

XKC-Y26-V Non-Contact Liquid Level Sensor Stick Type Water Detector Switch Liquid Level Sensor 5-24V

XKC-Y26-PNP Non-contact Liquid Level Sensor Detector Pipe Water Level Controller Switch PNP Intelligent Level Adjustment Function

The liquid level sensor has no special requirements for liquid type and container materials and can be widely used.

The installation is simple and does not affect the production.

The output signal is PNP signal.

Specifications:

Product model:XKC-Y26-V(NPN), XKC-Y26-PNP

Input voltage (Vin): DC 5~24V

Output Signal:PNP,NPN

Current consumption: 5mA

Output voltage (high level): Vin

Output voltage (low level): 0V

Output current: 1~100mA

Response time: 500mS

Working environment temperature: 0~85°C

Humidity: 5%~100%

Material: ABS

Waterproof performance: IP65

Size:18 x 13 x 11mm

Cable Length:45cm

Sensitivity :

Pipe outer diameter D(mm) Sensing wall thickness L(mm)

$D \geq 100, L: 20 \pm 2$

$100 > D \geq 80, L: 15 \pm 2$

$80 > D \geq 60, L: 12 \pm 2$

$60 > D \geq 40, L: 7 \pm 1$

$40 > D \geq 30, L: 5 \pm 1$

$30 > D \geq 20, L: 3 \pm 1$

$20 > D \geq 10, L: 1.5 \pm 0.5$

Applicable pipe diameter range: $\geq 10\text{mm}$

Level error: $\pm 1.5\text{mm}$

Description :

Intelligent non-contact type level detector(Hereinafter referred to level detector) adopts advanced signal processing technology and high speed signal processing chip, break through the effects of vessel wall thickness, realized the real non-contact measurement for the level height in the sealed vessel. Level sensor(probe) installed on the top and bottom(the high level and the low level) of the measuring vessel wall, non-metal vessel

do not need to drill a hole, easy installation, good for the production. Can be used for different kinds of toxic, strong acid, strong alkali, and all kinds of level measurement in the high pressure sealed vessel or tank. The application of this product is very wide, no special requirements for liquid media and vessel material.

Product Feature :

1: XKC-Y26-PNP ,XKC-Y26-Vsuitable for non-metal pipe wall, and do not need to contact the liquid, will not corrode by strong acid, strong alkali, and other corrosive liquid. Will not affected by incrustation or other impurities.

2: Intelligent level adjustment and level memory function, level status display method, can realize multi points series connection,

It achieves non-contact detection of the liquid level in the closed container.

The liquid level sensor is installed on the upper and lower sides of the container (the liquid level is high and low)

The non-metallic container does not need to open the hole.

Can detect the level of various toxic substances, strong acids, alkalis and various liquids in high pressure airtight containers.

Package include:

