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› AMIR Digital Wireless Indoor Outdoor Thermometer User Manual

AMIR WA151KM-AU

AMIR Digital Wireless Indoor Outdoor Thermometer User Manual

Model: WA151KM-AU

1. INTRODUCTION

Thank you for purchasing the AMIR Digital Wireless Indoor Outdoor Thermometer. This device provides accurate temperature and humidity readings for both indoor and outdoor environments, helping you maintain optimal conditions in your home, office, or other spaces. With its clear LCD display and wireless sensor, monitoring your environment has never been easier.

This manual will guide you through the setup, operation, and maintenance of your new thermometer.

2. PACKAGE CONTENTS

- 1 x Thermo-Hygrometer (Main Display Unit)
- 1 x Wireless Remote Sensor (Transmitter)
- 1 x User Manual

Note: AAA batteries are required for both the main unit and the remote sensor and are not included in the package.

3. PRODUCT OVERVIEW



Figure 3.1: Main Display Unit and Remote Sensor

This image shows the primary display unit on the left, which presents indoor and outdoor temperature and humidity readings, and the compact wireless remote sensor on the right, designed for outdoor placement.

EASY TO READ



Figure 3.2: LCD Display Features

A detailed view of the 3-inch LCD display, highlighting key indicators such as sensor channel, MAX/MIN symbol, outdoor temperature, outdoor humidity, comfort index, trend arrows, indoor temperature, and indoor humidity.

