

The Need For Every
Process Industry

SPINK CONTROLS

®

An ISO 9001:2015 Certified Company



TOP MOUNTED LEVEL SWITCH



MODEL: SC / L - 401

LEVEL

TOP MOUNTED LEVEL SWITCHES

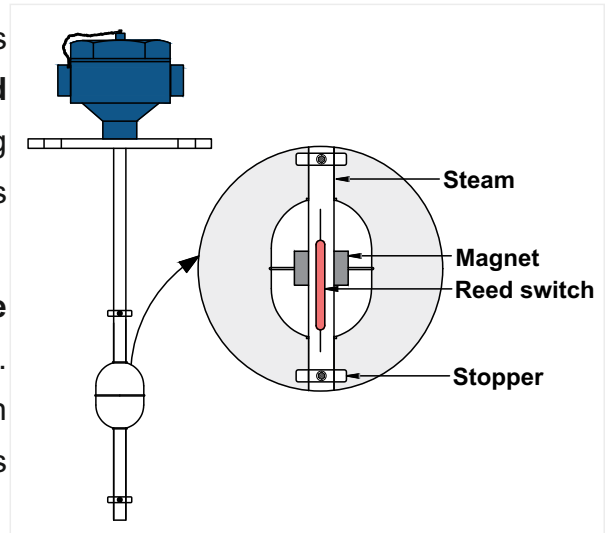
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SPINK CONTROLS Manufactures **Magnetic Float Operated Top Mounted Level Switches**, designed for monitoring and controlling one or multiple liquid levels using reed switch technology.

The unit consists of a **vertical guide pipe (stem)** with **reed switches** mounted inside. A **magnetic float** slides along the stem in response to the liquid level in the tank. As the float passes a reed switch, the magnetic field actuates it, changing the output state. The reed relays retain their condition once operated.

Different **materials of construction** are available to suit varying service conditions. Each level switch can accommodate up to **4 set points**, with a maximum stem length of **3 meters**.



KEY FEATURES

- Only one moving component (float), ensuring minimal wear and long service life
- Operates on the principle of magnetic flux coupling, eliminating mechanical linkages and preventing fluid contamination of switch components.
- Suitable for liquids with specific gravity above 0.7.
- Can function in any position from vertical to an inclined angle of up to 30°
- Minimum distance between two level set points: 75 mm.

ENGINEERING SPECIFICATION

SWITCH RATING	: HERMETICALLY SEALED MAGNETICALLY OPERATED REED SWITCH WITH RHODIUM CONTACT SPST / SPDT.0.5 AMP @ 240 V AC
SWICTH HOUSING	: WEATHER PROOF IP 65 OR FLAME PROOF Gr. A, II B
PRESSURE RATING	: 10 kg/cm2-g
TEMPERATURE RATING	: 100°C
CABLE ENTRY	: ½" NPT (F) OR ¾" ET (F)
STEAM LENGTH	: UPTO 3 mtrs. OTHER ON REQUEST
ELECTRICAL ENCLOSURE	: FLAMEPROOF WEATHERPROOF DIE-CAST ALUMINIUM : Ex db IIA IIB T6 Gb IP 67 & IP 68

MODEL SELECTION

Suffix Code	1	2	3	4	5	6	7	8	9	10	11	Parameters
MODEL	SC/L-401											Model
Float		S6										SS316
		PP										Poly Propylene
Process Connection			T-XX									Threaded (40-80 NB)
			F-XX									Flanged(40-100 NB)
Switch Housing				H1								Weather Proof IP 65
				H2								Flame Proof Gr.II A II B
Cable Entry					C1							½" NPT
					C2							¾" ET
Process connection MOC						M5						Carbon Steel
						M1						SS304
						M2						SS316
Guide Pipe(Stem)							GP1					SS 304
							GP2					SS316
							GP3					Poly Propylene
No. Of Switch								SWX				As per customer requirement
No. of Set Points									SPX			2 to 4 Nos.
No. of Floats										FX		1 to 5 Nos.
Length											XX	Upto 3 mtrs



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