



# 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.



FIG. 1

### Specification

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



FIG. 2