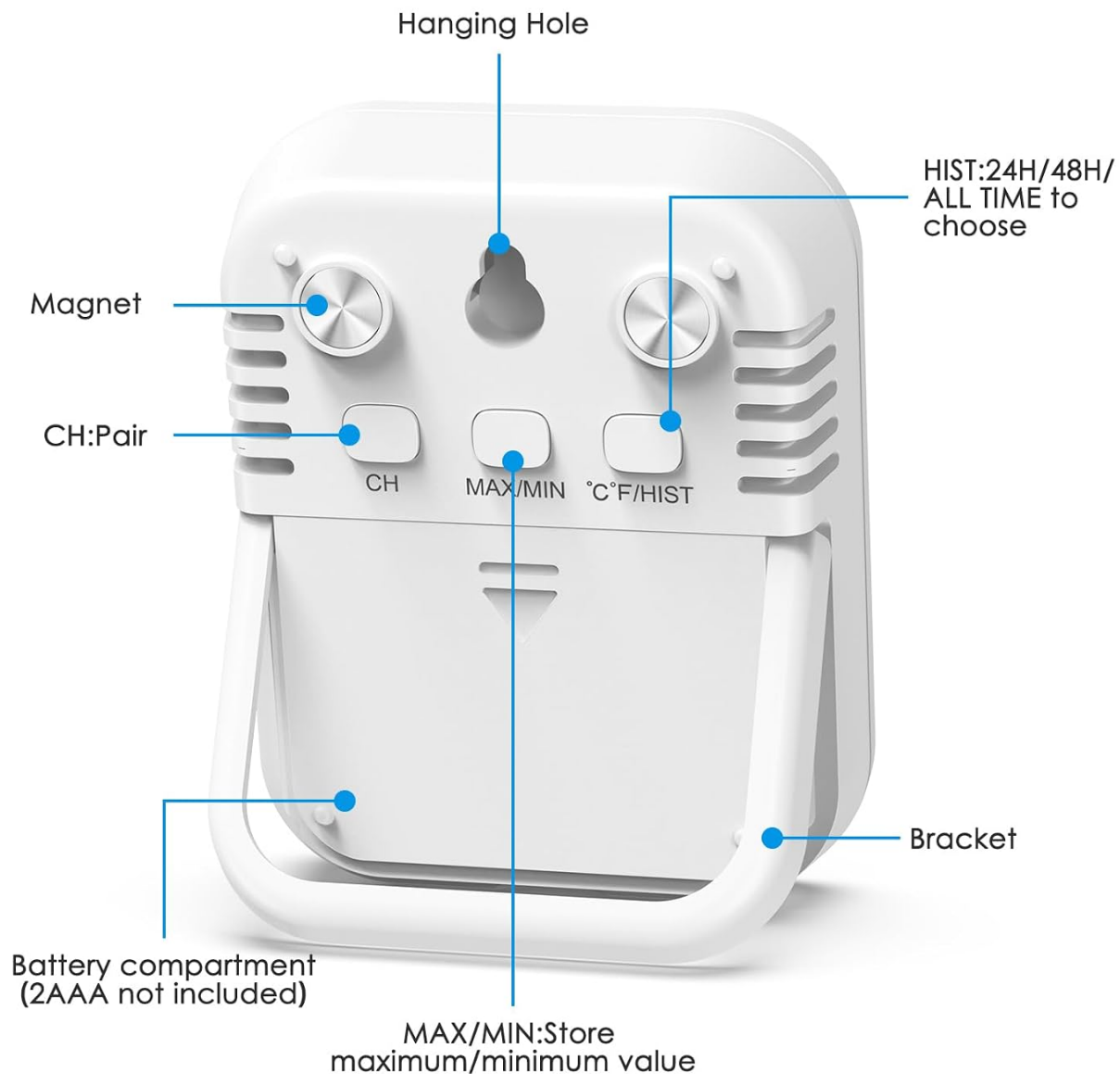


Figure 3.3: Main Unit Rear View

This image displays the back of the main unit, showing the battery compartment, foldable bracket for standing, magnetic mounts, hanging hole, and control buttons for channel selection (CH), MAX/MIN record, and temperature unit (°C/°F) / history (HIST).

4. SETUP

4.1 Battery Installation

1. **Main Display Unit:** Open the battery compartment on the back of the main unit. Insert 2 AAA batteries, ensuring correct polarity (+/-). Close the compartment.
2. **Wireless Remote Sensor:** Open the battery compartment on the back of the remote sensor. Insert 2 AAA batteries, ensuring correct polarity (+/-). Close the compartment.

Note: It is recommended to install batteries in the remote sensor first, then in the main display unit, to ensure proper pairing.

4.2 Sensor Pairing

Upon battery installation, the main unit will automatically search for the remote sensor signal. The outdoor temperature and

humidity readings should appear on the display within a few minutes. If the readings do not appear:

- Ensure both units have fresh batteries and are within the transmission range (up to 100m/328ft in open area).
- Press the "CH" button on the back of the main unit to manually search for the sensor.
- If issues persist, remove batteries from both units, wait 1 minute, and re-install them, starting with the remote sensor.

4.3 Placement

3 SUPPORT METHODS



Figure 4.1: Main Unit Mounting Options

The main display unit offers versatile placement options: it can stand upright using its integrated bracket, attach to metallic surfaces via its built-in magnets, or be mounted on a wall using the hanging hole.

WIRELESS REMOTE SENSOR

Max transmission distance: 328FT/100M



Figure 4.2: Remote Sensor Placement

The wireless remote sensor can be placed outdoors to monitor external conditions. For optimal performance and longevity, place the sensor in a sheltered location away from direct sunlight and heavy rain, such as under an eave or in a covered porch area. Ensure it is within the wireless range of the main unit.

- **Main Unit:** Place the main unit indoors in a central location, away from direct sunlight, heat sources, or vents that could affect its readings. It can be placed on a table, attached to a refrigerator, or wall-mounted.
- **Remote Sensor:** For outdoor readings, place the remote sensor in a shaded, dry location outdoors. Avoid direct exposure to rain, snow, or extreme temperatures. Common placements include under an eave, on a covered porch, or in a shed. Ensure it is within 100 meters (328 feet) of the main unit, with minimal obstructions for best signal.

5. OPERATING INSTRUCTIONS

5.1 Display Overview

The 3-inch LCD display provides clear, simultaneous readings for indoor and outdoor temperature and humidity. It also shows MAX/MIN values, comfort trend arrows, and a low battery indication.

5.2 Temperature Unit Selection (°C/°F)

Press the °C/°F/HIST button on the back of the main unit to switch between Celsius (°C) and Fahrenheit (°F) temperature display.