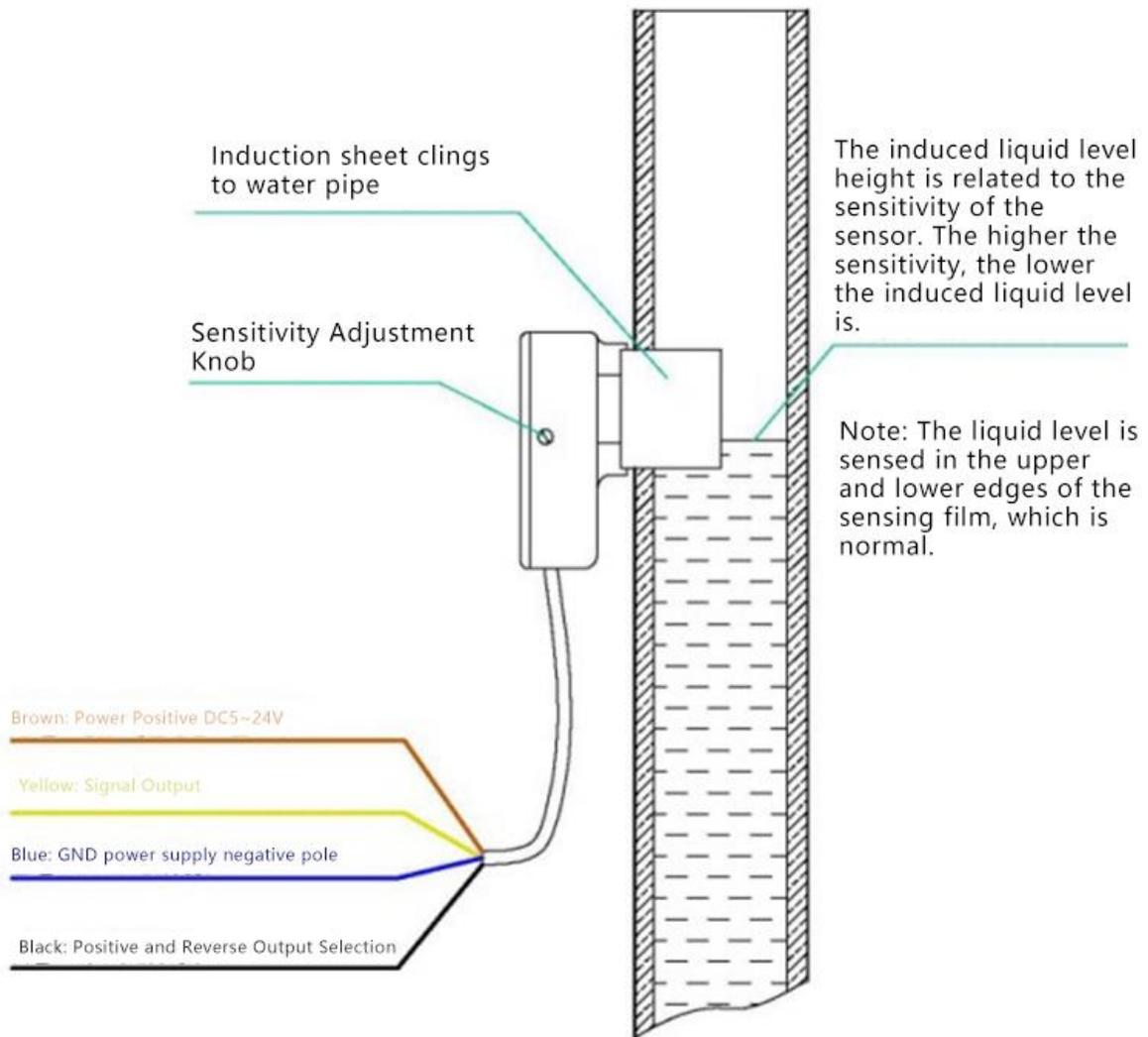
1 x Non-contact Liquid Level Sensor

1 x Fixed belt

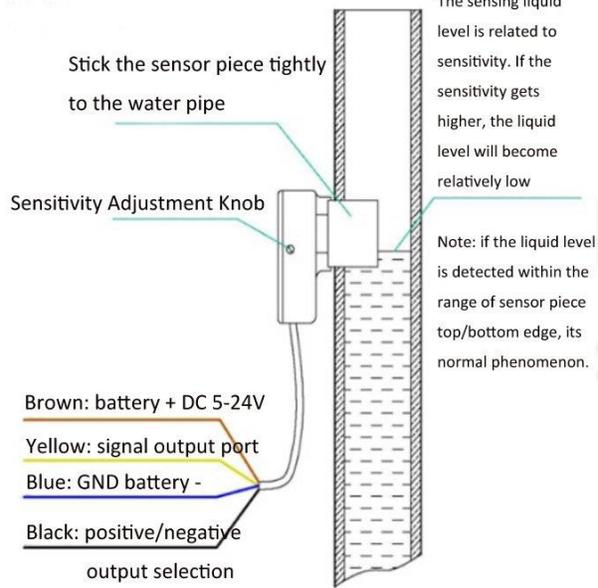
Output: High and Low Level

Input: 5-24V





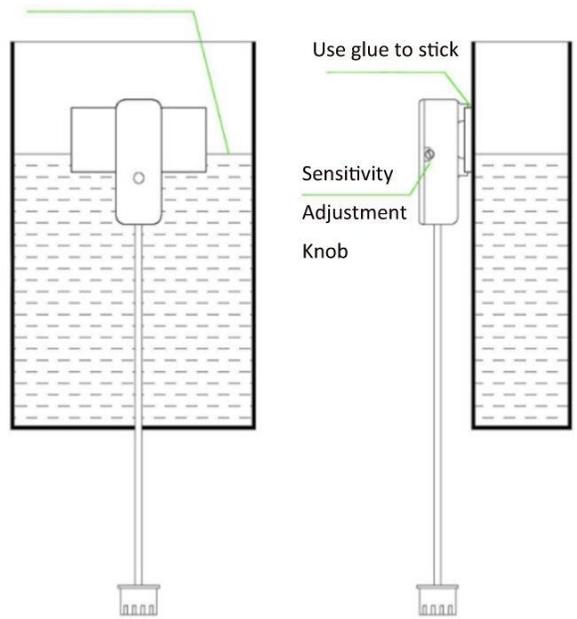
Installation Way and Requirements



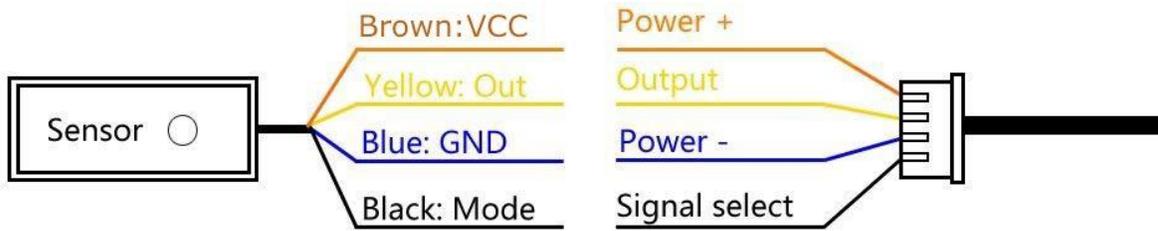
The sensing liquid level is related to sensitivity. If the sensitivity