



SMART ENGINEERING SOLUTION

GENERAL CATALOG

Model: LS-S-24 Series

Magnetic Float Type

Level Switch

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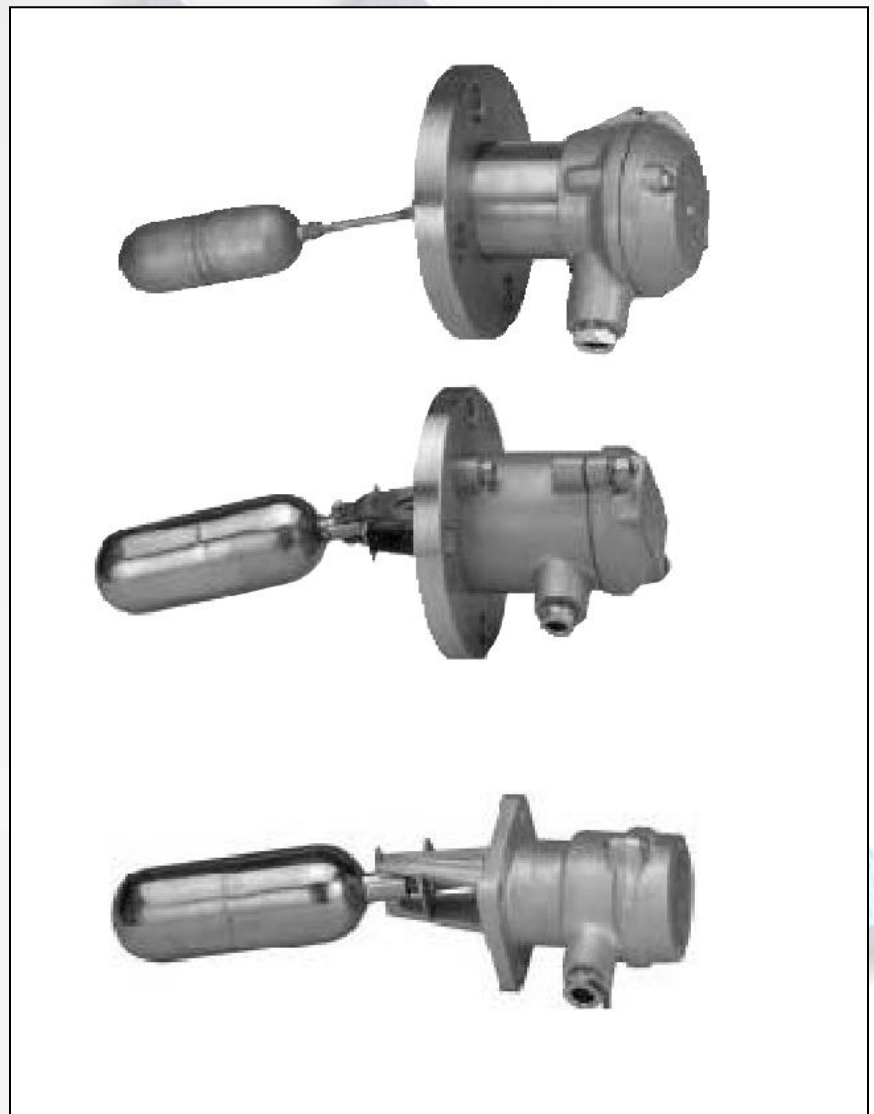
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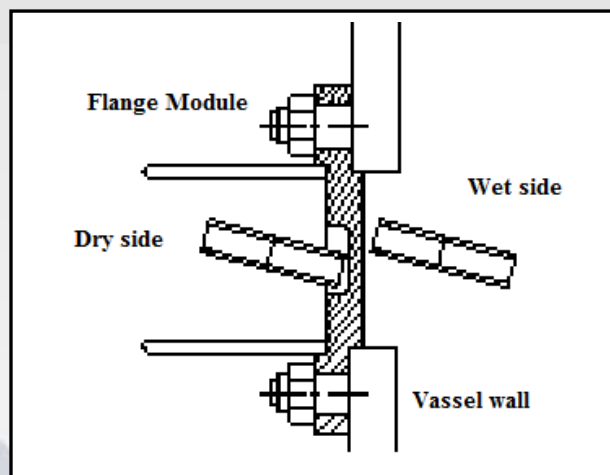


Introduction

Designed for horizontal mounting in a tank or vessel through flanged pipe connections. Standard models are equipped with a single switch mechanism for high or low alarm or control applications.

Operating principle

In this design, a float magnet and switch magnet are arranged to repel each other. As the process level rises, the float rises, the float magnet pivots down and the switch magnet is repelled up, thereby changing the state of the electric switch.



