



SERIES: LSF20

- UP TO 4 SWITCHING POINTS
- 130°C MAXIMUM FLUID TEMPERATURE
- BUILT-IN THERMOSTAT (OPTION)

INTRODUCTION

Indumart *LSF20 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 four floats and switches to control and notify the operator of the various levels of liquid in the tank. In addition to level control, the *LSF20 Series* may be specified with temperature switch option to control the process temperature.

Operation of the *LSF20 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)		Plastic (P1)		Plastic (P2)		Plastic (P3)	
Min. Specific Gravity	0.7		0.8		0.7		0.7		0.8	
Probe Length (mm) (†)	100...2000		100...1000		100...2000		100...1000		100...1000	
Ext. Tube Diameter (mm)	10		8		10		8		8	
Minimum Distance A/B (mm)	34/40		25/30		34/47		23/37		23/37	
Min. Process Connection	1½"		1"		1"		1"		½"	
Process Temperature (°C)	-20...130		-20...130		-20...80		-20...80		-20...100	
Ambient Temperature (°C)	-20...75		-20...75		-20...75		-20...75		-20...75	
Max. Process Pressure (psi)	450		150		60		60		Open Tank	
Protection	IP65		IP65		IP65		IP65		IP65	
Contact Type (†, ‡)	O, C	G	O, C	G	O, C	G	O, C	G	O, C	G
Max. Common Lead Contacts	4	2	3	-	4	2	3	-	3	-
Max. Separated Contacts	2	1	2	1	2	1	2	1	2	1
Max. Level Terminals (LT)	5	5	4	3	5	5	4	3	4	3
Level Contact Rating	230 VAC, 0.5 A									
Thermostat Contact Rating	250 VAC, 1.6 A									
Thermostat Actuation Point	40...130°C (step 5°C); Tolerance ±5°C									

† Specify the exact length in 50 mm steps, while considering A/B minimum length. L0 is the total probe length. L1...L4, 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 you may order '1A1B' (first code for the top contact).

‡ Maximum two level contacts with common lead can be ordered with the thermostat option.

