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Log on to http://www.chaneyinstrument.com/product_reg.htm

LIMITED ONE YEAR WARRANTY

Chaney Instrument Company warrants that all products it manufactures to be of good material and workmanship and to be free of defects if properly installed and operated for a period of one year from date of purchase. REMEDY FOR BREACH OF THIS WARRANTY IS EXPRESSLY LIMITED TO REPAIR OR REPLACEMENT OF DEFECTIVE ITEMS. Any product which, under normal use and service, is proven to breach the warranty contained herein within ONE YEAR from date of sale will, upon examination by Chaney, and at its sole option, be repaired or replaced by Chaney. In all cases, transportation costs and charges for returned goods shall be paid for by the purchaser. Chaney hereby disclaims all responsibility for such transportation costs and charges. This warranty will not be breached, and Chaney will give no credit for products it manufactures which shall have received normal wear and tear, been damaged, tampered, abused, improperly installed, damaged in shipping, or repaired or altered by others than authorized representatives of Chaney.

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For in-warranty repair, please contact:

Customer Care Department
Chaney Instrument Company
965 Wells Street
Lake Geneva, WI 53147

Chaney Customer Care

877-221-1252

Mon-Fri 8:00 a.m. to 4:45 p.m. CST

www.chaneyinstrument.com



This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:
1- This device may NOT cause harmful interference, and
2- This device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are

designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, There is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment.

Patent numbers: 5,978,738; 6,076,044; 6,597,990

ACURITE®
DESIGNED TO WORK FOR YOU™

Wireless Weather Station
with barometric pressure charting

ITM./ART. 43398I

Instruction Manual

Package Contents:

- (1) Main Unit (A) with stand
- (1) Wireless Sensor (B)
- (1) Instruction Manual

What You Need:

- Small Phillips Screwdriver
 - [5] AA batteries
- see "Install Batteries"(pg.2)



A. Main Unit

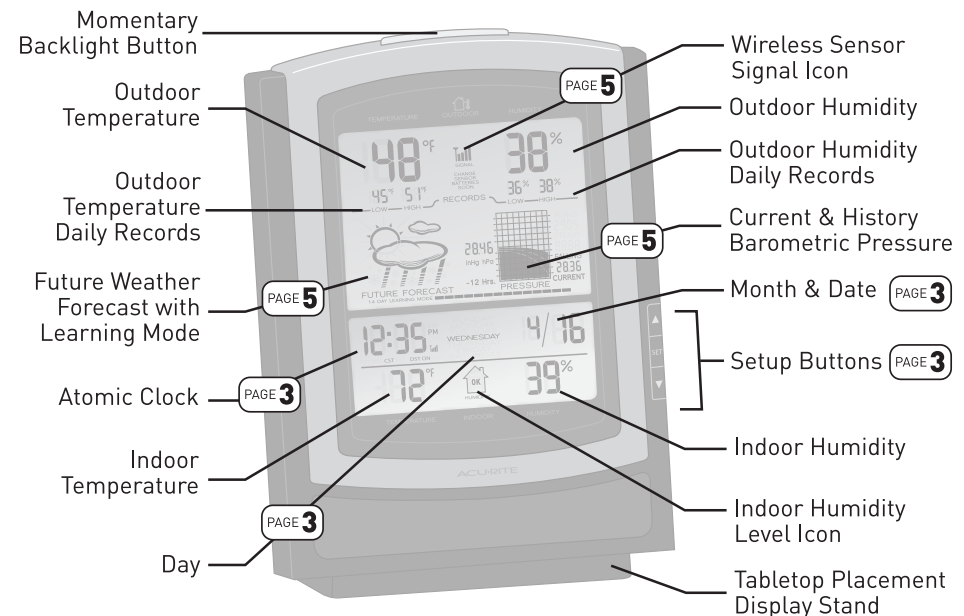


B. Wireless Sensor

Thank You for purchasing this ACURITE® product. Please read this manual in it's entirety to fully enjoy the benefits and features of this product. Please keep this manual for future reference.

NOTE: A clear film is applied to the LCD at the factory that must be removed prior to using this product. Locate the clear tab and simply peel to remove.

1 • OVERVIEW OF FEATURES



Battery Choice & Temperature Range

Extended periods of cold temperatures (below -4°F / -20°C) can cause alkaline batteries to function improperly. This will cause the outdoor wireless sensor to stop transmitting temperature readings. Use lithium batteries in these low temperature conditions to ensure continued operation for wireless sensors placed outdoors. NOTE: Rechargeable batteries are not recommended due to higher operating voltages.

