

# Installation Manual for Tuya Wireless Ultrasonic Liquid Sensor using the Smart Life App

## Step 1: Download the Smart Life App

1. Open your mobile app store (Google Play Store for Android or App Store for iOS).
2. Search for "Smart Life" and download the app.
3. Once downloaded, open the app and sign up for a new account or log in if you already have one.

## Step 2: Set Up the Sensor

1. Ensure the Tuya Wireless Ultrasonic Liquid Sensor is powered on.
2. Open the Smart Life app and tap the "+" icon to add a new device.
3. Select "Add Manually" and choose "Sensor" from the list of device types.
4. Follow the on-screen instructions to connect the sensor to your Wi-Fi network. Make sure your phone is connected to the same Wi-Fi network.

## Step 3: Configure the Sensor

1. Once the sensor is connected, it will appear in the device list on the Smart Life app.
2. Tap on the sensor to access its settings and see below.

When setting up the tank installation height for your Tuya Wireless Ultrasonic Liquid Sensor, follow these guidelines:

## Set Installation Height

1. **Determine the Installation Height:** The installation height is the distance from the sensor to the bottom of the tank. Note that this height is different from the tank height because the sensor may be installed above the tank height. The maximum installation height for this sensor is **2.9 meters**.
2. **Set the Sensor to Liquid Full Line:** This is the distance from the sensor to the full line of the liquid. Ensure that the blind zone is **0.1 meters** and it can't be smaller than this.
3. **Configure Max and Min Levels:** Set the maximum level for the full level alarm and the minimum level for the low level alarm<sup>1</sup>.
4. **Positioning the Sensor:** The sensor should be placed in the middle of the tank and not on a liquid inlet to avoid falsifying the measurement result.

## Set Sensor to Full Line in the Tank

To set the sensor to the liquid full line in the tank, follow these steps:

1. **Determine the Full Line Height:** Measure the distance from the sensor to the full line of the liquid in the tank. This is the height at which the liquid is considered full.
2. **Access Sensor Settings:** Open the Smart Life app and navigate to the settings of your Tuya Wireless Ultrasonic Liquid Sensor.
3. **Set the Full Line Height:** In the sensor settings, find the option to set the full line height. Enter the measured distance from the sensor to the full line of the liquid.
4. **Save Settings:** Make sure to save the settings after entering the full line height.

### Step 4: Test the Sensor

1. Place the sensor in the desired location where you want to monitor the liquid level.
2. Check the Smart Life app to ensure the sensor is providing accurate readings.
3. Test the alert system by simulating different liquid levels and ensuring you receive notifications on your phone.

### Step 5: Maintenance and Troubleshooting

1. Regularly check the sensor to ensure it is clean and functioning properly.
2. If you encounter any issues, refer to the troubleshooting section in the Smart Life app or contact Tuya support for assistance.

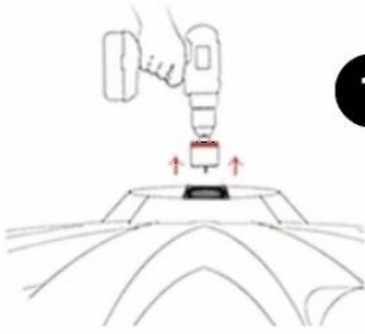
## Configuring Alerts for Tuya Wireless Ultrasonic Liquid Sensor using the Smart Life App

To configure alerts for your Tuya Wireless Ultrasonic Liquid Sensor using the Smart Life App, follow these steps:

1. **Open the Smart Life App:** Launch the Smart Life app on your mobile device and ensure you are logged in.
2. **Access the Sensor Settings:** Navigate to the device list and select your Tuya Wireless Ultrasonic Liquid Sensor.
3. **Configure Alerts:**
  - **Set Alert Levels:** Within the sensor settings, you can set specific liquid levels at which you want to receive alerts. For example, you can set an alert for when the liquid level drops below 10% or rises above 90%.
  - **Notification Preferences:** Choose how you want to be notified. You can opt for push notifications, email alerts, or both.
  - **Alert Frequency:** Decide how often you want to receive alerts. You can set it to notify you immediately when the liquid level changes or at regular intervals.