gets higher, the liquid level will become relatively low

Note: if the liquid level is detected within the range of sensor piece top/bottom edge, its normal phenomenon.

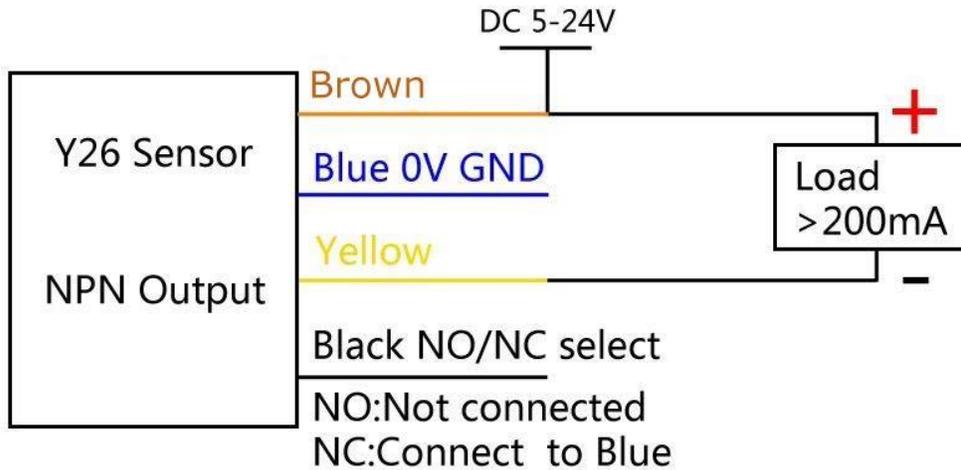
The sensing liquid level height is related to sensitivity







Forward/NO Output: Black Hanging;
 Reverse/NC Output: Black connect to Blue cable.