5.3 MAX/MIN Records

The device records the maximum and minimum temperature and humidity values for both indoor and outdoor environments. To view these records:

- Press the **MAX/MIN** button once to display the maximum recorded values.
- Press the **MAX/MIN** button again to display the minimum recorded values.
- Press the **MAX/MIN** button a third time to return to current readings.

To clear the MAX/MIN records, press and hold the **MAX/MIN** button for approximately 3 seconds while the MAX or MIN values are displayed. The records will reset to current values.

The device supports 3 modes for history: 24H, 48H, and All time. Press the °C/°F/HIST button repeatedly while viewing MAX/MIN records to cycle through these history modes.

5.4 Comfort Level Indicator

The display includes a comfort level indicator, typically represented by a colored bar or icon, to show whether the indoor environment is too dry, comfortable, or too humid. This helps in maintaining a healthy living space.

5.5 Trend Arrows

Trend arrows indicate whether the temperature and humidity are rising, falling, or remaining stable. An upward arrow signifies an increase, a downward arrow signifies a decrease, and a horizontal arrow indicates stability.

6. MAINTENANCE

- **Cleaning:** Wipe the display unit and remote sensor with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** When the low battery indicator appears on the display, replace the batteries in both the main unit and the remote sensor with fresh AAA batteries.
- **Storage:** If storing the device for an extended period, remove the batteries from both units to prevent leakage. Store in a cool, dry place.
- **Sensor Protection:** Ensure the remote sensor remains in a sheltered location to protect it from direct weather elements, which can prolong its lifespan and accuracy.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No outdoor reading or "---" displayed.	1. Remote sensor out of range. 2. Batteries in remote sensor are low or dead. 3. Interference from other electronic devices. 4. Sensor not paired.	1. Move sensor closer to the main unit. 2. Replace batteries in the remote sensor. 3. Move units away from other electronics. 4. Press "CH" button on main unit to re-sync. Re-install batteries in both units if necessary.
Inaccurate readings.	1. Sensor exposed to direct sunlight or heat/cold sources. 2. Low batteries.	1. Relocate sensor to a shaded, well-ventilated area. 2. Replace batteries in both units.

Problem	Possible Cause	Solution
Display is dim or blank.	1. Low or dead batteries in main unit. 2. Incorrect battery installation.	1. Replace batteries in the main unit. 2. Check battery polarity.

8. SPECIFICATIONS

- **Model:** WA151KM-AU
- **Indoor Temperature Range:** -9.9°C to 50°C (14.2°F to 122°F)
- **Outdoor Temperature Range:** -40°C to 70°C (-40°F to 158°F)
- **Humidity Range:** 20% to 95% RH
- **Temperature Accuracy:** ±1°C (±1.8°F)
- **Humidity Accuracy:** ±5% RH
- **Wireless Transmission Range:** Up to 100 meters (328 feet) in open area
- **Refresh Rate:** Data updates every 30 seconds
- **Power Supply (Main Unit):** 2 x AAA batteries (not included)
- **Power Supply (Remote Sensor):** 2 x AAA batteries (not included)
- **Product Dimensions (Main Unit):** Approximately 2.5 x 2.5 x 3.15 inches (W x D x H)
- **Mounting Options:**
 - **Host (Main Unit):** Standing, Magnet, Wall Mount
 - **Transmitter (Remote Sensor):** Standing, Wall Mount, Hanging