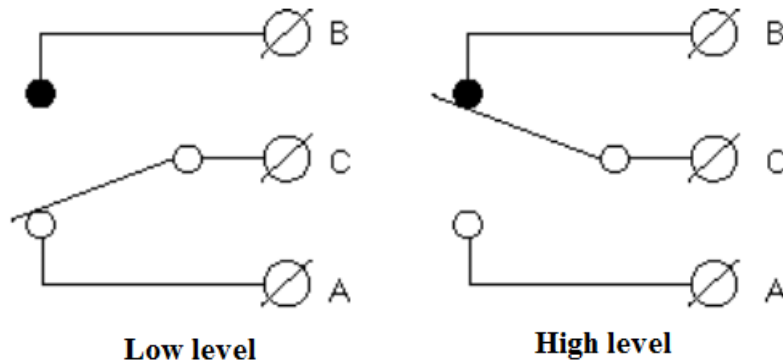
Specification

Model		LS-S-24S	LS-S-24 H(E)	LS-S-24 D	LS-S-24
Mounting Method		Flange			
Mounting Size		JIS 40A 10K RF	JIS 2-1/2" 10K RF	Square flange 92 x 92	JIS 2" 10K RF
Working Pressure		STD. : 10 kgf/cm ² Option : 30 kgf/cm ²			
Process Temp.		120 °C	STD. : 120 °C Option : 250 °C	120 °C	Max. 100 °C
Enclosure		Weather Proof (Option for HM-12H : Ex-Proof Exd IIc T4)			
Conduit Conn.		1/2 "PF			
Material	Head & Base	AL.C		Bs	AL.C
	Flange	SUS 304		Bs	SUS 304
	Float	SUS 304 / SUS 316			

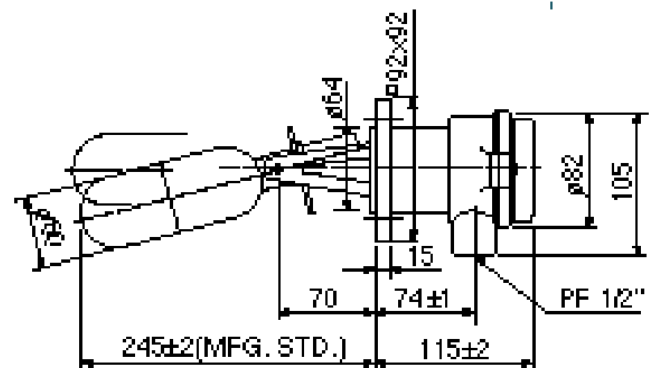
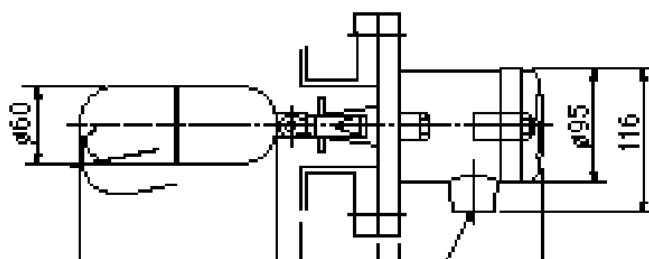
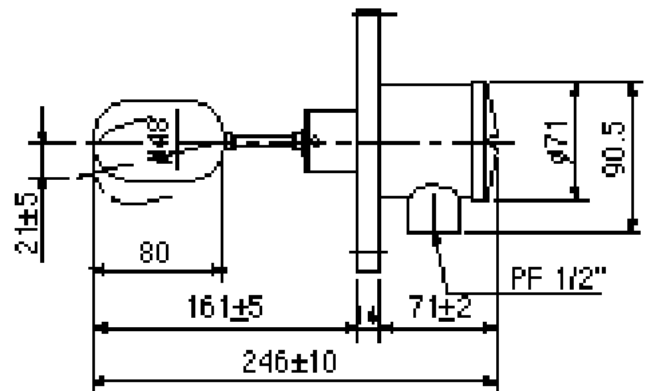
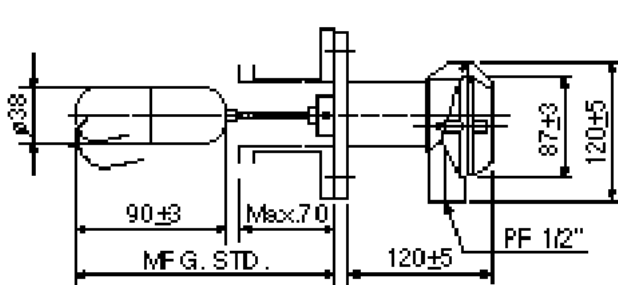
Application

1. Fuel oil tank control
2. Process control for petrochemical plants
3. Water treatment plants
4. Sealing liquid level control for generators
5. Other liquid level controls only

