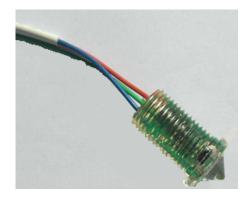
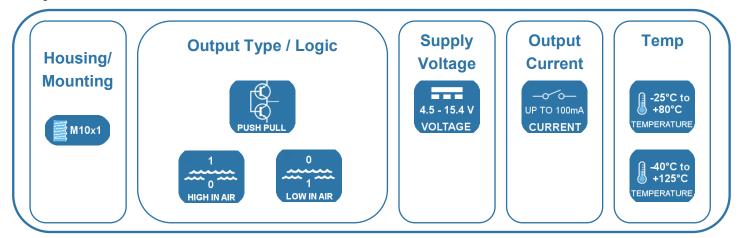


Liquid Level Switch Optomax Digital LLT510D3

Optomax Digital liquid level switches are ideal for applications with restricted space that require a miniature, low power and low cost sensing solution.

The microcontroller based sensor is solid state, incorporating an infra-red LED and phototransistor which are optically coupled by the tip when the sensor is in air. When the sensing tip is immersed in liquid, the infra-red light escapes making the output change state.





X TECHNICAL SPECIFICATIONS

		Housing material	Trogamid® or Polysulfone ¹
Supply voltage (Vs) Supply current (ls)	$4.5V_{DC}$ to $15.4V_{DC}$ 2.5mA max. (Vs = 15.4V _{DC})	Sensor termination	24AWG, 250mm PTFE wires, 8mm tinned
Output sink and source current (lout)	100mA	Mounting thread ²	M10x1 ³
		Operating pressure	20bar ⁴
Operating temperatures	-40°C to +125°C	Tightening torque	1.5Nm / 13.26 in-lb maximum
Storage temperatures	-40°C to +125°C	A OUTPUT VALUES	
		Output Voltage ⁵ (Vout)	1 = 100 mA

OUTPUT VALUES	
Output Voltage⁵ (Vout):	
Output High	
Output Low	

Iout = 100mA Vout = Vs - 1V max Vout = 0V + 0.5V max



- Before use check that the fluid in which you wish to use these devices is compatible with Polysulfone.
- Sensor is mounted from inside vessel.
- Hex nut and O-ring sold separately.
-) When correctly sealed.
-) Voltages applicable to output value stated.

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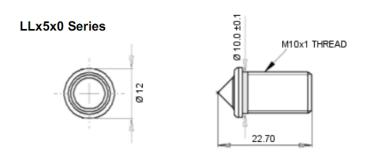
Shenzhen: Adress : Room 712, Huaneng Building, Shennan Zhong Road, Shenzhen 518031, China Tel : (86-755) 83680810 83680820 83680830 83680860 Fax : (86-755) 83680866 Hong Kong: Adress : Unit 1502, Hollywood Plaza, 610 Nathan Road, Mong Kok, Kln., H.K. Tel : (852) 2737 0903 Fax : (852) 2737 0938 Email : sales@apollounion.com





All dimensions shown in mm. Tolerances = ± 1 mm.

Sensor mounted from inside vessel



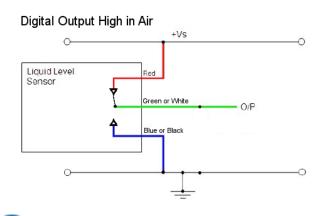
CAUTION

damage.

accordance with their requirements.

permanent damage to the device.

likely to attack the sensor material.



CAUTION: Take care when connecting loads. The minimum load impedance should not exceed Vs/max output current.

NOTE: Shorting the output to Vs or 0V will result in irreparable damage to the sensor.

Do not exceed maximum ratings and ensure sensor(s) are operated in

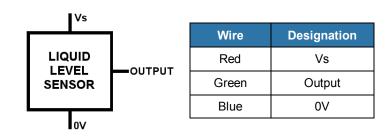
Carefully follow all wiring instructions. Incorrect wiring can cause

Apollo Sensing Ltd recommend using alcohol based cleaning agents.

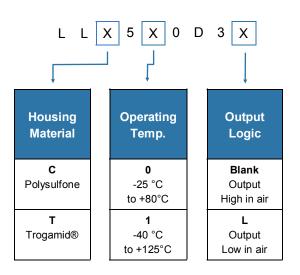
Do NOT use chlorinated solvents such as tricholerthane as these are

Failure to comply with these instructions may result in product

ELECTRICAL INTERFACE



Specify the part number listed below when ordering.



As customer applications are outside of Apollosense Ltd.'s control, the information provided is given without legal responsibility.

Customers should test under their own conditions to ensure that the equipment is suitable for their intended application. Before use, check that the fluid in which you wish to use these devices is compatible with Polysulfone.

General Note: Apollo Sensing Ltd. reserves the right to make changes to product specifications without notice or liability.

All information is subject to Apollo Sensing Ltd.'s own data and considered accurate at time of going to print.



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