LS Series Multi Level Float Switches &Transmitters

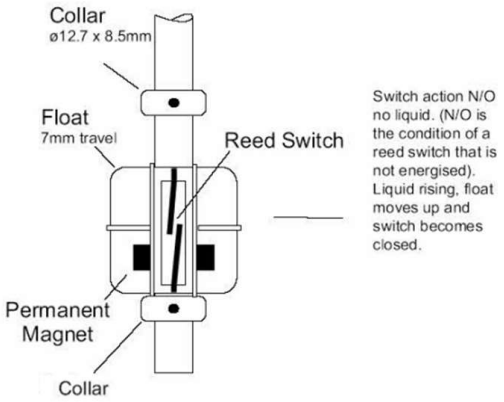
Single or multiple reed switches are housed in a 316 stainless steel stem. In the case of level transmitters, the reed switches are close mounted on small PCBs.

A permanent magnet which will activate the reed switches is mounted inside each 316 SS float. The float or floats are mounted on the stem and retained in the required position by 316SS collars with grub screw.

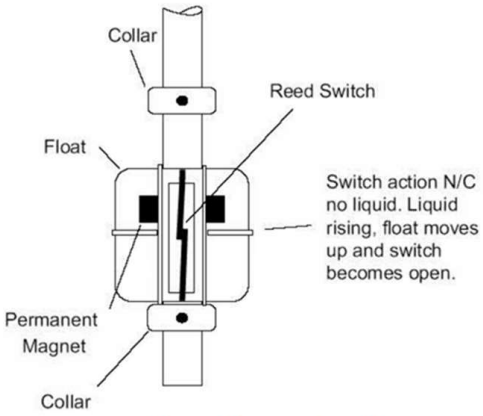
The rise and fall of liquid moves the float and this actuates the reed switch as it passes, changing the state of the circuit

ie. Either opening or closing the switch.

S1 Reed Switch Action

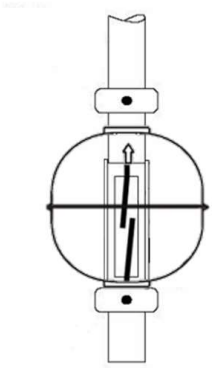


Normally Open N/O

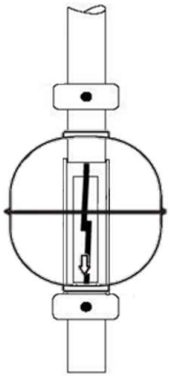


Normally Closed N/C

S4 Reed Switch Action



Normally Open N/O



Normally Closed N/C

Important!

When specifying switch action, please state action of switch when tank is empty at atmospheric pressure

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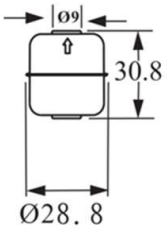
SPECIFYING A FLOAT SWITCH OR TRANSMITTER

ECEFast manufactures a standard range of switches and transmitters which have excellent prices and short delivery. To order one of these, download the appropriate drawing from our website and mark it up as required.

- When specifying switch action please nominate state of switch when tank is empty
- LS series reed switches are not designed to switch inductive or capacitive , or high current loads. In these cases an intermediate protective device of appropriate capacity should be installed
- These switches are designed to operate at Extra Low Voltage (ELV) and they are not warranted for use at mains voltage.
- For intrinsically safe float switch applications we have PR Electronics isolation barrier PR-9292B2A with relay output with IECEx certificate
- For intrinsically safe float level applications we have PR Electronics transmitter PR-5333D with 4-20mA output and IECEx certificate

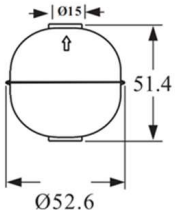
Float Specifications

S1



S.G.	E > 0.8
Material	316 SS
Max. Temp °C	130
Part Number	LS-FLOAT-S1
Min	1 bar, -10°C
Max	10 bar, 130°C

S4



S.G.	E > 0.55
Material	316 SS
Max. Temp °C	130
Part Number	LS-FLOAT-S4
Min	1 bar, -10°C
Max	30 bar, 130°C

LS Series – Common Specifications

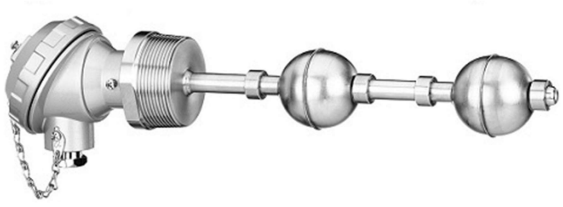
- All wetted parts 316 Stainless Steel
- Flange or nipple process connections, welded on wet side
- Aluminum, Bakelite and 316 SS terminal heads available
- Maximum Operating temperature 130°C

Common Options

- Sliding compression fitting, Tri-Clamp and other process connections available
- Independent Wiring or Common Wiring
- Custom Termination

LS S1 Specification (Standard)

- Aluminum terminal head
- 1"Table E Flange or 1"BSP Thread connection
- Switching power: 30W AC/DC
- Designed to operate at Extra Low Voltage (ELV)



LS S4 Specification (Standard)

- Aluminum terminal head
- 2"Table E Flange or 2"BSP Thread connection
- Switching power: 50W AC/DC
- Designed to operate at Extra Low Voltage (ELV)