

Float Level Switch

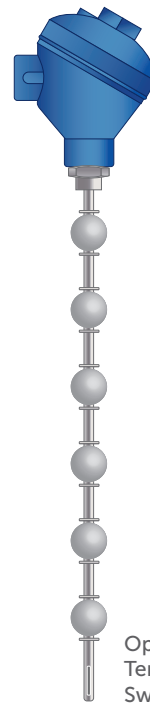
Float Level Switch



H&B Sensors offer a wide range of float Level Switches which can be either vertically or horizontally mounted to any tank or vessel through a threaded or flanged connection. Our range of Float Level Switches offer volt free contact switch types and include normally open, normally closed or change over configurations.

There are a number of different models in the range depending upon your application and required features. All typical options are available including connection head style and material, process connection, float positioning and float style.

A variety of different approvals are available including ATEX Exd and IECEx Exd. In addition certain models can specified with an incorporated RTD or Thermocouple temperature sensor or temperature switch.



Optional Temperature Switch

Float Style 1



Float Style 2



Float Style 3



Options

Floats	Material	SP	Dimensions
Style 1	316 Stainless Steel	0.75	28mm Ø x 9.5mm Ø Bore x 27mm long
Style 2	316 Stainless Steel	0.53	50mm Ø x 15mm Ø Bore x 48mm long
Style 3	Buna-N	0.47	30mm Ø x 9.5mm Ø Bore x 30mm long

Process Connections

Material	316 Stainless Steel
Threaded	1" BSPP, BSPT or NPT
Flanged - Raised face	1", 1.5" or 2"
Flange Ratings	150, 300, 600, 900, 1500 or 2500lb

Float Level Switch

Specifications

Single Pole, Single Throw (S.P.S.T)

Wiring Colour Codes		
Switch	Colour	Number
Switch 1 (From the Bottom)	Brown	x 2
Switch 2	Red	x 2
Switch 3	Orange	x 2
Switch 4	Yellow	x 2
Switch 5	Green	x 2
Switch 6	Blue	x 2

Reed Switch

Contact Form	Normally Open / Normally Closed
Contact Material	Rhodium
Switching Capacity	Max. 400 VAC/DC
Switching Current	Max. 0.5 A
Carrying Current	Max. 1.0 A
Dielectric Strength	Min. 600 VDC
Contact Resistance	Max. 150 mOhms
Approvals	ATEX Exd, IECEX Exd

Single Pole Double Throw (Changeover)

Wiring Colour Codes			
Switch		Colour	Number
Switch 1	Close on Rise (N/O)	Brown	x 1
	Common	Red	x 1
	Close on Fall (N/C)	Orange	x 1
Switch 2	Close on Rise (N/O)	Yellow	x 1
	Common	Green	x 1
	Close on Fall (N/C)	Blue	x 1
Switch 3	Close on Rise (N/O)	Black	x 1
	Common	White	x 1
	Close on Fall (N/C)	Purple	x 1

Reed Switch

Contact Form	Changeover
Contact Material	Rhodium
Switching Capacity	Max. 125VAC/ 175VDC
Switching Current	Max. 0.28 A
Carrying Current	Max. 0.5 A
Dielectric Strength	Min. 200 VDC
Contact Resistance	Max. 120 mOhms
Approvals	ATEX Exd, IECEX Exd

Others		
Switch	Colour	Number
Temperature Switch	White	x 2*
PRT	Black	x 2

*Maximum number of float positions = 3 when a temperature switch or PRT is fitted