

Mini Float type Level Switches



INTRODUCTION

NK Instruments Pvt. Ltd. Mini Float Type Level Switches are top mounted as well as side mounted. Top Mounted mini level switches are installed vertically and can be extended through an extension pipe for low level switching or alternatively switch can be side mounted through an elbow. The switch action can be changed from N/O to N/C and vice versa by simply reversing the float direction. The Side Mounted mini flow type level switches are installed horizontally and can be mounted vertically for some applications like flow detection. The switch action can be reversed by reorientation of the mounting.

PRINCIPLE

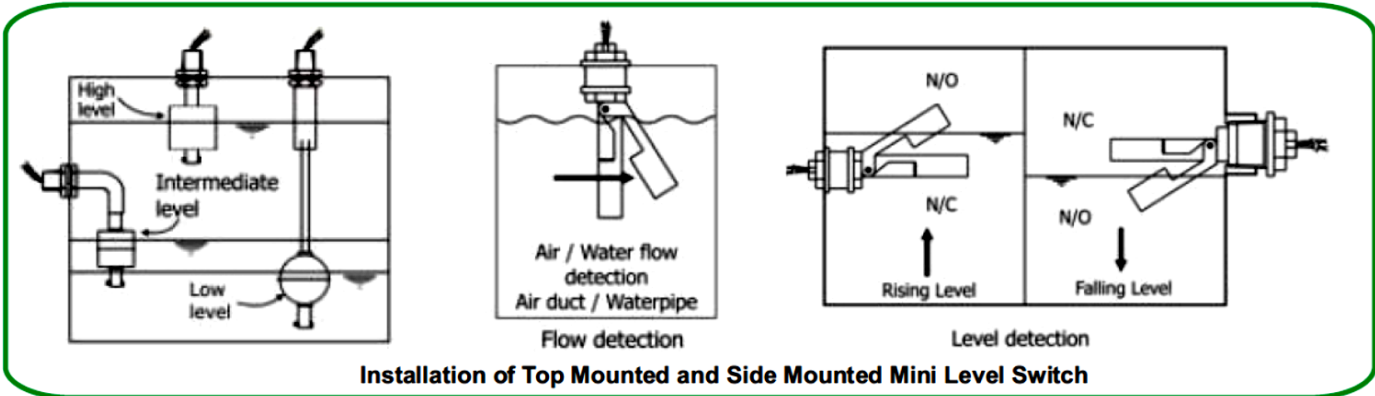
1. Top Mounted Mini Level Switch

The Top Mounted Level Switch has a simple & sturdy construction, consisting of a float and guide tube, made of nonmagnetic material to achieve un-disturbed magnetic flux. The float has a magnetic system within it and moves freely along the guide tube, which contains glass encapsulated hermetically sealed reed switches, located at preset positions. Float follows liquid level and magnetically actuates reed switch at preset positions to give a change over contact. Single switching is available through single float depending upon float size and switch construction. It can be mounted vertically from top and can be extended through an extension pipe for low level switching or alternatively switch can be side mounted through an elbow.

2. Side Mounted Mini Level Switch

The Side Mounted mini level switches are installed horizontally and can be mounted vertically for some applications like flow detection. The switch action can be reversed by reorientation of the mounting.

The level switch can be wired directly in series to operate electric loads like audio or alarm, annunciation, mimic indication, which match the low switching capacity of reed contacts. However, high loads like contactor, solenoid or motorized valve should be connected through a level controller to prevent overloading by surge or inrush current and isolate reed contacts from the electrical power system, to ensure their long life.



Continuous efforts for product development may necessitate changes in these details without notice

Manufacturer & Marketed by:



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