

HiTECH

Technologies, Inc.

DUAL-FUNCTION **GAP** SWITCH for both **LEVEL & TEMPERATURE**

Ultrasonic GAP Technology

with integral temperature sensor

Model LT-20

IDEAL FOR:

- ◆ Refrigeration Automation
- ◆ Freon Testing
- ◆ Supply Line Automation
- ◆ Corrosive Liquids
- ◆ Pipe Lines
- ◆ Equipment reservoirs
- ◆ Various OEM Applications



The **HiTECH LT-20 Level & Temperature Switch** operates using an ultrasonic GAP level sensing technique. The electronic control unit, either integral or remote to the sensor, generates a signal that indicates the presence of liquid as well as when the correct liquid temperature (40 °F) is present.

Additionally, an integral temperature sensor monitors the liquid's temperature.

When the liquid is present and the temperature is above 40 °F, the relay stays at a de-energized state.

If liquid is present and the temperature is below 40 °F, the relay energizes and stays energized until the temperature reaches $40^{\circ}\text{F} \pm 2^{\circ}\text{F}$ or the liquid level falls below the sensing point.

The HiTECH LT-20 Level & Temperature Switch provides very reliable performance with virtually any liquid, regardless of the viscosity.

ADVANTAGES

Monitors both Level & Temperature

Easy to install

Monitors any liquid, even highly viscose

All wetted parts 316 SS

Unaffected by mounting orientation

HiTECH Technologies, Inc.

301 Oxford Valley Road, Yardley, PA 19067-7706

Technical support: 800. 755. 4507

Tel: 215. 321. 6012 ~ Fax: 215. 321. 6067 ~ www.hitechtech.com

DUAL-FUNCTION GAP SWITCH
for both
LEVEL & TEMPERATURE

Model LT-20

SPECIFICATIONS

Type

Ultrasonic dual sensing switch for level and temperature 40° F

Outputs

Relay output, 10 Amp (dry contact N.O.)

Sensor

316 SS Standard
Other materials available

Operating Point

Repeatability 2 mm or better

Input Power

115 VAC 50/60 Hz

Mounting

1" NPT Standard

Delay

0.5 seconds

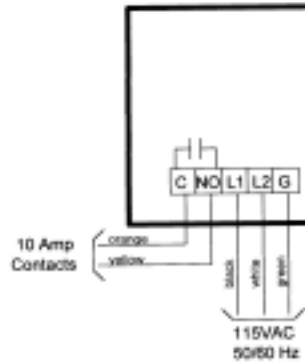
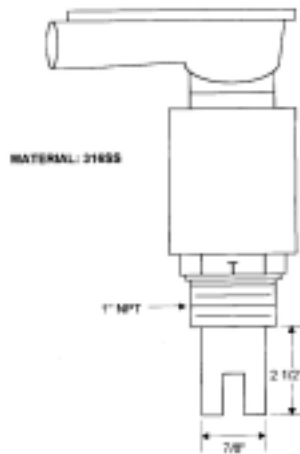
Temperature

-20° F to +160° F

Pressure

Up to 1000 psig

Dimension Drawing



Wiring Drawing

PERFORMANCE GUARANTEE

Since 1986, every instrument sold by **HITECH** has been guaranteed to perform in the application it originally was engineered and recommended for. Our company policy remains the same, every product sold comes with a written performance guarantee.

Should the equipment be unable to perform satisfactorily in your application and we are not able to correct the problem, we will accept the instrument in return and issue full credit.

This performance guarantee is valid for 60 days. Thereafter, our standard limited two years factory warranty goes into effect.

Copyright HITECH Technologies, Inc. 2000