Mengshen MS-AF19

Mengshen MS-AF19 WiFi Water Leak & Water Level Detector User Manual

Model: MS-AF19 | Brand: Mengshen

1. Introduction

The Mengshen MS-AF19 is a versatile 2-in-1 smart sensor designed for comprehensive water monitoring. It accurately detects both water leaks and specific water levels, providing timely alerts to help prevent potential damage. This device connects to your home's 2.4G WiFi network, enabling real-time notifications through the 'Smartlife' or Tuya Smart mobile application. Additionally, it features a loud 100 dB audible alarm to ensure immediate awareness of any detected water events. The sensor is ideal for use in various locations such as basements, laundry rooms, bathrooms, near water heaters, or for monitoring water levels in swimming pools, fish tanks, and aquariums.

2. Product Overview

The Mengshen MS-AF19 detector consists of a main unit and two distinct probes: a water leak probe and a water level probe. The main unit houses the alarm speaker, an LED indicator, and a control button. It is powered by two AAA batteries.

2.1 Components

- **Main Unit:** Contains the alarm, LED indicator, control button, and battery compartment.
- **Water Leak Probe:** A flat sensor with multiple contact pads designed to detect the presence of water on a surface.
- **Water Level Probe:** A float switch sensor designed to detect when water reaches a specific high or low level.
- **Detection Line:** A 6.5-foot cable connecting the probes to the main unit.
- **Mounting Accessories:** Includes screws and double-sided tape for installation.
- **Batteries:** 2 AAA batteries (included).

2.2 Product Diagram



Figure 1: Mengshen MS-AF19 Detector with both probes and app interface.