3in LCD SCREEN

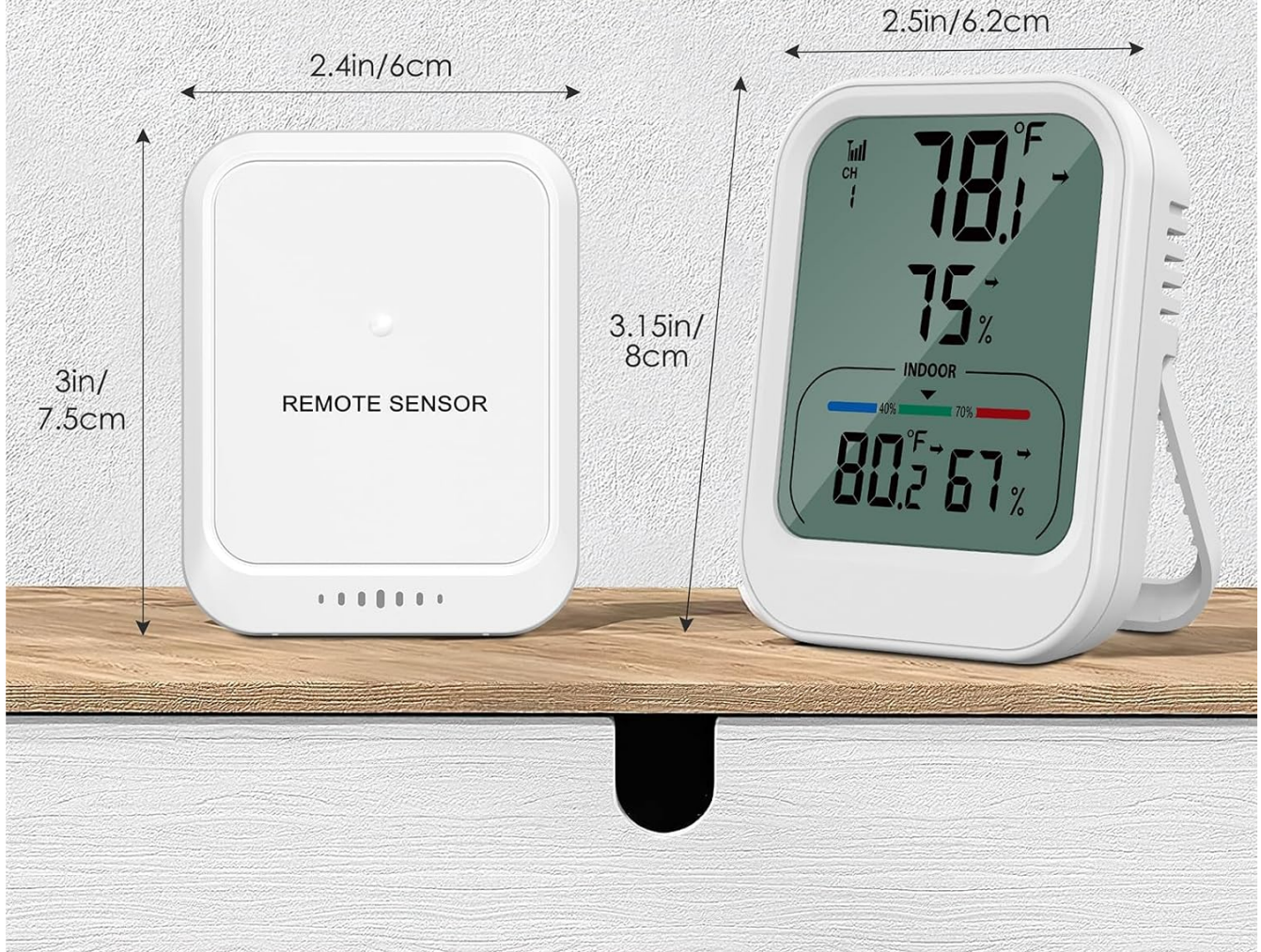


Figure 8.1: Product Dimensions

This image provides a visual representation of the dimensions for both the main display unit and the remote sensor, indicating their compact size for easy placement.

High Precision & High Sensitivity



Indoor temp range:
14.2°F-122°F (-10°C-50°C)

Outdoor temp range:
-40°F-158°F (-40°C-70°C)



Temp accuracy:
±1.8°F (±1°C)

Humidity accuracy:
±5%RH

Figure 8.2: Precision and Sensitivity

An illustration highlighting the high precision and sensitivity of the thermometer, detailing the indoor and outdoor temperature ranges, and the accuracy specifications for both temperature (±1.8°F / ±1°C) and humidity (±5% RH).

9. WARRANTY AND SUPPORT

AMIR products are designed for reliability and performance. For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official AMIR website. Please have your model number (WA151KM-AU) ready when contacting support.

For common questions, you may also refer to the [customer reviews and Q&A section](#) on the product page, which often contains helpful user-generated content and solutions.

