



## SMART ENGINEERING SOLUTION

### GENERAL CATALOG

**Model: LS-L-75 Series**

**Float Type**

**Level Switch**

All Right Reserved

Digital Smart Engineering Ltd.

P 202-449-2826

444 8<sup>th</sup> street Alexandria VA 22312, USA

Web: [www.dsmartengg.com](http://www.dsmartengg.com)



## Introduction

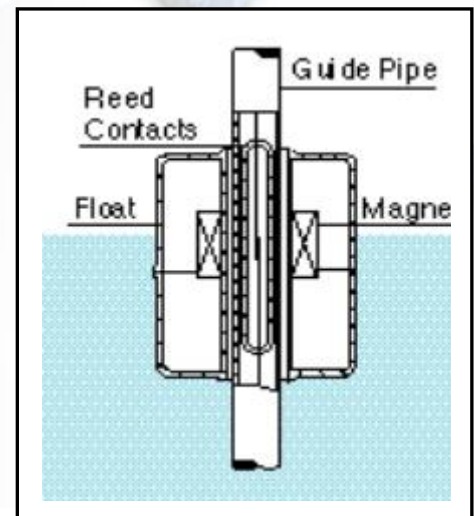
LS-L-75 Series can be applied to various kinds of vessels and also can be used in caustic chemical factory including all industrial fields with its high credibility and long life.

## Features

- Designed for top mounting operating for high or low alarm, cut off or pump control.
- Multi point detection is available up to sixth points on your option.
- Low cost and simple installation
- The reed switches are very reliable with long life
- More than ten million operations.
- The contacts of the reed switch are enclosed in a glass tube with inactive gas so preventing ignition from inflammable gases outside

## Operating principle

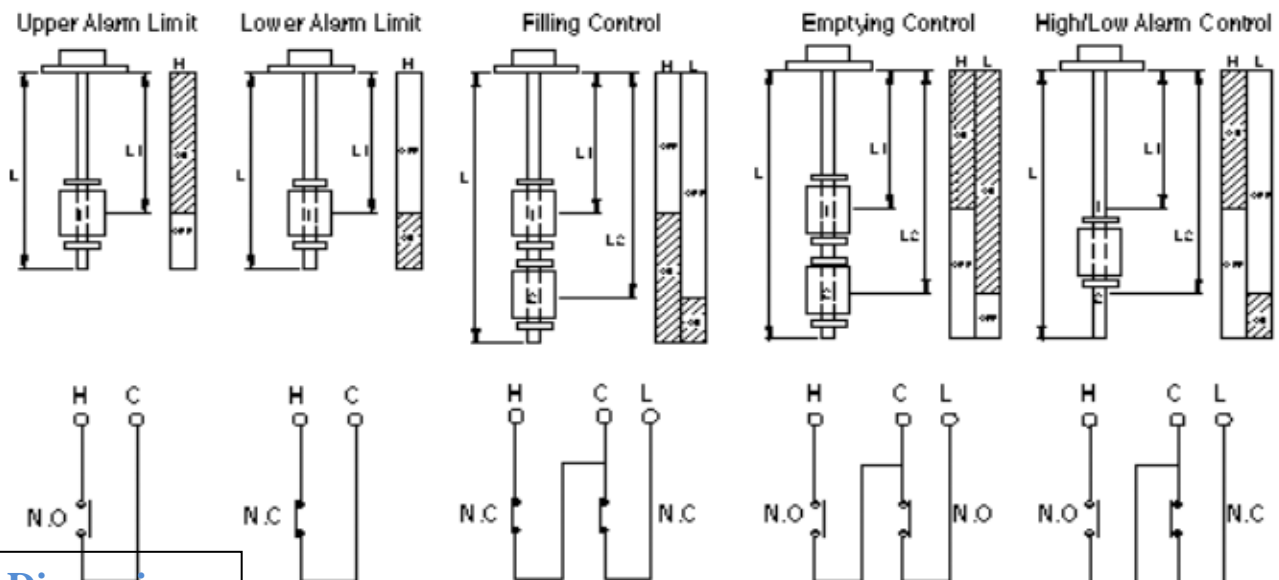
The level switches of this LS Series have a reed switch incorporated in a guide pipe which is to be inserted in a storage tank. The reed switch issues ON-OFF signals by the magnets contained in floats which move up or down over the guide pipe with change in the liquid level.



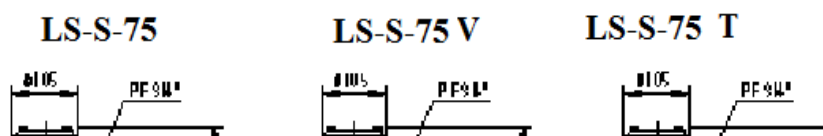
## Specification

Model	LS-L-75	LS-L-75 V	LS-L-75 T
Mounting Method	Flange		
Mounting Size	KS/JIS 80 A 10 K FF		
Head	P.C (Option : ADC 12)		
Operating Pressure	10 kg/cm <sup>2</sup>	ATM	2 kg/cm <sup>2</sup>
Enclosure	Weather proof (IP 54)		
	Option : Ex-proof (Exd IIC T4, IP 65)		
Ambient Temperature	-20 ~ +60 °C		
Temperature in the vessel	-15 ~ +80 °C	-10 ~ +60 °C	-15 ~ +80 °C
Contact Type	SPST / Option SPDT		
Contact Voltage	24 VDC 0.5 A or 110 V AC 1 A		
Conduit Conn.	PF 3/4"(F)		
Connection Material	SUS 304	SUS 304 + PVC	SUS 304 + Teflon

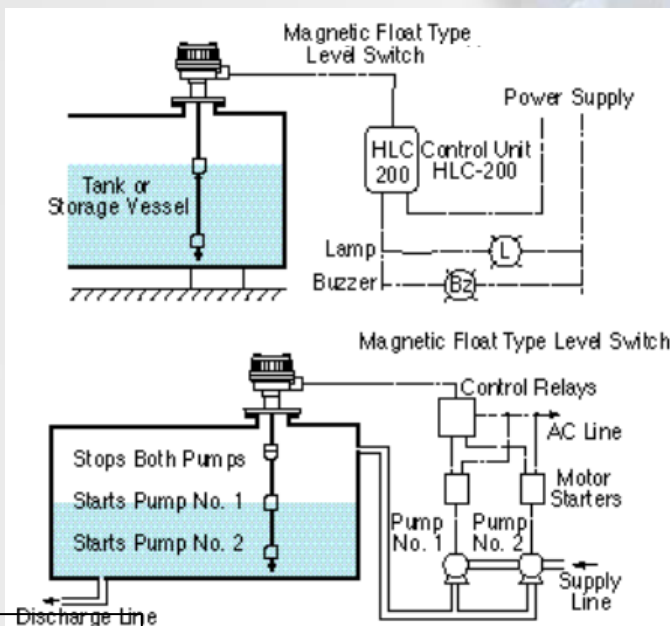
## Operating Sequences



## Dimensions



## Block diagram



## Ordering Code

Model 75: SUS

75V: PVC

75T: Teflon

Wet Part Material

S1: SUS 304

S2: SUS 316

Enclosure: G. Weather Proof