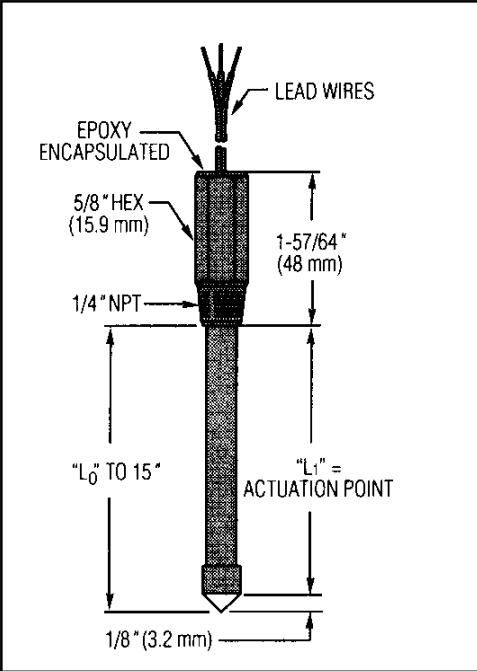
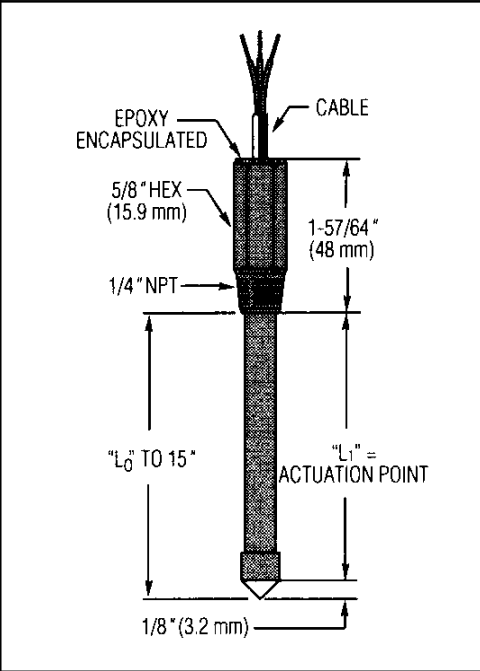


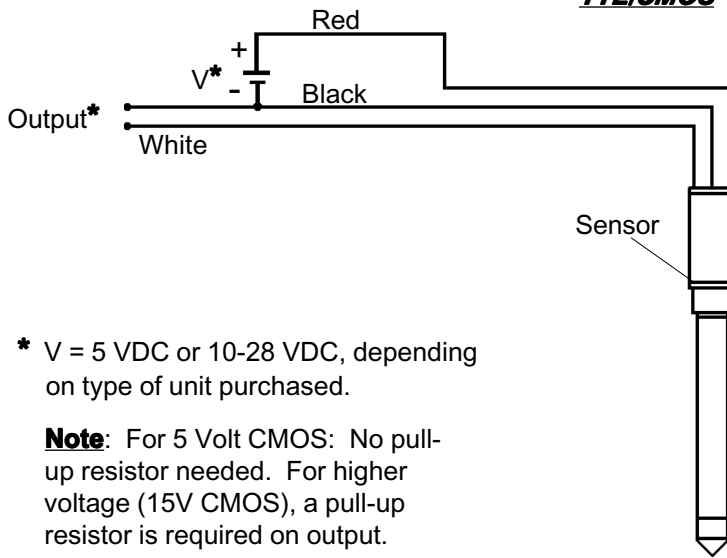
### Dimensional Data . . .

		
<b>Electrical Termination</b>	Lead Wires, 22 AWG, PVC Jacketed, 12" to 14" Extended	Cable, 22 AWG, PVC Jacketed, 12" to 14" Extended

