



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)

www.chaneyinstrument.com

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

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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 Thermometer

#00592W2



A. Main Unit



B. Wireless Sensor

Instruction Manual

Package Contents:

- (1) Main Unit (A)
- (1) Wireless Sensor (B)
- (1) Hardware Bag
- (1) Instruction Manual

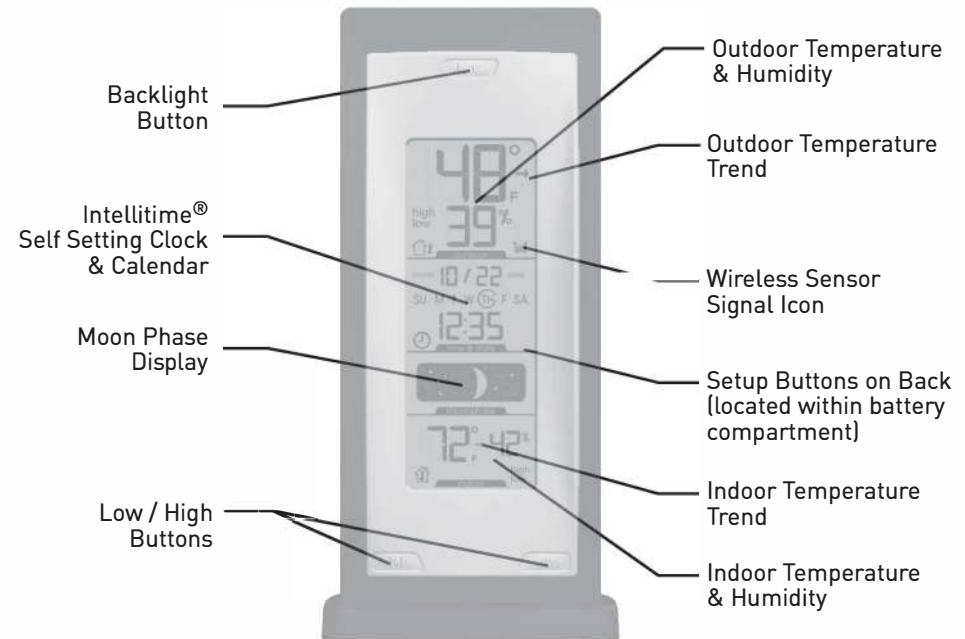
What You Need:

- (5) AA batteries

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 on the left side of the display and simply peel to remove.

1 • OVERVIEW OF FEATURES



2 • SETUP

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.

LITHIUM BATTERIES -40°F (-40°C) (70°C) 158°F

ALKALINE BATTERIES -4°F (-20°C) (70°C) 158°F



PLEASE DISPOSE OF OLD OR DEFECTIVE BATTERIES IN AN ENVIRONMENTALLY SAFE WAY AND IN ACCORDANCE WITH YOUR LOCAL LAWS AND REGULATIONS.

BATTERY SAFETY: 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.

A/B/C Wireless Identity Selection

To allow for more than one main unit 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 identities to use, and both switches **MUST** be set in matching positions (either A, B, or C) for wireless communication to take place successfully.

Install Batteries

Wireless Sensor

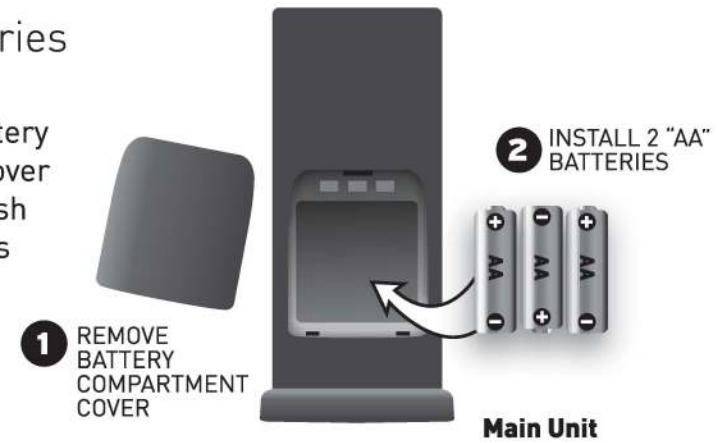
Remove the battery compartment cover. Install 2 fresh "AA" batteries as shown here.



