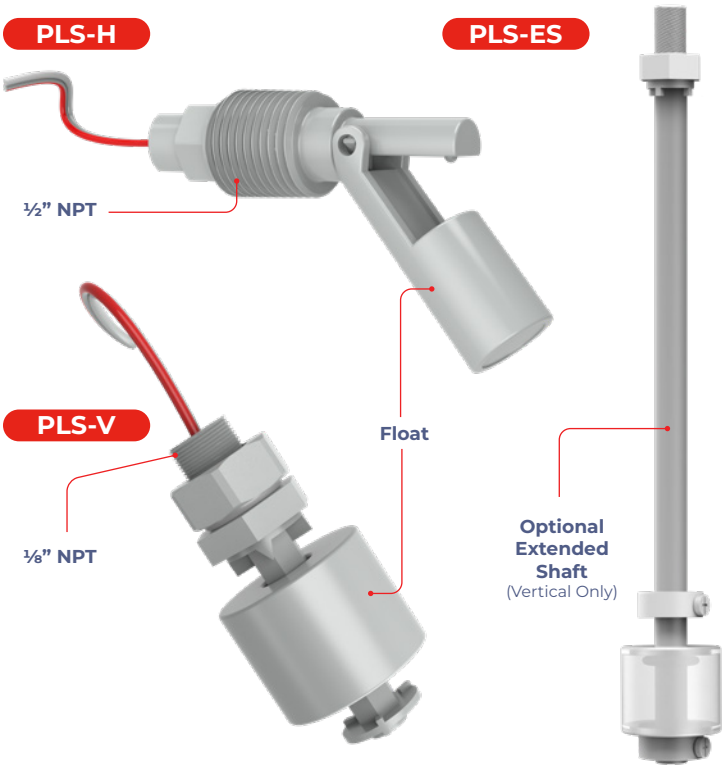
LevelPro® — PLS
Plastic Level Switch — Horizontal/Vertical

ICON PROCESS CONTROLS™ Corrosion-Free Instrumentation Equipment



Features

- Low Profile | Quick Installation
- No Power Required | 2 Wire Reed Switch
- Horizontal | Vertical Orientation
- All Plastic Design (Excellent Corrosion Resistance)
- High/Low Level Indication

The LevelPro PLS Series compact level switches combine affordability, reliability, and simple installation.

The all plastic level switches contain a hermetically sealed reed switch that is actuated by magnets that are permanently bonded inside the float. They can be easily adapted to open or close a circuit based on the rising or falling of the liquid level.

Switch ratings are suitable for many solidstate control systems and small monitors or alarms. Simple relay interfaces can be used for higher current applications such as pumps and on-off valve actuators.

Specifications

Wetted Material	PP | PVDF | PTFE Teflon®
Operating Temp	PP: 4°F to 190°F (-20°C – 88°C) PVDF: -40°F to 240°F (-40°C – 115°C)
Connection Size	Vertical ⅛" | Horizontal ½"
Max Pressure	Atmospheric
Min Density	0.7 S.G
Electrical Connection	2-Wire Flying Lead | Reed Switch
Number of Contacts	1 Std.
Contact Capacity	10W | 150VDC | 120VAC

Working Principal

As a direct result of rising or falling liquid, a magnetic field is moved into the proximity of a reed switch, causing its actuation.

Model Selection

PLS-V — Vertical Level Switch

Part Number	Material
PLS-V-PP	PP
PLS-V-PF	PVDF

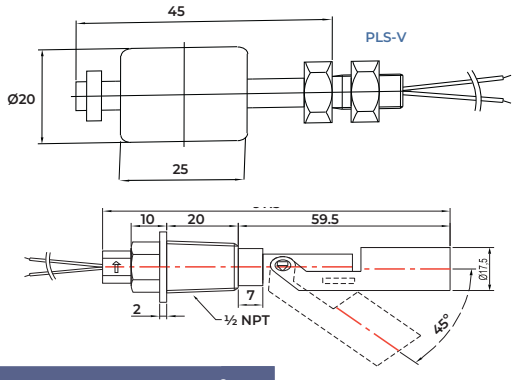
PLS-H — Horizontal Level Switch

Part Number	Material
PLS-H-PP	PP
PLS-H-PF	PVDF

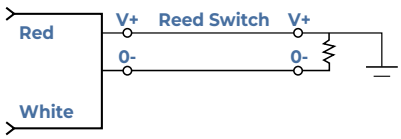
PLS-ES — Extended Shaft Vertical Level Switch

Part Number	Material	Length
PLS-ES-PP-12	PP	12"
PLS-ES-PP-24	PP	24"
PLS-ES-PP-36	PP	36"
PLS-ES-PP-48	PP	48"
PLS-ES-PF-12	PVDF	12"
PLS-ES-PF-24	PVDF	24"
PLS-ES-PF-36	PVDF	36"
PLS-ES-PF-48	PVDF	48"

Dimensions



Wiring Schematic



PVDF PTFE PP RoHS Compliant CE