



Point Level Switch for Liquid

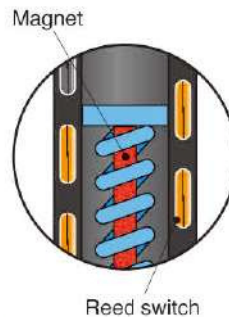
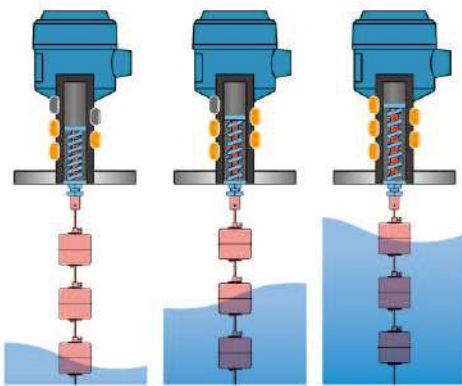
Displacer Type Float Switch

MFLD series

Features

- Applicable for liquids with the liquid specific gravity 0.8 - 1.2.
- It is strong against adhesion and not falsely detect if there is no adhesion that exceeds the weight of the float.
- Contact output at max. 6 points by one unit.
- Max. detectable distance is approx. 9m.
- Contact settings can be freely changed anywhere on the wire.

Measurement principle



The float integrated with wire moves up and down due to flotation in response to changes in the liquid level.

The magnet at the top of the wire opens and closes the reed switch built at the bottom of the terminal box to detect the water level.

Applications

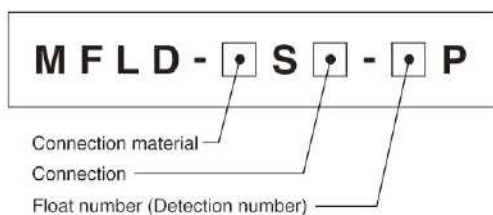


Long liquid tank



Adhesive/viscous liquid

Model selection



Connection material —
4: SUS304 (Standard)
6: SUS316

Connection —
A: JIS5K50A
B: JIS10K50A
D: Other flanges (Max.100A)
E: R2 thread
F: G2 thread
H: Specified thread

Float number (Detection number) —
1 - 6: Specify Float number.

Specification / Dimension

Model		MFLD-□S□-□P																												
Dimension		<p>* Dimensions when setting float position</p> <p>* All directions 1CN</p> <p>* Weight position to drop when the tank is empty</p> <table border="1"> <caption>Min. dimension of each contact</caption> <thead> <tr> <th>Float number</th> <th>1P</th> <th>2P</th> <th>3P</th> <th>4P</th> <th>5P</th> <th>6P</th> </tr> </thead> <tbody> <tr> <td>Max. upper limit</td> <td colspan="6">75mm</td> </tr> <tr> <td>Between contacts</td> <td colspan="6">65mm</td> </tr> <tr> <td>From the lowest point to top end</td> <td>105</td> <td>100</td> <td>95</td> <td>90</td> <td>85</td> <td>80</td> </tr> </tbody> </table>	Float number	1P	2P	3P	4P	5P	6P	Max. upper limit	75mm						Between contacts	65mm						From the lowest point to top end	105	100	95	90	85	80
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Sensor part	Detection method	Displacer type																												
	Measured object	General liquid (SUS corrosion resistance required)																												
	Wetted parts material	SUS304 *Float only SUS316L (Option SUS316)																												
	Float dimension	φ50 × 45																												
	Liquid specific gravity	0.8 ~ 1.2																												
	Process pressure	Max. 0.5MPa (static pressure)																												
	Wire length	Standard 5m (Max. 9m)																												
	Wire	dia.1mm, Tensile strength 1t																												
Spring	More than 10 million expansion & contraction operations																													
Output unit	Output contact number	SPST reed switch a contact (N/O=↑ON)																												
	Max. contact rating	10W, DC100V, DC0.5A / 10VA, AC100V, AC0.5A																												
	Operating position	ON at 20mm from the top of Float (ON hysteresis ±2.5mm) OFF at middle (30mm from top end) (OFF hysteresis +5mm / -10mm)																												
Installation specifications	Process temperature	-20 ~ +180°C (no freezing)																												
	Ambient temperature	-10 ~ +55°C																												
	Terminal box	AC4A (IP65)																												
	Lead outlet	G1/2																												
	RoHS directive	Applicable (At order, please specify.)																												
	Against fume	Teflon tubing shaft (standard) Rust-proof coated spring (option)																												

Inquiries including catalog requests and quotations

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