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KeeKit KUS-WA100

KeeKit Indoor Outdoor Thermometer KUS-WA100 User Manual

Model: KUS-WA100

1. Introduction

Thank you for choosing the KeeKit Indoor Outdoor Thermometer KUS-WA100. This digital thermometer and hygrometer system provides accurate temperature and humidity readings for both indoor and up to three outdoor locations. Featuring a clear LCD backlight display and min/max record functionality, it is designed for convenient environmental monitoring in homes, offices, greenhouses, and more. Please read this manual thoroughly before use to ensure proper operation and longevity of your device.

2. Package Contents

- 1 x Main Display Unit
- 3 x Wireless Remote Sensors
- 1 x USB Power Cable (for main unit)
- 1 x User Manual (this document)

3. Product Overview

The KeeKit KUS-WA100 system consists of a main display unit and three wireless remote sensors.

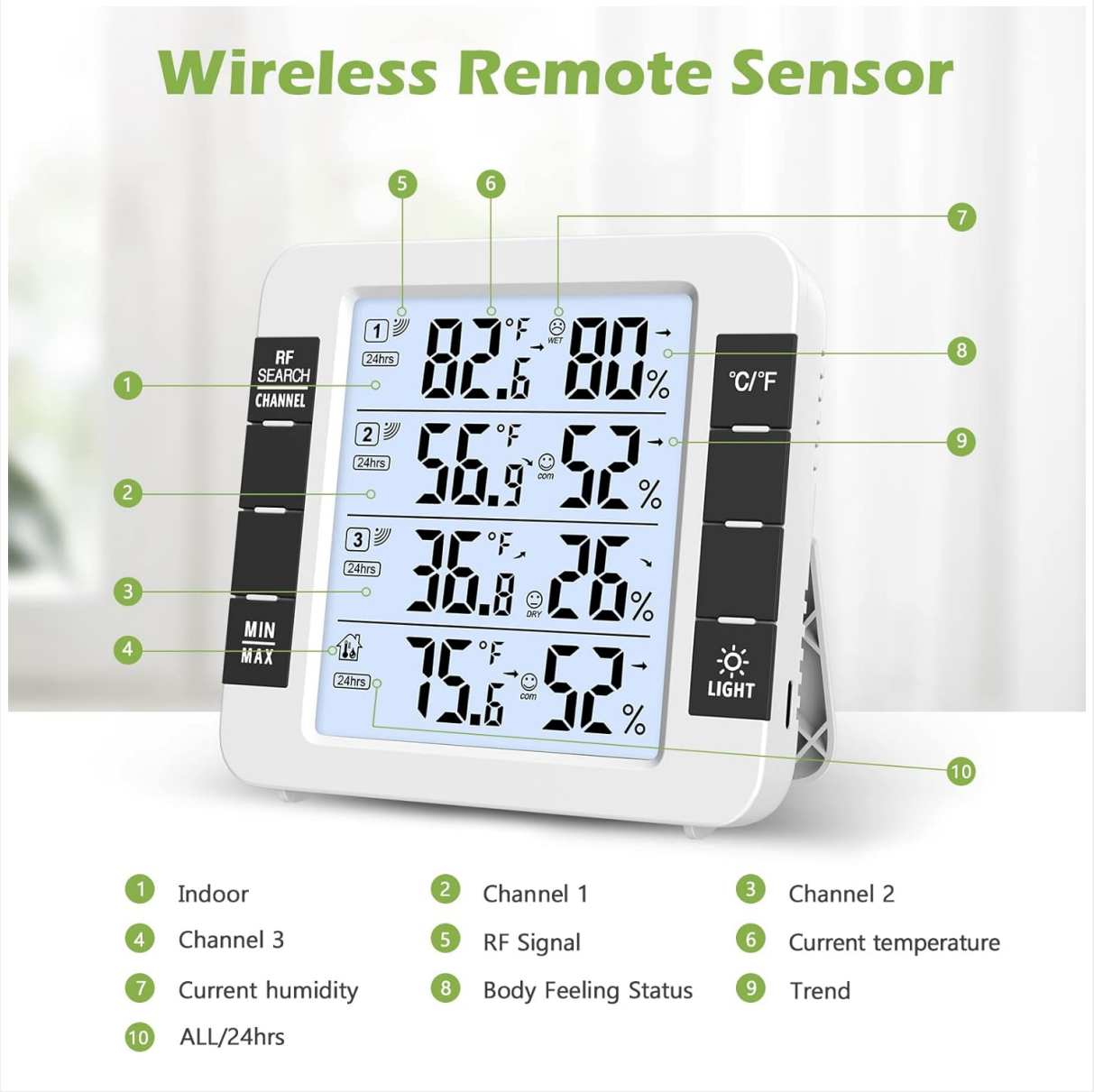

Figure 1: Main Display Unit Components

This image shows the main display unit with various parts labeled for easy identification. Key features include the RF Search/Channel button, MIN/MAX button, °C/°F button, and Light button. The display shows indoor temperature and humidity, along with readings for three channels (Channel 1, Channel 2, Channel 3), current temperature, current humidity, RF signal indicator, body feeling status, trend indicators, and ALL/24hrs indicator.

Main Display Unit Features:

- Large Backlit LCD Screen for clear visibility.
- Displays indoor temperature and humidity.
- Displays temperature and humidity from up to 3 remote sensors.
- Min/Max record for 24 hours or all-time.
- Temperature trend indicators.
- Comfort level indicator (DRY, COM, WET).
- Switchable temperature units (°C/°F).
- Low battery reminder for both main unit and sensors.
- Multiple placement options: Tabletop stand, wall mount, magnetic back.

Wireless Remote Sensor Features:

- Measures temperature and humidity.

- Wireless transmission range up to 100 meters (328 feet) in open air.
- Channel switch for assigning to Main Unit (1, 2, or 3).
- Wall-mountable design.

Figure 2: Main Unit and Wireless Sensors

This image displays the main unit alongside the three wireless remote sensors, illustrating the complete system.