NPN Output: Received an induction signal and output a low level.

NO: The sensor senses the liquid level and outputs a low level.

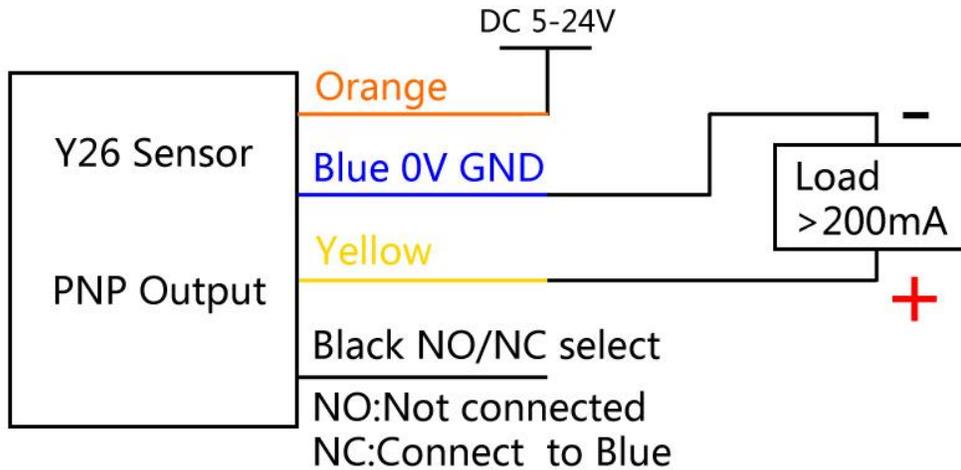
NC: The sensor does not sense the liquid level and outputs a low level.

NOTE:

1. The Load can be Relay, Buzzer, Speaker, LED indicator;
2. The maximum output current is 200mA;
3. Pay attention to the polarity of the load and power supply.



Forward/NO Output: Black Hanging;
 Reverse/NC Output: Black connect to Blue cable.



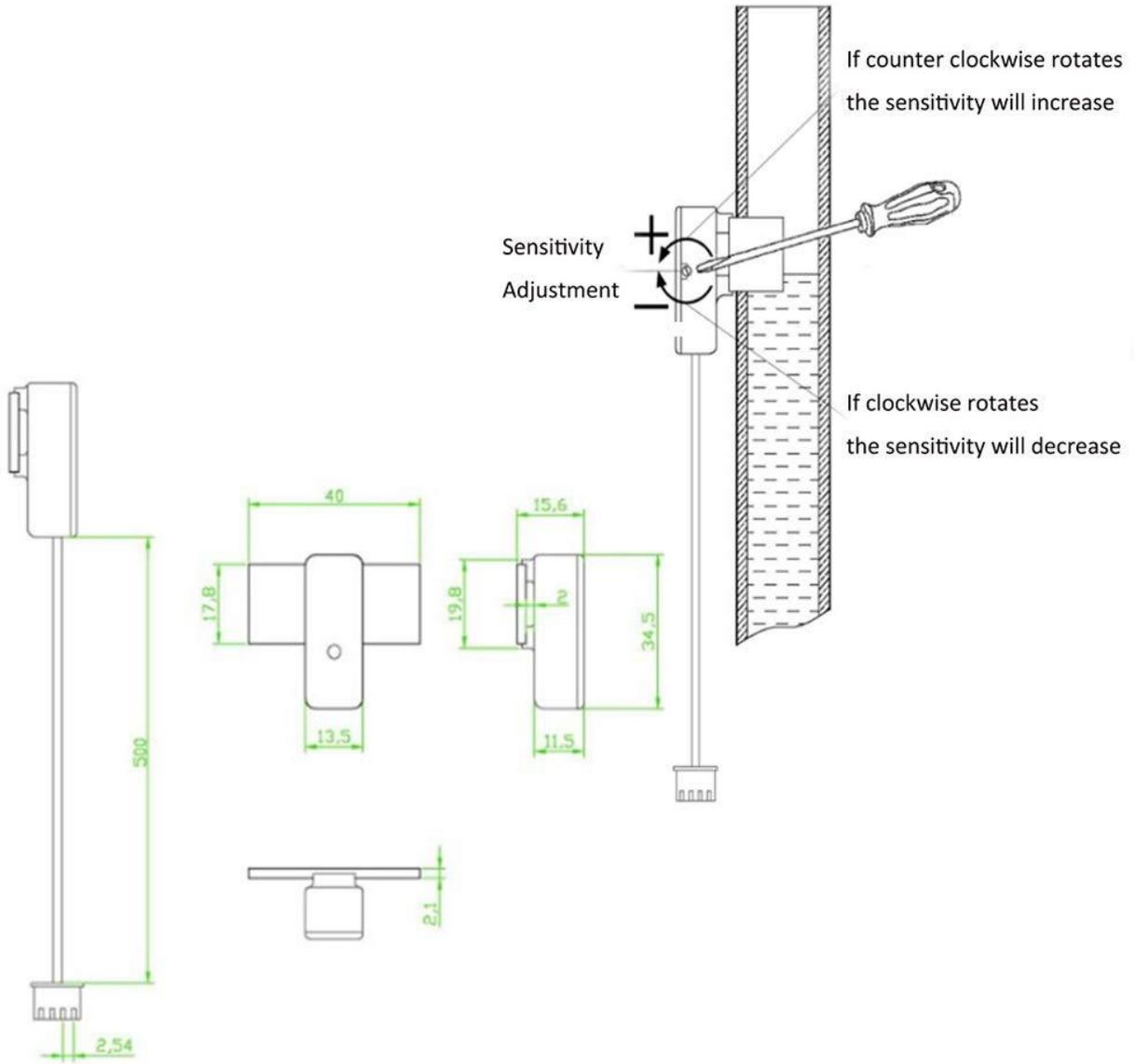
PNP Output: Received an induction signal and output high level.

