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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 4:30 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

010131W INST 101410

ACURITE®

DESIGNED TO WORK FOR YOU™



Wireless Thermometer

model #01031W

Instruction Manual

Introduction

The Acurite® Thermometer with wireless outdoor sensor collects outside weather data and sends it wirelessly to the Display Unit via a low-power radio frequency. This thermometer has been designed to be easy to install and use.

The sleek display unit houses a liquid crystal display (LCD) which will calculate and display all the weather data received from the wireless sensor outside. The display unit features a temperature sensor for measuring indoor temperature. The Display Unit is powered with two "AA" alkaline batteries (not included).

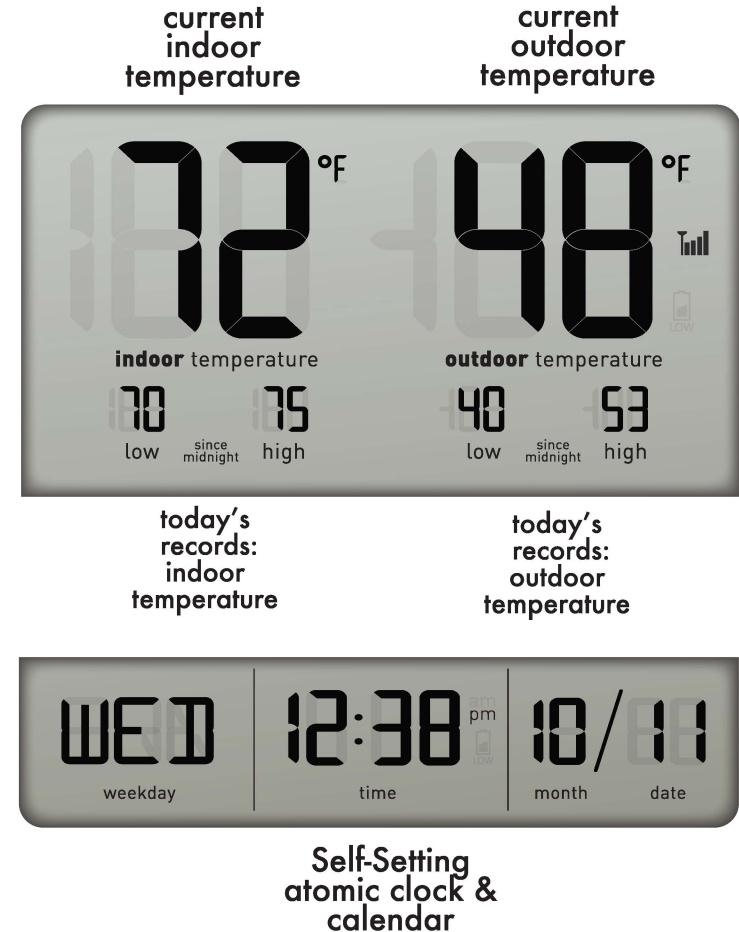
The wireless outdoor sensor is completely wireless and contains a sensor for measuring outdoor temperature. The wireless outdoor sensor is powered with two "AA" alkaline or lithium batteries (not included).

Please read through this manual to learn more about the Acurite® Thermometer. Keep this manual for future reference.

Parts List model #01031W

1. Display Unit
2. Wireless outdoor sensor

Display Features

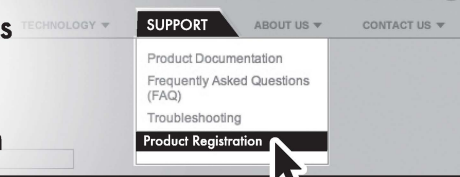


PRODUCT REGISTRATION

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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.

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: 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.