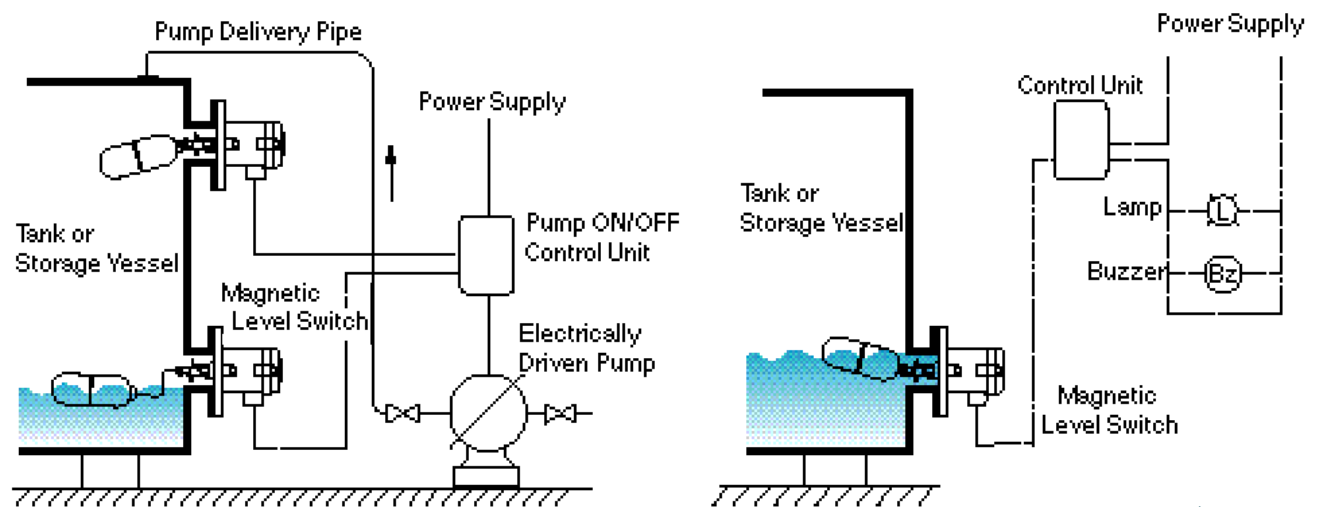
Connection Diagram



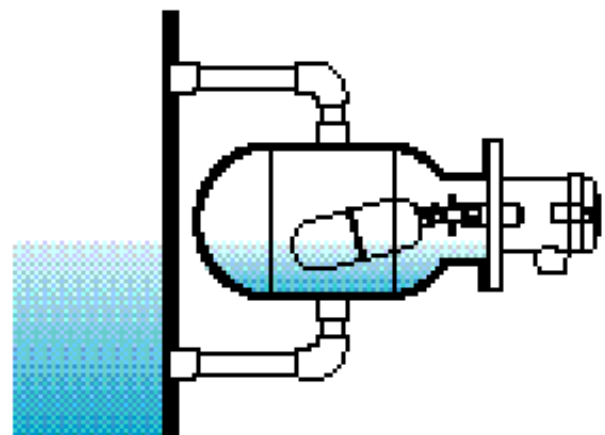
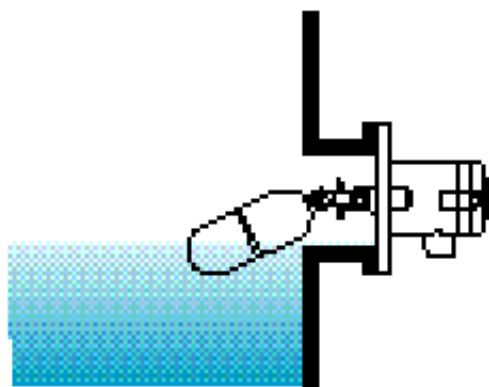
Block Diagram



Block diagram



Installation Method



Ordering Code

Model

2S : Model LS-S-24S

12H : Model LS-S-24H

Wet Part Material

S1 : SUS 304

S2 : SUS 316

0 : Weather-Proof (IP54) 0 : Weather-Proof (IP65)

E : Ex-Proof (Ex d IIC T4 IP65)

Pressure Temperature 0 : 10 kg/cm 120°C

S : Special Version

Mounting Size & Material

1 : Flange Size JIS 40A 10K RF & SUS 304 1: Flange Size JIS 65A 10K RF & SUS 304

2: Flange Size JIS 50A 10K RF & SUS 304 2: Flange Size JIS 80A 10K RF & SUS 304

3: Flange Size 2" ANSI 150# RF & SUS 304 3: Flange Size 3"

S: Special Version ANSI 150# RF & SUS 304

Head Material A : AL.

C. S : Special Version

Nozzle Length 1 : 70 mm

S : Other

Output Signal A: 1-SPDT

B: 1-DPDT

Conduit Conn. 1 : PF 1/2"

2 : PF 3/4"

S : Special Version

LS- S-24 S1 0E S 11 A 1 A 1

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