Non-contact Pipe Level Sensors

Product Description:

Inducing water level sensor, only needs to cling it onto the outside of insulated container when you used. It will output an electrical signal when the liquid level reaches the detection point of the sensor. This sensor is easily installed and used and with a durable lifetime.

Features:

1. Contactless inducing sensor is applied to be installed outside of the container without direct contact with the liquid. It is not eroded by the superacid and alkali liquid and also is not affectted by the scale.
2. Intelligent liquid-level benchmark adjustment and liquid-level memory function. Liquid level status is displayed by LED.
3. Accurate and stable Detection. Also it can detect boiling liquid.
4. Pure electronic circuit structure, non-mechanical working, stable performance and durability lifetime.
5. High stabilization & sensitivity, good anti-jamming and no interference by outside electromagnetism.
6. Mightiness compatibility, it can penetrate various of non-metal material containers, such as plastic, glass, ceramic and other containers. Its inducing length can reach 10 mm, and it can detect liquid, powder and grain object.
7. Output with open collector which is applied to every kind of control circuit and product. Its voltage is from 5 to 24V and max output current is 30 mA.
8. The installation is simple and convenient, that is, paste and use.

Applied Range:

Household appliances products, sanitary wares intelligent control products, drinking & cleaning water and water treatment equipments, medical treatment and foodstuff mechanism equipments, chemical mechanism and equipments.

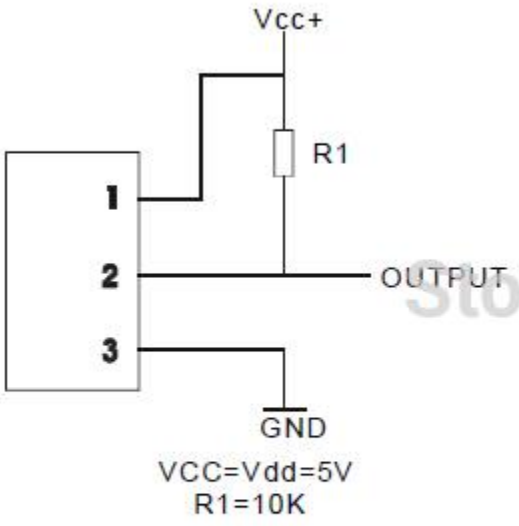
SIZE:

SENSOR 30×19×10mm
Working volt: 5V/12~24V
Output Amp: 30mA

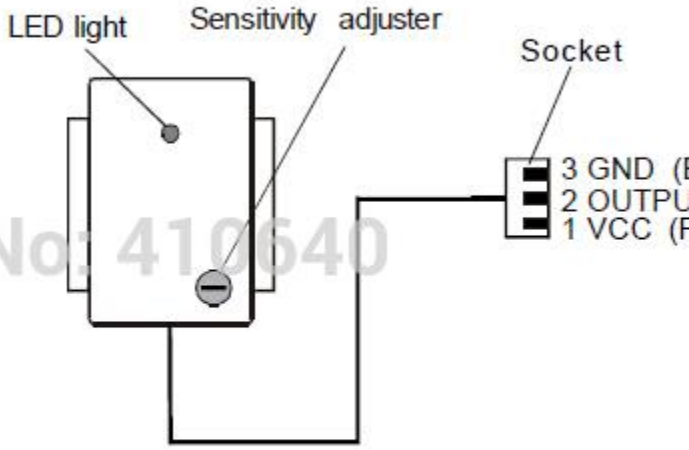
Specification

Item	Parameter	Unit
Working voltage VCC	5	V
Exterior working voltage Vdd	5~24	V
Consuming current	5	mA
Output voltage Voh（Hi）	Vdd	V
Output voltage Vol (Lo）	0.5	V
Output current Iol (Lo)	30	mA
Responding time	0.5	Sec
Working temperature	0~60	℃

