

Horizontal Mounted Level Switch-LTHS01

Description

Horizontal Mounted Level switches are float-actuated devices designed for horizontal mounting in a tank or process vessel through threaded or flanged connections. This low-cost switch is ideal for OEM applications where a single point high or low level alarm is desired.

Operating Principle

Compact and 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 carriers 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 change-over 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/applications. They are designed to provide high repeatability and to minimize effects of shock, vibration and pressure.



Specifications

Enclosure	: Weatherproof/Cast Al. IP66 Flame Proof to Gr.IIA IIB
Mounting	: Side
Process Connection	: Flange/Threaded
Wetted Part	: SS/MS/PP/PTFE/PVDF
Float	: Dia 48 std. others also available
Switch Type	: Micro Switch
Switch Contact	: SPDT/2SPDT 5A@250VAC
Conduit Connection	: ¾" ET or ½" NPT
Min. Specific Gravity	: 0.8
Mac. Temperature	: Up to 150°C, others on request
Maximum Pressure	: Up to 20 Kg/cm ²

Features

- Reliable & low cost
- PC/PLC/DCS, Alarm annunciator configurable
- Available with External Chamber

Application

Water, Diesel, Oils, Chemicals, Milk, Lubrication/Filtration systems, etc.