For in-warranty repair, please contact:
Customer Care Department
Chaney Instrument Company
965 Wells Street
Lake Geneva, WI 53147

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.

ACU·RITE®
DESIGNED TO WORK FOR YOU™

Weather Forecaster
model# 13230

Instruction Manual

Patent numbers: 5,978,738; 6,076,044; 6,597,990; US 7,637,141 B2
ACURITE® is a registered trademark of the Chaney Instrument Co.
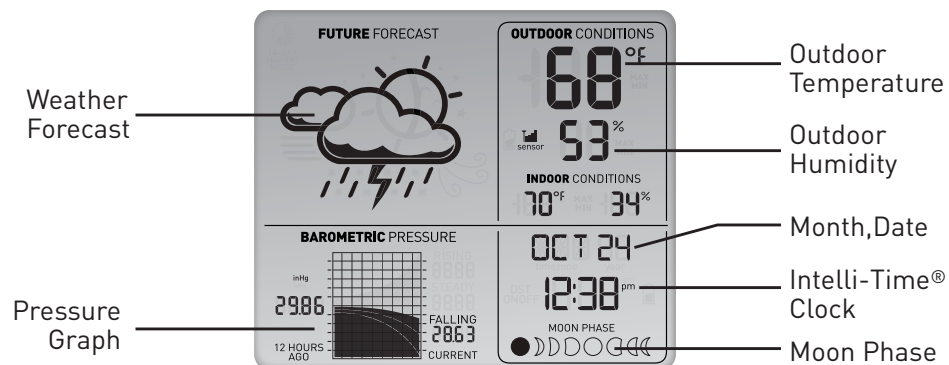Lake Geneva, WI

13230 INST 062911

Introduction

Thank You for purchasing this Acurite® product. Please read through 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 protective 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.

Weather Forecast

Pressure Graph

FUTURE FORECAST

OUTDOOR CONDITIONS
68 °F
sensor 53 %

INDOOR CONDITIONS
70 °F   34 %

BAROMETRIC PRESSURE
inHg
29.86
12 HOURS AGO   CURRENT   FALLING   28.63

OCT 24
12:38 pm

MOON PHASE

Outdoor Temperature

Outdoor Humidity

Month,Date

Intelli-Time® Clock

Moon Phase

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: Clean the battery contacts and also those of the device prior to battery installation. Remove battteries from equipment which is not to be used for an extended perid 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.

WARNING: THIS PRODUCT CONTAINS A BUTTON-CELL BATTERY. IF SWALLOWED, IT COULD CAUSE SEVERE INJURY OR DEATH IN JUST 2 HOURS. SEEK MEDICAL ATTENTION IMMIDIATELY IF INGESTED.

POISON   POISON

A/B/C Wireless Selection

To allow for more than one weather station and wireless sensor network to be used in close proximity, the display 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 switchs MUST be set in matching positions (either A, B, or C) fore wireless communication to take place successfully.

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 3 fresh "AA" batteries into the battery compartment.

Replace the battery compartment cover.

About the Self-Setting Clock

Your new wireless weather station is equipped with Intelli-Time® technology which is pre-programmed with the correct time and date. Intelli-Time® 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.

Touch Buttons

Your new wireless weather station is equipped with touch sensitive buttons on the front of the housing. These buttons require only a light touch to use.

Display Unit : Basic Setup

Touch and hold the "SET" button for 3 seconds to enter in to 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, touch the "▲" or "▼" buttons. (touch and HOLD to fast adjust).

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

TME ZONE (PST MST CST EST AST HAS AKS)
DST (Daylight Saving Time ON or OFF)
CLOCK HOUR
CLOCK MINUTE
CALENDAR MONTH
CALENDAR DATE
CALENDAR YEAR
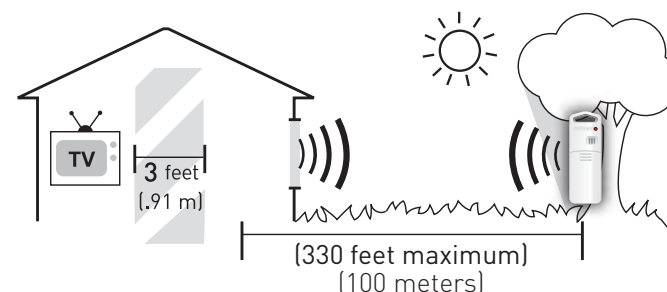TEMPERATURE SCALE (°F or °C)
BAROMETRIC PRESSURE SCALE (inHg or hPa)

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

Basic Setup is Now Complete

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

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 330 feet (100 meters) away from the display 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.).

TV
3 feet
(.91 m)
(330 feet maximum)
(100 meters)

Placement of Display Unit

Place the display 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 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 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 the included detachable table top display stand.
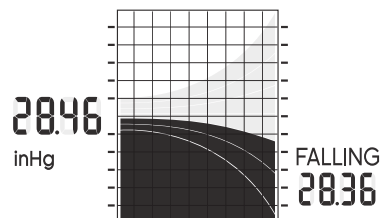
Placement of Sensor

The wireless sensor MUST BE PLACED OUTDOORS to observe outdoor temperatures and humidity. The wireless sensor must be placed less than 330 feet (100 m) 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.

