

🐻 BENEFITS

- Low power
- Low cost
- Compact design

X TECHNICAL SPECIFICATIONS

or	$4.5V_{DC}$ to $15.4V_{DC}$ $4.5V_{DC}$ to $5.5V_{DC}$ (PWM output)	Frequency
	2.5mA max. (Vs = 15.4V _{DC})	
e	100mA	
es	Standard: -25°C to +80°C Extended: -40°C to +125°C	
5	Standard: -30°C to +85°C Extended: -40°C to +125°C	Other sens
	Polysulfone or Trogamid®	
	24AWG, 250mm PTFE wires, 8mm tinned	
	es	or $4.5V_{DC}$ to $5.5V_{DC}$ (PWM output) $2.5mA$ max. (Vs = $15.4V_{DC}$) $2.5mA$ max. (Vs = $15.4V_{DC}$) 100mA es Standard: -25° C to $+80^{\circ}$ C Extended: -40° C to $+125^{\circ}$ C Standard: -30° C to $+85^{\circ}$ C Extended: -40° C to $+125^{\circ}$ C Polysulfone or Trogamid® 24AWG, $250mm$ PTFE

OUTPUT VALUES

Output Voltage ^c (Vout):	lout = 100mA
Output High	Vout = Vs - 1.5V max
Output Low	Vout = 0V + 0.5V max

PWM

Duty cycle in air Duty cycle in liquid

25% ± 10% 75% ± 10% 2kHz ± 10%

sor options available on request

NOTES

Above +85°C, Trogamid is suitable for use in water based liquids. Oil based liquids can cause deformation of the sensing tip and must be tested for compatibility.

Before use check that the fluid in which you wish to use these devices is compatible either with Polysulfone or b) Trogamid®

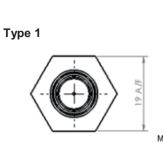
Voltages applicable to output value stated. c)

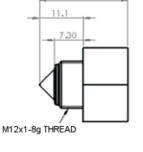
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T OUTLINE DRAWING

All dimensions shown in mm. Tolerances = ±1mm

Ø 10.40

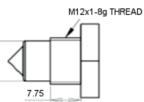




22.40

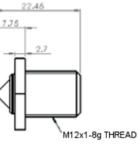
Type 2





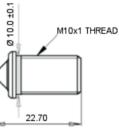
Type 3





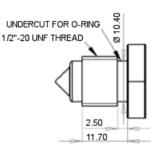
Type 5





Type 6

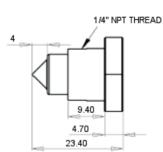


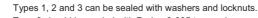


Type 7



NOTES





- Type 6 should be sealed with Parker 3-905 type o-ring.
- f) Type 7 should be sealed with PTFE tape.

When correctly sealed. g)

d)

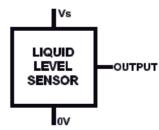
e)

HOUSING SPECIFICATIONS



	Housing Series		
	Type 5	Туре 6	Type 7
Thread	M10x1	1/2"-20 UNF ^e	1/4" NPT ^f
Pressure ⁹	20 bar / 209 psi max.	7 bar / 101 psi maximum	
Tightening Torque	1.5 Nm / 13.26 in-lbs maximum		



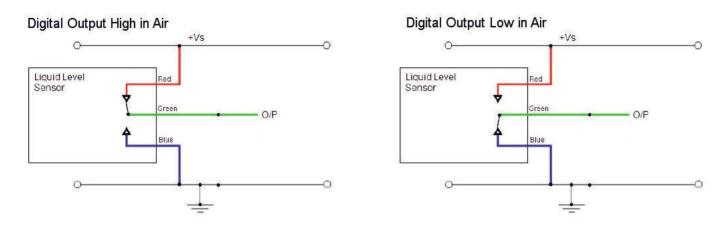


Wire	Designation	
Red	Vs	
Green	Output	
Blue	0V	

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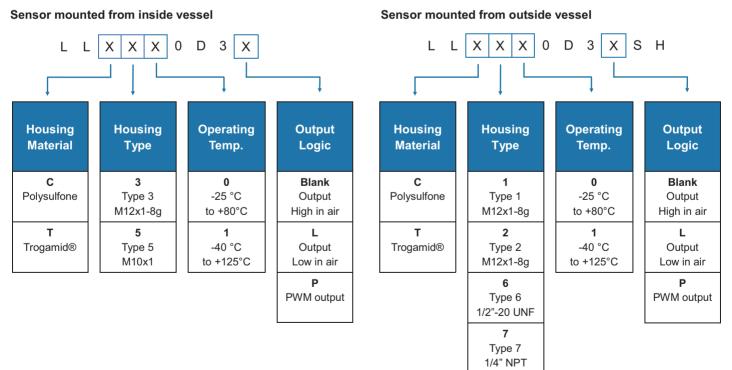
In order to suit any application, these sensors have been designed with various output circuit configurations.



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.

ORDER INFORMATION

Generate your specific part number using the convention shown opposite. Use only those letters and numbers that correspond to the sensor and output options you require - omit those you do not.



Notes:

Type 3 and Type 5 sensors are mounted internally.

Types 1, 2, 6 & 7 sensors are mounted externally.

SH suffix applicable to Types 1, 2, 6 & 7 sensors only; omit from Type 3 and Type 5 sensor part numbers.

Do not exceed maximum ratings and ensure sensor(s) are operated in As customer applications are outside of SST Sensing Ltd.'s control, the accordance with their requirements. information provided is given without legal responsibility. Customers should test under their own conditions to ensure that the equipment is Carefully follow all wiring instructions. Incorrect wiring can cause suitable for their intended application. Before use, check that the fluid in permanent damage to the device. which you wish to use these devices is compatible with Polysulfone or Trogamid®. SST Sensing Ltd recommend using alcohol based cleaning agents. Do NOT use chlorinated solvents such as trichloroethane as these are likely to attack the sensor material. Failure to comply with these instructions may result in product damage.

General Note: SST Sensing Ltd. reserves the right to make changes to product specifications without notice or liability. All information is subject to SST Sensing Ltd.'s own data and considered accurate at time of going to print.

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