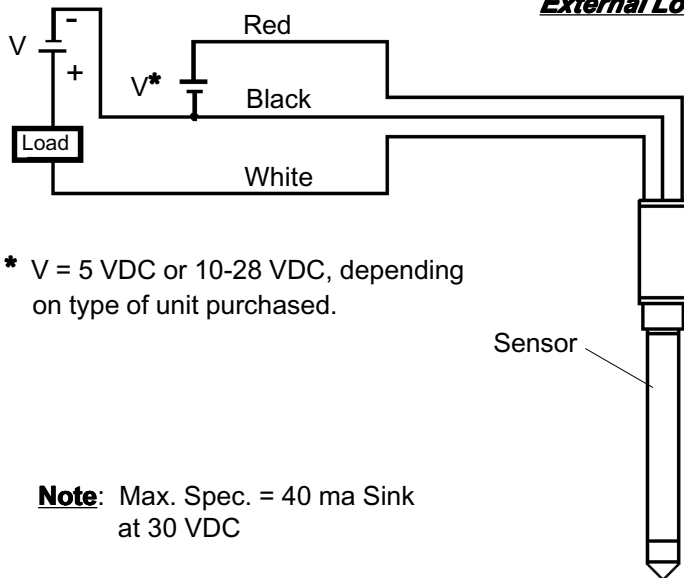
### Installation . . .

1. Use Teflon (TFE) thread tape or Permatex #80725 plastic pipe sealant to seal thread.  
***CAUTION: Pipe sealant must not come in contact with prism surface.***
2. Thread sensor into tank wall and tighten by hand. Further tighten an additional one to two threads past hand-tightness. (Avoid overtightening, as this may damage threads.)
3. Sensor may be installed in horizontal or vertical positions, ONLY.
4. Do not install sensor close to infrared sources.
5. Prism surface must be at least 2" from any reflective surfaces.
6. Connect power to red lead; return (-) to black lead. (Be sure to connect correct voltage to appropriate type unit.) Connecting 10-28 VDC to 5 VDC unit may destroy unit.
7. Output Configurations: ***See Figures 1, 2 and 3.***

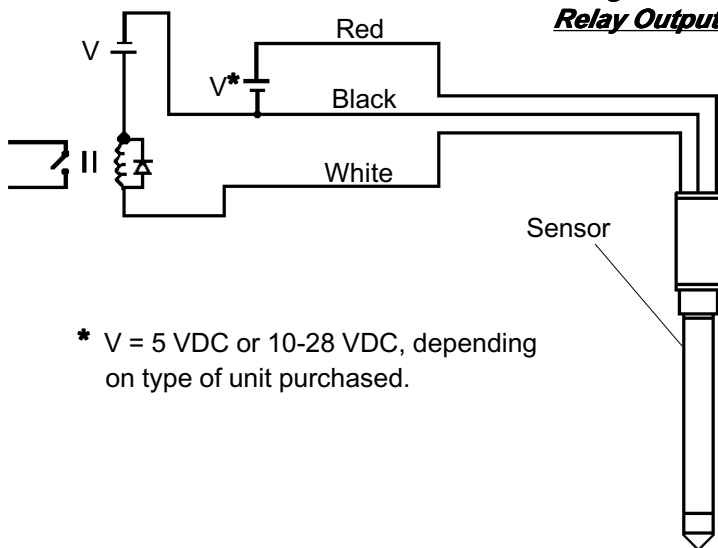
**- Figure 1 -  
TTLICMOS**



**- Figure 2 -  
External Load**



**- Figure 3 -  
Relay Output**



## Specifications . . .

### • Materials

Housing and Prism  
Polysulfone  
Other Wetted\*  
Epoxy and PVC

### • Operating Pressure

0 to 150 PSI, Maximum

### • Operating Temperature\*\*

0°F to 176°F (-17.8°C to +80°C)

### Current Consumption

18 mA, Approximately

### Output

- TTL/CMOS Compatible, Open
- Collector Output May Sink 40 mA up to 30 VDC.

### • Repeatability

±1 mm

### EMI Susceptibility

- Meets (MIL-STD-461B Part 2 Modified) Specification of 10 V/M for Frequency Range 30 to 1000 MHz (Except 609 MHz = 9 V/M and 679 MHz = 7.5 V/M.)

\*Only if unit is completely submerged.

\*\*These switches are not for use in freezing liquids.

## Maintenance . . .

Sensor may require a periodic cleaning of prism surface. Chlorinated hydrocarbons must not be used for cleaning. A mild detergent may be used to clean prism surface.

**Gems**  
Sensors

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