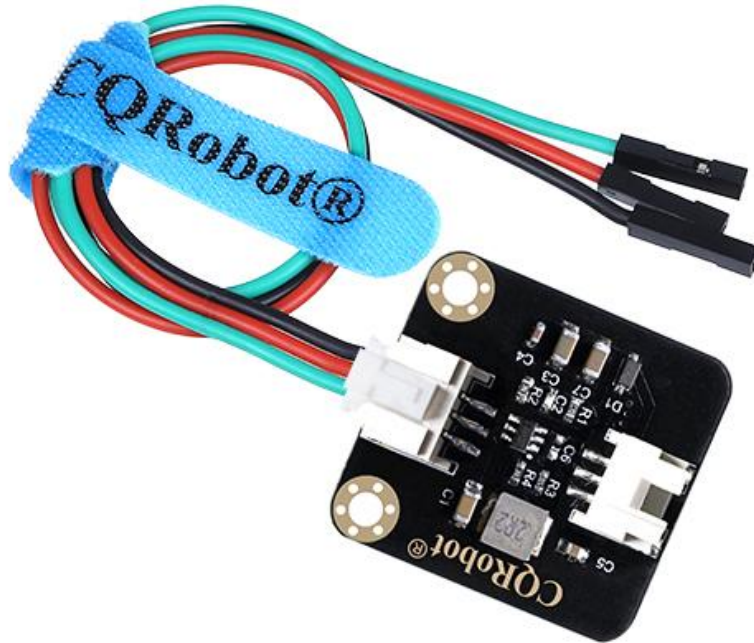


Contact Multi-point Photoelectric Liquid Level Sensor



1、Description

Contact Multi-point Liquid Level Sensor, This is a photoelectric water liquid level sensor that is operates using optical principles. Open collector output mode, suitable for connecting various circuits and product applications.

The sensor has no mechanical parts, requires no additional adjustment, and has high sensitivity, low power consumption, corrosion resistance, high pressure resistance, high temperature resistance and chemical stability.

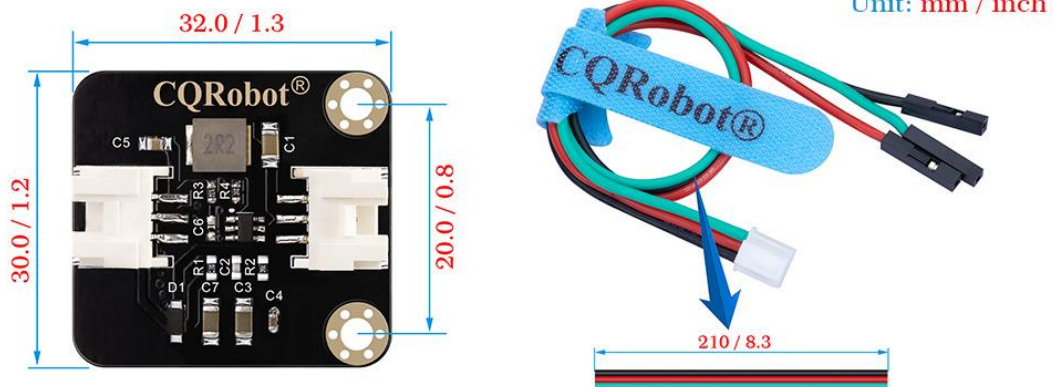
This sensor probe is small in size and has a structure that can be placed up, down, laterally, and diagonally in multiple orientations to detect solution spillage, dryness and horizontal level. Can be used as a reminder and alarm function.

The multi-point liquid level sensor can detect 4 liquid levels with a detection accuracy of up to ± 1 mm, high reliability and ultra-low standby power consumption.

Compatible with Arduino motherboard and Raspberry Pi motherboard. for Automatic Irrigation Systems, Aquariums, Plants, in The Garden, in Agriculture etc.

Note: Avoid placing the sensor near bright lights or in direct sunlight as these can cause interference.

2、Size Display



3、Specifications

Contact Multi-point Photoelectric Liquid Level Sensor

- Model: CQRSENYW003;
- Working Voltage: 3.3V / 5V;
- Working Current: 3.3V / minimum 80mA;
- Working Current: 5V / minimum 55mA;
- Output Frequency Without Liquid: 20Hz;
- Output Frequency Detection Point 1 With Liquid: 50Hz;
- Output Frequency Detection Point 2 With Liquid: 100Hz;
- Output Frequency Detection Point 3 With Liquid: 200Hz;
- Output Frequency Detection Point 4 With Liquid: 400Hz;
- Working Temperature: -10 Degree Celsius to +60 Degree Celsius;
- Dimensions: 32 mm * 30 mm;
- Mounting Hole Size: 3.0 mm;



	Parameter	Output Frequency	Units	Remarks
Output	Without Liquid	20	Hz	In Air
	DP 1 With Liquid	50	Hz	DP1
	DP 2 With Liquid	100	Hz	DP1+DP2
	DP 3 With Liquid	200	Hz	DP1+DP2+DP3
	DP 4 With Liquid	400	Hz	DP1+DP2+DP3+DP4

Unit: mm / inch

Cable Specifications

- Cable Specifications: 22AWG;
- Material: Silicone;
- Withstand Voltage: Less Than 50V;
- Withstand Current: Less Than 1000MA;
- Length: 21cm;
- Line Sequence: Black-Negative Power Supply, Red-Positive Power Supply, Green-Output Frequency.

4、Arduino Example and Test Code

Please refer to the CQRobot Wiki to obtain the test code,
 Wiki:[http://www.cqrobot.wiki/index.php/Contact Multi-point Photoelectric Liquid Level Sensor SKU: CQRSENYW003](http://www.cqrobot.wiki/index.php/Contact_Multi-point_Photoelectric_Liquid_Level_Sensor_SKU:CQRSENYW003)