

LIQUID LEVEL SENSOR

LS Series - Horizontal Level Sensor

LS309-11N

Design Features

- High or low level sensing
- Internal
- Reed Switch reliability
- Nitrile sealing components
- Easy installation

Product Comments

- UL listed model, File E98428
- Normally open or normally closed by rotating through 180°
- Suitable for a wide range of liquids
- Interface option available
- Nylon 6.6 Material

Typical Applications

- Chemical high or low level
- Cooking Oil
- Fuel low level
- Alcohols
- Slump Level

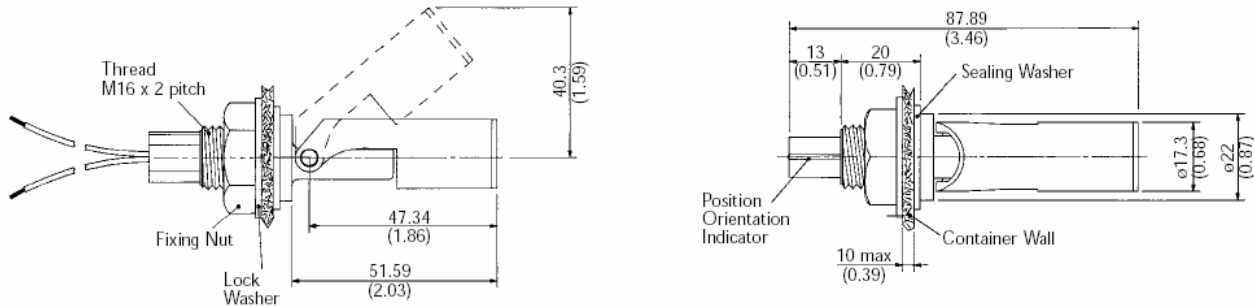


Material, Design and Operation

Mounting:	Side Entry
Material:	Nylon 6.6
Fitting	Internal
Contact Form:	Form A - SPST
Contact Material:	Ruthenium
Maximum Switching Volts:	250VAC
Maximum Switching Current:	1.0
Maximum Power:	70 Watts
Housing Temperature Range °C:	110
Housing Material:	Glass Filled Nylon 6.6
Housing Colour:	Blue
Float Material:	Glass Filled Nylon 6.6
Connection Type:	Stripped Cables
Cable Type:	2 x 18AWG 32/0.2mm PVC insulated 0.5m long to UL/CSA/BS6361
Cable Colour:	Black/Black
Minimum Specific Gravity:	0.85
Operating Temperature Range °C:	110
Medium/Liquid	Fuels & Oils
Mounting Shock:	50g for 11ms duration
Operating Pressure Bar:	4
Mounting Vibration:	35g up to 500Hz
Operate Mode:	N/C with float horizontal

Line Drawing

Internal Fitting



Termination Options

The following terminal options are available with this part number. When ordering please add the appropriate suffix to the required Level Sensor part number.

Suffix	Example	Description
-BB		10.0 x 1.9mm Boot Lace Ferrule The cable is terminated with Davico DUCE1010 boot lace ferrule
-CC		Insulated Female Faston Terminals The cable is terminated with 6.25mm Insulated female Faston terminals

INTERNAL FITTING

CONTAINER WALL
(THICKNESS MAX 10mm, MIN 1mm)

NOTE! DRILL 0.65" OR 16.5mm HOLE,
ENSURE FREE FROM SWarf AND
SHARP EDGES.

LOCK WASHER

FIXING NUT

NOTE! MAX TORQUE 3lbs/ft
OR 4Nm.