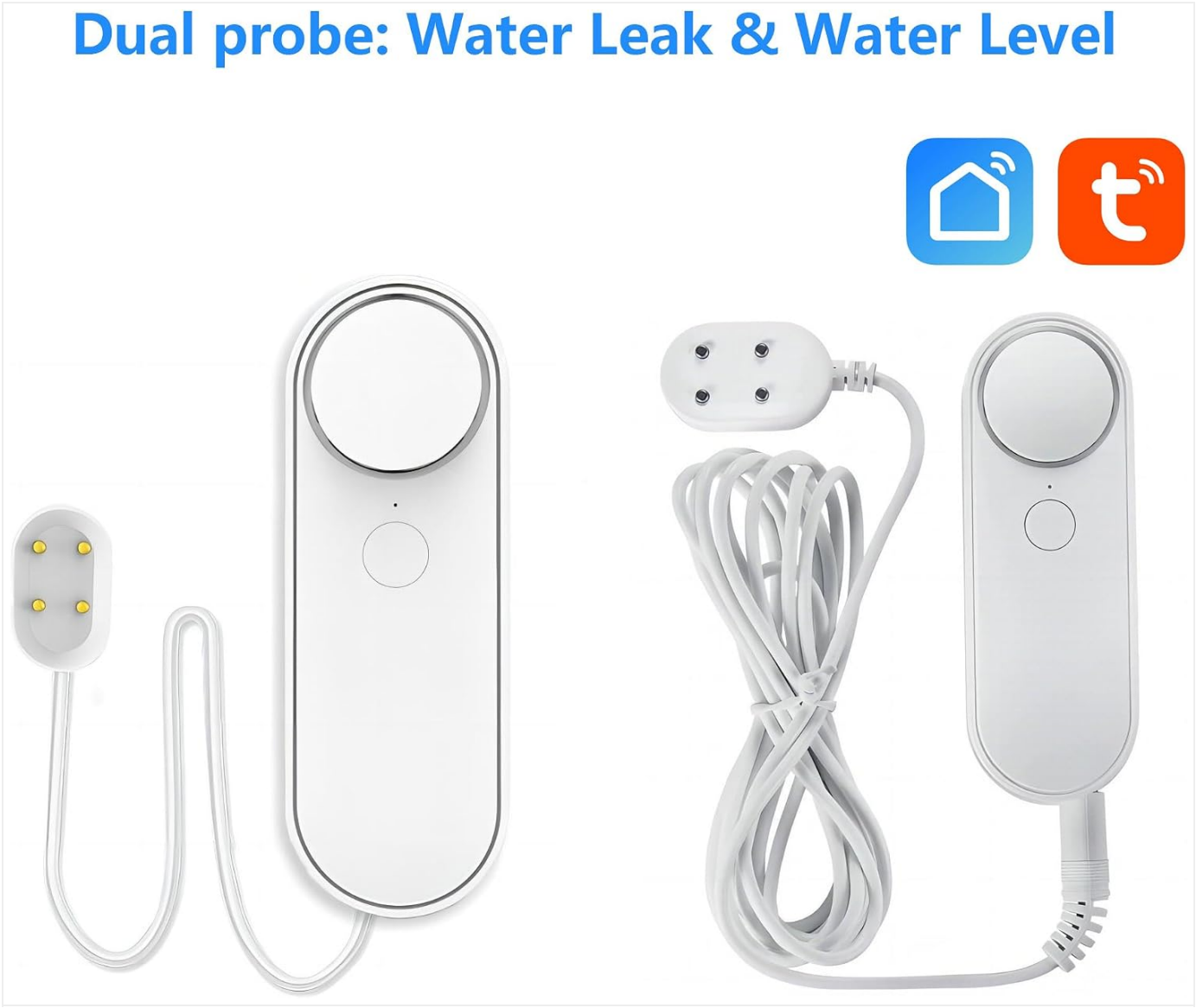


Figure 2: Dual probe design for water leak and water level detection.

3. Setup

3.1 Battery Installation

1. Remove the back cover of the main unit.
2. Insert two AAA batteries into the battery compartment, ensuring correct polarity.
3. Replace the back cover, ensuring it clicks securely into place.

3.2 Sensor Connection

Connect both the water leak probe and the water level probe to the designated ports at the bottom of the main unit. The blue LED on the main unit will illuminate upon successful connection.

3.3 App Download and Pairing

1. Download the 'Smartlife' or Tuya Smart app from your mobile device's app store.
2. Register or log in to your account.
3. Add a new device in the app and select the appropriate sensor type.
4. Follow the in-app instructions to connect the device to your 2.4G WiFi network. This typically involves pressing and holding the control button on the main unit until the LED indicator blinks, signaling pairing mode.

3.4 Mounting the Main Unit and Probes

The main unit can be mounted to a wall using the provided screws or double-sided tape. Position the water leak probe on a flat surface where water leaks are likely to occur (e.g., under a sink, near a washing machine). For water level detection, position the float switch probe at the desired high or low water level within a container (e.g., fish tank, sump pump basin). Ensure the float can move freely to trigger the alarm.

Your browser does not support the video tag.

Video 1: This video demonstrates the battery installation, sensor connection, and basic testing of the Mengshen MS-AF19 detector's float and contact sensors. It shows how the alarm is triggered by both types of sensors.

4. Operating Instructions

Once set up and connected to the app, the Mengshen MS-AF19 operates automatically to monitor for water leaks and changes in water level.

4.1 Water Leak Detection

When the water leak probe's contact pads come into contact with water, the device will immediately trigger a loud 100 dB alarm. Simultaneously, a real-time notification will be sent to your 'Smartlife' or Tuya Smart app, alerting you to the leak.

