ABB MEASUREMENT & ANALYTICS | DATA SHEET

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:

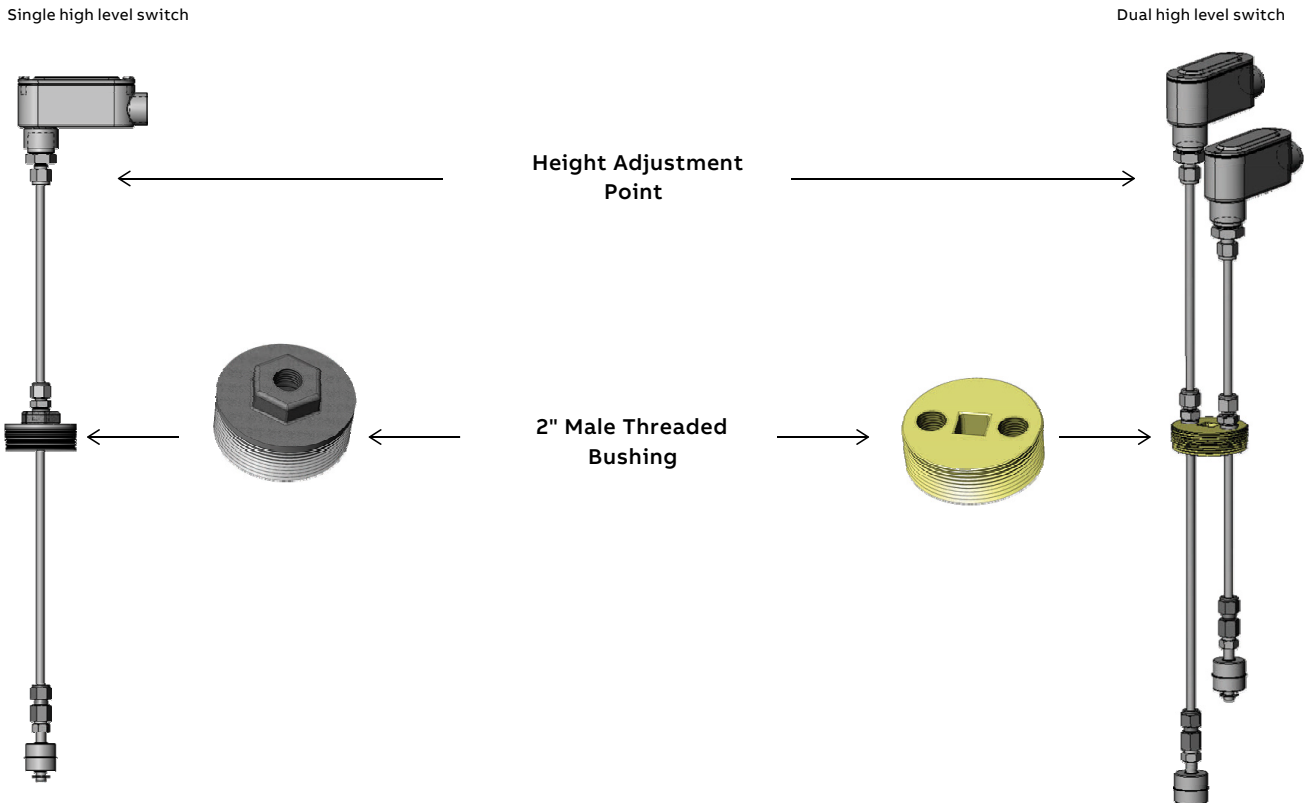
- Standalone single high level switch
- Standalone dual high level switch

Description

Each option contains a float-based, reed switch thadetects a level change. The output is either an opeor 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.



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)

ABB Inc.
Measurement & Analytics
Quotes: totalflow.inquiry@us.abb.com
Orders: totalflow.order@us.abb.com
Training: totalflow.training@us.abb.com
Support: totalflowsupport@us.abb.com
+1 800 442 3097 (opt. 2)

Main Office
7051 Industrial Boulevard
Bartlesville, OK 74006
Ph: +1 918 338 4888

www.abb.com/upstream

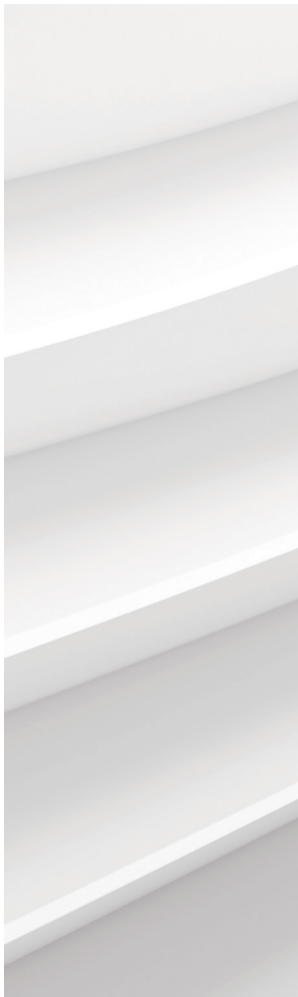
California Office
4300 Stine Road
Suite 405-407
Bakersfield, CA 93313
Ph: +1 661 833 2030

Kansas Office
2705 Centennial Boulevard
Liberal, KS 67901
Ph: +1 620 626 4350

Texas Office – Odessa
8007 East Business 20
Odessa, TX 79765
Ph: +1 432 272 1173

Texas Office – Houston
3700 West Sam Houston
Parkway South, Suite 600
Houston, TX 77042
Ph: +1 713 587 8000

Texas Office – Pleasanton
150 Eagle Ford Road
Pleasanton, TX 78064
Ph: +1 830 569 8062



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