

## Level Switch

### LS-02

## Mounting, Operating, and Maintenance



### Description:

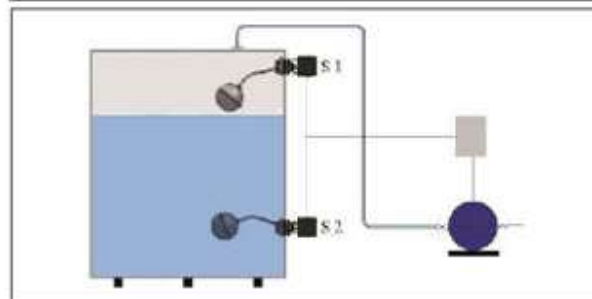
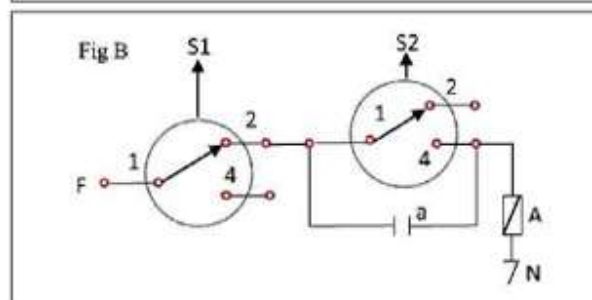
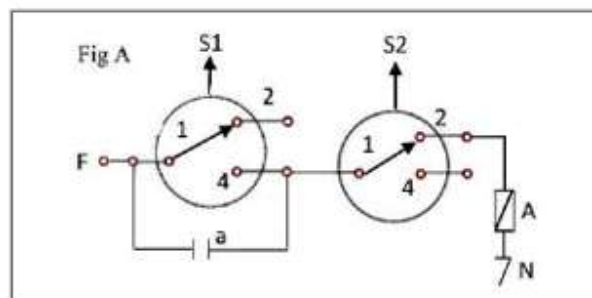
Level Switch type LS-02 is used for liquid level control applications in low-pressure hot water boilers, deaerators, water tanks, and fuel vessels. By using two miniature snap-action switches, it can control liquid levels within a range of 9 centimeters. Another level switch should be added to control liquid levels beyond this range.

### Technical Specification:

Max Working Pressure	6 bar
Max Working Temperature	100 °C
Connection Size / Type	1" / Threaded (BSP)
Float and Lever Material	S.S304
Body Material	Brass – MS 58
Junction box Material	Carbon steel – ST 37-2
Output Current/Voltage	3A / 125 – 250 VAC

### Mounting and Operating:

Installation of LS-02 level switch should be in a horizontal orientation through a 1" threaded coupling that is already installed on the vessel wall. The level switch is screwed in the coupling and secured in the right position with a nut that is provided on the connection point. Wiring diagrams show how this level switch can be used to fill (fig. A) or drain (figure B) a tank.



### Maintenance:

The float and lever may become damaged as a result of excessively high pressure or turbulence of fluid, in which case they need to be replaced: remove the pins to take out the damaged part; then install the replacement. Fluctuations of voltage, as well as exposure to dust or moisture (especially in open areas) may damage the micro switches. Replacement procedure is as follows: lift the box cap; remove all bolts on the damaged micro switch, and replace it.

### Spare Parts

No.	Part Name
1	Ball float
2	Float lever
3	Miniature snap-action switch