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› Acurite Weather Station with Colour Display - Indoor/Outdoor - 12-24 Hour Forecast + Programmable Weather Alarms User Manual

AcuRite 4409999

AcuRite Weather Station with Colour Display

Model: 4409999

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your AcuRite Weather Station with Colour Display. This device is designed to provide accurate indoor and outdoor temperature and humidity readings, along with a personalized 12-24 hour weather forecast based on data collected from its outdoor sensor.



Image: The AcuRite Weather Station in its packaging, highlighting the main display unit and the wireless outdoor sensor.

WHAT'S IN THE BOX

Verify that all components listed below are present in your package:

- Colour Display Unit
- Wireless Outdoor Sensor
- Power Adapter for Display Unit
- Mounting Hardware for Outdoor Sensor
- Instruction Manual (this document)
- 2 AA Batteries (for outdoor sensor)

ACU RITE

Weather Station with Colour Display Station météo avec écran couleur

((((wireless)))
SENSOR
capteur
SANS FIL

REQUIRES / REQUIERT

2 x AA
BATTERIES / PILES

INCLUDED / INCLUSES

Display/Affichage

- A** Backlight Button
Bouton de rétroéclairage
- B** Outdoor Temperature
Température extérieure
- C** Outdoor Humidity
Humidité extérieure
- D** Heat Index and Dew Point
Indice de chaleur et point de rosée
- E** Clock
Horloge
- F** 12-24 Hour Weather Forecast
Prévisions météorologiques des 12 à 24 prochaines heures
- G** Barometric Pressure
Pression barométrique
- H** Moon Phase
Phases lunaires
- I** Indoor Temperature
Température intérieure



- J** Indoor Humidity
Humidité intérieure
- K** Indoor Comfort Level
Niveau de confort intérieur
- L** Date
- M** Records
Historiques

Illuminated
Colour Display
Affichage lumineux
en couleur

Outdoor Sensor/Capteur pour l'extérieur

- A** Integrated Hanger
Crochet intégré
- B** Wireless LED Signal Indicator
Témoin de signal sans fil



Product Facts Renseignements sur le produit

Display: Power Adapter (included)
3 x AAA Batteries (optional, not included)
Afficheur: adaptateur (inclus)
3 piles AAA (optionnelles, non incluses)

Sensor: 2 x AA Batteries (included)
Capteur: 2 piles AA (incluses)

Measurement Ranges / Échelle de mesure

Outdoor Temperature/Température extérieure:
-40 °C to 70 °C / -40 °F to 158 °F

Outdoor Humidity/Humidité extérieure:
1% to 99%

Indoor Temperature/Température intérieure:
0 °C to 50 °C / 32 °F to 122 °F

Indoor Humidity/Humidité intérieure:
1% to 99%

Wireless Range/Portée sans fil:
100 m / 330 ft

Depending on home construction materials
Selon les matériaux de construction de la maison

02099CCDI
AcuRite uses patented technology.
Visit www.acurite.com/patents for details.
AcuRite utilise une technologie brevetée.
Visitez www.acurite.com/patents pour plus de détails.
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MADE IN CHINA / FABRIQUÉ EN CHINE

877-221-1252

info@chaney-inst.com

Weather Forecast

Self-Calibrating Forecasting provides your personal forecast of weather conditions for the next 12 to 24 hours by collecting data from a sensor in your backyard. It generates a forecast with pinpoint accuracy - personalized for your exact location.

Plan your day with confidence!™

Prévisions météorologiques

Cette station météo, à étalonnage automatique, vous donne vos prévisions personnelles pour les conditions météorologiques des 12 à 24 prochaines heures, à partir des données enregistrées par le capteur installé dans votre jardin. Elle réalise un bulletin météorologique, extrêmement précis, personnalisé pour votre emplacement exact.

Organisez votre journée en toute confiance!

It's More Than Accurate, it's ACU RITE.

1
YEAR
LIMITED 1-YEAR WARRANTY
GARANTIE LIMITÉE DE 1 AN
Register your product on:
Enregistrez votre produit:
www.AcuRite.com

Image: Rear view of the product packaging, illustrating the various features and included components of the weather station system.

SETUP GUIDE

1. Powering the Display Unit

1. Insert 3 AA alkaline batteries (not included for display unit) into the battery compartment on the back of the display unit. Ensure correct polarity (+/-).
2. Plug the power adapter into a standard electrical outlet and then into the power jack on the back of the display unit. The display will illuminate.

