

HiTECH

Technologies, Inc.

ConductiSwitch™

Conductive Liquid Point Level

Conductivity Sensing Technology

uses small signal AC current sensing

Model KRK/KSK

IDEAL for

- ◆ Pump Control
- ◆ Run Dry Protection
- ◆ Overfill Alarm
- ◆ Spill/Leak Detection



ADVANTAGES

Universal Isolated Power Supply

AC and/or DC operation

Intrinsically Safe (optional)

DIN rail mounted module

NEMA 4 Enclosure (optional)

Relay Output

Fault Monitoring

Selectable Operating Mode

Overfill or Run-Dry

Easy Installation

Maintenance Free

Compact Rugged Construction

The **HiTECH ConductiSwitch™** is a conductive liquid level detector based on the conductivity sensing technology.

A small AC signal is applied between a conductive electrode, mounted with its tip located at the point to be detected, and ground (typically the liquid container). When the liquid touches the electrode a very small AC current begins to flow (no electrolysis). The current is sensed by the electronic module and converted into a switching signal.

The **ConductiSwitch™** is ideal for a variety of conductive liquid level detection applications, including: run-dry protection, tank overfill, and pump control.



HiTECH Technologies, Inc.

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SPECIFICATIONS

Type

Conductivity Sensing Technology
conductive liquid point level

Probe Voltage

18 VAC

Power Supply

24, 110, 230 VAC
50/60 Hz; -15% ...+10%
4000 V Isolation

Response Resistance

Adjustable 0 to 50 K ohms

Probe Current

0.3 mA...1 mA

Dimensions

1.4" W x 3.1" H x 2.6" D

Response Time

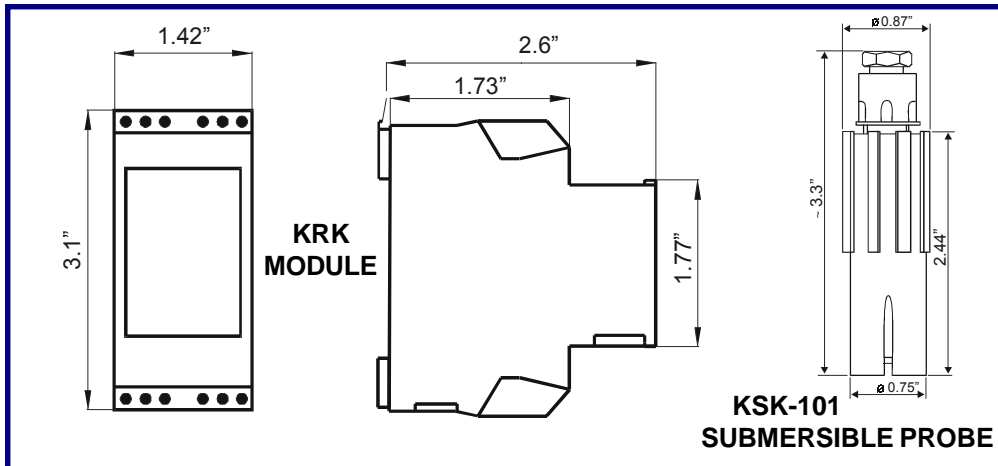
Adjustable 0.5 to 1 second

Output

Relay SPDT
250 VAC; 8A

Weight

210 grams



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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