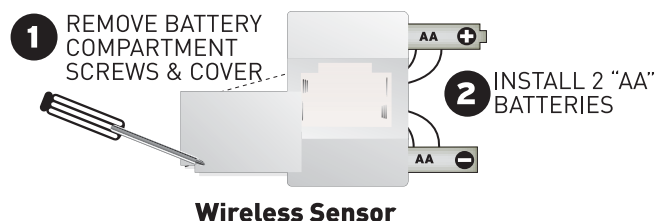


Install Batteries

NOTE: Install all batteries in both units within a 6 minute period to ensure proper wireless functionality. **Always install batteries into the wireless sensor FIRST.**

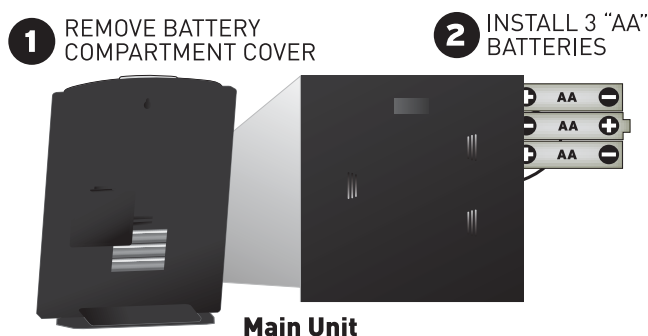
A. Wireless Sensor

Remove the 4 battery compartment screws and cover utilizing a small Phillips type screwdriver. Install 2 fresh "AA" batteries as shown here.



B. Main Unit

Remove the battery compartment cover and install 3 fresh "AA" batteries as shown here.



A/B/C Wireless Selection

To allow for more than one weather station and wireless sensor network to be used in close proximity, the main unit and the wireless sensor have a small switch labeled "A B C" within the battery compartments. This switch selects one of 3 wireless modes to use, and both switches **MUST** be set in matching positions (either A, B, or C) for wireless communication to take place successfully.

About the Atomic Clock

A clock is considered atomic if it has an accuracy of one second in a million years. Consumer clocks are considered atomic if they attain this accuracy by receiving a signal from an atomic clock. In North America, the National Institute of Standards and Technologies operates an atomic clock in Colorado which transmits the time codes via the radio station WWVB. The Acurite clock you have purchased includes a built-in receiver which picks up the signal from the WWVB station. For the best possible reception, place the main unit with the back side facing Colorado. NOTE: Due to solar radiation in the atmosphere, the atomic clock signal is weaker during the day. Most synchronization with the WWVB atomic clock signal happens at night when there is less interference.

Main Unit : Basic Setup

After installing batteries, it is recommended that you set the clock and calendar initially. After the atomic clock signal is acquired, which may take up to 24 hours, the clock accuracy and daylight saving time changes will be automatically maintained.

To **set the clock and other preferences**, press the "SET" button to enter into SET MODE. Once in set mode, the preference you are currently setting will blink on the display.

To **adjust** the currently selected (flashing) preference item, press the "▲" or "▼" buttons (press and HOLD to fast adjust).

To **save** your adjustments, press the "SET" button again to move on to adjusting the next preference. The preference set order is as follows:

TIME ZONE (PST MST CST EST)
DST (Daylight Saving Time ON OR OFF)
CLOCK HOUR
CLOCK MINUTE
CALENDAR DATE
CALENDAR MONTH
CALENDAR YEAR
TEMPERATURE SCALE ($^{\circ}\text{F}$ or $^{\circ}\text{C}$)
BAROMETRIC PRESSURE SCALE (inHg or hPa)

You will automatically exit SET MODE if no buttons are depressed for :30 seconds. You may enter basic setup mode again at any time by pressing the "SET" button.

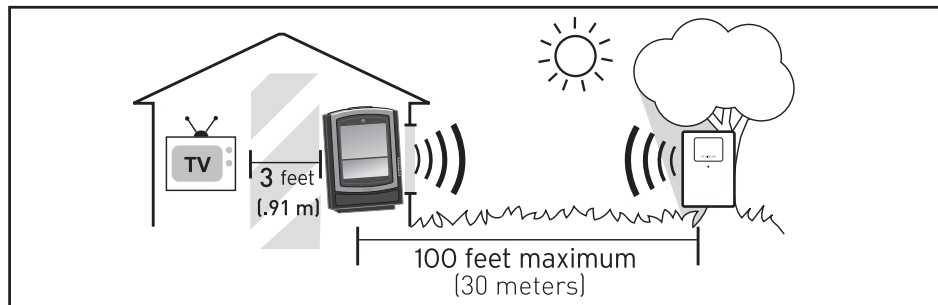
Basic Setup is Now Complete

The wireless sensor will soon send a signal to the main unit and the two units will be synchronized. It may take a few minutes for synchronization to be complete. If both or one of the units appear to be functioning improperly, refer to the troubleshooting section in this manual.

