



Micro Switch operated Magnetic Float Level Switch

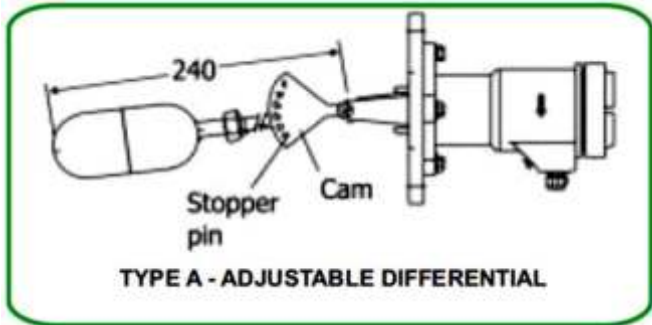
INTRODUCTION

NK Instruments Pvt. Ltd. Side Mounted Magnetic Level Switch is an economical and reliable device used for high, low and intermediate point level switching. It is ideal for tanks with inaccessible tops or bottoms and where insertion depths of top mounted models exceeded.

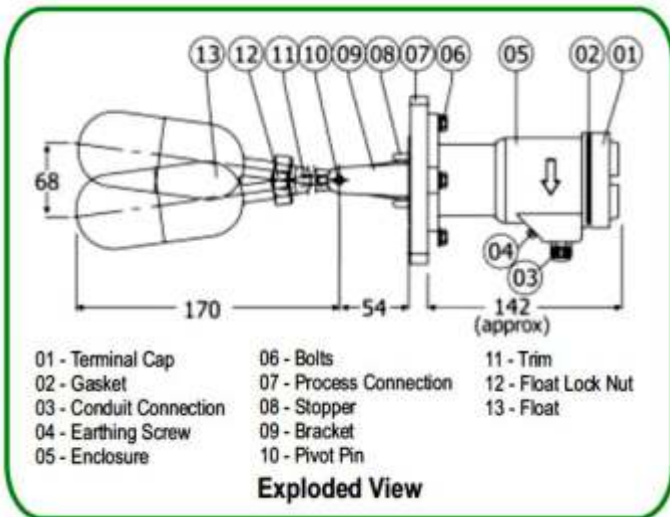


PRINCIPLE

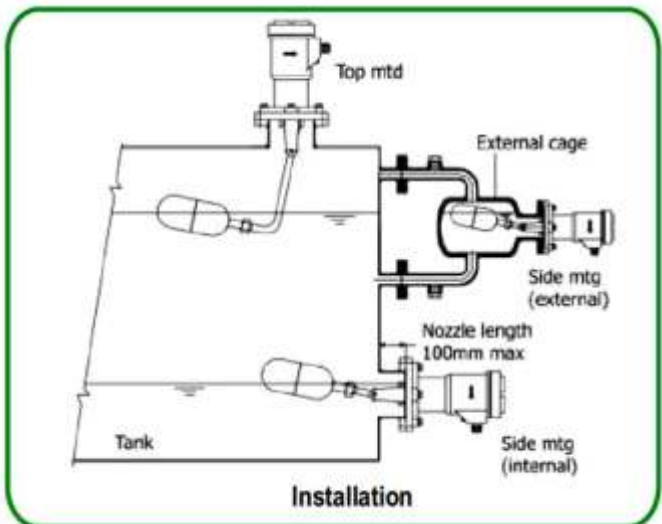
The Side Mounted Magnetic Level Switch has a compact & rugged construction, consisting of a free moving pivoted float assembly and a switch enclosure in non magnetic material to achieve undisturbed magnetic flux. It employs dual magnets, one carried by the float arm and other by the contact carries housed in the switch enclosure. A change in liquid level brings the like poles of dual magnets opposite to each other and resulting repulsion force ensures a changeover of contacts with snap action. The magnetic transmission is glandless, leaving no scope for leakages from vessel into switch housing. These switches are manufactured in various materials, enclosures and special features to suit broad range of media and applications. They are designed to provide high repeatability and to minimize effects of shock, vibration and pressure.



Types of Constructions



- 01 - Terminal Cap
- 02 - Gasket
- 03 - Conduit Connection
- 04 - Earthing Screw
- 05 - Enclosure
- 06 - Bolts
- 07 - Process Connection
- 08 - Stopper
- 09 - Bracket
- 10 - Pivot Pin
- 11 - Trim
- 12 - Float Lock Nut
- 13 - Float



CONTACT DETAILS

B-501/504, 5th floor, Raunak Arcade, Near THC Hospital, Gokhale Road, Naupada, Thane(w) 400602. Maharashtra INDIA
● Telefax Nos.: 91-22-25301330 / 31 / 32 ● Skype: nitinkelkarskye ● Gtalk: nkinstruments2006

E-Mail: sales@nkinstruments.com Web: www.nkinstruments.com



Specifications

Installation	: Normally Side & Top Mounted for special application
Enclosure	: Cast Aluminum
Conduit Connection	: ½” BSP (F) with ½” BSP (M) Conduit
MOC of floats	: SS304, SS316, PP, SS304 with PVDF coated
Min. specific Gravity	: 0.6 depending upon float material & dimensions
Process Connections	: Flange or screwed
Switch Type	: Micro Switch (SPDT or DPDT)
Switch Rating	: 5A / 250 VAC
Switch Differential	: Fixed (15 +- 5mm). Adjustable between 40 & 300mm depending upon float , trim length & cam positioning
Accuracy	: +- 2mm
Repeatability	: +- 1mm
Max. operating Temperature	: Up to 250°C with SS float (Consult factory for temperature more than 250°C)
Max. Operating Pressure	: Up to 20 Kg/cm ² at ambient temperature (Consult factory for temperature more than 20 Kg/cm ²)
Special Features	: Adjustable Differential , L/Z cranked trims
Ingress Protection	: IP 65
Float Size	: 46mm X 100mm
Insertion Depth	: 215mm (Standard)

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

CONTACT DETAILS

B-501/504, 5th floor, Raunak Arcade, Near THC Hospital, Gokhale Road, Naupada, Thane(w) 400602. Maharashtra INDIA
● Telefax Nos.: 91-22-25301330 / 31 / 32 ● Skype: nitinkelkarskype ● Gtalk: nkinstruments2006

E-Mail: sales@nkinstruments.com

Web: www.nkinstruments.com