## Imou IOT-ZD1-EU

# Imou ZTM1 Wireless WiFi Temperature and Humidity Sensor User Manual

Model: IOT-ZD1-EU

## 1. INTRODUCTION

The Imou ZTM1 Wireless WiFi Temperature and Humidity Sensor is designed to monitor your indoor environment, providing real-time data on temperature and humidity levels. This smart device helps you maintain a comfortable and healthy living space by offering accurate readings, historical data, and smart scene linkage through the Imou Life application.

## 2. PRODUCT OVERVIEW

The Imou ZTM1 sensor features a clear LCD display and compact design for flexible placement. It integrates seamlessly with your smart home ecosystem via WiFi.
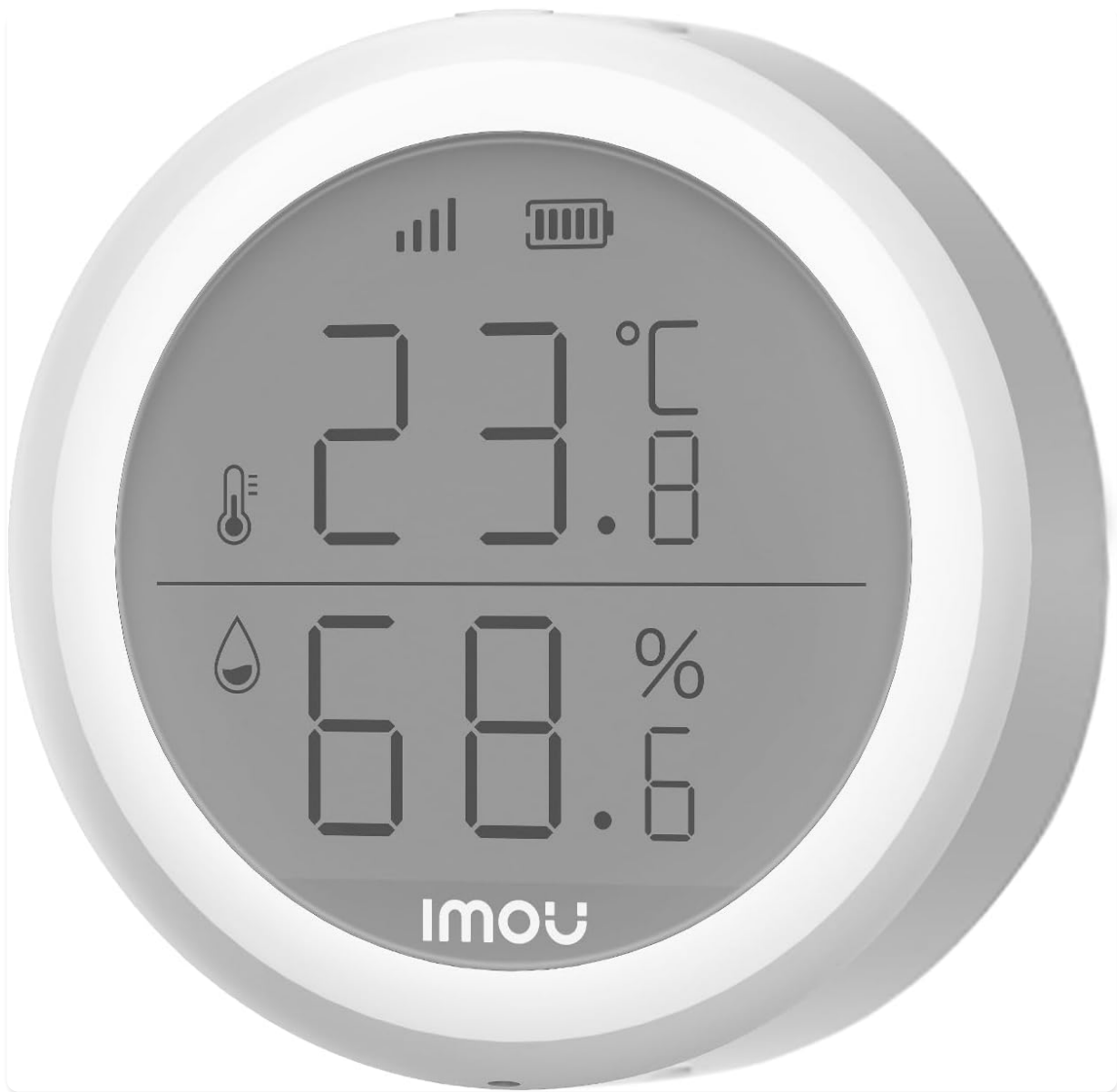
**Image 2.1:** Front view of the Imou ZTM1 sensor, displaying current temperature (23.8°C) and humidity (68.6%).

