Zuomeng ZM-147

Zuomeng WiFi Water Leak Detector with Automatic Shutoff Valve

Model: ZM-147

1. Introduction

The Zuomeng WiFi Water Leak Detector with Automatic Shutoff Valve (Model ZM-147) is designed to provide advanced protection against water damage in your home. This system detects water leaks and automatically shuts off the water supply, preventing potential costly damage. It integrates with the GeniLife App for remote monitoring and control, offering peace of mind even when you are away.

2. Package Contents

Please verify that all components are present and in good condition:

- 1x Main Control Unit
- 1x Automatic Shutoff Valve (3/4" NPT Brass)
- 1x Water Leak Sensor with Cable
- 1x Power Adapter
- Connectors (as required for installation)

3. Product Features

- **Smart Home Integration:** Connects to 2.4G WiFi for enhanced protection of your water system.
- **Automatic Shutoff:** Instantly shuts off water supply and triggers an alarm upon leak detection.
- **Remote Monitoring:** GeniLife App provides real-time leak alerts, remote alarm muting, and valve control.
- **Durable Valve:** Features a 3/4" NPT 150PSI full-bore solid brass valve designed for long-term reliability.
- **Accurate Leak Detection:** Sensor tip detects water levels above 0.04 inches (1mm), minimizing false alarms.
- **Dual Power Supply:** Operates on AC power with 4*AA battery backup (batteries not included) for continuous protection during power outages.

4. Specifications

Specification	Detail
Model Number	ZM-147
Material	Brass (Valve)
Valve Size	3/4" NPT
Maximum Operating Pressure	150 PSI
Leak Detection Threshold	0.04 inches (1mm)
Power Supply	AC Power, 4*AA Batteries (backup, not included)
Wireless Connectivity	2.4GHz WiFi
Item Dimensions (Main Unit)	Approximately 3.2 x 5.9 inches
Item Dimensions (Valve)	Approximately 2.4 x 2.4 x 1.2 inches

Note: Dimensions are approximate.

5. Safety Information

- Read all instructions carefully before installation and use.
- Ensure the power supply is disconnected before installing or servicing the device.
- Installation of the shutoff valve should be performed by a qualified plumber if you are unsure.
- Do not expose the main control unit or leak sensor to direct water immersion.
- Use only the provided power adapter.
- Keep out of reach of children.

6. Setup & Installation

6.1 Physical Installation

1. **Install the Shutoff Valve:**
   Identify the main water supply line to the area you wish to protect (e.g., water heater, washing machine). Turn off the main water supply. Install the 3/4" NPT brass valve into the water line. Ensure a tight, leak-free connection. The valve should be installed in a location that allows easy access for maintenance.



Image: The Zuomeng automatic shutoff valve connected to a water pipe.

2. **Position the Leak Sensor:**
   Place the leak sensor on the floor in the area where water leaks are most likely to occur, such as near a water heater, washing machine, or sink. The sensor's disc base elevates the detection points to accurately detect water levels above 1mm.



Image: Close-up of the Zuomeng leak sensor, showing its elevated design for precise detection.

3. **Connect Components to Main Control Unit:**
   Connect the shutoff valve cable and the leak sensor cable to their respective ports on the main control unit. Ensure connections are secure.
4. **Power the Main Control Unit:**
   Plug the power adapter into the main control unit and then into a standard electrical outlet. For battery backup, insert 4*AA batteries (not included) into the battery compartment. The unit will power on.

