



# YPL INSTRUMENTS PVT. LTD.

## SIDE MOUNTED LEVEL SWITCH: YPL-SMLS01

### Introduction

YPL Side mounted level switch are suitable for fitting into tank or Similar vessels for indicating or controlling the level of a liquid. These switches can either be supplied in weather proof housing, Explosion proof housing or for intrinsically safe application.

### Principle of Operation

A change of liquid level correspondingly travels the float to Extreme level UP and DOWN. This movement of float in turn Causes a magnet to move into the proximity of micro switch, Resulting in switch actuation.

### Specification

|                             |  |
|-----------------------------|--|
| Maximum Switch Differential | : Within 18mm of level change Of liquid at S.G 1   |
| Minimum S.G.                | : 0.5  |
| Switch Housing              | : Aluminum alloy   |
| Electric Connection         | : ½" NPT (other optional)  |
| Maximum Repeatability       | : ±1.5mm   |
| Float & Linkage             | : SS304/SS316  |
| Max. Pressure               | : A) 15kg/cm <sup>2</sup> YPL<br>'A' & 'G' flanges<br>B) 100kg/cm <sup>2</sup> for standard<br>ASA/DIN flanges |
| Max. Temperature            | : A) Upto 150°C without cooling<br>Fins<br>B) Above 150°C with cooling<br>Fins                                 |
| Minimum ID of Nozzle        | : More than 50mm to enable the float to pass   |
| Maximum ID of Nozzle        | : 160mm  |



FIG. 1



FIG. 2