

HiTECH

Technologies, Inc.

SuperSwitch™ LL-106 High Temperature Liquid Point Level Switch

Model LL-106

SuperSwitch™ Ultrasonic Sensing Technology

APPLICATION

- ◆ Molten Asphalt
- ◆ Crystallizer Fluids
- ◆ Textile Fiber Materials
- ◆ Applications requiring sensor steam cleaning

ADVANTAGES

Up to 750° F

1000: 1 wet to dry ratio

316 stainless steel sensor

Epoxy painted enclosure

Miniature, encapsulated electronics

No calibration or special installation

FM approved

CSA approved



The SuperSwitch™ LL-106 Liquid Level Switch is the ideal solution to a host of high temperature level sensing and control applications (up to 750°F).

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-106 consists of a special high temperature Titanium sensor and remotely mounted electronic control unit for applications up to 750°F (399°C).

An optional 316SS sensor is available for applications up to 550°F (288°C). Integral control option for applications up to 450°F (232°C).

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SPECIFICATIONS

Repeatability:

2 mm typical

Delay(On):

0.5 seconds (standard)

Input Power:

115V or 230V 50/60 Hz AC standard;
12 or 24V DC optional

Outputs:

10A SPDT relay standard,
4-20 mA, 2-wire (optional)

Temperature Range:

Sensor -40° F to +750° 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 (Up to 550° F),
Titanium (Up to 750° F)

Pressure:

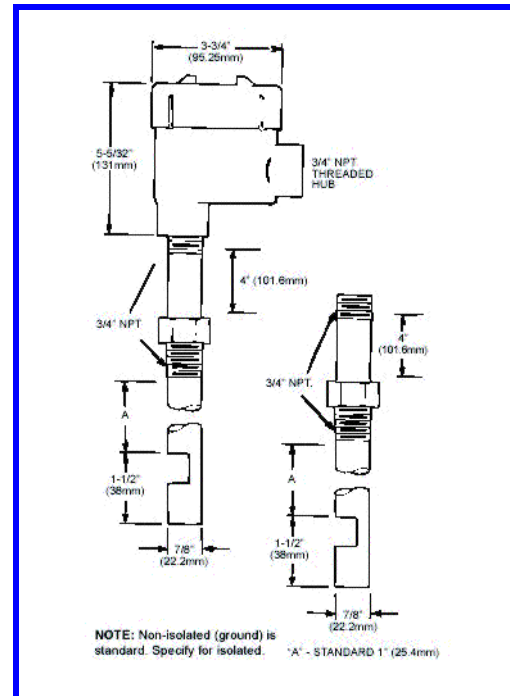
Operating: Up to 1000 psig

Mounting:

3/4" NPT standard
Flange Mounting available

Weight:

2 lb. (.9kg) 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.