



DENWA Smart WiFi level sensor DS210-WLS

Manual V2.1

1.Defination

Wifi: Between sensor and router(max 50m no obstacle)

Touch Key (☺): Press 5 seconds for WiFi connection

LED: WiFi status

WiFi Config: Led light flashes

WiFi Connected: Led light on

WiFi Not Connected: Led light off

Adaptor: AC 110V~240V

Sensor power supply: ≤100mA@ 5V DC

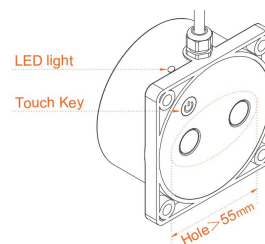
Network mode: 2.4G WiFi

Level Range: 0.1m~4m

Accuracy: ± 0.02m

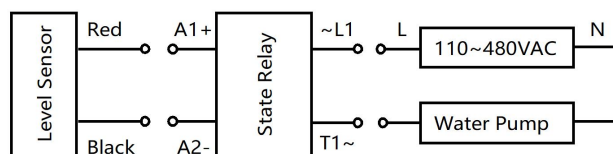
Operation Temperature: -20℃~70℃

Protection: IP65



2.Wiring

Electrical Definition



3.Connection

1. Power on the AC/DC ADAPTOR first, and then power on the sensor.
2. Scan code to download "TUYA Smart APP" or "Smart Life APP" on mobile device.

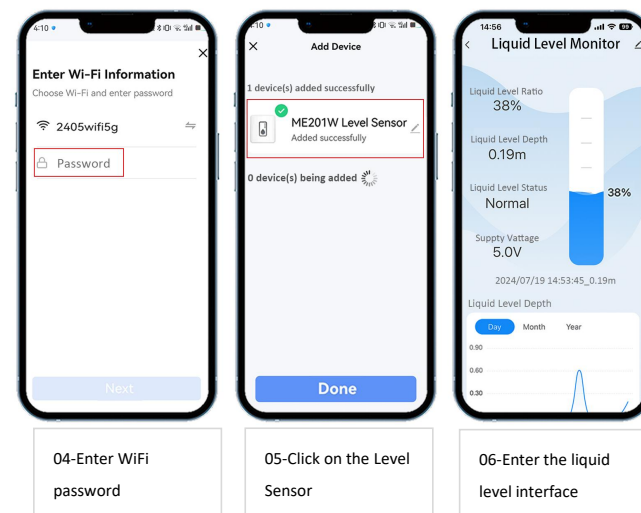
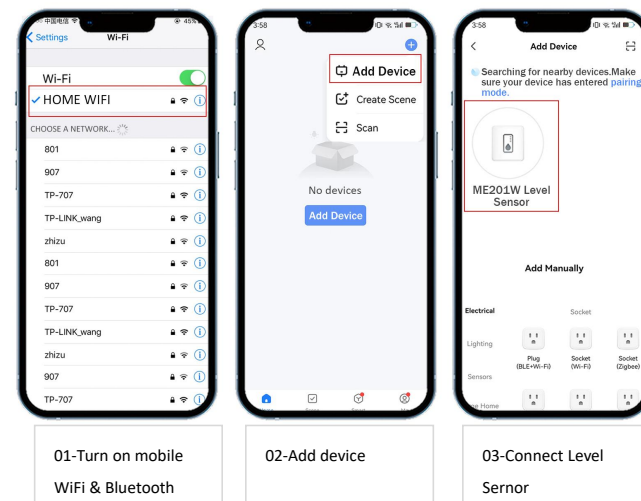


3. Network Reset

Press and hold the button for 5s, the led light flashes rapidly, then release the button, the network reset, the device connect to the network automatically.

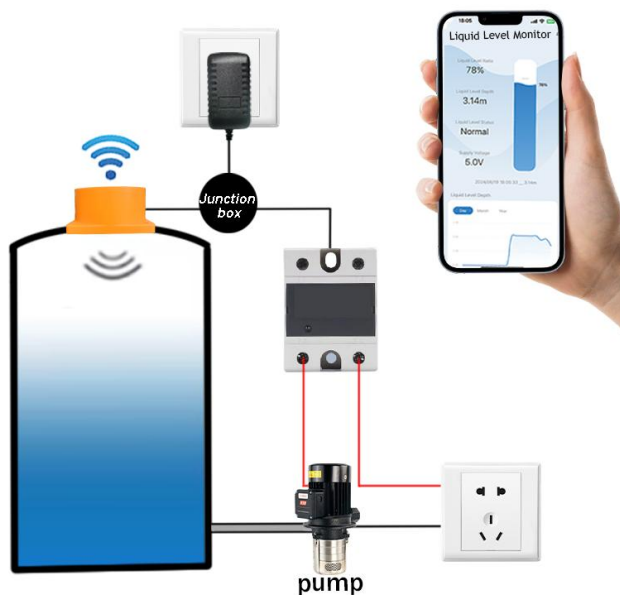
4.Connecting Sensors to APP.

Turn on the WiFi and Bluetooth of your phone, enter the app and add device.



*Note:

1. WiFi frequency can only be 2.4GHz, not 5GHz;
2. When adding a device, make sure that the sensor and the phone are connected to the same WiFi. After the setting is complete, the indicator must work under steady light. If the phone cannot find the device or fails to connect to the device, hold down the button for 5s until the indicator flashes



to add the device again.

