized Units, 20VA:

Plastic Stem: 50-240VAC Pilot Duty

Metal Stem: 120-240VAC Pilot Duty

Installation 4100