NO:The sensor senses the liquid level and outputs high level.

NC:The sensor does not sense the liquid level and outputs a high level.

NOTE:

- 1.The Load can be Relay,Buzzer,Speaker,LED indicator;
- 2.The maximum output current is 200mA;
- 3.Pay attention to the polarity of the load and power supply.















1.36"

1.57"





45cm/18.11"

18mm/0.71"

13mm/0.51"

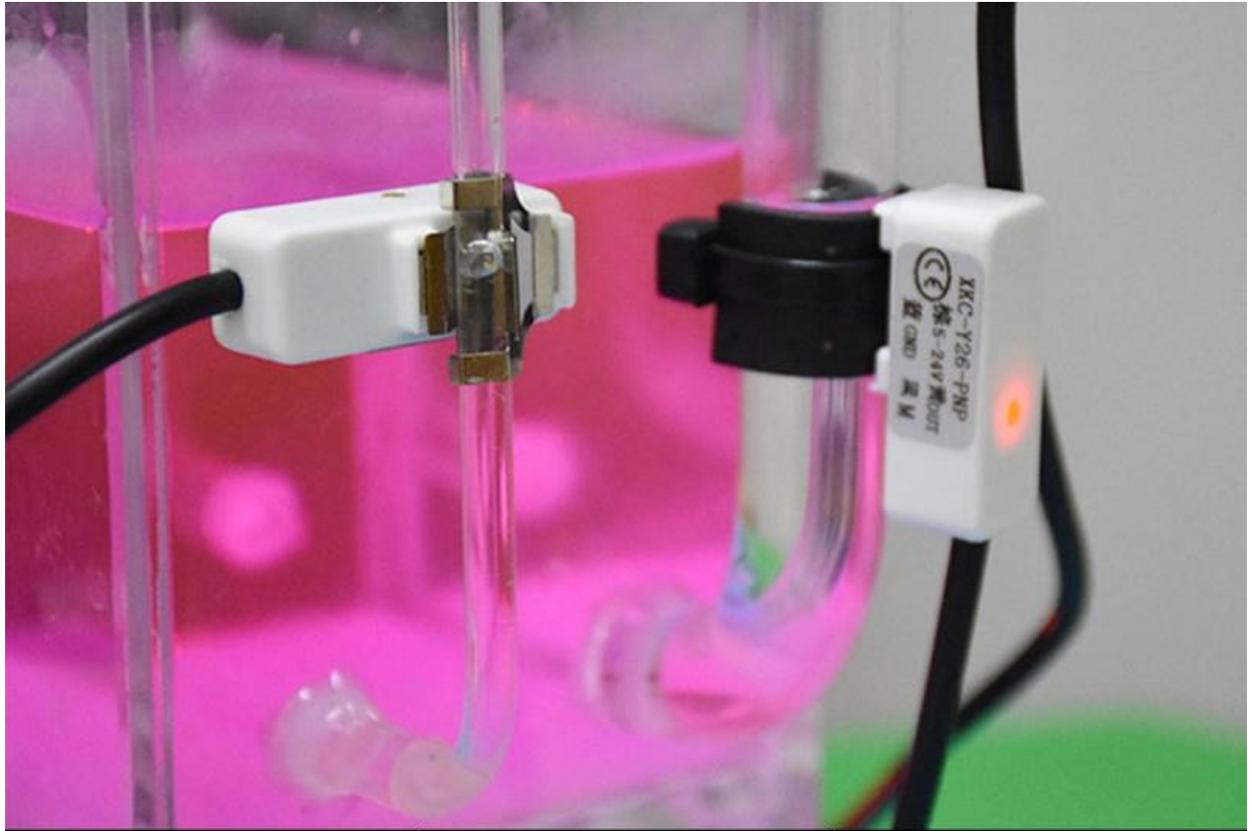
11mm/0.43"

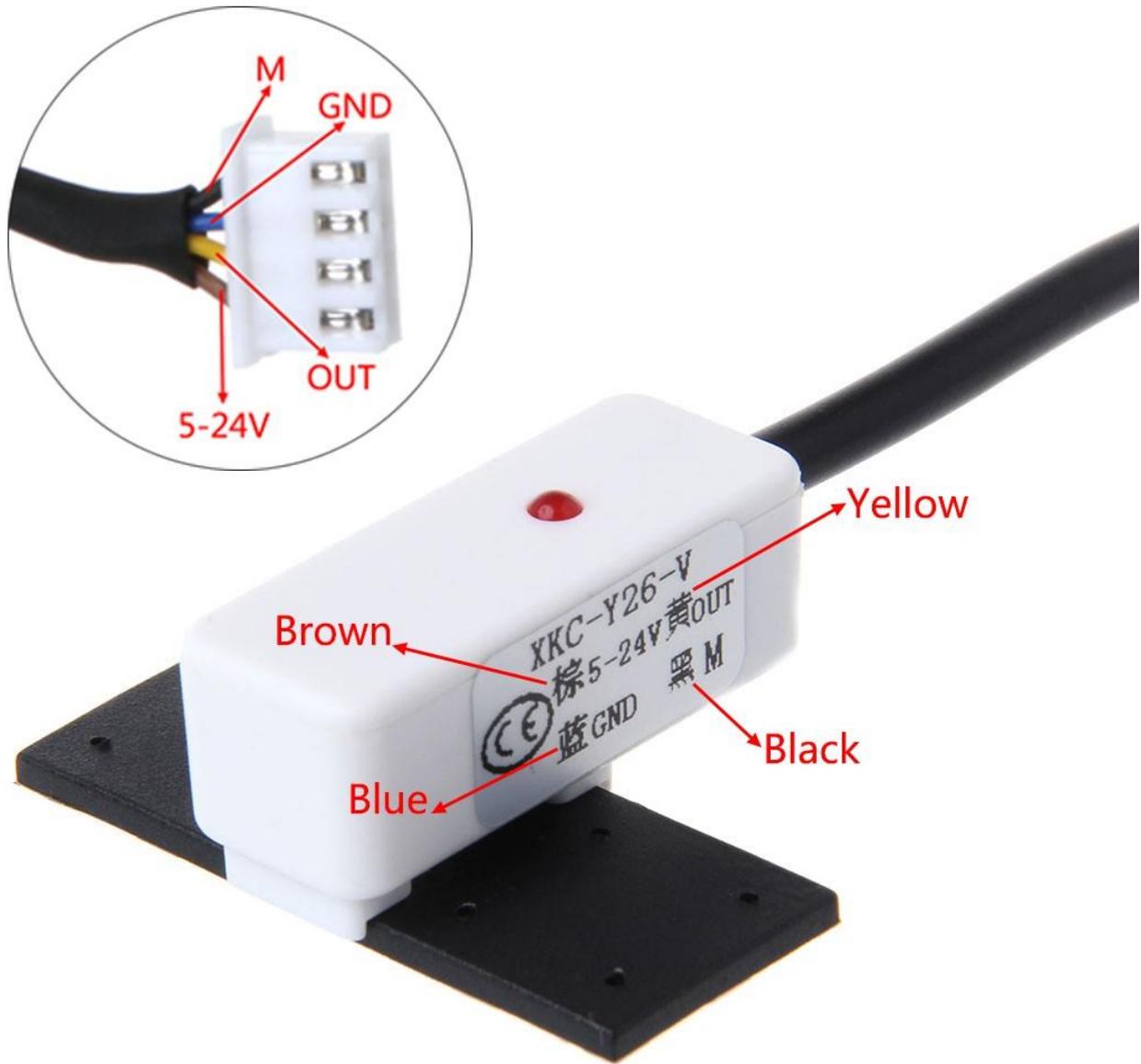
42mm/1.65"