Install Batteries

Main Unit

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



About the Set and Forget Clock

Your new wireless thermometer is equipped with Intellitime® technology which is pre-programmed with the correct time and date. Intellitime® technology instructs the clock to self set itself once batteries are installed. All you need to do is select your Time Zone and Daylight Saving Time preferences. The clock will automatically set itself and change automatically for Daylight Saving Time.

Main Unit : Time and Date Set

Press and hold the "SET" button (located on the back of the main unit in the battery compartment) for 3 seconds to enter into SET MODE. Once in set mode, the preference you are currently setting will blink on the display.

The preference set order is as follows:

TIME ZONE
DAYLIGHT SAVING TIME OBSERVANCE (on or off)
CLOCK HOUR (note AM and PM indicators)
CLOCK MINUTE
MONTH
DATE
YEAR
TEMPERATURE UNITS ($^{\circ}\text{F}$ or $^{\circ}\text{C}$)



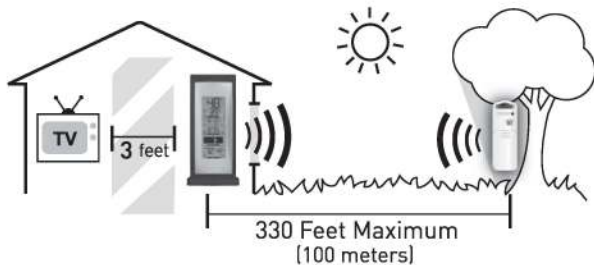
To adjust the currently selected (flashing) preference item, press the "▼" or "▲" buttons in the battery compartment to adjust up or down to the desired setting (press and HOLD to fast adjust). To save your adjustments, press the "SET" button again to move on to adjusting the next preference.

You will automatically exit TIME/DATE SET MODE if there is no button activity for 30 seconds. You may enter basic setup mode again at any time by pressing and holding the "SET" button.

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 330 feet (100 m) 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 (large metal surfaces, thick stone walls, etc.) that may interfere with the wireless communication.



Placement of Main Unit

Place the main unit in a dry area free of dirt and dust. To help ensure an accurate indoor temperature and humidity measurement, be sure to place the main unit out of direct sunlight, and away from any heat sources or vents in your home. There are 2 placement options for the main unit. It can be hung on a wall using the integrated hang hole or placed on a tabletop or other flat surface using the detachable stand.



Placement of Sensor

The wireless sensor **MUST BE PLACED OUTDOORS** to observe outdoor temperature and humidity. The wireless sensor must be placed less than 330 feet (100 m) from the main unit.

The wireless sensor is water **resistant** and is designed for general 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.

There are 2 placement options for the wireless sensor. You may hang it on a wall using one of the two integrated hang holes, or use string (not included) to hang it from a suitable location like a well covered tree branch.

4 • OPERATION

After the main unit and the wireless sensor are both powered on and wirelessly synchronized, no further input is required.

A WIRELESS SIGNAL RECEPTION ICON

The main unit has a signal reception icon near the outdoor temperature display area. 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 you are experiencing reception issues, refer to the troubleshooting section.

