

## USER MANUAL



### 1. OVERVIEW

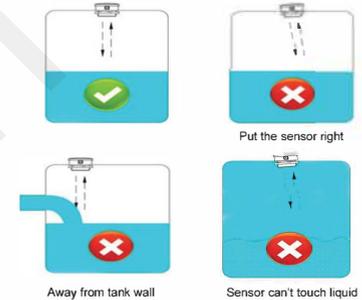
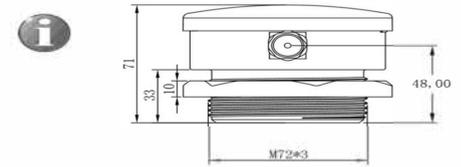
Thank you for purchasing the Wireless Ultrasonic Liquid Sensor with Tuya App Display. The ultrasonic level sensor measures the level without contact with the liquid. The sensor sends an ultrasonic signal, which is reflected back from the liquid surface. The fill level can thus be determined. The sensor can be used for oil and water tanks.



- ◆ Can be used for various liquids, since the ultrasonic sensor does not result in direct liquid contact
- ◆ Detect Range: 10cm to 2.9m can measure high tanks.
- ◆ High and Low liquid alarm function
- ◆ Ideal for retrofitting water/oil tanks
- ◆ Be able to monitor several tanks in one time.

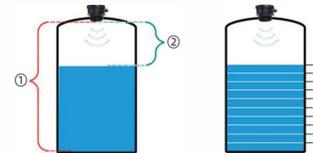
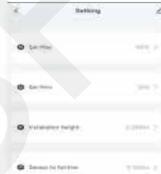
### 2. MOUNT THE SENSOR ON THE TANK

The sensor should be in the middle of the tank and not on a liquid inlet. This can falsify the measurement result. Please refer to the following pictures for the best installation positions. The hole should be 72mm.



### 4. SETTING

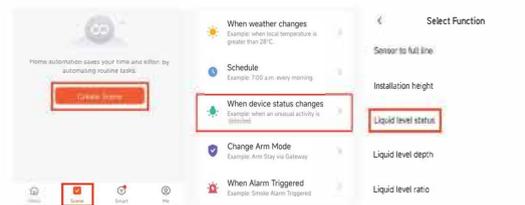
- 1) Set Installation height ①  
It is distance from sensor to tank bottom
- 2) Set sensor to liquid full line ②  
It is distance from sensor to full line
- 3) Set Max for full level alarm
- 4) Set Min for low level alarm



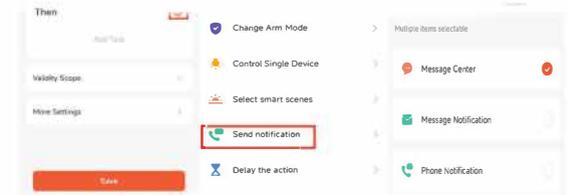
Note: The installation height is different with tank height because the sensor may be install over the tank height.

#### 5) Set Alarm

Go back to the home page, click "Scenes",



Create Scenes      When device status changes      Liquid level status



Click "+"      Send notification      Message Center - Save  
Edit the scene name, and click "Confirm".

### 5. SAFETY INSTRUCTIONS

In particular, the product must not be used in the following cases and for the following purposes: Potentially explosive environment - When operating in potentially explosive areas, sparking can lead to deflagration, fire or explosions



- ◆ Use as a safety device - The product does not replace the function of a limit indicator on the heating oil tank
- ◆ Use with aggressive liquids
- ◆ Use as overflow protection
- ◆ Use for billing purposes (the product is not calibrated)
- ◆ In connection with products that directly or indirectly serve human, health or life-saving purposes, or the operation of which may pose a risk to people, animals or property

### 3. CONNECTION

1) Download "TUYA Smart APP" or "Smart Life APP" directly in the app store of mobile devices.



2) Led and button on sensor

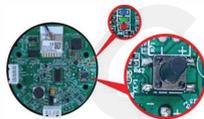
Red LED on/off: Power

Green LED on/off: wifi connection indicator

Press the button for 5s to connect wifi

Blue LED on/off: Mobile connection indicator;

3) Turn on the Bluetooth on the mobile phone and open the APP "TUYA Smart" or "Smart Life".



Click Home - Add Device      Select Device      Enter WiFi account password

Note: WiFi frequency can only be 2.4GHz, not 5GHz.

When adding device, make sure that the sensor and the mobile are connected to the same WIFI.

After setting, the sensors must work under wifi. If the mobile phone can't find the device or fails to connect the device, please click the PCB button twice to add the device again