SECTION 3 • PLACEMENT

Now that setup is complete, you must choose a location to place the wireless sensor and the main unit. The wireless sensor **MUST** be placed less than 100 feet (30 meters) away from the main unit.

This wireless thermometer uses radio frequency for communication, which is susceptible to interference from other electronic devices and large metallic items or thick walls. Always place both units at least 3 feet (.91 m) away from appliances (TV, microwave, radios, etc.) or objects that may interfere with the wireless communication (large metal surfaces, thick stone walls, etc.).



Placement of Main Unit

Place the main unit in a dry area free of dirt and dust. To help ensure an accurate indoor temperature measurement, be sure to place the main unit out of direct sunlight, and away from any heat sources or vents in your home. For the best atomic clock signal reception, place the main unit with the back side facing the state of Colorado.

There are 2 placement options for the main unit. You may hang the main unit on a wall using the integrated hang hole. Alternatively, you may place the main unit on a table top or other flat surface using the included detachable table top display stand.



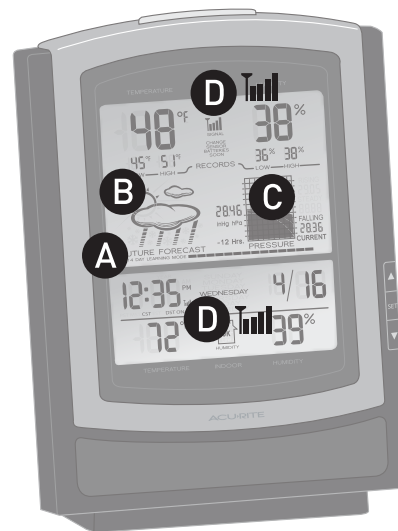
Placement of Sensor

The wireless sensor **MUST BE PLACED OUTDOORS** to observe outdoor temperatures/humidity and relay the outdoor temperature/humidity to the main unit display. The wireless sensor must be placed less than 100 feet (30 m) from the main unit.

The wireless sensor is water resistant and is designed for outdoor use. However, to extend the life of the product, place the wireless sensor in an area protected from direct weather elements. To ensure an accurate outdoor temperature measurement, be sure the wireless sensor is placed out of direct sunlight and away from any heat sources. Additionally, to prevent inaccurate humidity readings, do not place the sensor near any water or moisture sources.

SECTION 4 • OPERATION

After the main unit and the wireless sensor are both powered on and wireless synchronized, no further input is required. The atomic clock will automatically re-synchronize occasionally to ensure the clock is accurate (provided the atomic clock signal is acquired).



A 14 Day Learning Mode

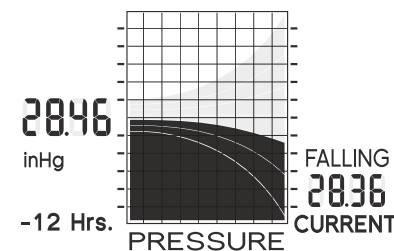
This weather station has a patented “fourteen day learning mode” calibration process. During this learning mode the weather station will make altitude calculations that may affect the accuracy of the forecast. Once the 14 day learning mode process is complete, the learning mode icon will disappear and the weather forecast should be ready for superior operation.

B Forecast Icon

This feature gives you the predicted weather forecast for the next 12 to 24 hours based on an advanced algorithm that includes barometric pressure and temperature. This weather station will provide the most accurate forecast that a single station weather instrument can provide.

C Barometric Pressure: Current and History

This weather station has a pressure graph that tracks and displays the barometric pressure 12 hours ago as well as the current barometric pressure. Additionally, the graph will automatically display the “FALLING”, “STEADY” or “RISING” icon and a curve to represent the rate of change over the previous 12 hour time period.



D Wireless Signal Reception Icons

The main unit has signal reception icons in the outdoor temperature display area and near the atomic clock display. If there are a low number of “bars” present, you may experience no temperature display (“--”) or inaccuracy. In either case, you may need to relocate one or both of the units. If most or all 4 of the bars are present, wireless reception is good and no action is required. If the atomic clock signal bars are low, the clock may be inaccurate or may not automatically adjust for daylight saving time (DST).

