



Product sheet

Level Alarm & Interface detection Model L30

Lidec liquid level switch for secure level alarm & interface detection

Benefits

Completely static device

Operating with safety
(self-monitoring)

Extensive installation possibilities

Insensitive to vibrations, shocks
and electrical disturbances

In addition to tank level gauges, independent level alarms can be used as devices for safe and economic inventory control of hydrocarbons and chemicals in bulk storage tanks. With the introduction of the Lidec liquid level switch Enraf offers both.

A wide array of applications

The new alarm switches are suitable for a wide array of applications. It detects all types of liquids. The level switches can be installed horizontally or vertically.

The Lidec L30 probe can be bended to cope with difficult installation conditions.

A special probe can be applied for aggressive chemicals and high pressure tanks.

All switches are certified explosion proof for use on tanks containing flammable products.

A revolutionary approach

The Lidec liquid level switch is based on a Surface Acoustic Wave (Rayleigh wave).

This concept is completely static, without vibrations or moving parts. The reliability of the device is ensured by a self-monitoring function which signals electronic or transducer failures. The alarm switch can be used for any type of storage tank either made of steel or of non conductive materials as concrete, fiberglass etc.

Detects all liquids

The Lidec liquid level switch detects all liquids. Also, it requires no calibration as it is not influenced by the type of fluid.

Honeywell

Measuring specifications

Instrument accuracy : $\pm 2 \text{ mm}$ (0.08")

Principles

Measuring principle : Surface Acoustic Wave (Rayleigh wave)

Mechanica

Dimensions : See drawing opposite

Cable entries : see Identification code Pos 4

Tank connection : 1/2" BSP

Environmental

Ambient temperature : $-25 \text{ }^{\circ}\text{C}$ to $+70 \text{ }^{\circ}\text{C}$ ($-13 \text{ }^{\circ}\text{F}$ to $+158 \text{ }^{\circ}\text{F}$)

Liquid temperature : $-40 \text{ }^{\circ}\text{C}$ to $+150 \text{ }^{\circ}\text{C}$ ($-40 \text{ }^{\circ}\text{F}$ to $+302 \text{ }^{\circ}\text{F}$)

Protection class : IP 66

Safety : Intrinsically safe

- II 2 G/D -EEx d IIC T6 LCIE03 ATEX6094X

Materials

Head : Aluminum

Probe : Stainless steel 316L

Electrical

Power supply : 24 Vdc or 220 Vac

Power rating : $< 0.8 \text{ W}$

Dimensional drawings



