



Representative photograph, actual product appearance may vary.

Due to regional agency approval requirements, some products may not be available in your area. Please contact your regional Honeywell office regarding your product of choice.

## LLE205000

LLE Series Liquid Level Sensor with Nickelplated brass housed, 1/2 inch BSPT and polysulphone sensor; Standard; Type 5; -25 °C to 80 °C; 250 mm lead wires and sleeving (180 mm for housed sensors); Nitrile rubber "O" ring;

### Features

- Solid state reliability - no moving parts
- Miniature size
- Microprocessor compatible
- Very large choice of sensing media
- Fast response
- Cost effective
- Polysulphone sensor housing suitable for hygiene applications
- Options available for internal or external mounting

### Typical Applications

- Automotive on board
- Home appliances
- Food and beverage processing
- Compressors
- Machine tools
- Vending machines

### Description

The LLE series of enhanced liquid level sensor uses a photo-transistor trigger which provides a digital output that denotes the presence or absence of liquid. This series incorporates reverse polarity, over voltage, short circuit and transient protection.



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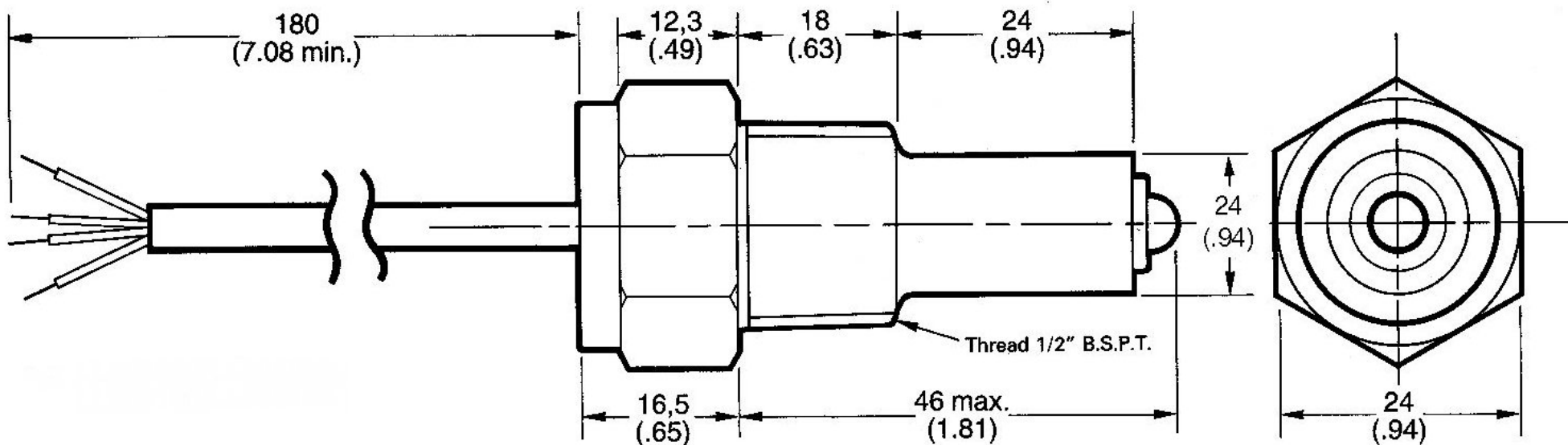
| Product Specifications      |                                    |
|-----------------------------|------------------------------------|
| Sensor Type                 | Enhanced Sensor                    |
| Operating Temperature Range | -25 °C to 80 °C [-13 °F to 176 °F] |
| Storage Temperature Range   | -30 °C to 85 °C [-22 °F to 185 °F] |
| Housing Material            | Nickel-plated brass                |
| Housing Type                | Industrial                         |
| Supply Voltage              | 5.0 Vdc to 12.0 Vdc                |
| Output Type                 | High in air                        |
| Application Type            | Variable                           |
| Termination Type            | 180 mm lead wires + sleeving       |
| Seal Washer                 | Nitrile rubber                     |
| Stainless-Steel Nut         | No                                 |
| Dome Dimension              | 3,5 mm radius                      |
| Thread Dimension            | 1/2 in BSPT                        |
| Hex Dimension               | 24 mm [0.94 in]                    |
| Pressure Range              | 0 to 25 bar                        |
| Supply Current              | 15 mA nom.                         |
| Output Sink Current         | 10 mA max. @ 25 °C                 |

|                                  |   |
|----------------------------------|---|
| Repeatability                    | 1 mm [0.04 in]                                    |
| Hysteresis (dependant on liquid) | 2 mm [0.08 in]                                    |
| Response Time - Rising Liquid    | 50 $\mu$ s  |
| Response Time - Falling Liquid   | 1 s max. (in ethanol)                             |
| Availability                     | Global  |
| Comment                          | Enhanced device incorporating circuit protection. |
| UNSPSC Code                      | 411121  |
| UNSPSC Commodity                 | 411121 Transducers                                |
| Series Name                      | LLE Series  |

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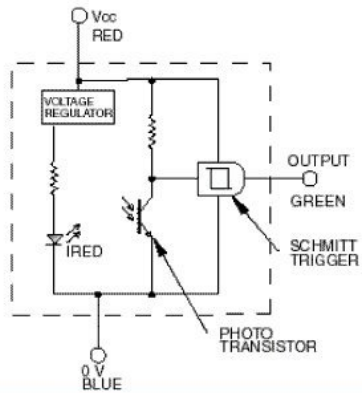
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#### **WARNING**

##### **PERSONAL INJURY**

DO NOT USE these products as safety or emergency stop devices, or in any other application where failure of the product could result in personal injury.

**Failure to comply with these instructions could result in death or serious injury.**

#### **WARNING**

##### **MISUSE OF DOCUMENTATION**

- The information presented in this product sheet (or catalog) is for reference only. DO NOT USE this document as product installation information.
- Complete installation, operation and maintenance information is provided in the instructions supplied with each product.

**Failure to comply with these instructions could result in death or serious injury.**