

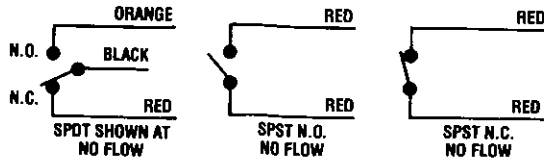


# THOMAS PRODUCTS LTD.

LEVEL & FLOW SWITCHES  
SOUTHINGTON, CONNECTICUT 06489-1023 U.S.A.

## INSTALLATION and MAINTENANCE Models 1500, 1600, 1700, 1800, 1801, 1900, 2000, 2600, 2601

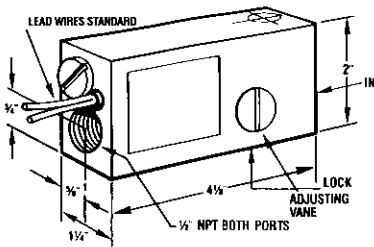
### WIRING DIAGRAMS . . .



**INSTALLATION:** Install to Proper IN-OUT directions and calibration attitude. Keep unit free of all thread sealing compounds, etc. The use of 50 micron filtration is suggested for MODELS 1500, 1600, 1700, 1800, 1801, 1900, 2000, 2600, 2601

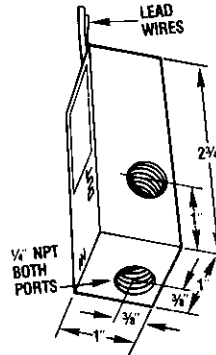
**MAINTENANCE:** Before servicing any Thomas Products Flow Switch, for safety reasons system should be shut down, pressure released and excess liquid removed.

#### MODEL 1500



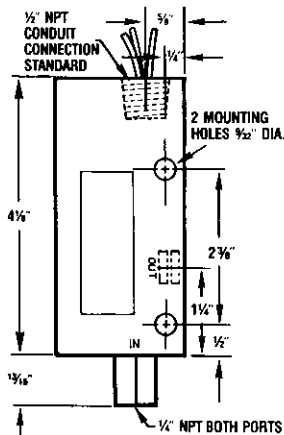
**INSTALLATION:** Unless otherwise specified Model 1500 can be installed in any attitude for which calibrated.  
**SETTING ACTUATION:** With unit connected and desired flow pumping (liquid or gas) loosen locking screw only enough for rotation of vane. Adjust vane until switch first actuates for either N.O. or N.C. condition, tighten locking screw.  
**MAINTENANCE:** To disassemble, remove piston plug, spring and piston, wipe down components as necessary.

#### MODEL 1900



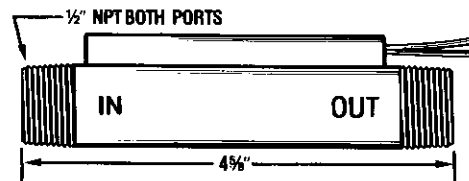
**INSTALLATION:** Unless otherwise specified Model 1900 is factory calibrated in water on increasing flow. Install vertically as shown with lead wires up. Set point accuracy will slightly change in other than vertical position.  
**MAINTENANCE:** To disassemble, remove retaining ring, piston and spring, wipe down as necessary.

#### MODEL 1600 1700



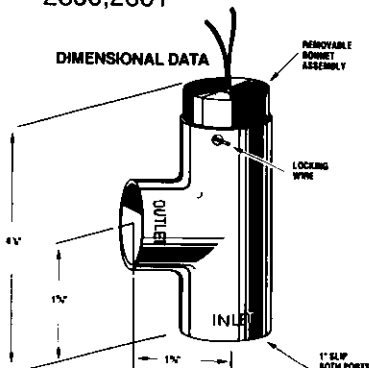
**INSTALLATION:** Unless otherwise specified Models 1600 and 1700 are factory calibrated in water on increasing flow. Install vertically as shown with lead wires up. Set point accuracy will slightly change in other than vertical position.  
**MAINTENANCE:** To disassemble, remove inlet fitting, piston and spring, wipe down as necessary.

#### MODEL 2000



**INSTALLATION:** Unless otherwise specified Model 2000 is factory calibrated in water on decreasing flow. Install horizontally as shown. Set point accuracy will slightly change in other than horizontal position.  
**MAINTENANCE:** To disassemble, remove retaining ring, orifice, piston, spring and stop washer, wipe down as necessary.

#### MODEL 1800 1800, 1801 2600, 2601



**INSTALLATION:** Unless otherwise specified Model 1800 is factory calibrated in water on increasing flow. Install vertically as shown with lead wires up. Set point accuracy will slightly change in other than vertical position.  
**INSTALLATION OF 1" PVC PIPE OR ADAPTERS:** Use standard medium bodied PVC solvent cement, (customer supplied). Follow assembly instructions on label. Do not use excess cement.  
**MAINTENANCE:** To disassemble push down on bonnet, pull out locking wire, slowly pull up bonnet using care not to damage "O" ring in locking wire hole. Remove retaining ring and wipe down as necessary.

