

Multiport Level Top Mounted Level Switches

Features

- Float level switch with application upto 100 bar and 350 deg cent application
- Heavy walled floats for critical application
- Insertion length defined for 4500mm
- Switching differential upto 10mm
- Durability defined on sealing and pressure and temperature application
- Improved reliability with dual opposed magnet design which provides snap action
- Applicable with various versions of MOC's depending on pressure and temperature, versions with SS, hastelloy, monel, PTFE, PP, Titanium available
- Versions with flange, screwed, welded available
- Applicable for H2S, NACE, certified
- Switch is CCOE approved and certified for IP67, IP65
- Switch certified for group IIA/IIB, IIC
- Switch enclosure at die cast aluminium and SS available
- Application with PTFE lined at special 1.6 mm thickness and PTFE floats for critical media available
- Versions with ATEX and FM certified available



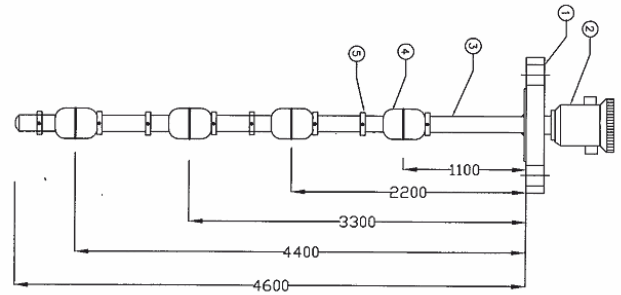
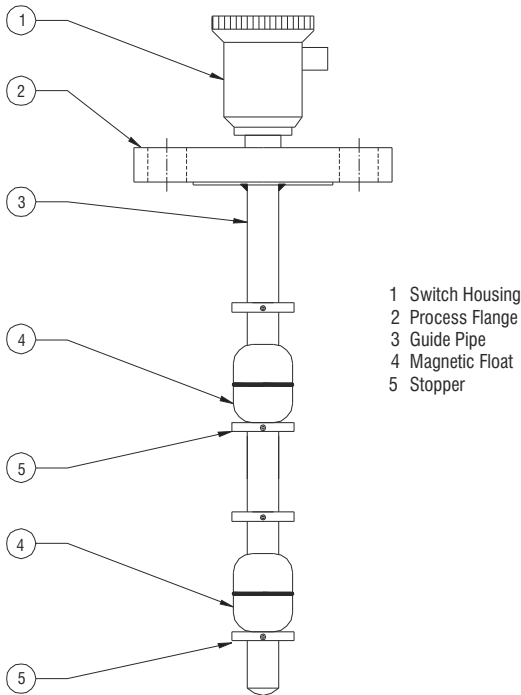
Concept and Principle of Operation

This is top mounted type level switch provided single or multiple set points. It uses float that glides on the surface of liquids. This level switch consists of Terminal Enclosure, Float Stem with Reed Switches and Float with magnets assembled inside. This type of level switch can be used for single or multiple level controls. When level rises float travels with the liquid on the float stem and when it comes in contact with the reed switches located at a predetermined length of the stem, due to magnetic force reed switch changes its contact. This type of level switch is used for lengths upto 4500 mm. It is recommended to use perforated still well for lengths more than 2500 mm.

Technical Specifications: Table-2 Technical Data

Type	Multiport Level Top Mounted Level Switch
Mounting	Top Mounted
Switch Housing	Die Cast Aluminium Weatherproof to IP-67 Die Cast Aluminium Explosionproof suitable for Gr. IIA, IIB Die Cast Aluminium Explosionproof suitable for Gr. IIC
Switch Type	Reed Switch- 0.5A, 230VAC
Cable Entry	1 no / 2 nos. of 3/4"ET(F), 1/2"NPT(F), M20x1.5(F)
Process Connection	Flanged in various sizes
Flange MOC	CS, SS304, SS316, SS316L, PP. Others on request
Float MOC	SS304, SS304L, SS316, SS316L, PP. Others on request
Stem MOC	SS304, SS304L, SS316, SS316L. Others on request
Stopper	Metal Stopper of relevant material compatible to media
Specific gravity	Please specify
Pressure	Up to 100kg/cm ² g
Temperature	(-100) to 350°C
Switch certification	CCOE, FM, ATEX, CE (Versions applicability on request)
Switch Insertion Length	Upto 4500mm

Multiport Level Top Mounted Level Switches



A specified application for multilevel set point in chemical industry with PTFE lined floats and float stem with 3" flange at 300# rating with pressure at 40 bar and at 140 deg cent

Four set point level switch applicable for:

- Paper industry
- Chemical industry
- Petrochemicals
- Refineries
- Fertilizers
- Food industry
- Pharma industry

Float Operated Level Switch

Ordering Information

LS4000 F05-ZA-YK-QU-PU-MQ

Process Connection	
Flanged Connection	
F05	2", 150# RF
F06	2.5", 150# RF
F07	3", 150# RF
F08	4", 150# RF
F13	2", 300# RF
F14	2.5", 300# RF
F15	3", 300# RF
F16	4", 300# RF

MOC of Connection			
ZA	CS (A105)	ZE	SS 316
ZC	SS 304	ZF	SS 316L
ZD	SS 304L	ZI	PP

MOC of Float	
YK	SS 304
YL	SS 304L
YM	SS 316
YN	SS 316L

Cable Entry	
MQ	One
MR	Two

Enclosure	
PU	Die Cast Aluminium Weatherproof to IP - 67
PV	Die Cast Aluminium Flameproof suitable to Gr. IIA / IIB
PW	Die Cast Aluminium Flameproof suitable to Gr. IIC

MOC of Float Stem	
YK	SS304
YL	SS304L
YM	SS316
YN	SS316L