4.Setting

1. **Installation height:** Set the distance from sensor to tank bottom (**A**);
2. **Liquid maximum depth:** Maximum height of liquid in tank (**B**);
3. **Set Max:** Set Max for high level alarm (**Actual liquid level value C**);
4. **Set Min:** Set Min for low level alarm;
5. **Auto Pump Control:**

Level sensor automatically control the pump;

On-Auto(Default): Full and low alarm values control pump automatically

Off-Manual: Full and low alarm values do not control pumps automatically

6. The pump working mode is Supply (Refilling Waster) by default;

Pump Mode:

On-Supply(Default): Full alarm turns pump off, low alarm turns pump on

Off-Drainage: Low alarm turns pump off, full alarm turns pump on

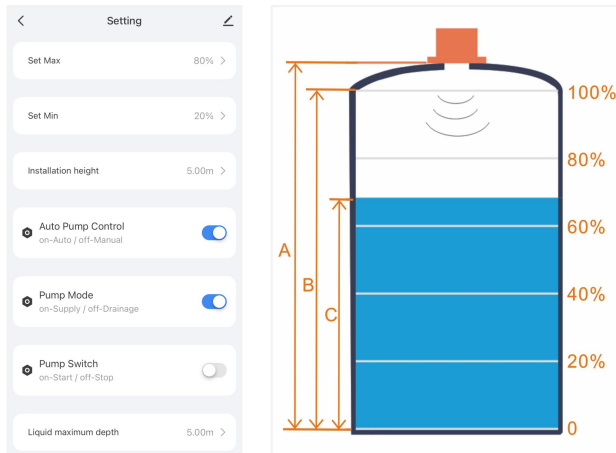
7. **Pump Switch:**

On-Start: Turn on the pump manually

Off-Stop(Default): Turn off the pump manually

***Note:**

When the Auto Pump Control is turned on, the Pump Switch is automatically updated for aging.

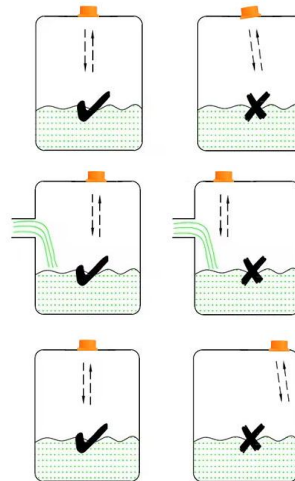
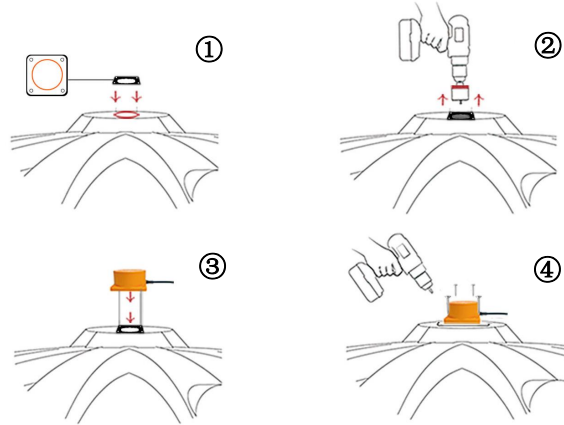


5.Installation

1. Remove the release paper from the gasket, and attach the gasket to the center of the tank where the hole will be drilled.

2. Drill a hole right in the middle of the tank with a diameter of >55mm;
3. Place the sensor over the gasket, Keeping it aligned with the screw holes. unobstructed;
4. Fasten the sensor with a self-tapping screw.

***Note:** If the mounting surface is curved, it is sufficient to fix the sensor with screws just, prevent the sensor from being stressed; when the data is abnormal, the screws must be loosened.

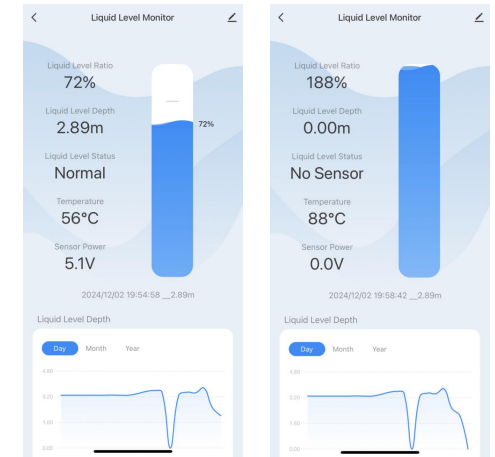


☒ Hold the sensor perpendicular to the liquid

☒ Install the sensor away from the water inlet to avoid pseudo-echo

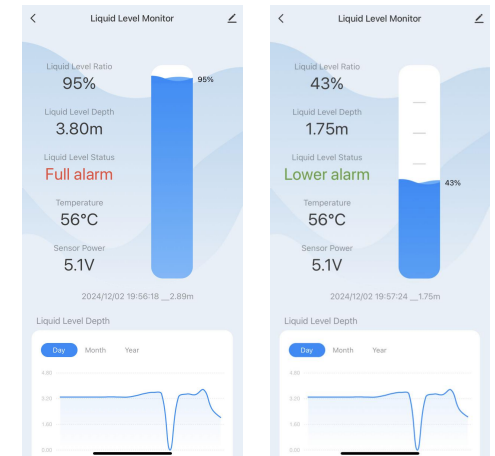
☒ The sensor installation cannot be close to the bulkhead, otherwise it will cause a strong pseudo-echo

6.APP Interface



Normal

No Sensor



Full Alarm

Low Alarm