



LEVEL SWITCH (REED TYPE)

SIGMA Float operated Reed Level Switch are ideally designed for liquid level indication in tanks. The design is simple and compact. Typical applications are water, diesel, chemical storage and hydraulic tanks. The level switch consists of a sealed tube inside which Reed Switches are placed at points where switching operations are required. The magnetic float raises / falls with the liquid level and operates / re-operates the Reed Switch (make or break on rise / fall of liquid level specified). The REED Type Level Switch is available in Top Mounted and Side Mounted Version.

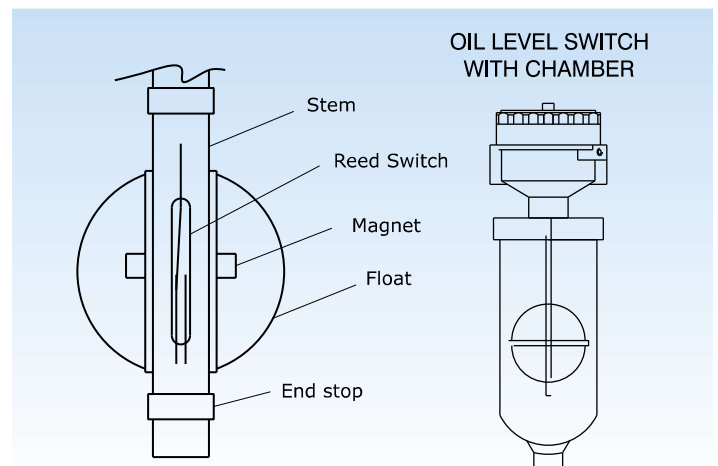
Sigma Advant-edge

- ✓ Cost effective level detection
- ✓ Terminal enclosure - weather proof
- ✓ Collars prevent false switch re-operation due to over travel of float
- ✓ SPST or SPDT REED Switches
- ✓ Immune to electrical disturbance
- ✓ Unaffected by liquid characteristics
- ✓ Flanged / Screwed vessel connection.
- ✓ Choice of material mix.
- ✓ Multiple Level (Single / Double / Triple...)
- ✓ Plug & Socket type of cable connection where desired

Specifications

Float / Stem	: SS 304 / SS 316, PP, PVC / specified material
Terminal Enclosure	: Weather Proof / Flame Proof
Terminal Enclosure Material	: Cast Aluminum / Plastic
Contact	: Hermetically sealed REED, SPST or SPDT
Contact Rating	: 20 VA / 60 VA
Contact Voltage Max	: 250 V AC or 120 V DC
Maximum Pressure	: 5 kg/cm ² for PP / PVC, 15 kg/cm ² for SS, consult Sigma for higher pressure.
Maximum Temperature	: PP / PVC: 55°C , SS: 100°C
Float Size	: Application based

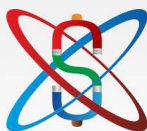
Note: For safety measure / contact protection, we recommend use of fuses in series and Relays / Contactors for start / stop function of motors / buzzer / any drive function



Available



IBR Approved
 Level Switch (REED Type)



Model Number Coding for Top Mounted Level Switch (REED Type)

LSR	Type	Operating Pressure	Type of Connection	Material of Flange	Float Material	Enclosure Class	Switch	Optional Features
T - Top Mounted Level Switch (REED Type)	A- Single Level	1-Up to 3 kg/cm ²	F - Flanged	2 - IS 2062	4 - SS304	W-Weather Proof	1-SPST	N-None
S - Side Mounted Level Switch (REED Type)	B - Two Level	2 - up to 10 kg/cm ²	S - Screwed	4 - SS304	6 - SS316	F-Flame Proof	2-SPDT	P - Plug & Socket
	AB - Three Level	3 - up to 15 kg/cm ²		5 - A 105	4L-SS304L			C- with Chamber
	BB - Four Level	4- Custom		6 - SS316	6L-SS316L			
				4L-SS304L	P-PP			
				6L-SS316L	V-PVC			
				P-PP	T-Teflon			
				V-PVC	N-Nylon			
				T-Teflon	Others			
				Others Specify	Specify			

Only Single Level is available in Side Mounted Level Switch (REED Type)

Model Decoding example: LSRT - B - 1 - F - 2 - 4 - W- 1 - N

Top Mounted Level Switch Reed Type, with

- Two Level
- Operating Pressure up to 3 kg/cm²
- Flange connection
- IS 2062 Flange
- SS 304 Float
- Weather Proof enclosure
- SPDT Switch
- No Special feature

Note

All the Level Switch (REED Type) mentioned in this catalogue are our standard design. If the standard items do not meet your requirements, we can modify them to meet your specifications and would appreciate the opportunity of making suggestions to cover your application, based on engineering principles. SIGMA reserves the right to modify specification / design from time to time, which is deemed suitable for the product without prior intimation.

Note:

- Model Coding is categorized as per the specification of the product, for ease of selection and ordering.
- In case of choosing multiple specification under a specific category, mention the 2nd / 3rd code with a bracket, after the 1st code.
- For ordering IBR approved product, mention "IBR" immediately after the Product code.
- In case of doubt, contact SIGMA for assistance in arriving at the model code / for specification.
- The product conforms to 2006/95/EC: Low Voltage Directive (LVD) per Harmonized standard EN 61010-1/1993 & Amendment No.1