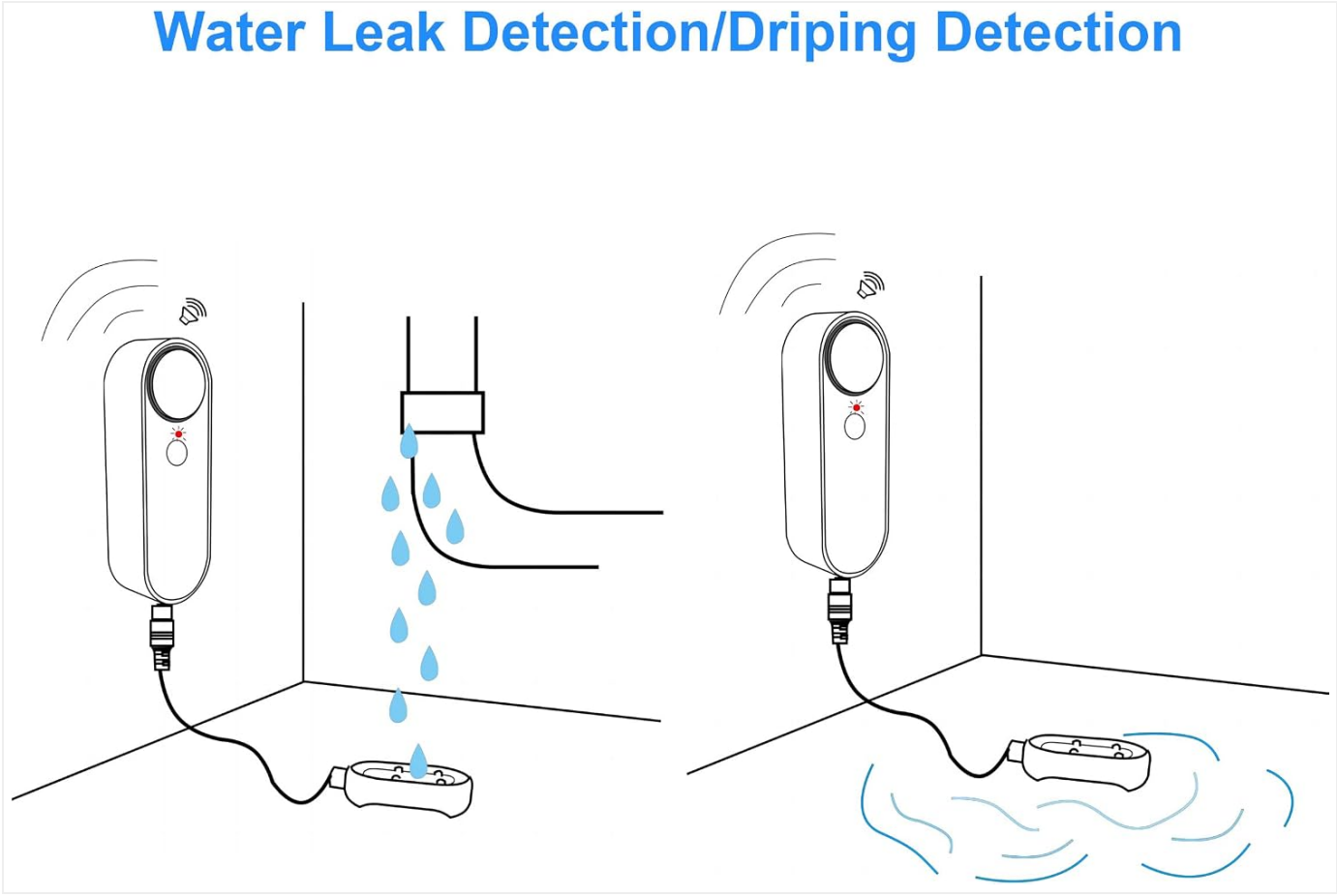


Figure 3: Water leak detection in action.

