

DATA SHEET

Liquid Level Switches

Honeywell LLN Series Alternatives



FEATURES

- Liquid level switches that can detect the presence or absence of oil or water based liquids
- Stainless-steel housing for long life and ease of cleaning
- Reverse polarity and overvoltage protection



Housing / Mounting



Output Type / Logic



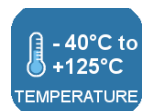
Supply Voltage



Output Current



Temp. / Pressure



BENEFITS

- Solid state reliability
- IP67 rated
- CE certified
- High pressure
- High temperature

APPLICATIONS

- Industrial compressors
- Machine tools
- Material handling
- Process / packaging equipment
- Heavy duty automotive

TECHNICAL SPECIFICATIONS

Supply voltage (Vs) ^a	10V _{DC} to 40V _{DC}
Supply current (Is)	15mA max
Output sink current (Iout)	200mA max
Operating temperature	-40°C to +125°C (-40°F to +257°F)
Storage temperature	-50°C to +125°C (-58°F to +257°F)
Operating pressure	25bar max
Housing material	Stainless-steel 303
Switch termination	3-pin Lumberg/Brad Harrison type connector

Other sensor options available on request, email:

technical@sstsensing.com

Need help? Ask the expert

Tel: + 44 (0)1236 459 020

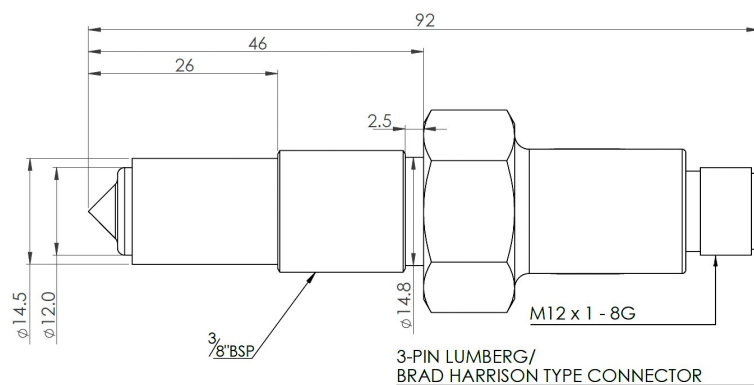
and ask for "Technical"



a) Reverse voltage protection to 40V_{DC}, Short circuit protection to 40V_{DC}

OUTLINE DRAWING

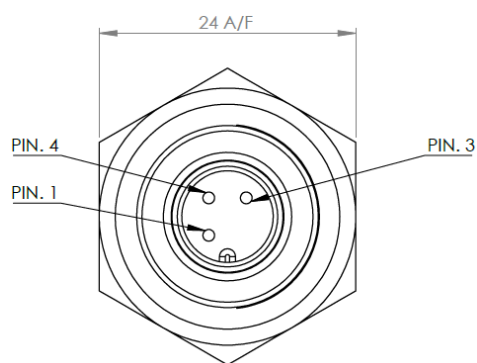
All dimensions shown in mm. Tolerances = ± 1 mm.



HOUSING SPECIFICATIONS

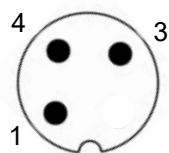
	Housing
Thread ^b	3/8" BSP
Pressure ^c	0 TO 25 bar
Tightening Torque ^d	45Nm (33 ft-lb) maximum

