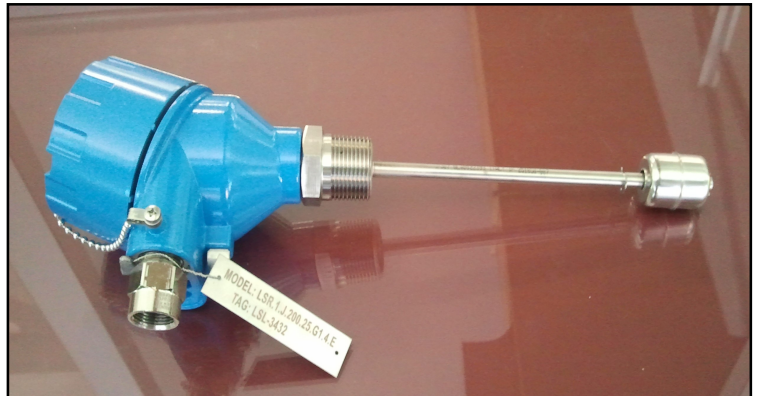


LSR SERIES FLOAT LEVEL SWITCH

The Officine Orobiche electromagnetic level switches have been created in order to control the liquid level inside any sort of tank. Suitable for every fluid with density $> 0,8 \text{ kg/m}^3$, they can allow the customer to check up until six level points located along a single guide rod.

Thanks to the continuous research of new solutions, Officine Orobiche offers a product with an excellent quality / price ratio.



PRINCIPLE OF OPERATIONS

Level control ON-OFF are electromechanical instruments, consisting by a guide rod where floats slide, a process connection fixed or sliding end/or threaded sliding or in conclusion flanged plus an electrical output. Floats magnetically actuate contacts placed inside the sliding rod.

Contacts position are fixed in proceeding order phase and cannot be changed secondly.

Contacts normally are wired in accordance with a specific internal standard procedure.

The electrical connection, accordingly with instruments typology, could take place with sealed cable directly, or through waterproof case terminal block IP65 type.

GENERAL FEATURES

Top mounting

Single and multiple unit (up to six intervention points at most)

Material guide rod SS 316L (other versions available upon request)

Threaded process connection GAS-M, NPT-M, flanged UNI, DIN, ANSI

Floats made of in SS 316L, NBR (other version and / or materials on request)

Reed contacts SPST or SPDT

Wiring contact: common; separate, customized

Ambient temperature $-40 \text{ }^\circ\text{C}$ $+60 \text{ }^\circ\text{C}$

Maximum operating rate: da $60 \text{ }^\circ\text{C}$ a $120 \text{ }^\circ\text{C}$ (other versions available upon request)

Maximum operating pressures: from 3 to 70 bar (other versions available upon request)

Electrical connection through terminal of aluminum housing IP65 o Explosion proof Ex d IIC T6

Stainless Steel 316 housing in option

ADVANTAGES

- Easy to install due to the wide variety of process connections
- Suitable for harsh operating conditions and for hazardous areas mounting
- Less maintenance

HOW TO ORDER

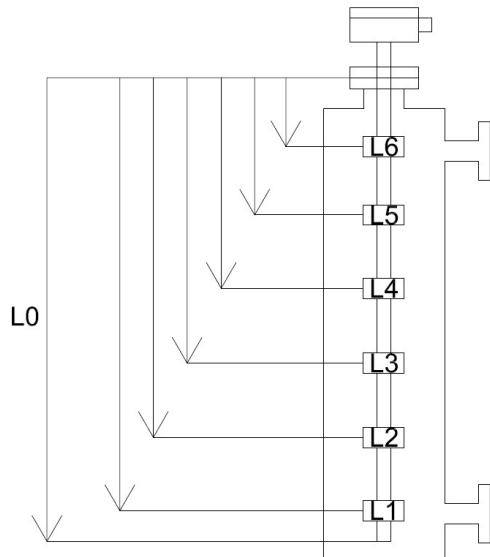
Summing the following items in order to locate the desired instrument:

ie.: **LSR3/JL/L1500/25/G2/2/S/1**

LSR3	JL	L1500	25	G2	2	S	1
1	2	3	4	5	6	7	8

1 SINGLE OR MULTIPLE UNIT

LSR1	One point of intervention
LSR2	Two points of intervention
LSR3	Three points of intervention
LSR4	Four points of intervention
LSR5	Five points of intervention
LSR6	Six points of intervention



2 ROD GUIDE MATERIAL

JL SS 316L

3 ROD GUIDE TOTAL LENGTH

L... Maximum length 6000

4 PROCESS CONNECTION

20	3/4"GAS-M
25	1"GAS-M
26	1"NPT-M
30	1-1/4"GAS-M
40	1-1/2"GAS-M
50	2"GAS-M
51	2"NPT-M
FS	Flange SS UNI-DIN-ANSI

5 FLOAT TYPE

G1	SS 316L 28x28 mm (max 2 points of intervention SPST; max 1point of intervention SPDT)
G2	SS 316L 40x35 mm
G3	SS 316L 52x52 mm
G8	NBR 40x40 mm
Gx	On request

6 CONTACT TYPE REED

1	SPST 230V-1A-100W (All V or A combinations should not exceed this value)
2	SPDT 175V-0,5A-10W (All V or A combinations should not exceed this value)

7 ENCLOSURE TYPE

S	Waterproof housing aluminum painted IP65
E	Aluminum Explosion proof Ex d IIC

8 ELECTRICAL OUTPUT

1	ISO M20 x 1,5
11	2 x ISO M20 x 1,5
2	1/2" NPT-F
22	2 x 1/2" NPT-F

CERTIFICATIONS

Atex: II 2G Ex d IIC T6 Gb
II 2D Ex tb IIIC T 85 °C

Db IP66

IECEX: Ex db IIC T6 Gb
Ex tb IIIC T 85 °C Db

EAC CU-TR-012 Exd