4. Setup Instructions

4.1 Powering the Units

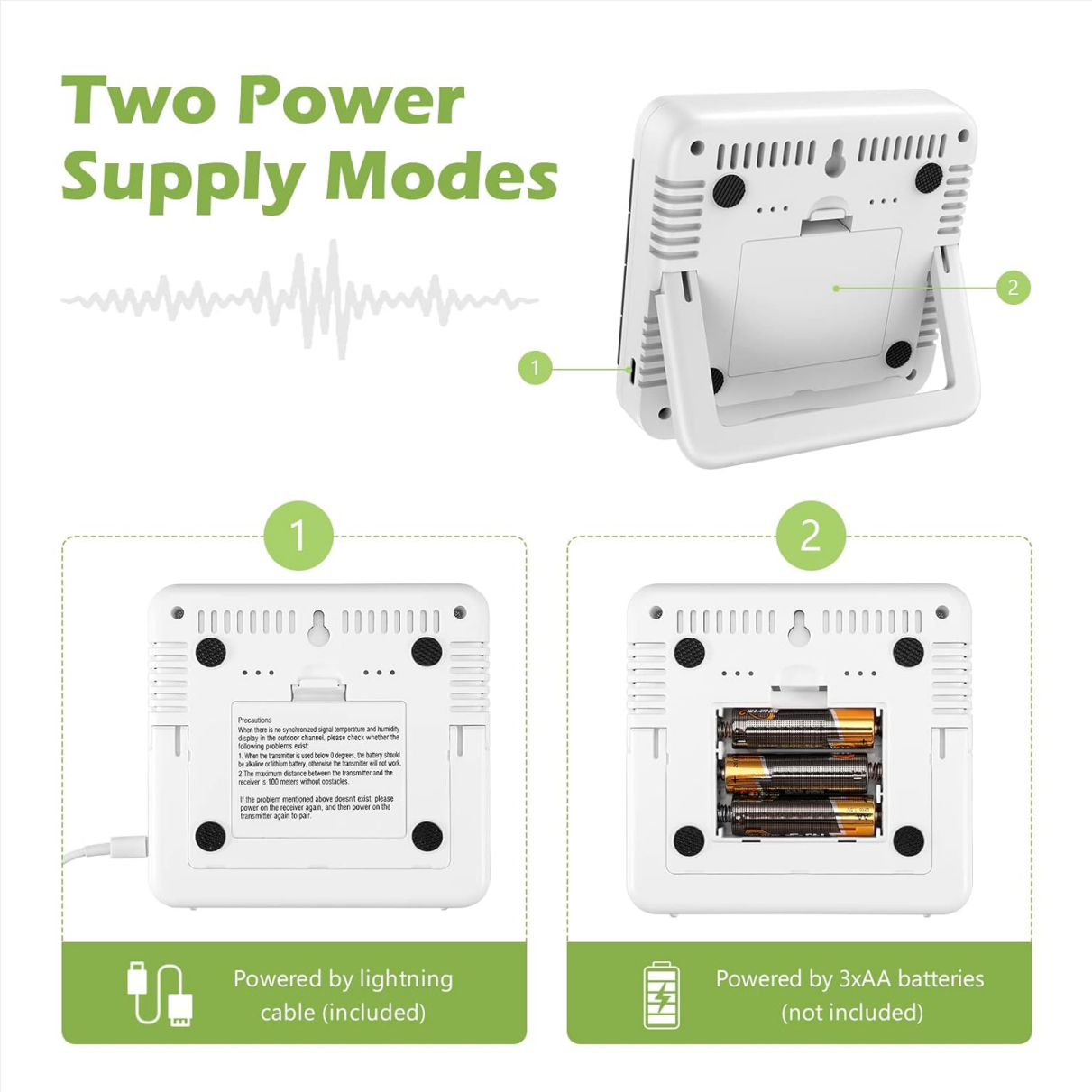

Figure 3: Power Supply Modes

The main unit can be powered by a USB cable (included) or 3xAA batteries (not included). Remote sensors require 2xAAA batteries each (not included).

1. **Remote Sensors:** Open the battery compartment on the back of each remote sensor. Insert 2 x AAA batteries (not included) according to the polarity markings (+/-). Close the battery compartment.
2. **Main Display Unit:**
    - **Battery Power:** Open the battery compartment on the back of the main unit. Insert 3 x AA batteries (not included) according to the polarity markings (+/-). Close the compartment.
    - **USB Power:** Connect the provided USB power cable to the main unit and a suitable USB power adapter (not included). The unit will power on.
3. It is recommended to power on the remote sensors first, then the main unit, to facilitate automatic pairing.

4.2 Pairing Sensors with Main Unit

Upon initial power-up, the main unit will automatically search for and connect to the remote sensors.

- Ensure all sensors are within range of the main unit during the initial pairing process.
- If a sensor does not connect, press the "RF SEARCH / CHANNEL" button on the main unit to manually initiate a search.
- Each remote sensor has a channel switch (1, 2, or 3) inside its battery compartment. Ensure each sensor is set to a unique channel before inserting batteries.

4.3 Placement Options

Figure 4: Flexible Placement Options

