



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.

## LL103000

**LL Series Liquid Level Sensor with Polysulphone housing;  
Standard; Type 3; -20 °C to 85 °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 LL series Liquid Level Sensor uses a optoschmitt trigger which provides a digital output that indicates the presence or absence of liquid. These components require user supplied external circuit protection.



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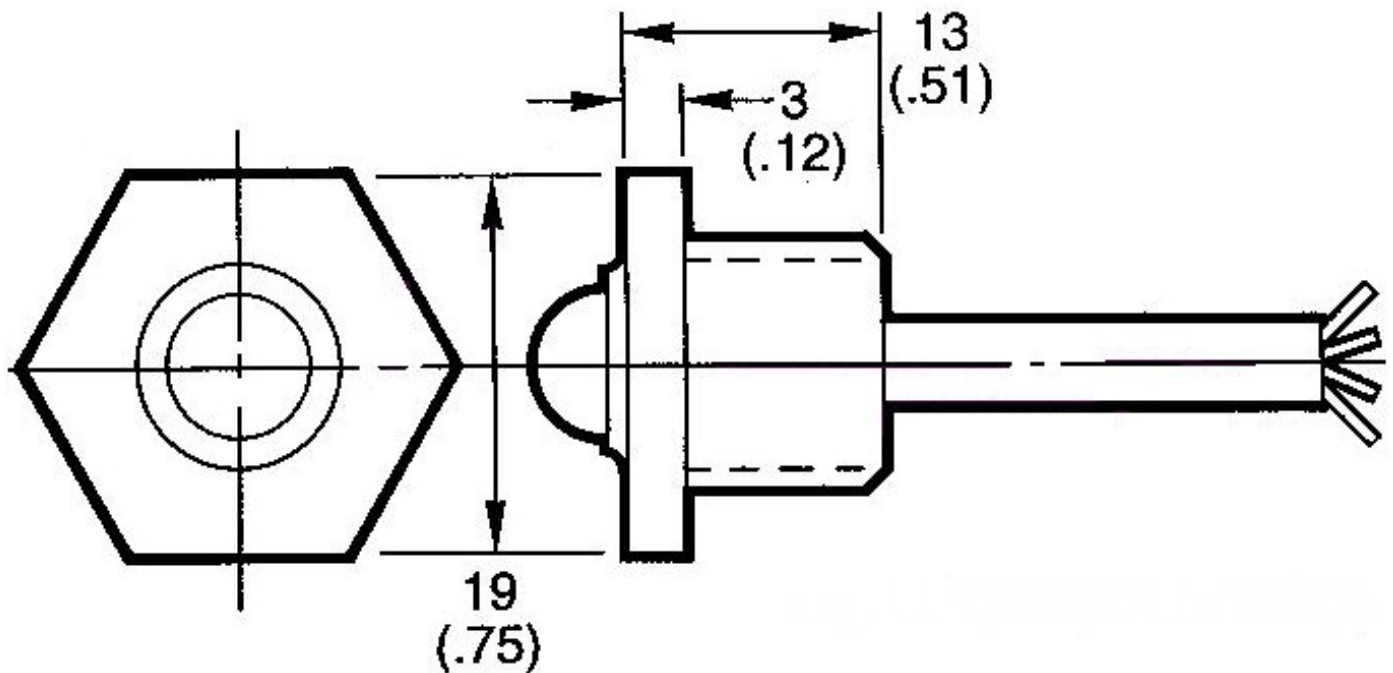
Product Specifications	
Sensor Type	Basic Sensor
Operating Temperature Range	-20 °C to 85 °C [-4 °F to 185 °F]
Storage Temperature Range	-40 °C to 100 °C [-40 °F to 212 °F]
Housing Material	Polysulphone
Housing Type	Type 3
Supply Voltage	5.0 Vdc
Output Type	High in air
Application Type	Variable
Termination Type	250 mm lead wires + sleeving

Seal Washer	Nitrile rubber
Stainless-Steel Nut	No
Dome Dimension	3,5 mm radius
Thread Dimension	M12 x 1 x 8g
Hex Dimension	19 mm [0.75 in]
Pressure Range	0 to 5 bar
Supply Current	45 mA max.
Output Sink Current	10 mA max. @ 25 °C
Repeatability	1 mm [0.04 in]
Hysteresis (dependant on liquid)	1 mm [0.04 in]
Response Time - Rising Liquid	50 µs
Response Time - Falling Liquid	1 s max. (in ethanol)
Availability	Europe and Asia-Pacific
Accessories	41001458001W
UNSPSC Code	411121
UNSPSC Commodity	411121 Transducers
Series Name	LL Series

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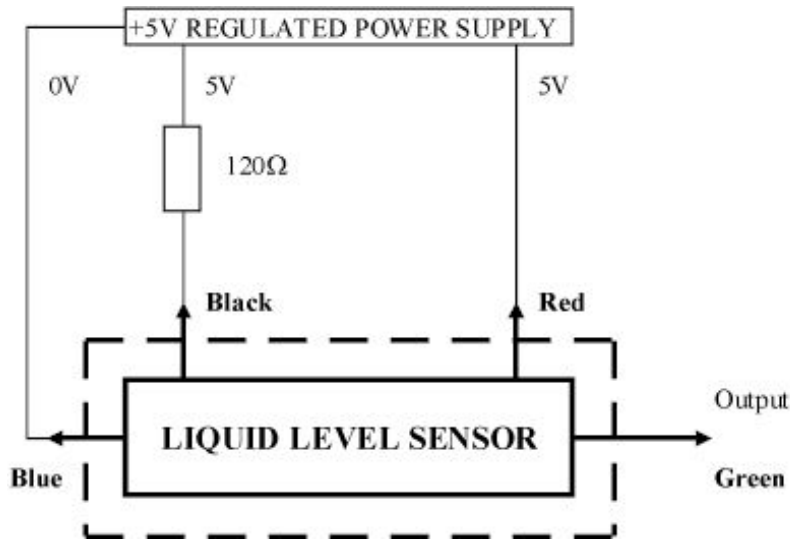
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### **⚠ WARNING**

#### **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.**