

HiTECH

Technologies, Inc.

SuperSwitch™ LL-104 Miniature Integral Loop Power Liquid Point Level Switch

Model LL-104

SuperSwitch™ Ultrasonic Sensing Technology

APPLICATION

- ◆ Food Processing
- ◆ Chemical
- ◆ Petrochemical
- ◆ Pharmaceutical

ADVANTAGES

1000: 1 wet to dry ratio

316 stainless steel sensor

**Application in liquids with
varying viscosities, foaming,
polymerizing and more.**

Small ~ 3/8" & 1/2" NPT mounting

Epoxy painted enclosure

Miniature, encapsulated electronics

No calibration or special installation

FM approved

CSA approved



The SuperSwitch™ LL-104 Liquid Level Switch is the ideal solution to a host of liquid level sensing and control applications.

It uses proven ultrasonic technology to operate in virtually any liquid, regardless of viscosity or aeration.

Its small size and standard 3/4" NPT mounting make it the perfect choice for new or existing applications.

The LL-104 consists of a 316SS sensor and an integral miniaturized, encapsulated electronic control unit which is mounted in a cast aluminum, explosion-proof, watertight enclosure.

HiTECH Technologies, Inc.

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SPECIFICATIONS

Repeatability:

2 mm typical

Delay(On):

0.5 seconds (standard)

Input Power:

9 or 30 V DC

Outputs:

Low Level Failsafe: 4 ± 1 ma Dry, 20 ± 1 ma Wet,

High Level Failsafe: 20 ± 1 ma Dry, 4 ± 1 ma - Wet

Temperature Range:

Sensor	-40° F to +300° F
Electronics	-20° F to +170° F

Housing:

Cast Aluminum, Explosion-proof & Watertight
NEMA 4 / NEMA 7 , Class I, Group C & D,
Class II, Group E., F, & G, Class III, Div. 1 & 2

Sensor Material:

316SS standard

Pressure:

Operating: Up to 1000 psig

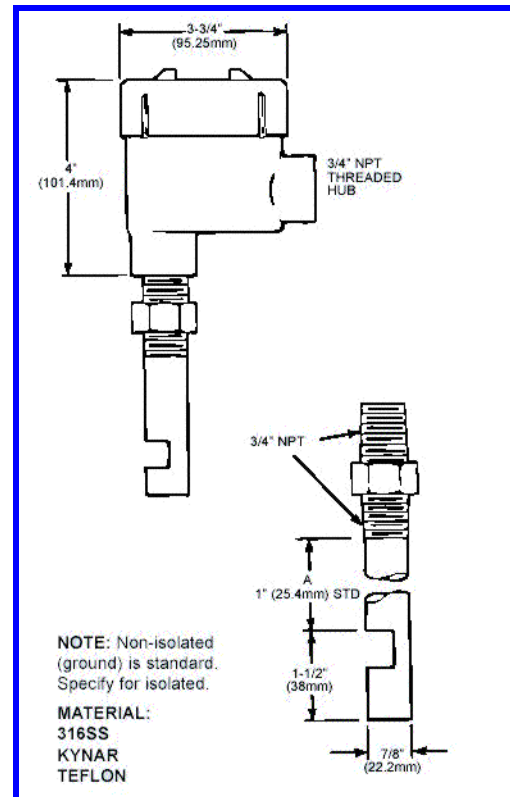
Mounting:

3/4" NPT standard

Flange Mounting available

Weight:

1 lb. (.45kg) approximate



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.