2. Installing the Outdoor Sensor

1. Remove the battery compartment cover on the back of the outdoor sensor.

2. Insert the 2 AA batteries (included) into the battery compartment. Ensure correct polarity (+/-).
3. Close the battery compartment cover securely.
4. Mount the outdoor sensor in a location that is out of direct sunlight and away from heat sources, such as exhaust vents or windows. An ideal location is under an eave or on a north-facing wall. Ensure it is within 330 feet (100 meters) of the display unit.



Image: The compact wireless outdoor sensor, designed for easy placement in an outdoor environment.

3. Initial Synchronization

Once both the display unit and outdoor sensor are powered, they will automatically attempt to synchronize. This may take a few minutes. The outdoor temperature and humidity readings will appear on the display once a connection is established.

OPERATING INSTRUCTIONS

Display Overview

The colour display unit presents various environmental data points. Familiarize yourself with the different sections:

- **Indoor Temperature & Humidity:** Current readings for the environment around the display unit.
- **Outdoor Temperature & Humidity:** Current readings transmitted from the wireless outdoor sensor.
- **12-24 Hour Weather Forecast:** An icon-based forecast predicting conditions for the next 12 to 24 hours.
- **Moon Phase:** Displays the current phase of the moon.
- **Barometric Pressure:** Shows the current atmospheric pressure and its trend.
- **Time & Date:** Current time and calendar date.



Image: A detailed view of the weather station's vibrant color display, showcasing temperature, humidity, forecast, and time.

Setting Time and Date

Press the 'SET' button (usually located on the back or side of the unit) to enter setup mode. Use the 'UP' and 'DOWN' arrows to adjust values, and 'SET' to confirm and move to the next setting. Settings typically include time zone, daylight saving time, hour, minute, month, day, and year.

Understanding Weather Forecast

The weather station utilizes a unique self-calibrating forecasting system that analyzes changes in barometric pressure over a 14-day period to generate a personalized forecast for your exact location. This forecast is represented by various icons (e.g., sunny, partly cloudy, rainy, snowy).

Programmable Weather Alarms

Your weather station features programmable alarms for specific weather conditions, such as high/low temperature or humidity. Refer to the detailed instructions in the full manual for setting and managing these alarms to receive alerts when conditions exceed your set parameters.

MAINTENANCE

Cleaning the Display Unit

Wipe the display and casing with a soft, damp cloth. Do not use abrasive cleaners or chemicals that may damage the surfaces.

Battery Replacement

Replace batteries in the outdoor sensor approximately every 12-24 months, or when the low battery indicator appears on the display. For the display unit, the batteries serve as a backup in case of power outage; replace them annually to ensure continuous backup functionality.

Sensor Placement Tips

For optimal accuracy, ensure the outdoor sensor is placed in a shaded area, protected from direct precipitation, and away from heat-emitting devices. This helps prevent inaccurate temperature readings due to solar radiation or artificial heat sources.

TROUBLESHOOTING

Issue	Solution
No outdoor data displayed	Ensure batteries are correctly installed in the outdoor sensor. Bring the sensor closer to the display unit. Press the 'RESET' button on both units.
Inaccurate temperature/humidity	Verify sensor placement is away from direct sunlight, heat sources, or reflective surfaces. Allow 14 days for the self-calibrating forecast to learn your environment.
Display not working	Check power adapter connection. Ensure batteries are fresh and correctly inserted. Perform a full reset by removing all power sources for 1 minute.

PRODUCT SPECIFICATIONS

- **Model Number:** 4409999
- **Power Source (Display):** AC Power Adapter (included), 3 AA Batteries (backup, not included)
- **Power Source (Sensor):** 2 AA Batteries (included)
- **Connectivity Technology:** 433 MHz Wireless
- **Outdoor Temperature Range:** -40°F to 158°F (-40°C to 70°C)
- **Indoor Temperature Range:** 32°F to 122°F (0°C to 50°C)
- **Humidity Range:** 1% to 99% RH
- **Wireless Range:** 330 feet (100 meters)
- **Material:** Durable Plastic
- **Color:** Black

WARRANTY AND SUPPORT

AcuRite products are designed with quality and durability in mind. For specific warranty details and terms, please refer to the warranty card included with your product or visit the official AcuRite website. Should you require technical assistance or have questions regarding your weather station, please contact AcuRite Customer Support through their official channels.

For the most up-to-date support information, including FAQs and contact methods, please visit www.acurite.com/support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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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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