

# SL-100 Series THERMAL LEVEL ALARM

## Operational principle:

The SL-100 series utilizes the thermal dispersion principle of the dissipation of heat by liquid to detect the presence or absence of liquid as compared with air. A typical configuration uses two Temperature Detectors set within the tip of the sensor. One Temperature Detector is heated a few degrees above the other one. As the level of process liquid drop below the tip, the delta temperature rises and the output will change state.



## Features:

The Thermal Level Switch Monitor SL-100 housing is made of 304 stainless steel, suitable for high pressure, high temperature application. Because its rugged structure and there is no moving parts, it's can be maintenance-free for most application.

## Specifications: (Preliminary)

NO	Item	Specification
1	Power	110/220VAC $\pm$ 10 %
2	Alarm point	8 $\pm$ 1 mm Above the tip
3	Hysteresis	2 mm (approximate)
4	Insertion length	50 ~ 1500 mm
5	Response time	5 sec (approximate)
6	Indication	Green LED: Normal Red LED: Low level Yellow LED : No sensor
7	Operation temperature	5 ~80°C
8	Material	SUS 304
9	Diameter of probe	8 mm
10	Fitting	3/4" PT
11	Measuring liquid	Water solution
12	Waterproof grade	IP67
13	Option	Open collector(NPN), 40 mA Max.

Subject to change without notice.