

Levelpro PLS Series All Plastic Level Switches

The Levelpro PLS Series compact level switches combine low cost and reliability with fast, simple installation. The all plastic level switches contain an 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. Vertical mount models are shipped with normally open switch contacts, which will close as the float rises toward the mounting threads. The switch action can be reversed by removing the float, rotating it end-for-end and replacing it on the stem. Vertical models mount internally, oriented within 45° of vertical, or select optional fittings for external mounting. Switch ratings are suitable for many solid-state control systems and monitors or alarms. Simple relay interfaces can be used for higher current applications.



PLS 11, PLS 26
 PLS 31, PLS 32, PLS 32s, PLS 33
 PLS 41, PLS 42
 PLS B1p
 PLS 02a | 02b | 03a | 03b
 PLS 04a | 04b | 0Ba | 0Bb

Working Principle

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

Advantages

- Economic.
- Easy to Install.
- High or Low level Indication.
- All Plastic Design.

Areas of Application

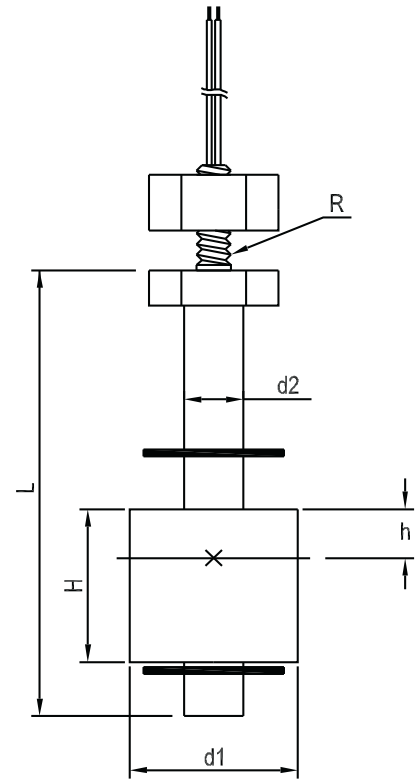
Machines, Tanks, Boilers, Corrosive Liquids
 Chemical Skids, Sumps, Solvent Recovery,
 Systems, OEM Applications.

PLS 03a - PP
PLS 03b - PVDF

Technical Specifications

SPECIFICATION	DESCRIPTION
Float Material	PP, PVDF
Wetted Parts Material	PP, PVDF
Pipe Material	PP, PVDF
Working Temperature	PP -20 - 80°C PVDF -40 - 100°C
Max. Pressure (Bar)	15 psi
Min. Density (g/cm3)	0.7
Electrical Connection	Cable
Number of Float	1 Std.
Number of Contact	1 Std.
Contact Capacity	10W , 200 VDC- 140 VAC
Optional	Liquid Level Relay

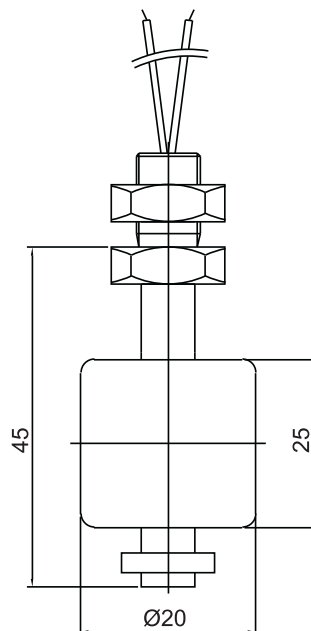
MODEL	PLS 03a 03b
R	M8.0x1.25
L	31.0
d1	024.0
H	17.0
h	4.5
d2	7



PLS - 11

Technical Specifications

SPECIFICATION	DESCRIPTION
Float Material	PP, PVDF
Wetted Parts Material	PP, PVDF
Pipe Material	PP, PVDF
Float Type	P1, P8
Working Temperature	PP -20 - 80°C PVDF -40 - 100°C
Mechanical Connection	1/8"
Max. Pressure (Bar)	Atm.
Min. Density (g/cm3)	0.7
Electrical Connection	Cable
Number of Float	1 Std.
Number of Contact	1 Std.
Contact Capacity	10W , 150 VDC- 120 VAC
Optional	Liquid Level Relay