## 2.1 Components

- Imou ZTM1 Temperature and Humidity Sensor
- Mounting Adhesive (typically included for easy installation)
- Quick Start Guide

## 2.2 Device Features

**Image 2.2:** Visual representation of the sensor's key features, including accuracy detection, LCD screen display, flexible placement, threshold alarm, smart scene linkage, and history record.

- **Accuracy Detection:** Provides precise temperature and humidity readings.
- **LCD Screen Display:** Clear, real-time display of environmental data.
- **Flexible Placement:** Compact design allows for placement in various indoor locations.
- **Threshold Alarm:** Configurable alerts for out-of-range temperature or humidity.
- **Smart Scene Linkage:** Integrates with other smart devices for automated actions.
- **History Record:** Stores data for tracking environmental changes over time.

**Image 2.3:** Diagram illustrating the sensor's display elements: Wireless Signal indicator, Battery Level, Temperature reading, Humidity reading, and the Reset Button location.

# 3. Setup

## 3.1 Initial Power-Up

1. Open the battery compartment and insert the required batteries (typically CR2032 or similar, not explicitly stated but implied by battery icon).
2. The device LCD display should light up, indicating it is powered on.

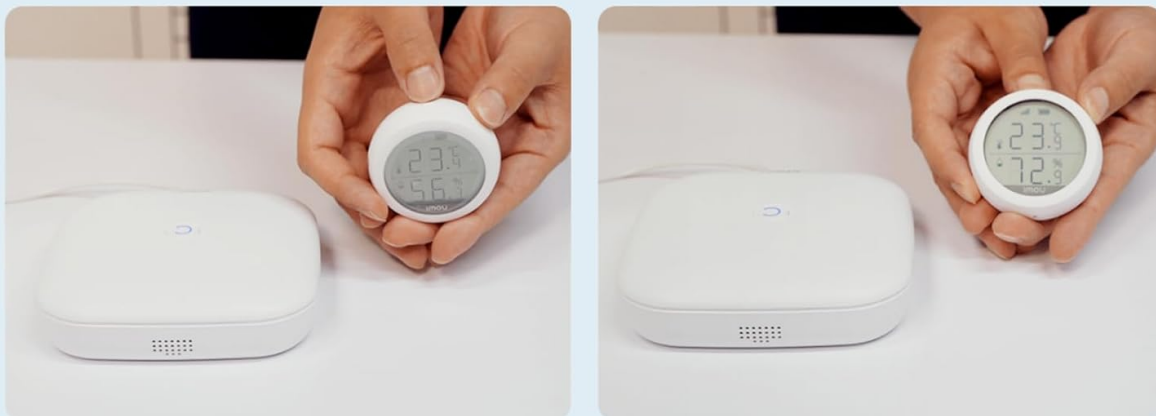## 3.2 App Installation and Account Creation

1. Download the **Imou Life** app from your smartphone's app store (iOS or Android).
2. Register for a new account or log in if you already have one.

## 3.3 Pairing with Imou Alarm Hub (if applicable)

The Imou ZTM1 sensor requires an Imou Alarm Hub (sold separately) for full functionality and smart scene

integration. Ensure your hub is set up and connected to your 2.4 GHz Wi-Fi network.

## One press to get paired with alarm hub

## Technical details

Reset Button

Wireless Signal

Battery Level

Temperature

23.8 ℃

Humidity

68.6 %

imou

**Image 3.1:** The sensor being paired with an Imou Alarm Hub, typically by a single press on the sensor's reset button.

1. Open the Imou Life app and navigate to the 'Devices' section.
2. Select 'Add Device' and follow the on-screen instructions to add your Imou Alarm Hub.
3. Once the hub is added, select the hub in the app and choose to add a sub-device.
4. Press the reset button on the Imou ZTM1 sensor (as indicated in Image 2.3) to put it into pairing mode.
5. The app will detect the sensor. Confirm the pairing.

## 3.4 Placement and Mounting

Choose a central location in the room where you want to monitor temperature and humidity, away from direct sunlight, vents, or heat sources that could affect readings.

1. Clean the desired mounting surface.
2. Remove the protective film from the adhesive pad (if included).
3. Firmly press the sensor onto the surface for at least 30 seconds.

**Wide application**

Perfect gift for your family pets plants and weather sensitive things, ensuring proper indoor humidity control has important skin, allergen and other health benefits

**Image 3.2:** Examples of wide application for the Imou ZTM1 sensor, including offices, plant cultivation areas, and pet habitats, demonstrating its flexible placement.

# 4. OPERATING INSTRUCTIONS

## 4.1 Reading the Display

The LCD screen provides immediate environmental data:

- **Temperature:** Displayed in degrees Celsius (°C) or Fahrenheit (°F).
- **Humidity:** Displayed as a percentage (%).
- **Battery Level:** Indicates remaining battery life.
- **Wireless Signal:** Shows connectivity status to the hub.

## 4.2 Using the Imou Life App

The Imou Life app provides advanced control and monitoring features.

