External Side Mounting

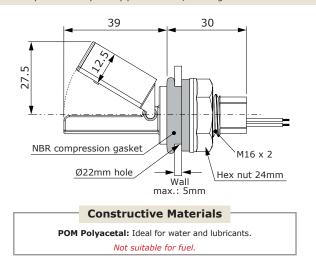
With NBR Compression Gasket for Ø22mm Hole



Technical Specifications	LF122E-40
Material	POM
Operating temperature range	-10°C to 100°C
Maximum operating pressure	2bar
Color	Orange
Liquid minimum density (SG)	0.85
Output connection	40cm cable
Maximum switching voltage	220Vac
Maximum switching capacity	20W/VA

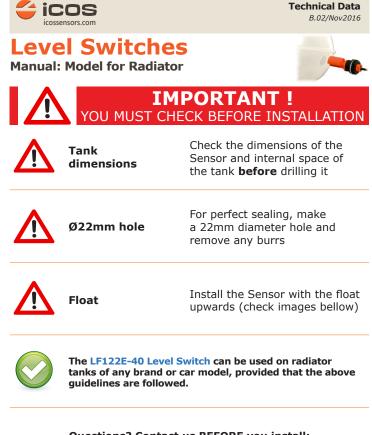
External mounting on tank with NBR compression gasket through Ø22mm hole;
Recommended NC mounting (float upwards, as shown in the picture);

- Installation in closed tanks;
- Detects the presence of liquids in pipes and tanks, including automotive tanks.



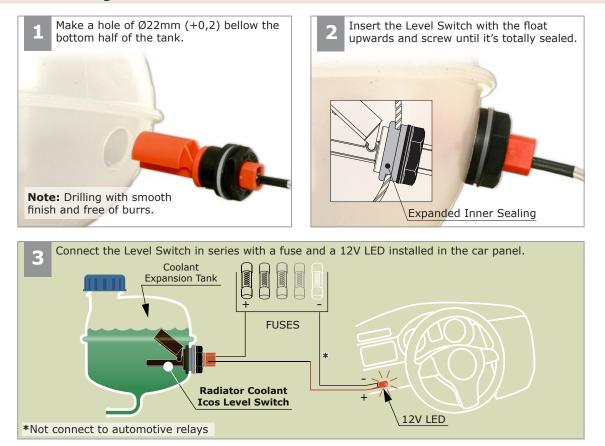
On **datasheets.icossensors.com** available technical specifications

+55 (15) 3032.9190



Questions? Contact us BEFORE you install: sensor@icossensors.com | +55 (15) 3032.9190

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Mounting Instructions of Radiator Coolant Level Switch for Automotive Tanks

Dimensions in milimeters

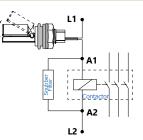
 igoplus On ${\it levelsensor.icossensors.com}$ check models and prices of Level Switches

Flow Switches & Level Switches for liquids Make it Easy





Typical connection to contactor



Output Contact ON/OFF Enclosure Rating IP66 ! Never connect the sensor to a motor, pump, lamp or any other

Switch NO/NC - SPST

load over 20W. Always use a contactor or relay.

The sensors work in all voltage and current ranges displayed in the table bellow:

Operating Voltage	Max. Switching Power	Max. Switching Current	Peak Current
110Vac	20VA	0.2A	0.5A @20ms
220Vac	20VA	0.1A	0.5A @20ms
5Vdc	2.5W	0.5A	1A @20ms
12Vdc	5W	0.5A	1A @20ms
24Vdc	10W	0.5A	1A @20ms
24Vac: NOT recommen	nded		

Term of Warranty

For installations according to this guide:

01 (one) year warranty - Incorrect installation cancels the warranty. All sensors have been tested and approved during the manufacture process. **Chemical products** require tests by the customer to verify compatibility with the constructive material of the sensor.

Liquids with ferrous particles require technical analysis: the sensor has magnetic component inside.

(h) On **datasheets.icossensors.com** available technical specifications

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Electrical contact of sensors - Attention to install

Reed Switch 20W/VA: Protect the electrical contact of your sensor



Reed Switches are hermetically sealed contacts actuated by a magnetic field.

The life expectancy of a reed switch refers to a kind of load to be used. Reed Switches of the highest reliability are applied in our sensors, and their life expectancy can reach above two million operations. However, when they are switching lamps, inductive or capacitive loads, this number may decrease.

Switching Power

It is important to consider that the power specified by an electrical load is often referred to the permanent working state.

For higher power, use an auxiliary relay or contactor as recommended below.

Siemens 3RT1015 Contactor Initial: 31.7VA Rated: 5.1VA

Weg CW07 Mini Contactor* Initial: 19.3VA Rated: 5.5VA

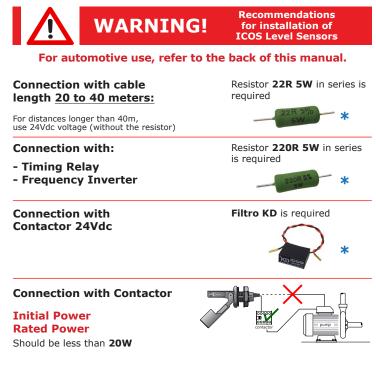
Schneider CA2KN Contactor Initial: 30VA Rated: 4.5VA

Note: Reed Switches have reached over one million operations in tests with contactor and K8* snubber filter.



Technical Data B.02/Nov2016

LF122E-40 Level Switch



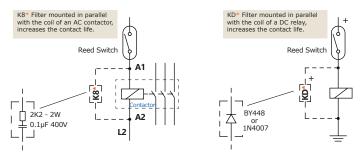
*For sale on accessories.icossensors.com

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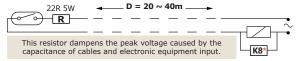
PROTECTION PROCEDURES BELOW DESCRIBED CAN IMPROVE THE REED SWITCH PERFORMANCE

• Switching inductive loads



? Risk of failure (welding of the Reed Switch Contact) due to CAPACITANCE, which can occur depending on the distance and cable used in the connection to the contactor.

• Connecting the sensor to a contactor in long distances, use resistor:



Note: For distances greater than 40m, use 24Vdc voltage.

• Connecting the sensor to an electronic equipment:

