

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. 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 small monitors or alarms. Simple relay interfaces can be used for higher current applications such as pumps and on-off valve actuators



Advantages

- Cost Effective
- Easy to Install
- High | Low level Indication
- All Plastic Design
- Excellent Chemical Resistance
- Horizontal | Vertical Operation

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.

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Areas of Application

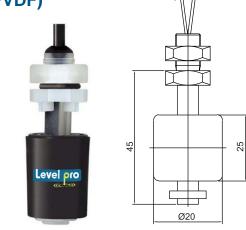
Machines | Tanks | Boilers | Corrosive Liquids | Chemical Skids | Sumps | Solvent Recovery Systems | OEM Applications

TECHNICAL SPI	ECIFICATIONS	Model -	PLS-PE
Float Material	PP		
Wetted Parts Material	PP PE		
Pipe Material	РР		
Working Temperature	PP -20 80°C		
Max. Pressure	15 psi		
Min. Density (g/cm ³)	0.7		
Electrical Connection	Cable		
Number of Float	1 Std.		
Number of Contact	1 Std.	MODEL	PLS-PE
Contact Capacity	10W 200VDC 110VAC	L	82.0
Description	Liquid Level Relay	н	34.0

TECHNICAL	SPECIFICATIONS

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	Atm.
Min. Density (g/cm3)	0.7
Electrical Connection	Cable
Number of Floats	1 Std.
Number of Contacts	1 Std.
Contact Capacity	10W 150VDC 120VAC
Description	Liquid Level Relay

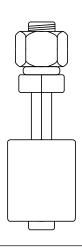
Model - PLS-31V (Polypropylene) PLS-32V (PVDF)



TECHNICAL SPECIFICATIONS		
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	Atm.	
Min. Density (g/cm3)	0.7	
Electrical Connection	Cable	
Number of Floats	1 Std.	
Number of Contacts	1 Std.	
Contact Capacity	10W 150VDC 120VAC	
Description	Liquid Level Relay	

Model - PLS31-SV (Polypropylene) PLS32-SV (PVDF)





Order from: **C A Briggs Company;** 622 Mary Street; Suite 101 - Warminster, PA 18974 Phone: 267-673-8117 - Fax: 267-673-8118; E-Mail: <u>Sales@cabriggs.com</u> - <u>www.cabriggs.com</u>



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SPECIFICATION	PLS 31 I 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	60 psi	2
Min. Density (g/cm3)	0.75	0.85
Electrical Connection	Cable	Cable
Number of Floats	1 Std.	1 Std.
Number of Contacts	1 Std.	1 Std.
Contact Capacity	10W 200VDC 140VAC	10W 200VDC 140VAC
Description	Liquid Level Relay	Liquid Level Relay

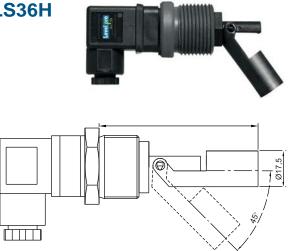
Model - PLS34H / PLS35H



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LECHNICAL		

Float Material	PP
Wetted Parts Material	PP
Float Type	P10
Working Temperature	-20 +80°C
Mechanical Connection	1" NPT BSP
Max. Pressure	60 psi
Min. Density (g/cm3)	0.75
Electrical Connection	DIN43650C Socket
Number of Floats	1 Std.
Number of Contacts	1 Std.
Contact Capacity	10W 200VDC 110VAC
Description	Liquid Level Relay

Model - PLS36H



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TECHNICAL SPECIFICATIONS Model - PLS-B12H Float Material PP 150 Wetted Parts Material PP --+-PP Pipe Material P81 Float Type -20 | +80C Working Temperature 34" NPT | BSP **Mechanical Connection** 125 Max. Pressure 150 psi 34" NPT / BSP Min. Density (g/cm3) 0.75 Electrical Connection DIN43650C Socket 1 Std. Number of Floats Number of Contacts 1 Std. 50W | 200VDC | 110VAC Contact Capacity Liquid Level Relay Description *Float Diameter is greater that ³/₄" NPT Dimension

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