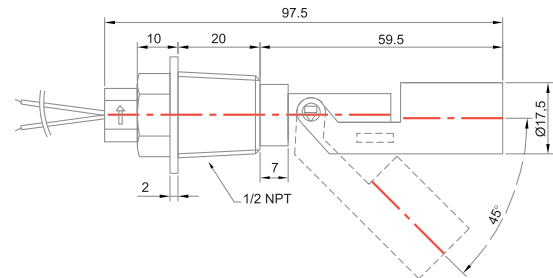


MODEL	PLS 11 Cylinder
a	20
b	26
c	8.5
d	44
e	55
f	6
	12
x	17Hex
y	17Hex
z	1/8" NPT

Technical Specifications

SPECIFICATION	PLS 31 41	PLS 33
Float Material	PP	PVDF
Wetted Parts Material	PP	PVDF
Float Type	P10	P10
Working Temperature	(-)20/+80°C / (-)30/+120°C	(-)30/+120°C
Mechanical Connection	1/2" NPT, BSP	1/2" NPT, BSP
Max. Pressure (Bar)	4	2
Min. Density (g/cm3)	0.75	0.85
Electrical Connection	Cable	Cable
Number of Float	1 Std.	1 Std.
Number of Contact	1 Std.	1 Std.
Contact Capacity	10W , 200 VDC - 140 VAC	10W , 200 VDC - 140 VAC
Optional	Liquid Level Relay	Liquid Level Relay

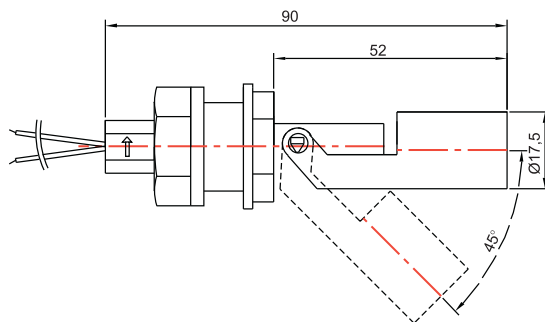
PLS 31 , PLS 33 ,



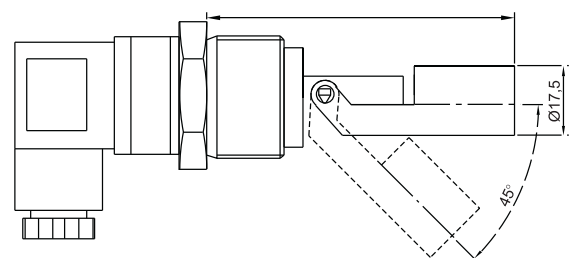
Technical Specifications

SPECIFICATION	PLS 32 42	PLS 32s
Float Material	PP	PVDF
Wetted Parts Material	PP	PVDF
Float Type	P10	P10
Working Temperature	(-)20/+80°C / (-)30/+120°C	(-)20/+80°C
Mechanical Connection	1"NPT M16	1"NPT 1"BSP
Max. Pressure (Bar)	4	4
Min. Density (g/cm3)	0.75	0.75
Electrical Connection	Cable	DIN43650C Socket, P03
Number of Float	1 Std.	1 Std.
Number of Contact	1 Std.	1 Std.
Contact Capacity	10W , 200 VDC - 140 VAC	10W , 200 VDC - 140 VAC
Optional	Liquid Level Relay	Liquid Level Relay

PLS 32, PLS 42



PLS 32s



Technical Specifications

SPECIFICATION	PLS B1p
Float Material	PP
Wetted Parts Material	PP
Pipe Material	PP
Float Type	P81
Working Temperature	(-)20/+80C
Mechanical Connection	3/4"BSP
Max. Pressure (Bar)	10
Min. Density (g/cm3)	0.75
Electrical Connection	DIN43650C Socket
Number of Float	1 Std.
Number of Contact	1 Std.
Contact Capacity	50W , 200 VDC- 250 VAC
Optional	Liquid Level Relay