34mm/1.34"

XKC-Y26-PNP
棕 5-24V 黄OUT
蓝 GND 黑 M







Water Level Detector XKC-Y26A-V Liquid Level Sensor 5~24V High and Low Level Signal Output IP65 Capacitive Non-Contact

Water Level Detector XKC-Y26A-V Liquid Level Sensor 5~24V High and Low Level Signal Output IP65 Capacitive Non-Contact

Feature:

1. The sensor is suitable for the outer wall of non-metallic pipe without direct contact with liquid, and will not be corroded by corrosive liquid such as strong acid and alkali, and is not affected by scale or other debris.
2. Intelligent liquid level reference adjustment and liquid level memory function, liquid level status display mode, can realize multi-point series connection.
3. The detection is accurate and stable, and the boiling water level can be detected.
4. Pure electronic circuit structure, non-mechanical working mode, stable performance and longevity.
5. Strong compatibility, penetrating various non-metallic container pipes, such as plastic, glass, ceramics, etc., induction pipe diameter 3~10mm; suitable for all kinds of plastic pipes, rubber pipes, nylon pipes, glass pipe pipes Level detection.
6. Wide voltage range (5~24V), suitable for connecting various circuits and product applications.
7. High stability, high sensitivity, strong interference capability, free from external electromagnetic interference, special treatment for power frequency interference and common mode interference, to be compatible with all 5~24V power adapters on the market.

Specification:

Item Type:Liquid Level Sensor
Working Voltage: 5-24 (V)
Induction Principle: Capacitive Liquid Level Sensing
Output Form: High and Low Level Signal
Scope Of Application: Liquid Sensing In Various Containers
Model: XKC-Y26A-V
Output Voltage (High Level): Vin
Output Voltage (Low Level): 0V
Response Time: 500mS
Output Current: 1~100mA
Working Environment Temperature: 0~75°C
Diameter Range Of The Pipe Used: 3~10mm
Level Error: ±2mm
Humidity: 5%~100%
Material : ABS
Waterproof Performance: IP65

Package List:

1 x Sensor





XKC-Y26A-V
棕5-24V黄OUT
蓝GND 黑M

注意：

- 1、本产品适用于外径3~10MM的管道，最大不得超过11MM
- 2、弹簧片最大张开角度不得超过60°

