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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](http://www.chaneyinstrument.com)

**ACURITE®**  
DESIGNED TO WORK FOR YOU™

Deluxe Wireless Weather Center  
with barometric pressure charting

ITM./ART. 518346



A. Main Unit



B. Wireless Sensor

**Instruction Manual**

Package Contents:

- (1) Main Unit (A) with stand
- (1) Wireless Sensor (B)
- (1) Instruction Manual
- (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 and simply peel to remove.



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.

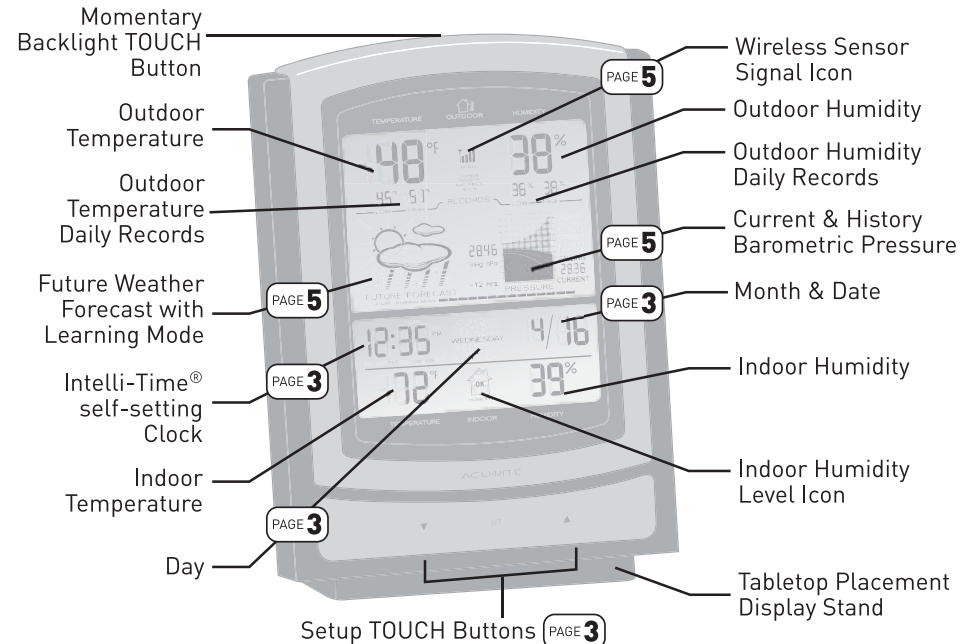
**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can 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

**SECTION 1 • OVERVIEW OF FEATURES**



## Battery Choice & Temperature Range

Extended periods of cold temperatures ( below  $-4^{\circ}\text{F}$  /  $-20^{\circ}\text{C}$  ) 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.

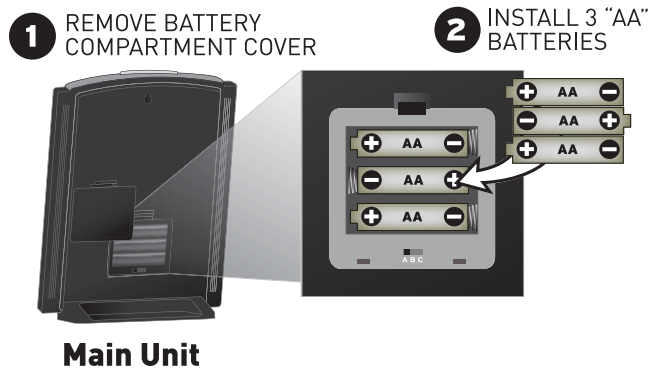
<b>LITHIUM BATTERIES</b>	<b><math>-40^{\circ}\text{F}</math> (<math>-40^{\circ}\text{C}</math>)</b>	<b>(<math>70^{\circ}\text{C}</math>) <math>158^{\circ}\text{F}</math></b>
<b>ALKALINE BATTERIES</b>	<b><math>-4^{\circ}\text{F}</math> (<math>-20^{\circ}\text{C}</math>)</b>	<b>(<math>70^{\circ}\text{C}</math>) <math>158^{\circ}\text{F}</math></b>

**WARNING:** This product contains a button battery. If swallowed, it could cause severe injury or death in just 2 hours. Seek medical attention immediately

## Install Batteries

### A. Main Unit

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



### B. Wireless Sensor

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



## A/B/C Wireless Selection

To allow for more than one main display 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 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 Self Setting Intelli-Time® Clock

Your new wireless weather center is equipped with Intelli-Time® technology which is pre-programmed with the correct time and date. Intelli-Time® technology instructs the clock to 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 : Basic Setup

Tap touch sensitive "SET" button to enter into set mode. The time zone (next to the clock display) will begin blinking, tap "SET" again to advance to next preference.