Installing Batteries - Wireless Sensor

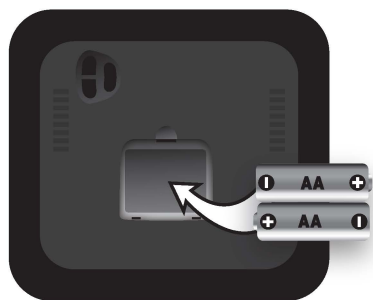
Remove the battery compartment cover. Install 2 fresh "AA" batteries as shown here.



BATTERIES MUST BE INSTALLED FOR THE SENSOR TO OPERATE

Installing Batteries - Display Unit

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



About the Self Setting 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 display 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.

Display Unit : Basic Setup

Press the "SET" button to enter into set mode. The time zone (next to the clock display) will begin blinking.

To adjust the currently selected (flashing) preference item, press the "▲" or "▼" buttons.

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 AST HAST AKST)
DST (Daylight Saving Time ON or OFF)
CLOCK HOUR
CLOCK MINUTE
CALENDAR MONTH
CALENDAR DATE
CALENDAR YEAR

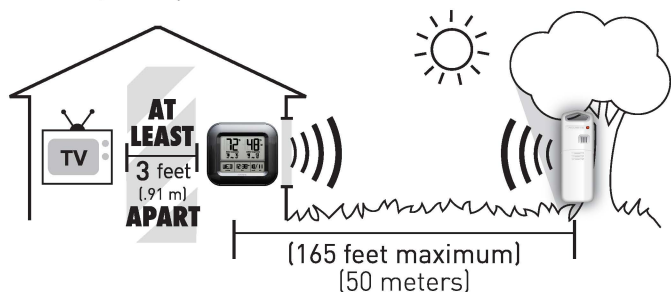
You will automatically exit SET MODE if no entries are changed for 30 seconds. You may enter basic setup mode again at any time by pressing the "SET" button.

TO SELECT EITHER $^{\circ}\text{F}$ OR $^{\circ}\text{C}$ TEMPERATURE UNITS:

Press the "▲" button while in normal display mode (NOT in "SET" mode).

Now that setup is complete, you must choose a location to place the wireless sensor and the display unit. The wireless sensor **MUST** be placed less than 165 feet (50 meters) away from the display unit.

This wireless forecaster 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 Display Unit

Place the display unit in a dry area free of dirt and dust. To help ensure an accurate indoor temperature measurement, be sure to place the display unit out of direct sunlight, and away from any heat sources or vents in your home. There are 2 placement options for the display unit. You may hang the display unit on a wall using the integrated hang hole. Alternatively, you may place the display unit on a table top or other flat surface using the integrated fold-out table top display stand.

Placement of Sensor

The wireless sensor **MUST BE PLACED OUTDOORS** to observe outdoor temperatures. The wireless sensor must be placed less than 165 feet (50 meters) from the display 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 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.

Problem	Possible Solution
Bad Wireless Sensor Reception no bars	Relocate the display unit and/or the wireless sensor. Both units must be within 165 feet (50 meters) 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 display 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	Rotate the wireless sensor 90° on its mounting point. Make sure the main unit and wireless sensor 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). Large metallic surfaces will interfere with the atomic clock signal.
Display Unit Screen Not Working	Batteries may need replacing Check that batteries are correctly installed

Product Facts

Batteries: **4 x "AA"** (not included)
Lithium Batteries Recommended below -4°F

Measurement Ranges

Outdoor Temperature: **-40°F to 158°F**
-40°C to 70°C

Indoor Temperature: **32°F to 122°F**
0°C to 50°C

Wireless Range: 165 ft / 50m MAX

Depending on home construction materials

For best accuracy & performance, place the wireless sensor in a location protected from direct sunlight and precipitation.

MADE IN CHINA HECHO EN CHINA

Limited One Year Warranty
Instructions & Warranty Enclosed

Customer Care:
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Patent numbers: 5,978,738; 6,076,044; 6,597,990
ACURITE® is a registered trademark of the Chaney Instrument Co.
Lake Geneva, WI



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