Connection and application



Connection drawing

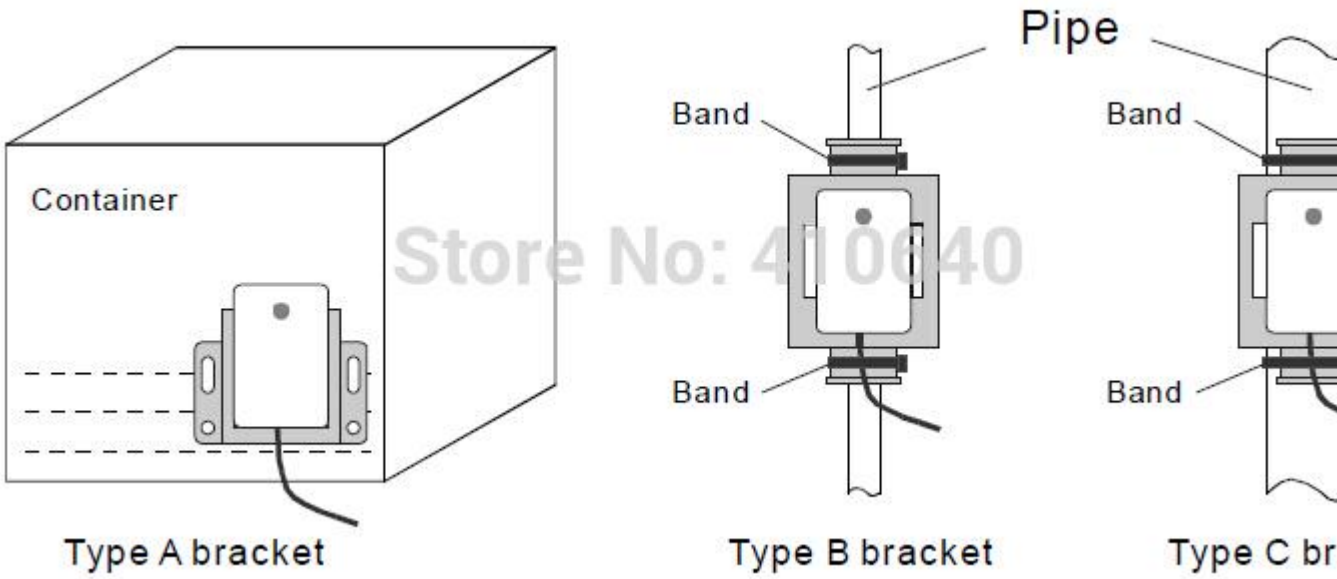


Product description

User manual

Make sure the power wiring is correct before using.It should be connected to the output part and pull up the resistance R1 The sensor can use in the nonmetal container such as plastic,glass,ceramic also in the pipe.That can use double side tape or bracket to fix the sensor on the surface of container side when installation.Use type B or type C bracket to fit the pipe

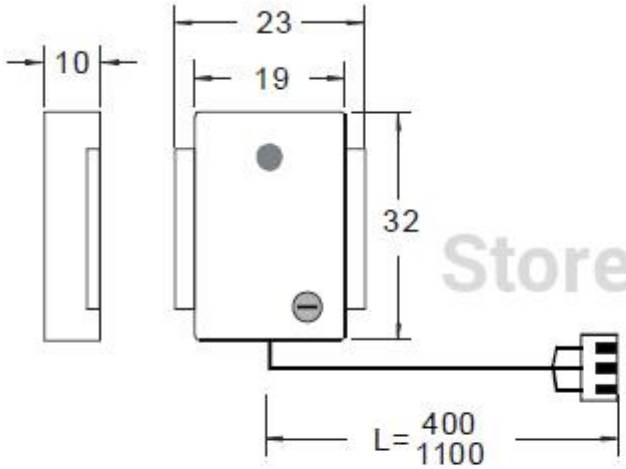
size with 8-12mm or 12-26mm when use the sensor to detect the liquid level of the pipe as below:

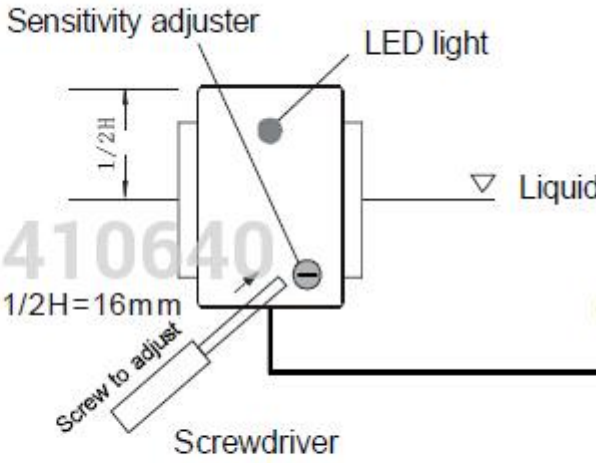


The liquid level benchmark should lie in the centeraline of the vertical direction of the inducing sensor during installation.After installation,the working liquid level ON/OFF should deviate within 10mm.If go beyond the requirement,use the special tool to adjust again.

Sensibility adjustment method

Take away the QC label,Use a responsive screw driver to adjust the resistor inside the adjustment hole on the top-left of the sensor.When the LED light turns on from the off state that means adjustment is completed.





Unit: mm

Size drawing

Sensitivity adjustment descrip

If you have problems during using,you can't disassemble the products by yourself.
Please dismantle the entire sensor and return back to the manufacturer to repair.

Installation Picture

A bracket installation

B, C bracket installation


Small size fit to detect
the liquid level of the pipe
Pipe size: 8-26mm
Store No: 410640
Non-contact liquid level sensor
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Working volt: 5V/12~24V
Output Amp: 30mA