The main unit can be placed on a tabletop using its integrated stand, mounted on a wall, or attached to a metallic surface via its magnetic back. Remote sensors can be wall-mounted or hung using the lanyard sucker.

- **Main Unit:** Features a foldable stand for tabletop use, a hanging hole for wall mounting, and magnets for attaching to metal surfaces like refrigerators.
- **Remote Sensors:** Designed for wall mounting using the integrated hanging hole. Place sensors in desired outdoor or indoor locations, ensuring they are protected from direct sunlight and heavy precipitation for optimal accuracy and longevity.

5. Operating Instructions

5.1 Display Overview

Figure 5: Clear Backlit LCD Screen

The large LCD screen provides clear temperature and humidity readings for indoor and three outdoor channels. The backlight ensures readability even in low-light conditions.

The main display unit shows the following information:

- **Indoor Readings:** Top section displays current indoor temperature and humidity.
- **Channel Readings (1, 2, 3):** Each subsequent section displays temperature and humidity from the corresponding remote sensor.
- **RF Signal:** Indicates successful wireless connection to sensors.
- **Trend Indicators:** Arrows show if temperature/humidity is rising, falling, or stable.
- **Comfort Level:** Icons (DRY, COM, WET) indicate the indoor air comfort level based on humidity.
- **MIN/MAX:** Shows recorded minimum and maximum values.
- **Low Battery Indicator:** Appears when batteries in the main unit or a specific sensor are low.