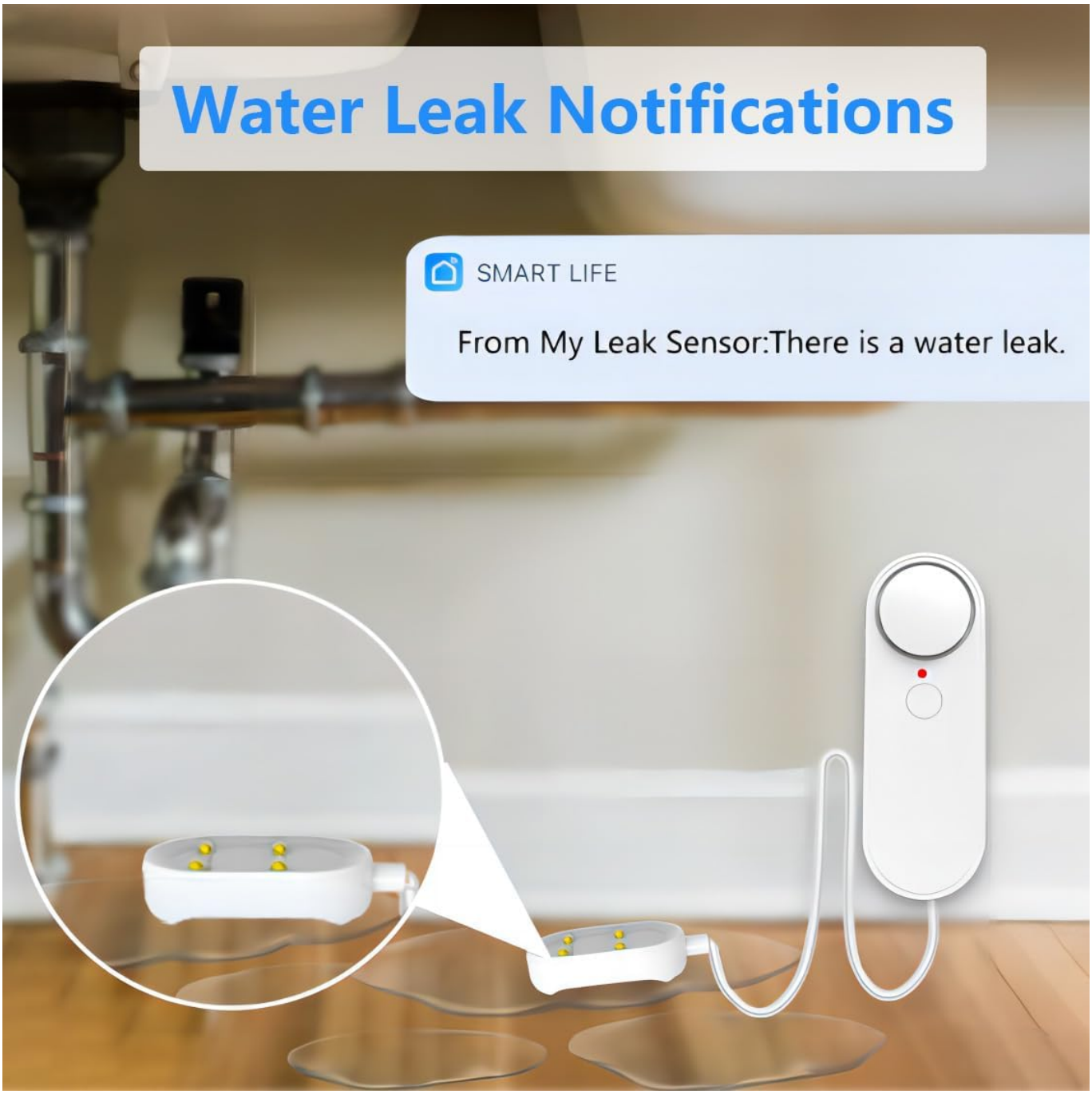


Figure 4: App notification for a detected water leak.

4.2 Water Level Detection

The water level probe utilizes a float switch mechanism. When the water level rises or falls to the point where the float changes its position (as configured during setup), the device will activate the 100 dB alarm and send an instant alert to your mobile app. This allows you to monitor water levels in tanks, sumps, or other containers.

