

Level sensor products

Level switches



Introduction

Level switches can be used in a number of tank management applications including:

- Spill prevention
- Automatic Shut-in
- Process Automation
- Failsafe Backup

Switches are available in 2 different kits:

- Standalone single high level switch
- Standalone dual high level switch

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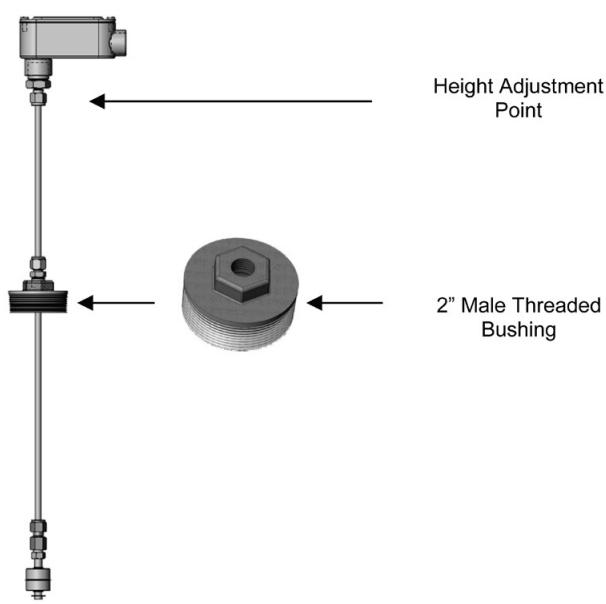
Description

Each option contains a float-based, reed switch that detects a level change. The output is either an open or closed circuit depending on the orientation of the float. The travel has approximately 0.5 inch range of motion with 0.25 inches in the open state and 0.25 inches in the closed state.

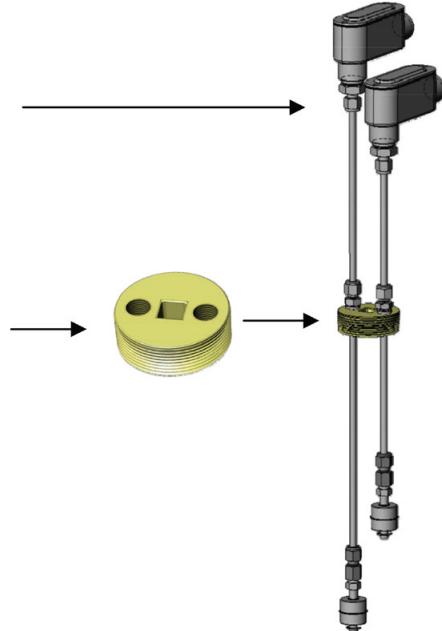
The switch level can be adjusted from 3 inches from the top to 36 inches. The length of the tubing can also be reduced by removing the top conduit box and cutting the stainless steel tubing to the desired length.

Both switches come with a 2 inch male bushing for installation into an existing tank port or reducer bushing. The single switch version has a hex fitting for installation. The dual version has a square socket for tightening.

Single high level switch



Dual high level switch



Specifications

Floats

Material	316 Stainless steel (Fiberglass available on request.)
Technology	Dry Contact Reed Switch
Switch states	Normally open or normally closed options (Based on float orientation.)
Contact rating	100 VA SPST
Max. switching voltage	300 V AC / 350 V DC
Max. switching current	1.0 A AC / 2.5 A DC
Specific gravity	0.72
Max. pressure	900 psi
Temperature range	-40° F to 300° F
Diameter	1.08"
Range of switch level	Adjustable 3" to 36" from top of tank
Hazardous area	Rated for Class 1, Div 1, Group D with intrinsically safe barrier PCBA (2100336-001) or barrier assembly (2100339-001) Rated for Class 1, Div 1, Group C with intrinsically safe barrier PCBA (2100336-002) or barrier assembly (2100339-002)

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