

HiTECH

Technologies, Inc.

SuperSwitch™ Interface Integral Liquid Level Switch

Ultrasonic Sensing Technology

Model LL-107

IDEAL FOR:

- ◆ **Single Point Interface**
 - Oil/Water
 - Coal Slurry/Oil
- ◆ **Multi-Point Interface**
- ◆ **Slurry and Sludge Density**

ADVANTAGES

Easy Installation and Set-up

3/4" NPT Mounting
No Calibration

Maintenance Free

Rugged Construction

Compact Sealed Electronics
316 Stainless Steel Sensor

High Pressure Operation

Up to 1000 psi

Agency Approvals

FM - Factory Mutual
CSA - Canadian Standards Association



HiTECH's Model LL-107 is an integral interface switch capable of detecting the interface of two immiscible liquids. It can also detect the interface of a liquid and settled solids.

The discrimination occurs from the differences in physical properties of the liquids. The ultrasonic signal is attenuated in one liquid as compared to another liquid. A multipoint interface sensor version is also available.

Requiring no calibration, the **Interface Switch** with its compact design and 3/4" NPT mounting is unbelievably easy to install.

The miniaturized, encapsulated and totally sealed electronics, housed in a cast aluminum, explosion-proof, watertight enclosure is designed to provide many years of maintenance-free service.

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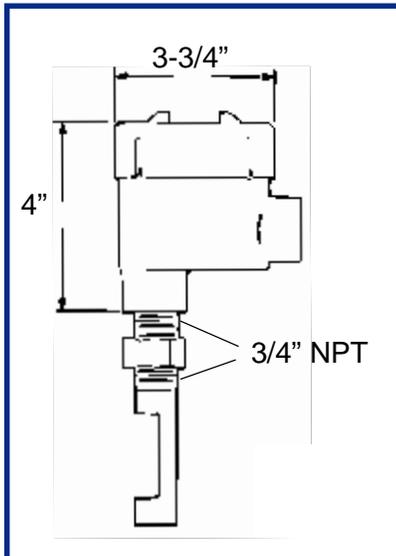
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SPECIFICATIONS

Type Ultrasonic Interface Level Switch	Input Power Standard 115 or 230VAC 50/60 HZ Optional 12 or 24 VDC	Sensor Standard 316 Stainless Steel
Repeatability: 0.08 " or better	Outputs Standard 10A DPDT relay	Mounting Standard 3/4" NPT Optional Flange mount
Delay (on) Standard 0.5 seconds	Temperature Electronics -20 °F to +170 °F Sensor -40 °F to +300 °F	Housing NEMA 4 & 7 Cast Aluminum
Pressure Up to 1000 psig		



APPLICATIONS

MULTI-POINT INTERFACE
SLURRY DENSITY
SLUDGE DENSITY

SINGLE POINT INTERFACE

SINGLE POINT INTERFACE
SLURRY DENSITY
SLUDGE DENSITY

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.

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