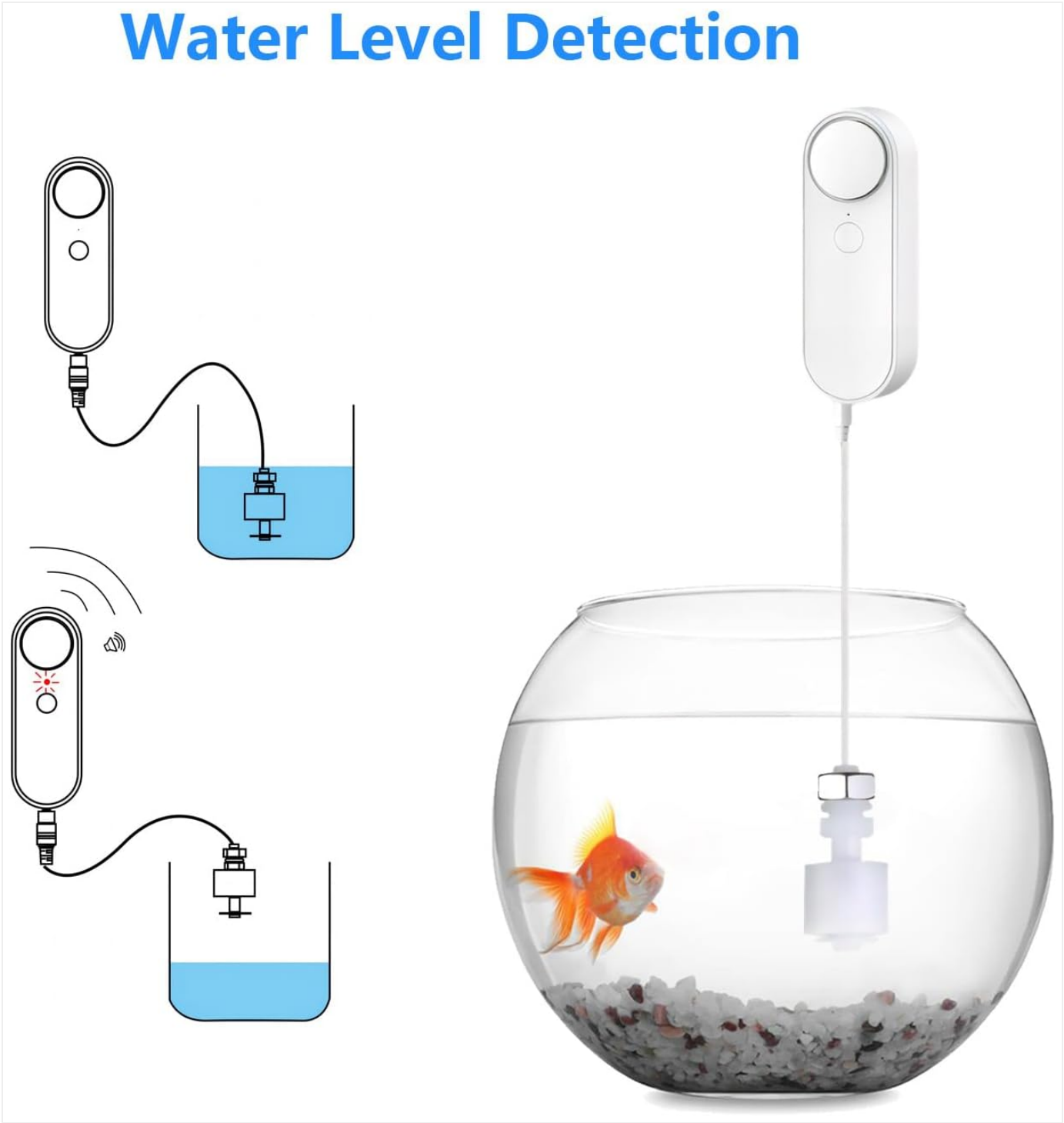


Figure 5: Water level detection using the float switch probe.

