

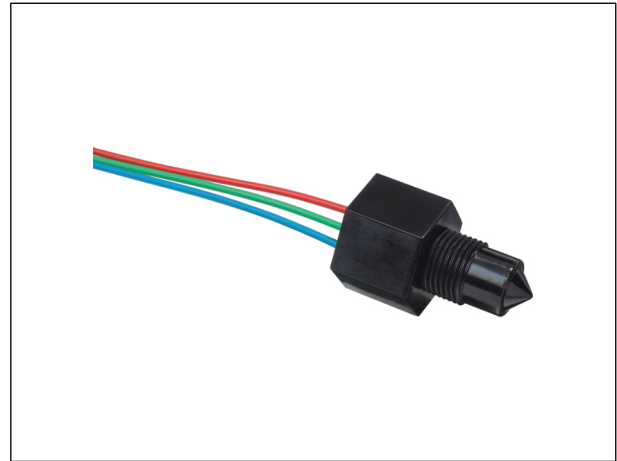
ALP Industrial Series

Liquid Level Switches

PRELIMINARY

FEATURES

- Solid state technology, no moving parts
- Polysulfone or Trogamid® housing
- High media compatibility
- Compact design
- High temperature devices available



MEDIA COMPATIBILITY

Tip and Housing: Polysulfone or Trogamid® ¹

SPECIFICATIONS

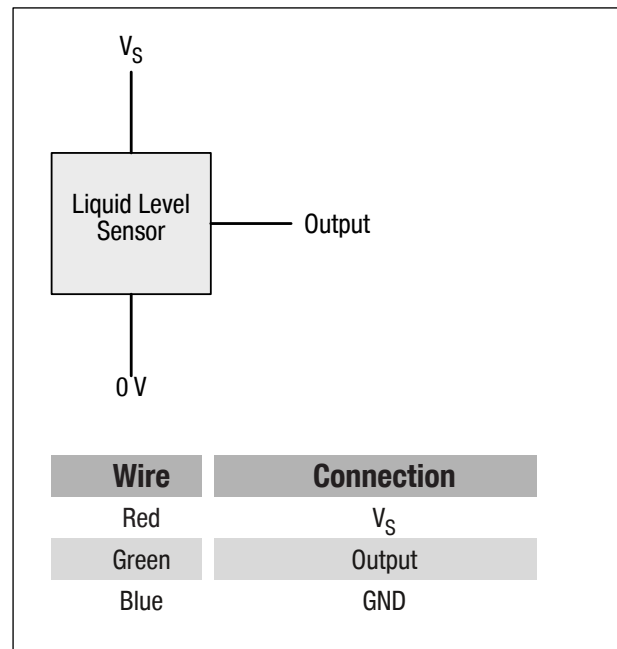
Maximum Ratings

Supply voltage	4.5...15.4 V _{DC}
Supply current @ V _S = 15,4 V _{DC}	2.5 mA
Output Current	1 A

Temperature

Operating (Standard)	-25...+80 °C
Operating (Extended)	-40...+125 °C
Storage (Standard)	-30...+85 °C
Storage (Extended)	-40...+125 °C

ELECTRICAL CONNECTIONS



Notes:

- Before use check that the fluid in which you wish to use these devices is compatible either with Polysulfone or Trogamid®. Some common fluids and compatibility can be found in All Sensors' Liquid Level Switches – Installation, Operation and Compatibility Guide. When using Trogamid® above +85°C some oil based liquids can cause deformation of the sensing tip, and must be tested for compatibility.

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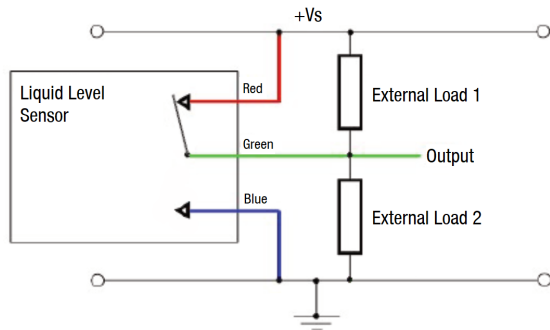
Liquid Level Switches

OUTPUT CHARACTERISTICS

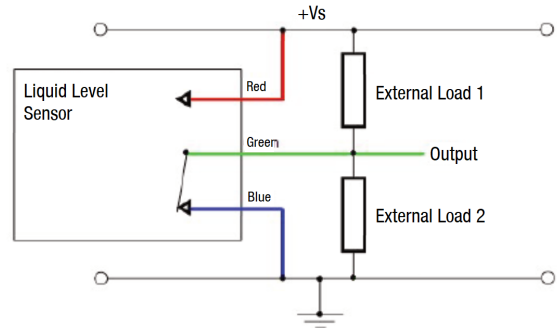
Characteristics	Min.	Typ.	Max.	Unit
Output High			$V_S - 1.5V$	V
Output Low			0V - 0.5V	V
Output Sink and source current		1		A

CIRCUIT DIAGRAMS

N&P-Type Push Pull High in Air

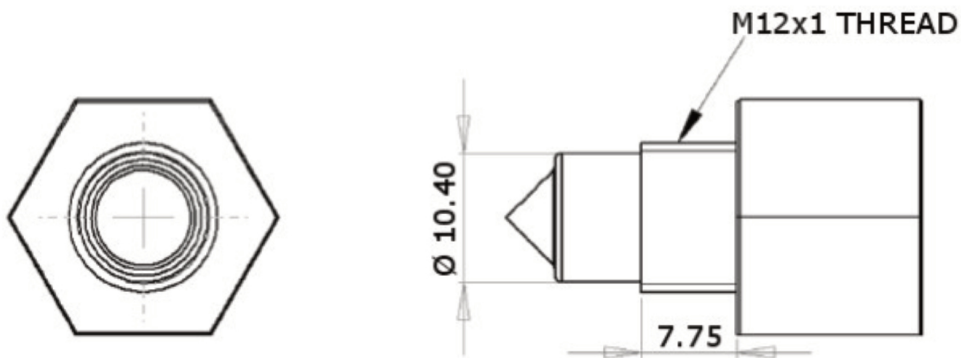


N&P-Type Push Pull Low in Air



OUTLINE DRAWING

ALP-xGE-... (M12x1, mounted externally)



Thread	M12x1-8g
Pressure	20 bar / 290 psi maximum (when correctly sealed)
Tightening Torque	1.5 Nm / 13.26 in-lbs maximum
Sensor Termination	20AWG, 250mm PVDF wires

Dimension in mm

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■ ORDERING INFORMATION

Series	Housing Style		Temperature Range		Termination	Output Logic		
ALP-	PGE-	Polysulfone M12	S	-25 ... 85 °C	5- 3-wire output	H	High in Air	S 6
	TGE-	Trogamid M12	E	-40 ... 125 °C		L	Low in Air	

Order code example: ALP-PGE-S5-HS6

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