Ⓐ 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.

28.46 inHg

FALLING
28.36

Atmospheric Pressure

Atmospheric Pressure is defined as the pressure at any location on the Earth, caused by the weight of the column of air above it. At sea level, atmospheric pressure has an average value of one atmosphere and gradually decreases as altitude increases. Also called barometric pressure.

The weight of the atmosphere that envelopes Earth exerts pressure on all points of the planet's surface. Meteorologists use barometers to measure this atmospheric pressure (also called barometric pressure). At sea level the atmospheric pressure is approximately 1 kilogram per square centimeter (14.7 pounds per square inch), which will cause a column of mercury in a mercury barometer to rise 760 millimeters (30.4 inches). Variations in the atmospheric pressure greatly affect the weather. Low pressure generally brings rain. In areas of low air pressure, the air is less dense and relatively warm, which causes it to rise. The expanding and rising air naturally cools, and the water vapor in the air condenses, forming clouds and the drops that fall as rain. In high pressure areas, the air is dense and relatively cool, which causes it to sink. The water vapor in the sinking air doesn't condense, resulting in clear skies.

Ⓑ Daily High & Low

The daily high and low records are displayed for the indoor and outdoor temperature and humidity. These records ar cleared automatically every day at midnight.

Ⓒ Wireless Signal Reception Icons 📶

The display 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 inacurracy. 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.

Ⓓ 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.

Ⓔ 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.

Minimum & Maximum Records

The display unit features Minimum & Maximum records display mode. The minimum and maximum values for indoor and outdoor temperature and humidity are recorded and kept until midnight every day, when the records are reset for the next day.

Minimum Records
To view the minimum records, touch the "adjust down" button (▼) located on the front of the display unit. The minimum recorded values will display for about 8 seconds (note the "MIN" icon indicating minimum records being displayed). To manually reset the records being displayed, touch and hold the "adjust down" (▼) button while viewing the records.

Maximum Records
To view the maximum records, touch the "adjust up" button (▲) located on the front of the display unit. The maximum recorded values will display for about 8 seconds (note the "MAX" icon indicating maximum records being displayed). To manually reset the records being displayed, touch and hold the "adjust up" (▲) button while viewing the records.

Momentary Backlight

The display unit features a momentary blue backlight for easy night-time viewing. The touch button to activate the backlight is located on the top portion of the display bezel. Touching the button will give you about 5 seconds of illumination. Note that excessive use of the backlight will reduce the battery life.

Problem	Possible Solution
Bad Wireless Sensor Reception no bars	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).
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.
Display Console Screen Not Working	Make certain that the batteries are installed correctly. Batteries may need replacing

NOTICE: If the display fails to start properly, press the reset button located on the back of the display unit. Please note that the date and time information will need to be entered after a reset.

Please DO NOT return product to the retail store.
For technical assistance and product return information, please call
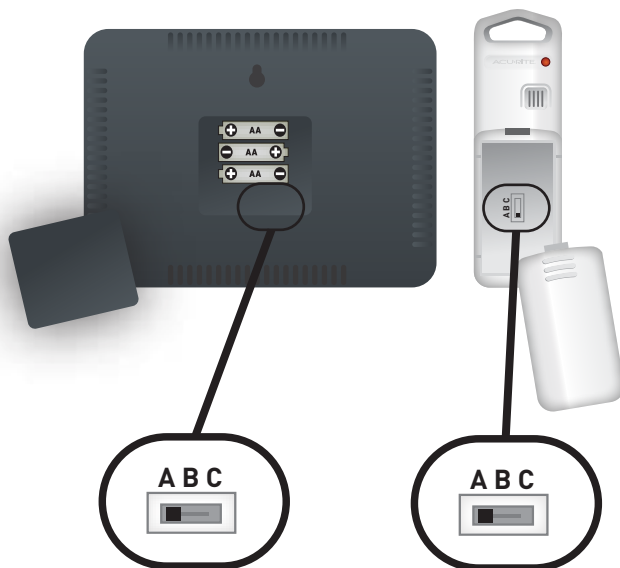Customer Care: **877-221-1252 M-F** 7:00 A.M. to 7:00 P.M. (Central)
www.chaneyinstrument.com

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 display unit and the wireless sensor have a selectable wireless ID. The ID switches are located within the battery compartments of the display unit and the wireless sensor.

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

A B C

A B C

Both wireless ID's must match

PRODUCT REGISTRATION

To receive product updates and information,
Log on to
www.chaneyinstrument.com

Search keyword or item# GO

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Product Documentation
Frequently Asked Questions (FAQ)
Troubleshooting
Product Registration

Product Facts

Batteries: 5 x "AA" (not included)

Lithium Batteries Recommended in Outdoor Sensor if temperatures are below -4ºF

Measurement Ranges

Outdoor Temperature: **-40ºF to 158ºF**
-40ºC to 70ºC

Outdoor Humidity: **20% to 95%**

Indoor Temperature: **32ºF to 122ºF**
0ºC to 50ºC

Indoor Humidity: **20% to 95%**

Wireless Range: **330 ft /** 100 m **MAX**

Depending on home construction materials