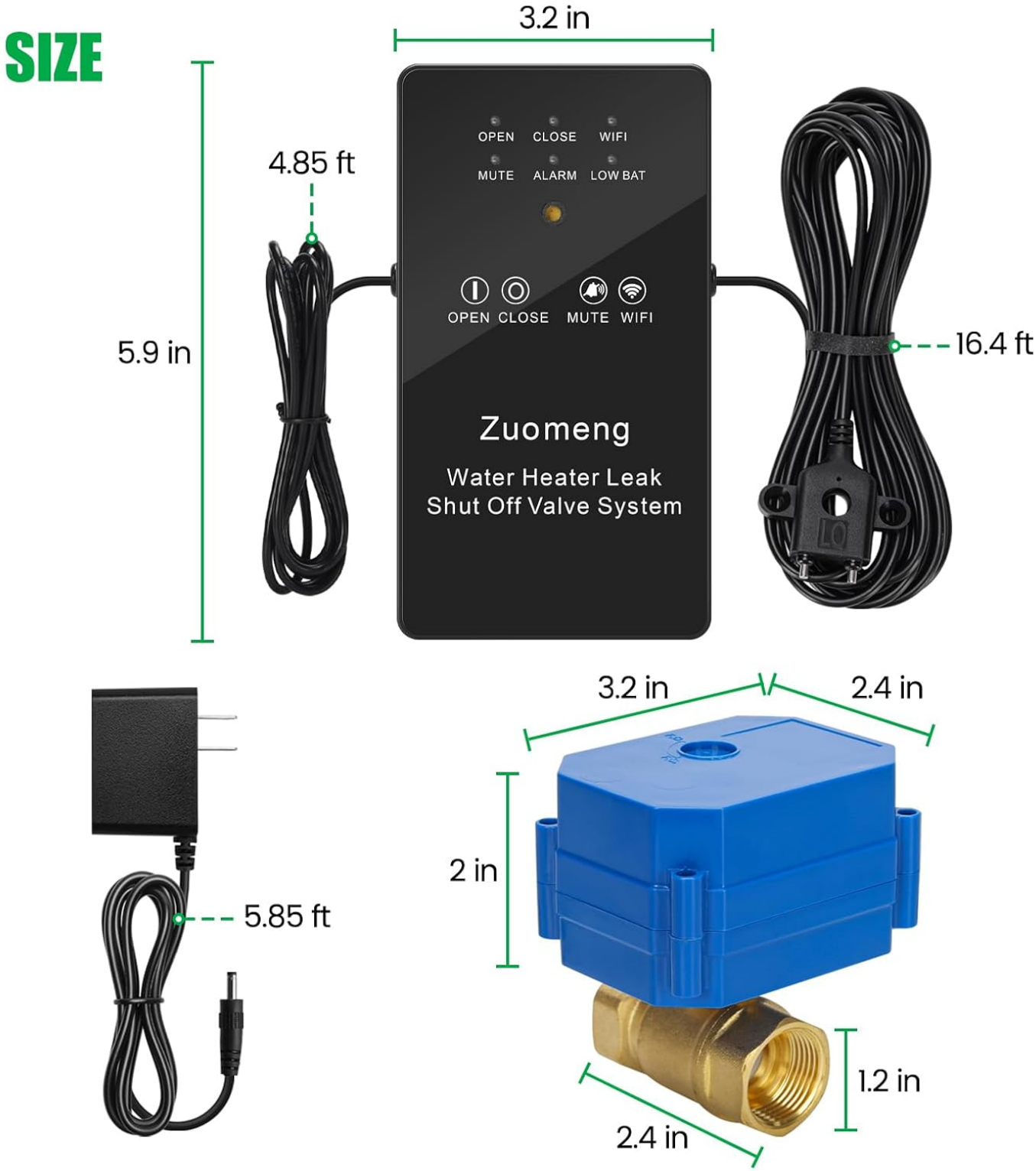


Image: Overview of the Zuomeng system components and their approximate dimensions.

6.2 App Setup and WiFi Connection

1. **Download the GeniLife App:**
   Search for "GeniLife" in your smartphone's app store (iOS or Android) and download the application.
2. **Register/Log In:**
   Open the GeniLife App and follow the on-screen instructions to create an account or log in if you already have one.
3. **Add Device:**
   In the app, tap the "+" icon or "Add Device" to begin the pairing process. Select the Water Leak Detector from the list of available devices.
4. **Connect to WiFi:**
   Follow the app's instructions to connect the device to your 2.4GHz WiFi network. This typically involves putting the

device into pairing mode (refer to the main unit's indicator lights) and entering your WiFi credentials in the app. Ensure your phone is connected to the same 2.4GHz WiFi network during setup.



Image: Illustration of the Zuomeng system setup, showing the leak detector, valve, and app control.

5. **Test Connection:**
   Once connected, verify that the device appears online in the GeniLife App. You can perform a test by manually triggering the valve open/close function from the app.

7. Operating Instructions

7.1 Leak Detection and Automatic Shutoff

- When the leak sensor detects water, the main control unit will activate an audible alarm.
- Simultaneously, the automatic shutoff valve will close, stopping the water flow.
- An alert notification will be sent to your smartphone via the GeniLife App.

7.2 Remote Control via GeniLife App

- **Valve Control:** From the app, you can manually open or close the shutoff valve at any time. This is useful for maintenance or when you are away from home.



Image: The GeniLife app displaying options to control the valve and mute alarms.

- **Mute Alarm:** If a leak is detected and the alarm sounds, you can mute it remotely through the app.



Image: The GeniLife app's mute function and the main unit's alarm indicator.

- **Notifications:** The app will send push notifications for leak alerts, low battery warnings, and other system status updates.

7.3 Indicator Lights

The main control unit features indicator lights for status updates:

- **OPEN/CLOSE:** Indicates the current state of the valve.
- **WIFI:** Shows WiFi connection status.
- **MUTE:** Indicates if the alarm is muted.
- **ALARM:** Flashes when a leak is detected.
- **LOW BAT:** Illuminates when backup batteries are low.

8. Maintenance

- **Battery Replacement:** If the "LOW BAT" indicator lights up, replace the 4*AA backup batteries in the main control unit. Ensure correct polarity.
- **Sensor Cleaning:** Periodically inspect the leak sensor for dust or debris. Clean with a dry cloth if necessary to ensure accurate detection.
- **System Test:** It is recommended to periodically test the system by placing a small amount of water near the leak sensor to confirm proper operation of the alarm and automatic shutoff valve.
- **Valve Inspection:** Visually inspect the brass valve and connections for any signs of wear or corrosion.

9. Troubleshooting

Problem	Possible Cause	Solution
Device not connecting to WiFi	Incorrect WiFi password; Router too far; 5GHz WiFi network.	Ensure correct 2.4GHz WiFi password. Move device closer to router. Confirm router is broadcasting 2.4GHz.
No leak alerts received	App notifications disabled; Device offline; Sensor not detecting water.	Check app notification settings. Verify device is online in app. Test sensor with water.
Valve not closing/opening	Power issue; Valve motor malfunction; Obstruction.	Check power supply and backup batteries. Inspect valve for physical obstructions. Contact support if issue persists.
False alarms	Sensor placed in damp area; Sensor dirty.	Relocate sensor to a dry area. Clean sensor contacts with a dry cloth.
Low Battery indicator on	Backup batteries are depleted.	Replace the 4*AA batteries in the main control unit.

10. Warranty and Support

Zuomeng products are manufactured with quality and reliability in mind. This product comes with a standard manufacturer's warranty. For detailed warranty information, technical support, or assistance with installation and troubleshooting, please refer to the contact information provided with your purchase or visit the official Zuomeng website.

Online Support: Visit the Zuomeng Store on Amazon

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.

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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