

### Models Available

**SLX2** High Liquid Level Sensor

**SLX3** Low Liquid Level Sensor

**SLX4** High & Low Liquid Level Sensor

### Product Features

- Liquid sensing by detection of free ions
- High immunity to probe deposits
- Full galvanic isolation
- FET output to drive solenoid valve / relay
- 110Vac, 230Vac or 5Vdc powered
- Time delay to avoid nuisance switching

## Selex™ Liquid Level Sensors

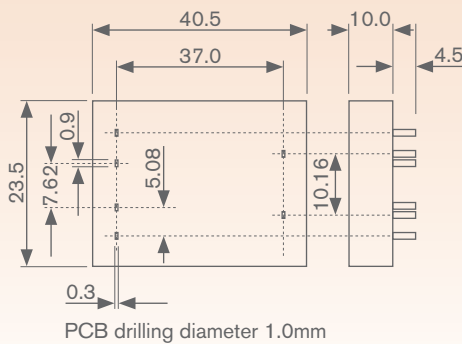
The Tempatron Selex™ liquid level sensors control the levels of conductive liquids by using advanced solid state ferromagnetic technology to sense the presence of liquid by detecting the free ions within it. They are ideal for applications where significant build up of deposit on the probes can occur, e.g. with adhesives or systems in hard water areas. They are available in 110Vac and 230Vac versions with a FET output (to drive a relay or solenoid valve) and 5Vdc powered versions with an NPN transistor output.

The sensors pass no measurable current through the liquid and provide full galvanic isolation between the supply, inputs and outputs. These sensors pcb mount, have an integral 5 second delay to avoid nuisance switching and require two mutually isolated metallic probes, one of which can be the container itself.

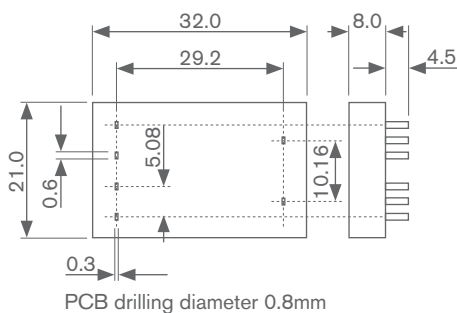
## For detection and control of liquid levels in conductive liquids

### Dimensions

#### SLX2 & SLX3



#### SLX4



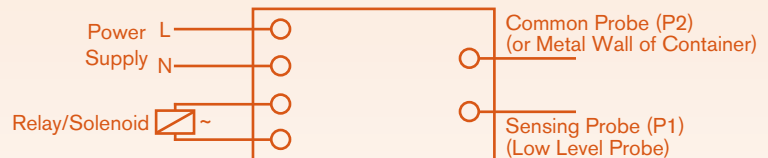
All dimensions in mm

### Connections

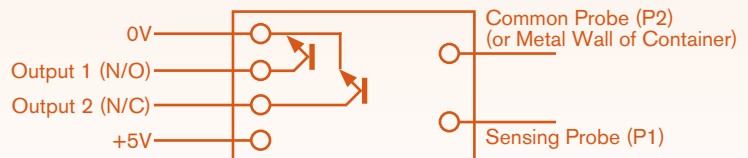
#### SLX2 High Liquid Level Sensor



#### SLX3 Low Liquid Level Sensor



#### SLX4 High & Low Liquid Level Sensor



[View on pins](#)

**Ordering information**

Model	Code	Description
	SLX2	High Liquid Level Sensor
	SLX3	Low Liquid Level Sensor
	SLX4	High & Low Liquid Level Sensor

Supply & Output	Code	Description
	/110R	110Vac with Relay Output
	/230R	230Vac with Relay Output
	/005N	5Vdc with NPN Output

<b>Example</b>	<b>SLX4/005N</b>
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**Specification****Power Supply Voltages:**

- 110Vac (45-60Hz)
- 230Vac (45-60Hz)
- 5Vdc

**Supply Voltage Variation:**

- $\pm 15\%$

**Burden:**

- 1.75mA nominal

**Probe Current:**

- $< 5\mu\text{A}$

**Output (110 or 230Vac Models):**

- Full wave rectified DC output voltage 99V/207V (20VA maximum)

**Output (5Vdc Models):**

- 2 x 50mA current sink into NPN transistor, open collector (30Vdc max.)

**Re-activate Delay:**

- 5 sec nominal (110/230Vac models)

**De-activate Delay:**

- 100ms nominal (110/230Vac models)

**Probe Type:**

- 2 x metallic probes, insulated from tank wall, nominal surface area 1 cm<sup>2</sup>

**Output Operation:**

- SLX2: Relay energised when probe out of liquid
- SLX3: Relay energised when probe is in liquid
- SLX4: Output 1 conducting when probe out of liquid and output 2 conducting when probe is in liquid

**Operating Temperature:**

- -20°C to 65°C

**Enclosure Code:**

- Case IP65

**Weight:**

- SLX2 & SLX3 13g
- SLX4 7g

Specification subject to change without notice.

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**TEMPATRON**

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