3-pin Lumberg / Brad Harrison Type Connector



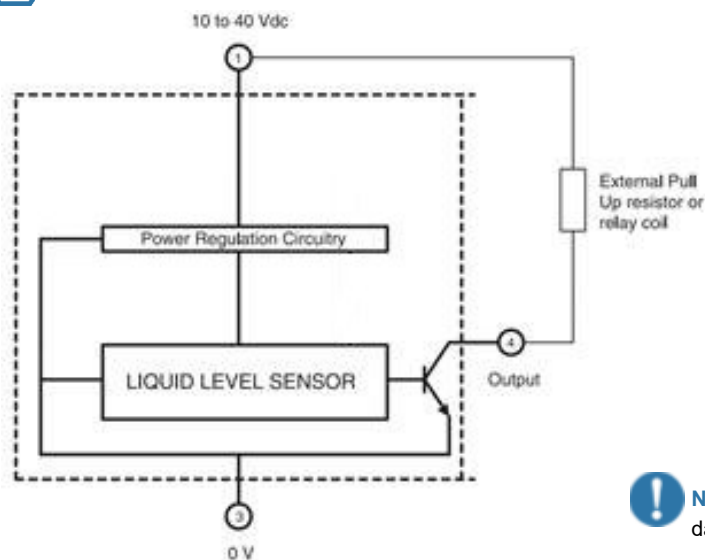
ELECTRICAL INTERFACE OPTIONS

M12 Connector



Pin	Designation
1	Vs
3	0V
4	Output

CIRCUIT DIAGRAM

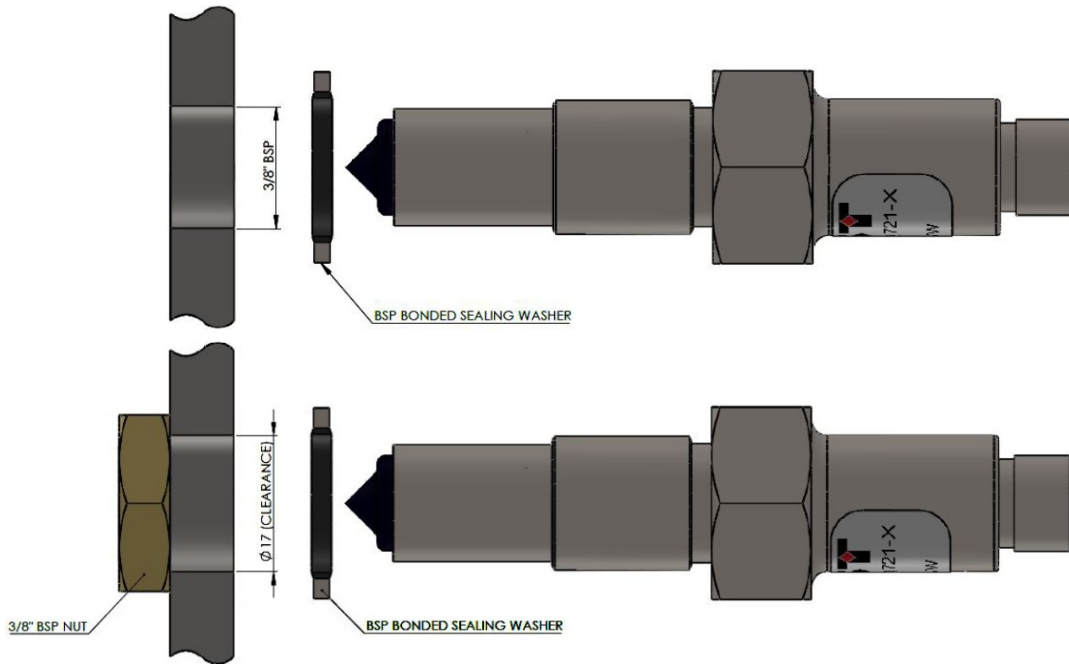


NOTE: Shorting the output to Vs or 0V will result in irreparable damage to the sensor.



- b) Refer to mounting information on [page 3](#)
- c) When correctly sealed
- d) Do NOT over-tighten as this can permanently damage the switch

MOUNTING SPECIFICATIONS



ORDER INFORMATION

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

Other sensor options available on request, email: technical@sstsensing.com for details.

L L C 8 6 5 1 7 2 - X

Output Function

1
NPN Output
high in air

2
NPN Output
low in air

CAUTION

Do not exceed maximum ratings and ensure sensor(s) are operated in accordance with their requirements.

Carefully follow all wiring instructions. Incorrect wiring can cause permanent damage to the device.

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.

INFORMATION

As customer applications are outside of SST Sensing 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 Stainless Steel and glass.

For technical assistance or advice, please email:
technical@sstsensing.com

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.