



# Electronic Sensors, Inc.

## Model LS7000 RF Point Level Switch

### DESCRIPTION

This is an excellent general purpose level control device. It can sense all liquids and the "difficult to measure" dry materials.

### OPERATION

The probe uses a radio frequency balanced impedance bridge to detect the presence or absence of a product. Upon contact with the product, the probe's frequency is altered therefore signifying the presence of the product. The probe is supplied with an adjustable delay on or delay off timer. The timer is used to ignore wave action in a tank or control a pump using a single probe.

### SPECIFICATIONS

#### Range

Function of mounting

#### Accuracy

Field adjustable

#### Temperature Range

Probe: -30°F to 450°F

Electronics: -40°F to 185°F

#### Temperature Compensation

N/A

#### Input

115VAC, 50/60 Hz, 2 Watts Standard  
(24VDC optional)

#### Output

2 Form C Contacts, DPDT Relays

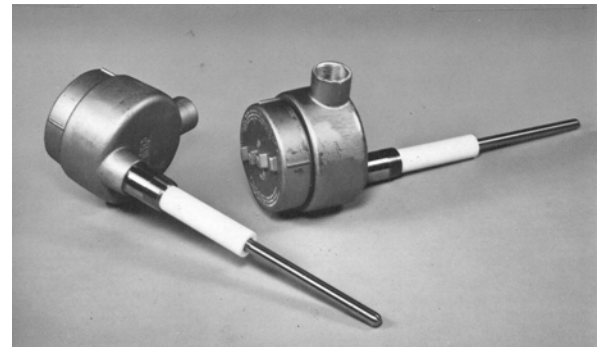
#### Mounting

1" NPT

#### Construction

Sensor: 316SS (Halar coating available)

Electronics Enclosure: Explosion-proof, copper free, cast aluminum



#### Pressure Rating

1500 PSI @ 75°F

#### Approvals (Enclosure only)

Class I, Group D

Class II, Groups E, F, G

**SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE**

**Electronic Sensors, Inc.**

2063 S Edwards St  
Wichita, KS 67213

Rev 10/09

Phone: 316-267-2807

Toll Free: 800-886-2511

Fax: 316-267-2819

Email: [leveldevil@leveldevil.com](mailto:leveldevil@leveldevil.com)

Home Page: [www.leveldevil.com](http://www.leveldevil.com)

**Level Devil**  
Bulk Inventory Management Systems

## LS7000 RF Point Level Switch

### HOW TO ORDER

LS7000- XXX X XX

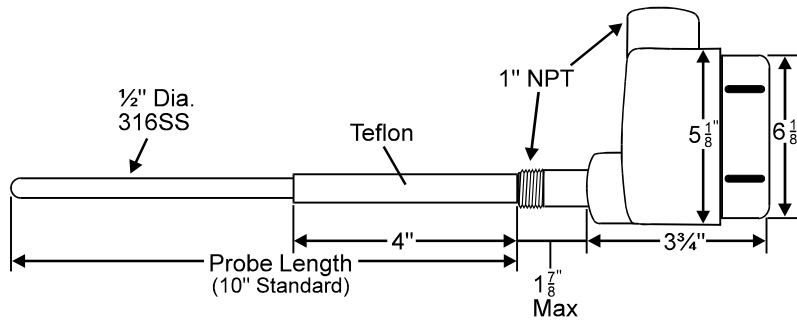
**Probe Length (Inches) \***  
Measured from end of nipple  
to the tip of the probe

**Probe Construction**  
S - 316SS  
H - Halar coated

**Supply Voltage**  
115 - 115VAC  
024 - 24VDC

\* Must be between 10" and 170" for 316SS and between 10" and 108" for Halar

### DIMENSIONS



Your Area Representative:

**Electronic Sensors, Inc.**  
2063 S Edwards St • Wichita, KS 67213  
Phone: 316-267-2807 • Fax: 316-267-2819  
Toll Free: 800-886-2511  
Email: [leveldevil@leveldevil.com](mailto:leveldevil@leveldevil.com)  
Home Page: [www.leveldevil.com](http://www.leveldevil.com)