**Image 4.1:** The Imou ZTM1 sensor's data being viewed on the Imou Life mobile application, showing temperature and humidity readings.

1. **Real-time Monitoring:** View current temperature and humidity from anywhere.
2. **History Records:** Access historical data to track trends and changes over time.
3. **Unit Switching:** Change temperature units between Celsius and Fahrenheit within the app settings.

## 4.3 Setting Threshold Alarms

Configure alerts to be notified when temperature or humidity exceeds predefined limits.

1. In the Imou Life app, select your ZTM1 sensor.
2. Go to 'Settings' or 'Alarm Rules'.
3. Set desired high and low thresholds for temperature and humidity.
4. Enable notifications to receive alerts on your smartphone.

## 4.4 Smart Scene Linkage

Integrate the sensor with other Imou smart devices to create automated scenarios.

- **Example:** If humidity exceeds 70%, automatically turn on a smart dehumidifier.

- **Example:** If temperature drops below 18°C, automatically turn on a smart heater.

## 5. MAINTENANCE

### 5.1 Battery Replacement

When the battery level indicator on the display or in the app shows low battery, replace the batteries promptly.

1. Carefully open the battery compartment cover.
2. Remove the old batteries and dispose of them according to local regulations.
3. Insert new batteries, ensuring correct polarity.
4. Close the battery compartment cover securely.

### 5.2 Cleaning

To ensure accurate readings and prolong device life, clean the sensor periodically.

- Wipe the exterior with a soft, dry cloth.
- Do not use liquid cleaners or abrasive materials, as these can damage the sensor.

## 6. TROUBLESHOOTING

- **No Display/Device Not Powering On:**
  Check battery installation and ensure batteries are new and correctly inserted. Replace batteries if necessary.

- **Inaccurate Readings:**
  Ensure the sensor is placed away from direct heat sources, cold drafts, or high humidity areas (e.g., directly above a humidifier). Allow some time for the sensor to stabilize after placement. Clean the sensor if dust or debris is present.

- **Cannot Connect to App/Hub:**
  Ensure your Imou Alarm Hub is powered on and connected to a 2.4 GHz Wi-Fi network. Check the distance between the sensor and the hub; reduce obstacles if possible. Try resetting the sensor (using the reset button) and re-pairing it with the hub via the Imou Life app.

- **No Notifications:**
  Verify that threshold alarms are set correctly in the Imou Life app. Check your smartphone's notification settings to ensure the Imou Life app has permission to send notifications.

## 7. SPECIFICATIONS

| Feature | Detail |
|---|---|
| Model Number | IOT-ZD1-EU |
| Brand | Imou |
| Control Method | Application |

| Feature | Detail |
| --- | --- |
| Connectivity | Wireless (WiFi via Imou Hub) |
| Power Source | Battery Powered (3 Volts) |
| Dimensions (L x W x H) | 6.5 x 6.5 x 4.5 cm |
| Compatible Devices | Smartphone, Tablet |
| Temperature Accuracy | ±1°F (from image) |
| Humidity Accuracy | ±3% RH (from image) |



**Image 7.1:** Visual representation of the sensor's high accuracy for both temperature (±1°F) and humidity (±3% RH).

## 8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Imou website or contact Imou customer service directly. Keep your purchase receipt for warranty claims.

## Related Documents - IOT-ZD1-EU

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|---|---|
|  | **Imou ZTM1 Wireless Temperature and Humidity Detector User Manual**<br>User manual for the Imou ZTM1 wireless temperature and humidity detector, providing details on product features, network setup, installation, technical specifications, and warranty information. |
|  | **Imou Smart Home Door/Window Sensor User Manual**<br>User manual for the Imou Smart Home Door/Window Sensor (ZD1-EU), covering product description, network setup, installation instructions, technical specifications, warranty, and user information. |
|  | **Imou Zigbee Gateway Quick Start Guide**<br>A comprehensive quick start guide for the Imou Zigbee Gateway, detailing package contents, device overview, setup procedures, and troubleshooting tips to help users connect and manage their smart home devices. |
|  | **Imou Smart Smoke Alarm ZS2 Quick Start Guide**<br>This guide provides essential information for setting up and installing the Imou Smart Smoke Alarm ZS2. Learn about package contents, device overview, pairing setup, installation methods, maintenance, and troubleshooting. |
|  | **Imou PIR Motion Detector User Manual and Technical Specifications**<br>Comprehensive guide for the Imou PIR Motion Detector, covering product information, technical parameters, installation instructions, warranty details, and usage guidelines. |
|  | **Imou Thermostatic Radiator Valve User Manual - Installation & Setup Guide**<br>Comprehensive user manual for the Imou Thermostatic Radiator Valve (TRV). Learn how to install, set up, pair with the Imou Smart Gateway, and operate your smart radiator valve for efficient home heating control. |