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AcuRite 75440 Large Wireless Atomic Clock Instruction Manual

Model: 75440

PRODUCT OVERVIEW

The AcuRite Model 75440 is a large wireless atomic clock designed to provide precise timekeeping along with indoor and outdoor temperature readings. It automatically synchronizes with the National Institute of Standards and Technologies (NIST) radio signal for accurate time and adjusts for Daylight Saving Time. The unit features a clear LCD display showing time, date, day of the week, and both indoor and outdoor temperatures.



Image: Front view of the AcuRite 75440 clock, showing its large digital display with time, indoor temperature, date, day of the week, and outdoor temperature.

KEY FEATURES

- **Atomic Clock with Calendar:** Automatically sets to the precise time, date, and day of the week.
- **Automatic DST Adjustments:** Updates for Daylight Saving Time changes.
- **Indoor and Outdoor Thermometers:** Displays current indoor temperature via a built-in sensor and outdoor temperature from a wireless sensor.
- **Large, Easy-to-Read Display:** High-contrast LCD for clear visibility.
- **Wireless Operation:** Battery-powered for flexible placement without cords.
- **Low-Battery Indicators:** Alerts for both clock and outdoor sensor battery replacement.

SETUP GUIDE

1. Unpacking and Battery Installation

Carefully remove all components from the packaging. Locate the battery compartments on both the main clock unit and the wireless outdoor sensor.

1. **Main Clock Unit:** Open the battery compartment cover on the back of the clock. Insert three (3) AA alkaline batteries (not included) according to the polarity markings (+/-). Replace the cover.
2. **Outdoor Sensor:** Open the battery compartment cover. Insert two (2) AA alkaline batteries (not included) according to the polarity markings (+/-). Replace the cover.



Image: Rear view of the clock showing the battery compartment with batteries installed.

2. Initial Synchronization

After installing batteries, the clock will automatically begin searching for the atomic time signal and the outdoor sensor signal. This process may take several minutes. Ensure both units are within reasonable proximity during initial setup.

3. Placement of the Main Clock Unit

The main clock unit can be placed on a tabletop using its integrated fold-out stand or mounted on a wall using the keyhole slot on the back.

- **Tabletop Placement:** Extend the fold-out stand on the back of the clock to position it upright on a flat surface.
- **Wall Mounting:** Use a screw (not included) securely fastened into a wall stud or appropriate anchor. Hang the clock using the keyhole slot.





Image: Side profile of the clock showing the extended stand for tabletop display.



Image: The clock mounted on a wall, demonstrating its wall-mount capability.

4. Placement of the Outdoor Sensor

For accurate temperature readings, the outdoor sensor should be placed in a location that is protected from direct sunlight and precipitation. It should also be within 165 feet (50 meters) of the main clock unit.

- Hang the sensor using its integrated hanger on a tree branch, under an eave, or on a post or fence.
- Avoid placing the sensor near heat sources (e.g., air conditioning units, vents) or reflective surfaces that could affect temperature readings.



Image: The wireless outdoor sensor hanging from a tree branch, illustrating typical placement.

OPERATION

Display Layout

The large LCD display provides the following information:

- **Time:** Current time (AM/PM indicator).
- **Indoor Temperature:** Temperature measured by the clock's internal sensor.
- **Date:** Month and day.
- **Day of the Week:** Abbreviated day of the week.
- **Outdoor Temperature:** Temperature transmitted from the wireless outdoor sensor.
- **Indicators:** Atomic signal strength, outdoor sensor signal strength, low battery.



Image: Annotated diagram of the clock display, highlighting key information areas.

Button Functions (Rear of Unit)

The control buttons are located on the back of the main clock unit:



Image: Rear view of the clock, detailing the location of control buttons.

- **SET:** Press to enter manual setting mode for time and date.
- **°C/°F:** Press to toggle between Celsius and Fahrenheit temperature display.
- **UP (▲) / DOWN (▼):** Use to adjust values during manual setting.
- **OUTDOOR CHANNEL:** Press to cycle through outdoor sensor channels (if multiple sensors are used).
- **HOLD / RCC SEARCH:** Press and hold to manually initiate an atomic time signal search.
- **RESET:** Small recessed button (use a paperclip) to perform a factory reset.

Manual Time and Date Setting

While the atomic clock function is automatic, you can manually set the time and date if needed (e.g., during initial setup before signal acquisition or in areas with poor signal reception).

1. Press the **SET** button. The hour digit will flash.
2. Use the **UP (▲)** or **DOWN (▼)** buttons to adjust the hour.
3. Press **SET** again to confirm and move to the next setting (minutes, year, month, day).

4. Repeat steps 2 and 3 until all settings are adjusted.
5. Press **SET** one last time to exit manual setting mode.

Daylight Saving Time (DST)

The clock is designed to automatically adjust for Daylight Saving Time changes based on the atomic time signal. No manual intervention is typically required.

MAINTENANCE

Battery Replacement

When the low battery indicator appears on the display for either the main unit or the outdoor sensor, replace the batteries promptly. Refer to the "Battery Installation" section under Setup for instructions.

- Always use fresh, high-quality alkaline batteries.
- Do not mix old and new batteries, or different types of batteries.
- Dispose of old batteries responsibly according to local regulations.

Cleaning

Clean the clock and sensor with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these may damage the display or casing.

TROUBLESHOOTING

Problem	Possible Solution
No outdoor temperature reading or flashing dashes.	• Ensure batteries are correctly installed in the outdoor sensor and are not depleted. • Relocate the outdoor sensor closer to the main unit. Ensure it is within 165 feet (50 meters) and free from major obstructions (thick walls, large metal objects). • Try changing the outdoor sensor's channel (if applicable) and resynchronizing. • Perform a full reset: Remove batteries from both units, wait 1 minute, then reinsert batteries into the outdoor sensor first, followed by the main clock unit.
Incorrect time or atomic clock signal not received.	• Ensure the clock is placed away from electronic devices that may cause interference (TVs, computers, microwaves). • Manually initiate an atomic time signal search by pressing and holding the HOLD / RCC SEARCH button. • If signal reception is consistently poor, manually set the time as described in the "Manual Time and Date Setting" section.
Display is dim or blank.	• Replace the batteries in the main clock unit. • Ensure batteries are inserted with correct polarity.

SPECIFICATIONS

Model Number	75440
Product Dimensions	12.5 x 1.5 x 10.5 inches
Item Weight	1.49 pounds (0.68 Kilograms)
Power Source	Battery Powered
Batteries Required (Main Unit)	3 x AA (not included)
Batteries Required (Outdoor Sensor)	2 x AA (not included)
Connectivity Technology	Wireless
Temperature Accuracy	±0.5 °C
Material	Plastic
Display Type	Digital

WARRANTY INFORMATION

The AcuRite 75440 Large Wireless Atomic Clock comes with **aone-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. For specific terms and conditions, please refer to the warranty documentation included with your product or visit the official AcuRite website.

CUSTOMER SUPPORT

For further assistance, technical support, or warranty claims, please contact AcuRite customer service. AcuRite is based in Lake Geneva, WI, USA, and is known for its USA-based customer service. Please visit the [AcuRite Store on Amazon](#) for more product information or to find contact details for customer support.

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Name

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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

Answered questions about this manual

On the AcuRite 75440 Large Wireless Atomic Clock, how tall are the numbers that show the time?

While the official manual for the AcuRite 75440 does not explicitly state the exact height of the time digits, we can infer their size based on the product's overall dimensions. The clock unit measures...

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