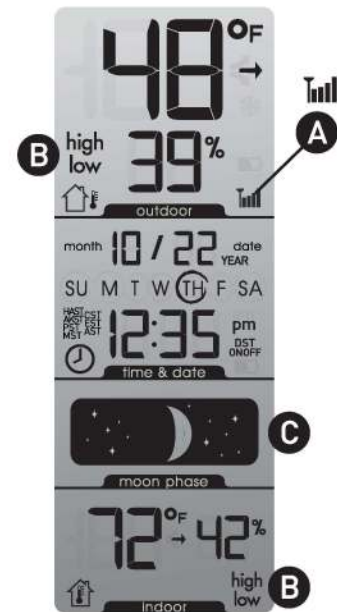
SIGNAL RECEPTION



SEARCHING FOR SIGNAL



NO SIGNAL RECEPTION

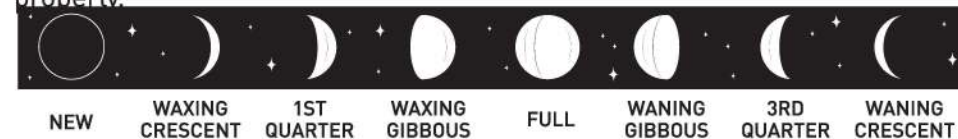


B DAILY LOW/HIGH TEMPERATURE MEMORY DISPLAY



Press the LOW or HIGH button once to view the LOWEST or HIGHEST recorded values for temperature and humidity. While viewing the LOWEST or HIGHEST recorded value, press and hold the “LOW or HIGH button for 2 seconds to manually clear the currently displayed recorded values. The LOW and HIGH recorded values will automatically clear and reset at 12:00 am (midnight) every day.

C MOON PHASE

This weather station features a moon phase window which will automatically display the current moon phase, provided the calendar is set properly.



Troubleshooting

Problem	Possible Solutions
<p>LOW Wireless Sensor Reception</p>  <p>low bars</p>	<p>NOTE: It may take up to 20 minutes for the main unit to re-synchronize with the sensor when batteries are replaced.</p> <p>Make certain both units are within 330 feet (100 m) of each other.</p> <p>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).</p> <p>Use lithium batteries in the outdoor sensor when temperature is below -4°F (-20°C).</p>
<p>NO Wireless Sensor Reception</p>  <p>no bars and flashing antenna icon</p>	<p>Make certain both units are within 330 feet (100 m) of each other.</p> <p>The wireless ID setting on each unit must match for all units to communicate properly. See "Set Wireless ID" on the next page.</p> <p>There may be interference, try relocating each unit for better reception.</p> <p>The batteries may need to be replaced.</p>
<p>Main Unit Display Not Working</p>	<p>Make certain that the batteries are installed correctly and that they are contacting the terminals. Make certain all contacts are clean.</p> <p>The batteries may need to be replaced.</p>

PRODUCT REGISTRATION

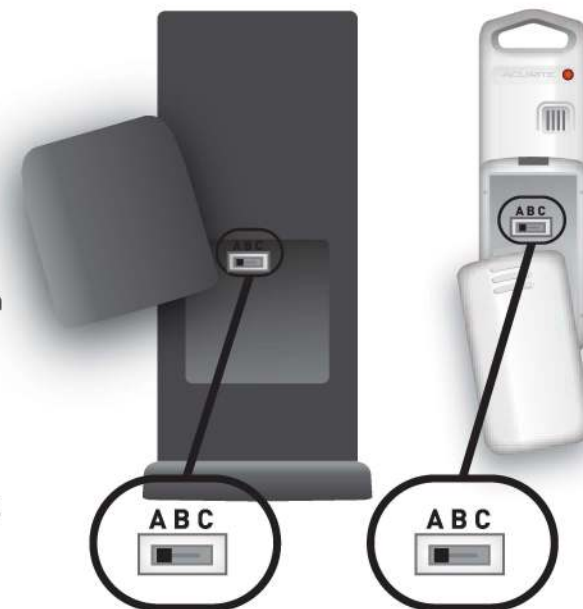
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Set Wireless ID

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

In the event that you have reception problems due to interference from another sensor network nearby, 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.



Both wireless ID's must match

You may choose A, B or C; but both the main units and the wireless sensors IDs must match for successful synchronization.

5 • PRODUCT SPECIFICATIONS

Measurement Ranges

Temperature

Main Unit (indoor): 32°F to 122°F / 0°C to 50°C

Wireless Sensor (outdoor): -40°F to 158°F / -40°C to 70°C

Use lithium batteries in the outdoor sensor when temperature is below -4°F (-20°C).

Humidity

Main Unit (indoor): 20% to 95% relative humidity (operating temp. 32°F to 122°F/ 0°C to 50°C)

Wireless Sensor (outdoor): 20% to 95% relative humidity humidity sensor operating temp. 32°F to 122°F/ 0°C to 50°C)

NOTE: As with all humidity sensors, accuracy diminishes substantially when the temperature is below 32°F (0°C).

Specifications

Power Requirements

Main Unit: 3 x "AA" alkaline batteries

Wireless Sensor: 2 x "AA" alkaline or lithium batteries

Wireless Communication

Radio Frequency: 433 mhz

Transmission Intervals: every 16 seconds