


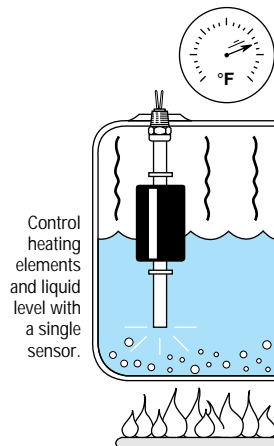
Optional Integrated Temperature Sensors

- ▶ Compatible with LS-700 and LS-800 Series Units
- ▶ Thermostat Switches or Transducer Versions

Advantages of integrated temperature sensors:

- Space Saving.
- Fewer intrusions into the tank.
- Electrical wiring emanates from a single source – eliminate multiple conduits.
- Economical – typically less expensive than separate sensors.

Look for units in this catalog with the temperature sensor icon: 



Thermistor for Continuous Indication

- Laser trimmed IC transducer.
- Excellent repeatability.

Value: 10,000 ohms @ 77°F (25°C)

Tolerance: ±0.2°C from 32°F to 158°F (0°C to 70°C)

Operating Temperature: 302°F (150°C), Max.

Alpha @ 25°C: -4.39%/°C

Dissipation Constant: 1mW/°C in Still Air;
8mW/°C in Oil Bath.

How to Order

Temperature transducers are available on LS-700 Series units with up to three actuation levels, and on LS-800 Series units with up to five actuation levels. To have transducer added, add suffix, -TT, to the basic series number. Example: LS-800-TT or LS-700-TT.

Thermostat for Switch Actuation

- Settings from 100°F to 225°F.
- Open or close switch on increasing temperature.

Use these switches to set off High/Low temperature alarms. Or, combine with GEMS relays to control tank heating and cooling, motor-operated valves, etc.

How to Order

To designate the thermostat switch option when ordering, add the suffix, -TH, to the basic series number. Example: LS-700-TH or LS-800-TH. Also specify the choice from selections A, B and C below.

A. Switch Rating:

For LS-800 Series: 6A/120V, 4A/240V, 100VA
(non-inductive).

For LS-700 Series: 2.6A/120V (inductive).

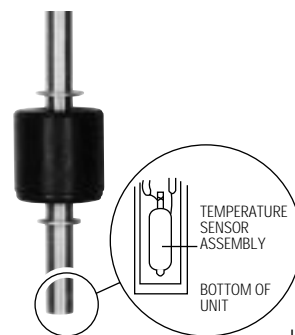
B. Contact Operation on Increasing Temperature:

“Opens” when Set Point reached or “Closes” when Set Point reached.

C. Standard Temperature Set Point (±10°F):

100°F, 125°F, 150°F, 175°F, 200°F or 225°F

Note: Other temperature settings and tolerances available; minimum order quantity applies. Please call GEMS Sensors Division for more information.



Note: End of unit stem must be submerged a minimum of 2-3/4" for level switch actuation.

Typical Wiring Diagram

