

M-LS00-EN-V1.0

Float Level Switches Manual

LS00 Type

English



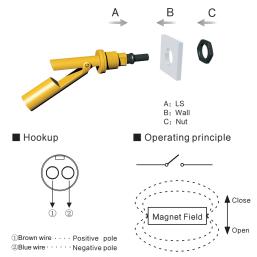


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Features

LS series is featured for concise structure, delicate design, durable operations, and perfect function. They are extensively installed in the fuel tanks, oil-pressure equipments, chemical and cooling vessels, and etc. Furthermore, they are mostly used to sense substance such as water, oil, and chemicals. There are three different materials of LS series available now for varied needs from customers.

Mounting

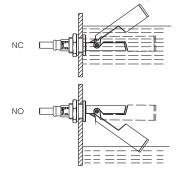


Connection

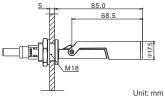
LS series is outputted by magnet reed, and the user can choose the status of NC or NO by the way of mounting. It can connect to the control system such as PLC, Relay, and etc.

Precision : ± 3mm under water

Repetition: ± 1mm under water



Dimension



Technical Data

Order number	LS0001	LS0003	
Туре	Standard	Strong acid / alkali	
Sensing medium	Liquid		
Electrical design	DC / AC		
Output	NO / NC		
Operating voltage	Max. 240V AC/200V DC		
Current rating	0.5A (240V AC/DC)		
Connection	M18		
Switch capacity	70W		
Sensing degree	± 30°		
Storage humidity	2070%		
Operating humidity	2070%		
Operating temperature	-20+80°C/-4+176°F	-20+100°C/-4+212°F	
Ambient temperature	-20+80°C/-4+176°F	-20+100°C/-4+212°F	
Ambient pressure	10 bar		
Contact resistance	80 Ω		
Housing material	PBT	PP	
Cable entrance	2M PVC Cable	2M PUR Cable	
Protection rating	IP67		
Certification	CE、RoHS		

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M-LS10-EN-V1.0

Float Level Switches Manual

LS10 Type

English



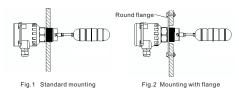


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Features

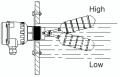
Steel type of LS1000 series is featured for delicate design, durable operation, and long lifetime. They are extensively installed in the fuel tank, oil-pressure equipments, chemical and cooling vessels, and etc. When the level goes up to high position or down to the low position, the controller operates the switch and output warning signal to control the switching of a pump or of a valve.

Mounting



Connection

The type of output, NO or NC, is defined by the way of mounting. The contact of this product can connect to the other control units.



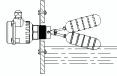
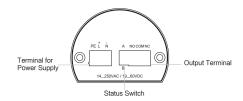


Fig.3 NO

Fig.4 NC

Terminal mounting

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Sign	Description	
PE	Connect the ground wire to the housing	
L+	Power input: DC 19 ~ 60V, AC 14 ~ 250V.	
N-	Power "+" while inputting the DC	
COM	Common Terminal	
A/B	Choose type of indictor operation between continuous bright or continuous dim via slide switch	

Installation of the indicator downward (NO)↓	Low Level	NO / COM Disconnected	NC / COM Connected
	High Level	NO / COM Connected	NC / COM Disconnected
Installation of the indicator upward (NC) ↑	Low Level	NO / COM Connected	NC / COM Disconnected
	High Level	NO / COM Disconnected	NC / COM Connected

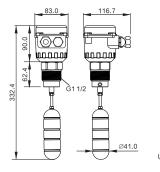
Technical Data

	LS1001	LS1002	
Contact material	SS304	SS316	
Operating voltage	19V ~ 60VDC , 14V ~ 250VAC		
Output	NO / NC		
Switch rating	6 (2) A/250VAC		
Current rating	3 (1) A/250VAC		
Power consumption	0.025W		
Short circuit	No		
Overload	No		
Sensing degree	± 15°		
Action delay	50ms		
Sensing medium	Liquid		
Medium density	≥0.5g/cm³		
Mounting	Flange DN40 /	ge DN40 / Thread G1 1/2"	
Operating pressure	50kg/cm ²		
Operating temperature	-20200°C/-4392°F		
Storage humidity	2070 (%)		
Operating humidity	2070 (%)		
Protection rating	IP67		
Certification	CE RoHS		

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Dimension

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Unit: mm