Troubleshooting

Problem	Possible Solution
Bad Wireless Sensor Reception  no bars	Relocate the main unit and/or the wireless sensor. Both units must be within 100 feet (30 m) from each other. Make sure both units are placed at least 3 feet (.91 m) from other electronic appliances and devices that may interfere with the wireless communication (such as TV's, microwaves, computers etc). NOTE: It may take up to 20 minutes for the main unit to re-synchronize with the sensor when batteries are replaced. Use lithium batteries in sensor when temperature is below -4°F (-20°C).
Bad Atomic Clock Reception  no bars	Relocate the main unit. It is important that the main unit back side is facing the state of Colorado for optimum reception. Make certain there are no large stone or metallic surfaces disrupting the signal line-of-sight to Colorado. Make sure the main unit is placed at least 3 feet (.91 m) from other electronic appliances and devices that may interfere with the wireless communication (such as TV's, microwaves, computers etc). Large metallic surfaces will interfere with the atomic clock signal.
No Wireless Sensor Data (no communication)  no bars and flashing "--" data	If wireless reception is bad (no bars), see "Bad Reception" section above. The wireless ID setting on each unit must match for all units to communicate properly. See "Set Wireless ID" on the next page.
Main Unit Display Not Working	Make certain that the batteries are installed correctly. The batteries may need replacing.



Please DO NOT return product to the retail store.

For technical assistance and product return information, please call Customer Care: **877-221-1252** Mon. - Fri. 8:00 A.M. to 4:45 P.M. (CST)

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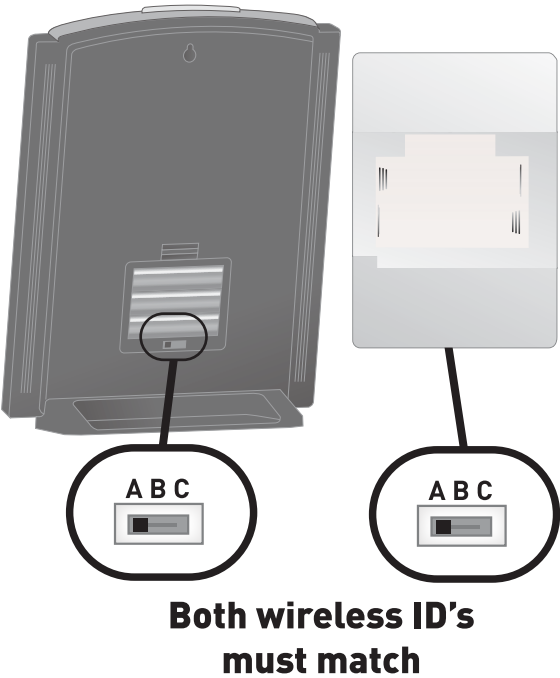
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Set Wireless ID

This wireless thermometer uses long range 433mhz radio frequency for communication.

In the event that you have reception problems due to interference, both the main unit and the wireless sensor have a selectable wireless ID. The ID switches are located within the battery compartments of the main unit and the wireless sensor.

You may choose A, B or C; but both the main unit and the **wireless sensor ID's must match** for successful synchronization.



SECTION 5 • PRODUCT SPECIFICATIONS

Measurement Ranges

Temperature
Main Unit: 32°F to 122°F / 0°C to 50°C
Wireless Sensor: -40°F to 158°F / -40°C to 70°C

Specifications

Power Requirements
Main Unit: 3 x "AA" alkaline or lithium batteries
Wireless Sensor: 2 x "AA" alkaline or lithium batteries

Atomic Clock
Frequency: WWVB 60Khz
Synchronizes Daily

Wireless Communication 433 mhz Radio Frequency-Transmission every 16 seconds

PLEASE DISPOSE OF OLD OR DEFECTIVE BATTERIES IN AN ENVIRONMENTALLY SAFE WAY AND IN ACCORDANCE WITH YOUR LOCAL LAWS AND REGULATIONS.
BATTERY SAFETY: Clean the battery contacts and also those of the device prior to battery installation. Remove batteries from equipment which is not to be used for an extended period of time. Follow the polarity (+/-) diagram in the battery compartment. Promptly remove dead batteries from the device. Dispose of used batteries properly. Only batteries of the same or equivalent type as recommended are to be used. DO NOT incinerate used batteries. DO NOT dispose of batteries in fire, as batteries may explode or leak. DO NOT mix old and new batteries or types of batteries (alkaline/standard). DO NOT use rechargeable batteries. DO NOT recharge non-rechargeable batteries. DO NOT short-circuit the supply terminals.