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

To **save** your adjustments, tap the "SET" touch sensitive 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 DATE**

**CALENDAR MONTH**

**CALENDAR YEAR**

**TEMPERATURE SCALE** ( $^{\circ}\text{F}$  or  $^{\circ}\text{C}$ )


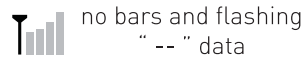
**BAROMETRIC PRESSURE SCALE** (inHg or hPa)

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

# Troubleshooting

Problem	Possible Solution
<p>Bad Wireless Sensor Reception</p> 	<p>Relocate the main unit and/or the wireless sensor. Both units must be within 330 feet (100m) 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).</p>
<p>No Wireless Sensor Data (no communication)</p> 	<p>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.</p>
<p>Main Unit Display Not Working</p>	<p>Make certain that the batteries are installed correctly. The batteries may need replacing.</p>



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)

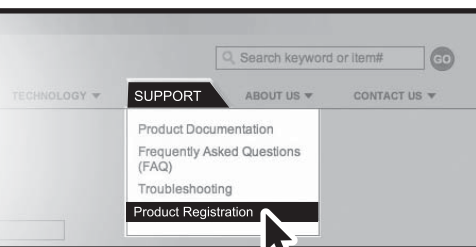
[www.chaneyinstrument.com](http://www.chaneyinstrument.com)

## PRODUCT REGISTRATION

To receive product updates and information,

Log on to

[www.chaneyinstrument.com](http://www.chaneyinstrument.com)



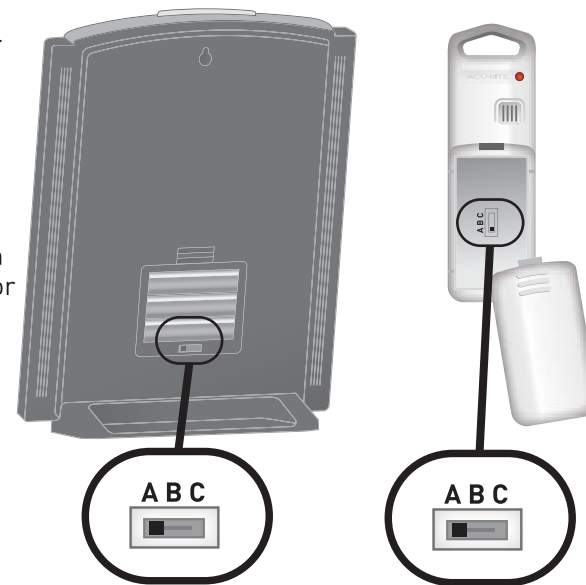
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# Set Wireless ID

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.



**Both wireless ID's must match**

## SECTION 5 • PRODUCT SPECIFICATIONS

### Measurement Ranges - Model# 01099

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

**Wireless Communication** 433 mhz Radio Frequency-Transmission every 16 seconds

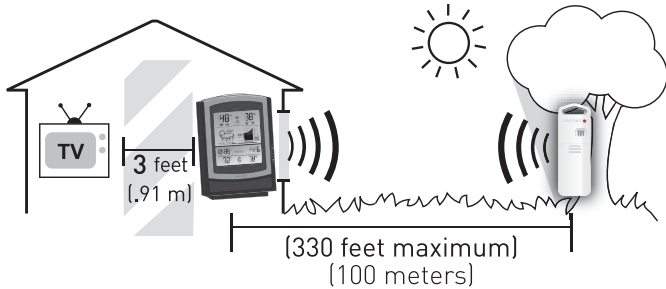
**PLEASE DISPOSE OF OLD OR DEFECTIVE BATTERIES IN AN ENVIRONMENTALLY SAFE WAY AND IN ACCORDANCE WITH YOUR LOCAL LAWS AND REGULATIONS.**

**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.

## 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 330 feet (100 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. 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

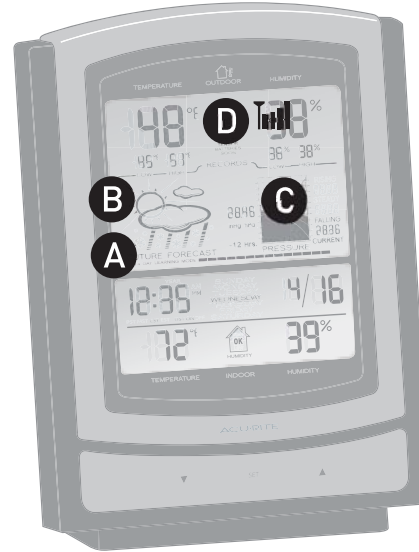
The wireless sensor **MUST BE PLACED OUTDOORS** to observe outdoor temperatures. The wireless sensor must be placed less than 330 feet (100 m) from the main unit. The wireless sensor is water **resistant** and is designed for general outdoor use. However, to extend the life of the product, place the 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 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.

## SECTION 4 • OPERATION

After the main unit and the wireless sensor are both powered on and wireless synchronized, no further input is required. This section outlines some of the main features of this weather station.



### A 14 Day Learning Mode

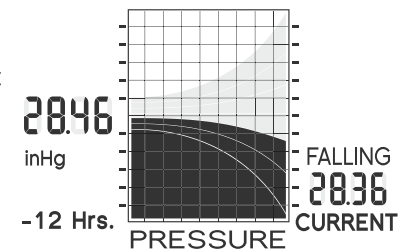
This weather station has a patented "fourteen day learning mode" calibration process. During this learning mode the weather station will make altitude calculations that may affect the accuracy of the forecast. Once the 14 day learning mode process is complete, the learning mode icon will disappear and 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 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.