4.3 Alarm Volume Adjustment

The alarm volume can be adjusted directly through the 'Smartlife' or Tuya Smart app. Options typically include High, Mid, Low, and Mute, allowing you to customize the alert level to your preference.

4.4 Low Battery Alerts

The device is designed to notify you when its batteries are running low. A low battery alert will be pushed to your app, and the main unit will emit a beep every minute, ensuring you have ample time to replace the batteries.

4.5 Wide Applications

The dual functionality of the Mengshen MS-AF19 makes it suitable for a variety of applications, including:

- Monitoring water leaks in laundry rooms, bathrooms, and basements.

- Detecting water levels in swimming pools, fish tanks, aquariums, and water towers.
- Protecting valuable belongings from water damage.



Figure 6: Examples of common applications for the water detector.

5. Maintenance

To ensure optimal performance and longevity of your Mengshen MS-AF19 detector, regular maintenance is recommended:

- **Battery Replacement:** Replace the two AAA batteries when a low battery alert is received. Use high-quality alkaline batteries for best results.
- **Sensor Cleaning:** Periodically inspect and clean the water leak probe's contact pads and the water level probe's float mechanism. Ensure they are free from dirt, debris, or mineral buildup that could affect their sensitivity. Use a soft, damp cloth for cleaning.
- **Functionality Test:** Regularly test the alarm functionality by briefly exposing the water leak probe to a small amount of water or by manually triggering the water level float. This confirms the device is operating correctly and connected to your app.

- **Firmware Updates:** Check the 'Smartlife' or Tuya Smart app periodically for any available firmware updates for your device. Updates can improve performance and add new features.

6. Troubleshooting

If you encounter issues with your Mengshen MS-AF19 detector, refer to the following troubleshooting tips:

- **No Alarm or App Notification:**
  - Check if the batteries are correctly installed and not depleted. Replace if necessary.
  - Ensure both probes are securely connected to the main unit.
  - Verify that the device is connected to your 2.4G WiFi network and has a stable connection.
  - Check your 'Smartlife' or Tuya Smart app settings to ensure notifications are enabled.
- **False Alarms:**
  - For the water leak probe, ensure it is placed on a dry, stable surface. Condensation or high humidity might trigger false alarms.
  - For the water level probe, ensure the float mechanism is not obstructed and moves freely.
  - Clean the sensors as described in the Maintenance section.
- **Connectivity Issues:**
  - Confirm your WiFi network is 2.4G. The device does not support 5G WiFi.
  - Ensure the device is within range of your WiFi router.
  - Try resetting the device and re-pairing it with the app. Refer to the app's instructions for the reset procedure.
- **Alarm Volume Too Low/High:** Adjust the volume settings within the 'Smartlife' or Tuya Smart app.

7. Specifications

Model Number	MS-AF19
Brand	Mengshen
Power Source	2 AAA Batteries (included)
Voltage	3 Volts
Control Method	App (Smartlife / Tuya Smart)
Noise Level	100 Decibels
Mounting Type	Tabletop Mount / Wall Mount (Pre-paste)
Maximum Detection Line Range	6.5 Feet
Sensor Technology	Contact Sensor (Leak) / Float Sensor (Level)
Smart Home Compatibility	Smart Home Compatible
Material	ABS
Product Dimensions	4.84 x 3.31 x 1.81 inches
Item Weight	3.52 ounces

Color	White

8. Warranty and Support

8.1 Warranty Information

The Mengshen MS-AF19 WiFi Water Leak & Water Level Detector comes with a **1 Year Warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact Mengshen customer support. Refer to the product packaging or the official Mengshen website for the most current contact information.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

I plan to install the Mengshen MS-AF19 in a sump in case the electric pump fails. Is the 6.5-foot cable adjustable for a shorter float length, and what is the expected battery life using high-quality batteries?

Based on the product specifications for the Mengshen MS-AF19, here is the information regarding your installation:Cable Adjustability: The device comes with a 6.5-foot (approx. 2 meters) detection line. While the manual does not state...

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