INDUMART Canada
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Float-type Level Switch

SERIES: LSF50

- ➢ UP TO 7 SWITCHING POINTS
- ➢ 140°C MAXIMUM FLUID TEMPERATURE
- ➢ VERTICAL ADJUSTMENT (OPTION)

INTRODUCTION

Indumart *LSF50 Series* of Float-type Level Switches is an excellent and economical solution for controlling height of liquids in tanks and reservoirs. The instrument can be supplied with up to five floats and seven switching points to control and notify the operator of the various levels of liquid in the tank.

Operation of the *LSF50 Series* is based on the switching of reed switches by a magnetic float, moving alongside a protective tube. Various float material and connection sizes are available for top mounting applications.

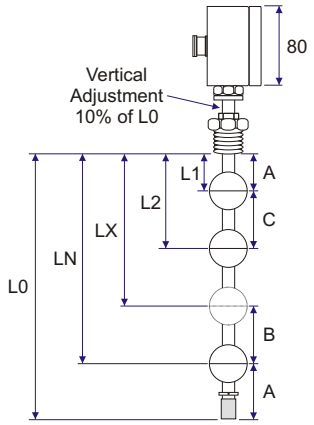
SPECIFICATIONS

Float Type	St. Steel (S1)		St. Steel (S2)		St. Steel (S3)		St. Steel (S4)		St. Steel (S5)		St. Steel (S6)	
Min. Specific Gravity	0.8		0.7		0.65		0.55		0.55		0.5	
Probe Length (mm) (¶)	100...1000		100...2000		200...3000		200...3000		300...5000		300...5000	
Nuber of Floats	1...3		1...3		1...4		1...4		1...5		1...5	
Ext. Tube Diameter (mm)	8		10		14		14		16/18		16/18	
Min. Distance A/B/C (mm)	25/30/50		34/40/68		40/57/82		39/54/78		50/75/100		70/110/136	
Process Connection	1"		1½"		2"		2"		3" or flange		3" or flange	
Max. Process Pressure	150 psi (10 bar)		450 psi (30 bar)		175 psi (12 bar)		450 psi (30 bar)		450 psi (30 bar)		150 psi (10 bar)	
Contact Type (†)	NO or NC	Changeover	NO or NC	Changeover	NO or NC	Changeover	NO or NC	Changeover	NO or NC	Changeover	NO or NC	Changeover
Max. Common Lead Contacts	3	-	4	2	5	3	5	3	7	4	7	4
Max. Separated Contacts	2	1	2	1	3	2	3	2	5	3	5	3
Contact Rating	120 or 230 VAC, 0.5 A max., 10 VA max.											
Process Temperature	-20...140°C											
Ambient Temperature	Aluminum housing: -40...75°C; ABS housing: -20...70°C											
Protection	IP65											
Housing	Aluminum housing: up to 6 terminals (contact leads); ABS housing: up to 12 terminals (contact leads)											
Wiring	Terminal block inside the protective housing; accessible through cable gland											

¶ Specify the exact length in 50 mm steps, while considering A/B/C minimum length. L0 is the total probe length. L1...L7 shown as LN in the dimension section, are lengths from the end of thread to the respective contact.

† Different contact types can be ordered. For example: 'NC/NO/CO/NC' (first code for the top contact). "CO" stands for changeover contact.

DIMENSIONS (mm)



ORDER CODES

Model LSF50- [ ] [ ] [ ] [ ] [ ]

Number of Floats
Specify No. of Floats

Housing Type
Aluminum Head — A
ABS Box (80 x 80 x 60 mm) — P

Float Type
S1 (Φ28 x 28 mm) — S1
S2 (Φ41 x 38 mm) — S2
S3 (Φ45 x 55 mm) — S3
S4 (Φ52 x 52 mm) — S4
S5 (Φ73 x 73 mm) — S5
S6 (Φ75 x 108 mm) — S6

Vertical Adjustment
Required — A
Not Required — X

Process Connection
1 — 1" NPT (S1 float)
2 — 1" G (S1 float)
3 — 1½" NPT (S2 float)
4 — 1½" G (S2 float)
5 — 2" NPT (S3 & S4 floats)
6 — 2" G (S3 & S4 floats)
7 — 3" NPT (S5 & S6 floats)
8 — 3" G (S5 & S6 floats)
F — Flange (specify)
X — Other (specify)

- Please specify lengths of L0, L1, L2, L3, L4, L5, L6 & L7.
- Please specify the contact type for each level.
- Please specify the specific gravity of the liquid.

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