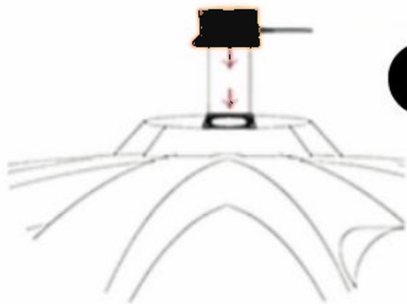
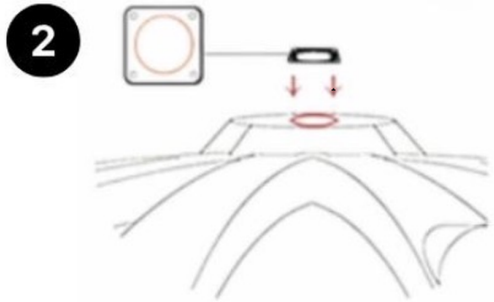
4. **Save Settings:** Once you have configured your alert preferences, make sure to save the settings.
5. **Test Alerts:** To ensure the alerts are working correctly, simulate different liquid levels and check if you receive notifications as expected.

# EASY INSTALLATION



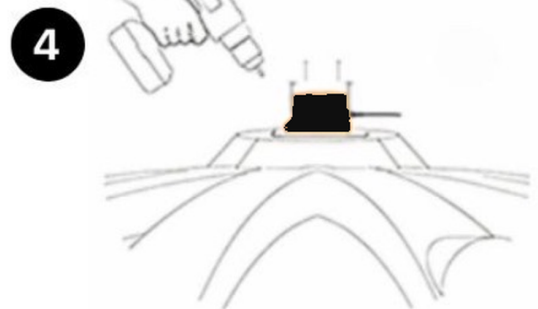
- 1** Drill a hole with diameter of at least 55mm where the sensor will be installed.

Remove the backing paper from the gasket and attach the gasket to the tank over the hole just drilled

