Rotary Paddle Level Switch

Introduction

Rotary Paddle Level Switch utilizes micro motor as drive device, transmission shaft contacts with clutch. When it doesn't touch with material, the motor runs normally; When the paddle touch with material, the motor stops running; relay outputs OFF signal and cuts the power, meanwhile it stops rotary. The resistance on the paddle is disappeared when the material gradually fall down and the testing device recover to the original state by torsion spring. Torsion could be regulated according to different gravity of material.

Features

1) Highly integrated mechanical sealing which prevent infiltration of powder along the shaft, special paddle can be applied for materials of low density
2) Specific elastic clutch structure. When the paddle is overloaded, it will automatically protect the motor. Completely separate mechanic and electrical structure, no need dismantling and convenient for maintenance.

Application

Rotary paddle level switch is specially used for detecting material level inside silos, vessels and tanks. It can prevent silo flooding, tank blocking and silo empty so as to reduce flooding, material wasting and standby time. Rotary paddle level switch is also suitable for plastic powder, cement, food, mineral iron and other solids.

Working voltage: 220V/1A; DC24V/0.5A
Contact capacity: SPDT 5A/250VAC
Temp. rating: -20~80°C
Power: 3W
Processing connection: G1"thread; customized
Protection grade: IP65
Vane rotating speed: 1RPM
Torque: 10kg.cm
Voltage resistance: 1500VAC×1min
Suitable gravity: ≥0.4g/cm³
Electrical Interface: 1/2" PF
Installation: vertical or horizontal installation

How to order:

LS-RP □□-□-□-□□-□□-□-□□□□

Model:
01: Standard type
02: Shaft protection type
03: Rope type
04: Adjustable rope type
05: Mini type

Voltage:
A: 24VAC B: 24VDC
C: 110VAC D: 220VAC

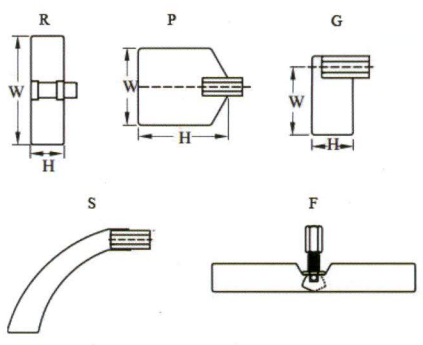
Temperature:
H:High temperature

Connection:

Size:	
E: 1"	H: 2 1/2"
F: 1 1/2"	I: 3"
G: 2"	S:special customized

Pressure:	
J: 5kg/cm²	N: BSP/G
K: 10 kg/cm²	O: NPT
L: 150Lbs	P: PN10
M: 300Lbs	Q: PN16
S: special customized	

Shape of paddle:
R:100*30(W*H)
P: 65*80(W*H)
65*120(W*H)
80*80(W*H)
G: 50*30 (W*H)
S: Sickle
F: Foldable



Shaft length (unit: mm)
From the flange/thread bottom to the paddle