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› AcuRite Indoor/Outdoor Wireless Digital Thermometer with Humidity Model 00411CADI User Manual

AcuRite 00411CADI

AcuRite Indoor/Outdoor Wireless Digital Thermometer with Humidity Model 00411CADI User Manual

Model: 00411CADI | Brand: AcuRite

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your AcuRite Indoor/Outdoor Wireless Digital Thermometer with Humidity, Model 00411CADI. This device is designed to provide accurate indoor and outdoor temperature and humidity readings, along with additional features such as daily high/low records, barometric pressure history, moon phase, and an Intelli-Time clock.

Please read this manual thoroughly before operating the device to ensure proper use and to maximize its performance and longevity.

PACKAGE CONTENTS

- Digital Display Unit
- Wireless Outdoor Sensor
- Instruction Manual
- *(Batteries not included)*

FEATURES

- Wireless transmission of outdoor temperature and humidity.
- Indoor temperature and humidity display.
- Bold, easy-to-read LCD screen.
- Daily high/low temperature and humidity records.
- Barometric pressure history.
- Moon phase display.
- Intelli-Time clock and calendar with automatic Daylight Saving Time updates.
- Display unit suitable for tabletop use or wall-mounting.
- Weather-resistant outdoor sensor with integrated hanger.

SETUP

1. Unpacking and Battery Installation

Carefully remove all components from the packaging. It is recommended to install batteries in the outdoor sensor first, then the display unit.

1. **Outdoor Sensor:** Open the battery compartment on the back of the wireless outdoor sensor. Insert 2 "AA" alkaline or lithium batteries (not included) according to the polarity markings (+/-). Close the battery compartment securely.
2. **Display Unit:** Open the battery compartment on the back of the digital display unit. Insert 3 "AAA" alkaline batteries (not included) according to the polarity markings (+/-). Close the battery compartment securely.

Note: Lithium batteries are recommended for outdoor sensors in regions with temperatures below -20°C (-4°F) due to their superior performance in cold conditions.

2. Sensor Placement

Proper placement of the outdoor sensor is crucial for accurate readings.

- **Location:** Choose a location that is out of direct sunlight and direct precipitation. A north-facing wall or under an eave is often ideal.
- **Height:** Mount the sensor approximately 1.2 to 2.4 meters (4 to 8 feet) off the ground.
- **Obstructions:** Ensure the sensor is away from heat sources (e.g., air conditioning units, exhaust vents) and large metal objects that could interfere with wireless transmission.
- **Mounting:** Use the integrated hanger to mount the sensor securely.



Image: The wireless outdoor sensor, designed to be weather-resistant, shown hanging from a tree branch. It features an integrated hanger for easy mounting in an appropriate outdoor location.

3. Display Unit Placement

The display unit can be placed on a tabletop or mounted on a wall.

- **Tabletop:** Use the integrated stand to place the unit on a flat surface.
- **Wall-Mount:** Use the keyhole slot on the back of the unit to hang it on a screw (not included) securely fastened to a

wall.

- **Wireless Range:** Place the display unit within 330 feet (100 meters) of the outdoor sensor. Walls and other obstructions may reduce the effective range.



Image: The AcuRite digital display unit positioned on a desk, showing its clear LCD screen with indoor and outdoor temperature and humidity readings. The unit is designed for easy tabletop placement.

4. Synchronization

Once batteries are installed in both units, the display unit will automatically search for the outdoor sensor. This process may take a few minutes. Ensure both units are within range of each other. If the connection is not established, try relocating the sensor or display unit, or reset both units by removing and reinserting batteries.

OPERATING

Display Overview



Image: The AcuRite Indoor/Outdoor Wireless Digital Thermometer system, featuring the main display unit on the left showing outdoor and indoor readings, and the compact wireless outdoor sensor on the right.

The LCD screen provides a clear view of various environmental data. Key sections include:

- **Outdoor Temperature & Humidity:** Displays current readings from the wireless sensor.
- **Indoor Temperature & Humidity:** Displays current readings from the display unit's internal sensors.
- **Time & Date:** The Intelli-Time clock automatically sets itself and updates for Daylight Saving Time.
- **Barometric Pressure History:** Indicates trends in atmospheric pressure.
- **Moon Phase:** Shows the current lunar phase.
- **Signal Strength Indicator:** Shows the strength of the wireless connection between the display unit and the outdoor sensor.

Button Functions (General)

While specific button labels may vary, common functions include:

- **SET/MODE:** Used to enter setup mode for time, date, and other settings. Press to cycle through display modes.
- **UP/DOWN (or +/-):** Used to adjust values during setup or to view high/low records.
- **°C/°F:** Toggles between Celsius and Fahrenheit temperature units. This button is typically located on the back of the display unit or within the battery compartment.
- **RESET:** A small button (often recessed) to perform a factory reset. Requires a paperclip or similar pointed object.

Refer to the on-screen prompts or specific button labels on your device for precise operation.

MAINTENANCE

- **Cleaning:** Wipe the display unit and outdoor sensor with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries in both units when the low battery indicator appears on the display. It is recommended to replace all batteries at the same time to ensure consistent performance.

- **Sensor Care:** Periodically check the outdoor sensor for debris or insect nests that might obstruct ventilation openings.

TROUBLESHOOTING

Problem	Possible Solution
No outdoor data displayed (dashes shown).	◦ Ensure batteries are correctly installed in both units. ◦ Relocate the outdoor sensor or display unit closer to each other. ◦ Reset both units by removing and reinserting batteries. ◦ Check for sources of interference (e.g., large metal objects, electronics).
Inaccurate temperature/humidity readings.	◦ Ensure the outdoor sensor is not in direct sunlight or near heat sources. ◦ Verify the display unit is not near heat vents or direct sunlight indoors. ◦ Allow 20 minutes for readings to stabilize after setup or relocation.
Display screen is blank.	◦ Check battery orientation and ensure they are fresh. ◦ Perform a hard reset by removing batteries for 5 minutes, then reinserting.

SPECIFICATIONS

- **Model Number:** 00411CADI
- **Brand:** AcuRite
- **Product Dimensions:** 5.08 x 9.53 x 15.24 cm (Display Unit, approximate)
- **Weight:** 40 g (approximate, without batteries)
- **Outdoor Temperature Range:** -40°F to 158°F (-40°C to 70°C)
- **Outdoor Humidity Range:** 1% to 99% RH
- **Indoor Temperature Range:** 32°F to 122°F (0°C to 50°C)
- **Indoor Humidity Range:** 1% to 99% RH
- **Wireless Range:** 330 feet (100 meters) RF 433 MHz (unobstructed)
- **Power Source (Display):** 3 x "AAA" alkaline batteries (not included)
- **Power Source (Sensor):** 2 x "AA" alkaline or lithium batteries (not included)
- **Display Type:** LCD
- **Material:** Plastic
- **Special Feature:** Weather-resistant outdoor sensor

WARRANTY & SUPPORT

For warranty information, technical support, or to purchase replacement parts, please visit the official AcuRite website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

AcuRite Official Website: www.acurite.com

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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

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