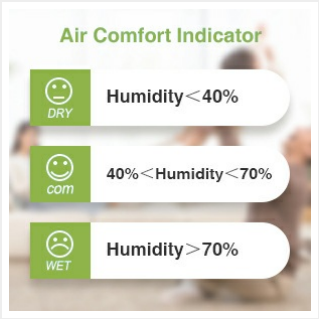

Figure 6: Air Comfort Indicator
This indicator visually represents the air comfort level: DRY (Humidity < 40%), COM (40% < Humidity < 70%), WET (Humidity > 70%).

5.2 Button Functions

- **RF SEARCH / CHANNEL Button:**
  - Press to manually search for remote sensors.
  - Press to cycle through displaying individual sensor channels (CH1, CH2, CH3) or all channels in rotation.
- **MIN / MAX Button:**
  - Press once to view the maximum temperature and humidity recorded.
  - Press again to view the minimum temperature and humidity recorded.
  - Press a third time to return to current readings.
  - Press and hold for 3 seconds to clear the MIN/MAX records.
- **°C / °F Button:** Press to switch between Celsius (°C) and Fahrenheit (°F) temperature display.
- **LIGHT Button:** Press to activate the backlight for 10 seconds. If powered by USB, the backlight can be set to stay on continuously with two brightness levels.

6. Maintenance

- **Cleaning:** Wipe the units with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries in the main unit when the low battery indicator appears for the main unit. Replace batteries in remote sensors when their respective low battery indicators appear.

Figure 7: Low Battery Reminder
The display shows a low battery icon when the main unit's battery voltage is below 3.6V or a transmitter's voltage is below 2.7V.

- **Storage:** If not in use for an extended period, remove all batteries to prevent leakage. Store in a cool, dry place.

- **Environmental Protection:** Do not disassemble the product. Avoid placing the product in hot, humid, dusty, or corrosive gas environments to prevent damage to electronic components.

7. Troubleshooting

Problem	Possible Cause	Solution
No display on main unit.	Batteries are dead or incorrectly inserted; USB cable not connected or faulty.	Check battery polarity and replace if necessary. Ensure USB cable is securely connected and functional.
Remote sensor not displaying on main unit (e.g., "---" shown).	Sensor out of range; low battery in sensor; interference; sensor not paired.	• Move sensor closer to the main unit. • Replace sensor batteries. • Press the "RF SEARCH / CHANNEL" button on the main unit to re-establish connection. • Ensure no large metal objects or electronic devices are blocking the signal path. • Verify the sensor's channel switch is set correctly and uniquely.
Inaccurate temperature/humidity readings.	Sensor exposed to direct sunlight, rain, or extreme conditions; unit placed near heat/cold sources.	• Relocate sensors to a shaded, well-ventilated area, protected from direct weather elements. • Ensure main unit is not near windows, vents, or appliances that can affect readings. • Allow units to stabilize for 15-30 minutes after placement.
Low battery indicator appears.	Batteries are running low.	Replace the indicated batteries (main unit or specific sensor) promptly.

8. Specifications

Feature	Detail
Model Number	KUS-WA100
Indoor Temperature Range	-20°C to 70°C (-4°F to 158°F)
Outdoor Temperature Range	-50°C to 70°C (-58°F to 158°F)
Temperature Accuracy	±1°C (±2°F)
Humidity Detection Range	10% to 99% RH
Humidity Accuracy	±5% RH

Feature	Detail
Wireless Transmission Range	Up to 100 meters (328 feet) in open area
Main Unit Power	3 x AA batteries (not included) or USB power cable (included)
Sensor Power	2 x AAA batteries per sensor (not included)
Mounting Options	Tabletop, Wall Mount, Magnetic
Product Dimensions (Main Unit)	11.81 x 11.81 x 11.2 cm (approx. 4.65 x 4.65 x 4.41 inches)
UPC	759049361367

9. Warranty Information

KeeKit products are designed and manufactured to high-quality standards. For specific warranty details, please refer to the warranty card included with your purchase or contact KeeKit customer support. This warranty typically covers manufacturing defects and material flaws under normal use.

10. Customer Support

If you encounter any issues or have questions regarding your KeeKit Indoor Outdoor Thermometer KUS-WA100, please contact our customer support team.

- **Email:** [Insert Customer Support Email Here, if available]
- **Website:** Visit the KeeKit Store on Amazon for more information and contact options.

Please have your model number (KUS-WA100) and purchase details ready when contacting support.

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