



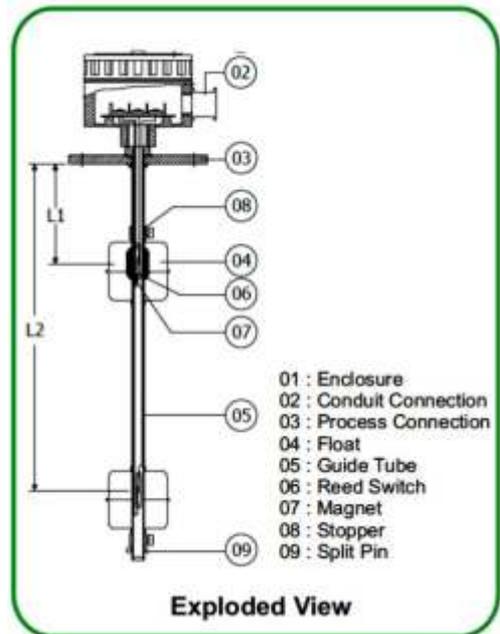
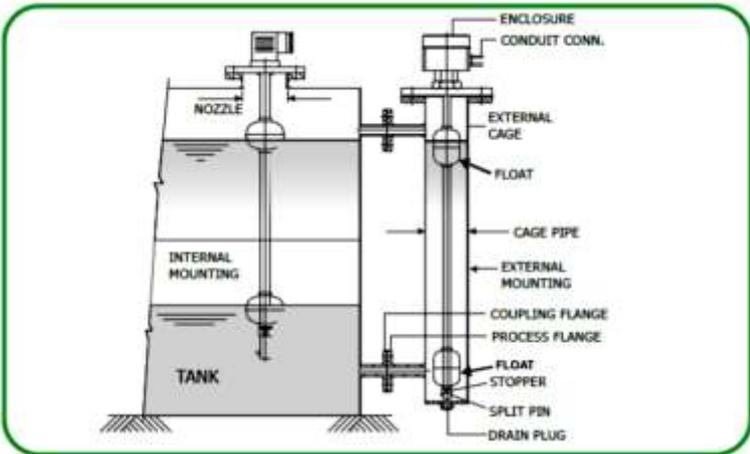
## Top Mounted Magnetic Float Level Switch

### INTRODUCTION :

NK Instruments Pvt. Ltd. make Top Mounted Level Switch is an established and reliable technique in industry for single or multiple liquid level sensing and control in open or pressurized vessels. It offers trouble free service in conductive and non-conductive liquids under widely varying temperatures, pressures, liquid viscosity and corrosive conditions. Besides, it provides high repeatability, and effects of shocks or vibrations are minimal.

### PRINCIPLE :

The Top Mounted Level Switch has a simple & sturdy construction, consisting of a float and guide tube, made of nonmagnetic material to achieve undisturbed 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 or multiple switching is affected through single or multiple floats as required by application. Mounted internally or externally through an external chamber. External mounting is adopted to overcome limited space within the tank or where mechanical devices like stirrers operate or where isolation tank is required for regular servicing. It can be mounted vertically from top. 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

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