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› AcuRite 02097M Wireless Indoor/Outdoor Thermometer with Humidity Sensor User Manual

AcuRite 02097M

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INTRODUCTION

The AcuRite 02097M Wireless Indoor/Outdoor Thermometer with Humidity Sensor provides precise and reliable temperature and humidity readings for both indoor and outdoor environments. This system allows you to monitor conditions in various locations within and around your home, ensuring optimal comfort and awareness.



Image: The AcuRite 02097M display unit and wireless sensor.

WHAT'S IN THE BOX

- Digital Display Unit
- Wireless Sensor

FEATURES

- Displays indoor and outdoor temperature (Fahrenheit or Celsius) and humidity.
- Totally wireless tabletop and wall-mountable design for easy set-up and placement in any location.
- Manually toggle between readings or enable auto-cycle mode to automatically toggle between indoor and outdoor readings.
- Place the weather-resistant sensor outdoors in an area with sufficient shade.
- Strong signal penetration (enhanced 433 MHz) up to 165 feet (50 meters).

SETUP

Battery Installation

1. Open the battery compartment on both the Digital Display Unit and the Wireless Sensor.
2. Insert 2 x AAA batteries into the Digital Display Unit, observing polarity (+/-) markings.
3. Insert 2 x AA batteries into the Wireless Sensor, observing polarity (+/-) markings.
4. Close the battery compartments securely.

Placement Guidelines

For optimal performance, consider the following placement guidelines:

- **Digital Display Unit:** Place the display unit indoors, away from direct sunlight and heat sources. It can be placed on a tabletop or mounted on a wall using the integrated keyhole.
- **Wireless Sensor:** The wireless sensor is weather-resistant and designed for outdoor use. For accurate temperature and humidity readings, place the sensor in a location with sufficient shade and protection from direct precipitation. Avoid placing it in direct sunlight or areas with extreme temperature fluctuations.



Image: Proper placement of the wireless sensor in a shaded outdoor area.

Initial Synchronization

Once batteries are installed in both units, they should automatically synchronize. Allow a few minutes for the units to establish a connection and display readings.

OPERATING INSTRUCTIONS

Display Modes

The display unit offers different viewing modes for indoor and outdoor readings:

- **Indoor Only:** Displays only the indoor temperature and humidity.
- **Outdoor Only:** Displays only the outdoor temperature and humidity.
- **Auto-Cycle:** Automatically toggles between indoor and outdoor readings every few seconds.

Use the **SELECT** button on the back of the display unit to cycle through these modes.



Image: Rear view of the display unit with control buttons.

Temperature Units

To switch between Fahrenheit (°F) and Celsius (°C), press the **°C/°F** button on the back of the display unit.

MAINTENANCE

Cleaning

Wipe both the display unit and the wireless sensor clean with a soft, damp cloth. Do not use abrasive cleaners or chemicals that may damage the plastic components or electronic parts.

Battery Replacement

Replace batteries when the low battery indicator appears on the display unit. Always replace all batteries in a unit at the same time with new batteries of the recommended type.

TROUBLESHOOTING

No Readings on Display

- Ensure batteries are installed correctly with proper polarity.
- Check if batteries are fresh and have sufficient charge.
- Press the RESET button on the back of the display unit and the sensor (if available) to re-establish connection.

Inaccurate Readings

- Verify that the sensor is placed in a shaded area, away from direct sunlight or heat sources that could affect readings.
- Ensure both units are within the specified wireless range (165 feet / 50 meters) and free from major obstructions like thick walls or large metal objects.
- Allow sufficient time (up to 20 minutes) for the sensor to acclimate to new environmental conditions.

Loss of Wireless Signal

- Relocate the display unit or sensor closer to each other.
- Avoid placing units near large electronic devices that may cause interference.
- Replace batteries in both units.

SPECIFICATIONS

Specification	Detail
Brand	AcuRite
Model Name	02097M
Color	Black
Display Type	LCD
Connectivity Technology	RF
Power Source	Battery Powered
Number of Batteries	Display: 2 x AAA, Sensor: 2 x AA
Item Weight	0.01 ounces

Humidity Range	1% - 99% RH
Display Temperature Range	32 to 122°F (0 to 50°C)
Sensor Temperature Range	-40 to 158°F (-40 to 70°C)
Wireless Range	Up to 165 feet (50 meters)

WARRANTY & SUPPORT

Warranty Information

This AcuRite product comes with a **1-year limited warranty** from the date of purchase. Please retain your proof of purchase for warranty claims.

Additional Resources

- For a downloadable PDF version of the user manual, please visit: [User Manual \(PDF\)](#)
- For more information about AcuRite products and support, visit the official store: [AcuRite Store](#)

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