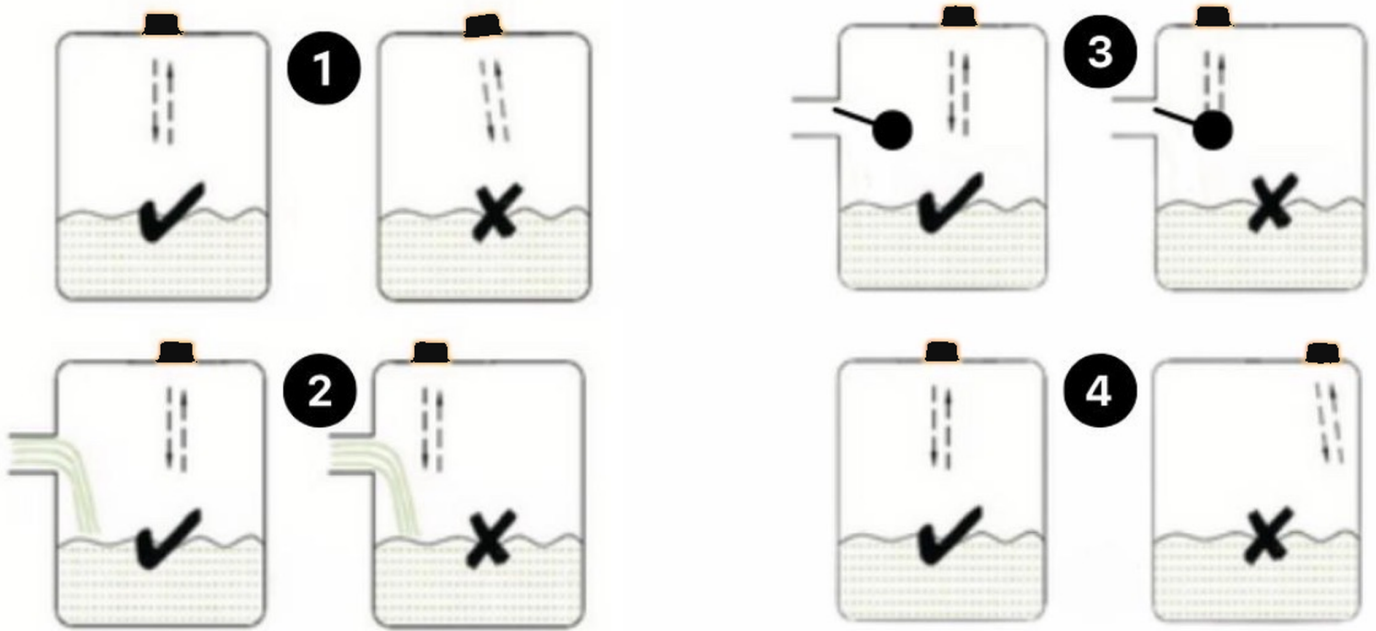


- 3** Place the sensor over the gasket, keeping it aligned with the screw holes

Fasten the sensor with self-tapping screws provided

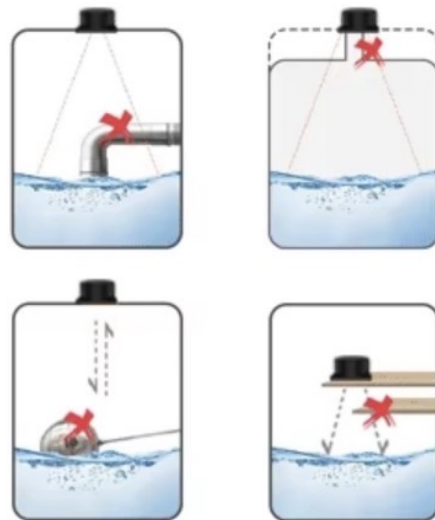
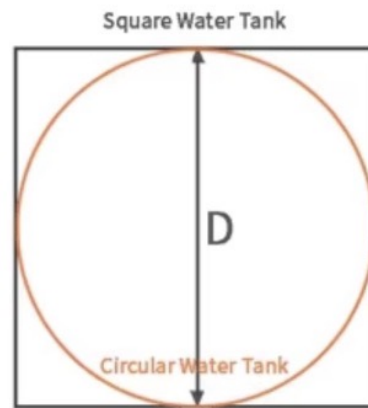
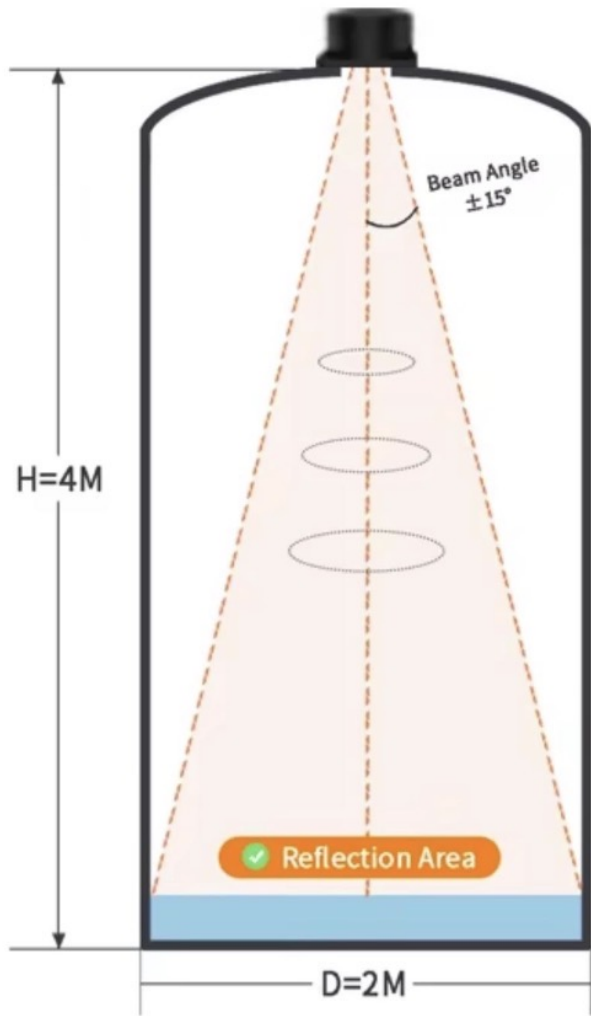


# SENSOR POSITIONING



Find a suitable position for the sensor to be installed and mark the location (preferably on the lid) keeping in mind:

1. Sensor should be level
2. Sensor should be away from water inlet to avoid pseudo-echo
3. Sensor should not be right above other devices such as a float valve ball
4. Sensor cannot be close to bulkhead to avoid pseudo-echo



- |   |      |          |
|---|------|----------|
| 1 | H=4m | D > 2m   |
| 2 | H=3m | D > 1.6m |
| 3 | H=2m | D > 1.1m |

**Note:**

There should not be any obstacles in the reflective area of the sensor.