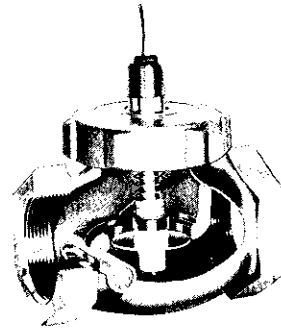
### CAUTION:

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

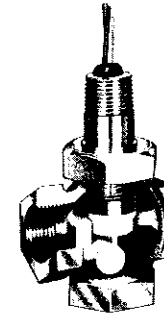
### WARNING:

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

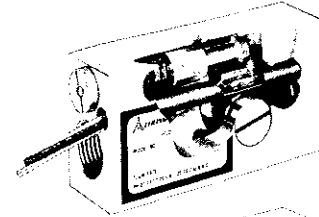
**THOMAS FLOW SWITCHES... SIMPLE... ACCURATE... DEPENDABLE**  
**AN EDGE IN CONTINUOUS PROTECTION**



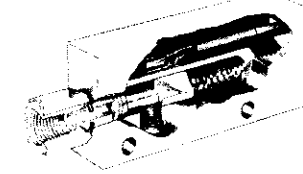
MODEL 1100 or 1200 1/4" to 3" NPT  
 .4 to 100 GPM Fixed and Adjustable  
 Settings



MODEL 1300 or 1400 1/4" NPT Fixed  
 and Adjustable Settings



MODEL 1500 1/2" NPT  
 .1 to 20 GPM  
 Adjustable



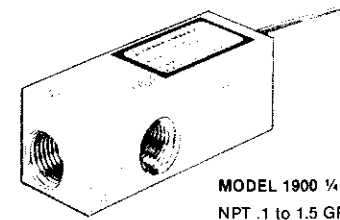
MODEL 1600 1/4" NPT  
 .1 to 1.5 GPM  
 MODEL 1700 1/4" NPT  
 1 CC/MIN. to 300 CC/MIN.



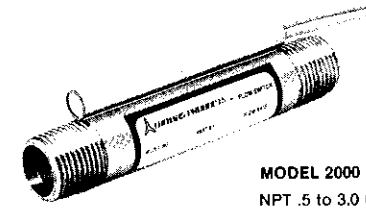
MODEL 2400/2500  
 1" NPT  
 Mounting



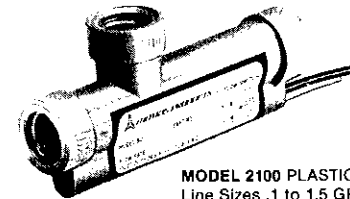
MODEL 1800 PVC 1" Slip to 1/2" NPT  
 1.0 GPM Fixed Settings  
 PAT. NO. 5,162,624



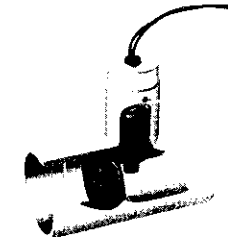
MODEL 1900 1/4" NPT  
 .1 to 1.5 GPM



MODEL 2000 1/2" NPT  
 .5 to 3.0 GPM

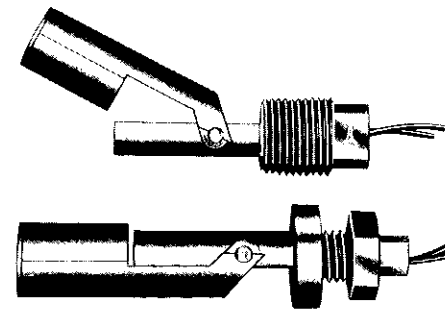


MODEL 2100 PLASTIC 1/4" to 1/2" Line  
 Sizes .1 to 1.5 GPM

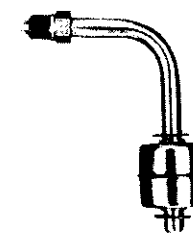


MODEL 2600 PVC 1/4" to 2" Slip  
 or NPT .5 to 2 GPM  
 PAT. NO. 5,162,624

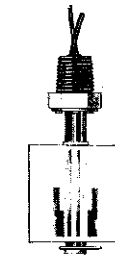
**THOMAS LEVEL SWITCHES...**



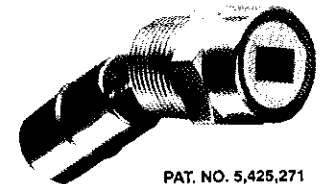
MODEL 4400 Plastic 1/2" NPT,  
 1/2"-13 or 3/8"-11 straight thread



MODEL 4900 Brass and 316 SST 1/4" NPT  
 or 1/4"-24 straight thread.  
 Floats of SST, Buna N, polypropylene  
 or polysulfone.

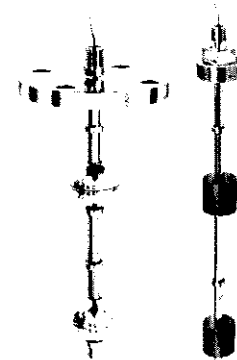


MODEL 4200 Plastic 1/4" NPT  
 or 1/4"-16 straight thread



PAT. NO. 5,425,271

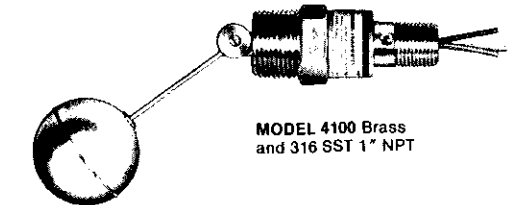
MODEL 5100 Brass and 316 SST  
 non-electrical flag type indicator 1/4" NPT



**MODEL 4000 MULTI-LEVEL INDICATORS**

- Seven standard mounting configurations
- Brass or 316 SS construction
- SST or Buna N Floats
- Polysulfone or Polypropylene Floats
- Up to six sensing levels
- SPST or SPDT Switches
- Choice of wiring configurations
- High temperature units

MODEL 4700 316 SST 1/4" NPT



MODEL 4100 Brass and 316 SST  
 1" NPT



MODEL 3900 Brass and 316 SST 1/4" NPT  
 mounting standard

PAT. NO. 5,117,693