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.

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.

THE ABOVE-DESCRIBED WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND ALL OTHER WARRANTIES ARE HEREBY EXPRESSLY DISCLAIMED, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTY OF MERCHANTABILITY AND THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. CHANEY EXPRESSLY DISCLAIMS ALL LIABILITY FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL DAMAGES, WHETHER ARISING IN TORT OR BY CONTRACT FROM ANY BREACH OF THIS WARRANTY. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU. CHANEY FURTHER DISCLAIMS ALL LIABILITY FROM PERSONAL INJURY RELATING TO ITS PRODUCTS TO THE EXTENT PERMITTED BY LAW. BY ACCEPTANCE OF ANY OF CHANEY'S EQUIPMENT OR PRODUCTS, THE PURCHASER ASSUMES ALL LIABILITY FOR THE CONSEQUENCES ARISING FROM THEIR USE OR MISUSE. NO PERSON, FIRM OR CORPORATION IS AUTHORIZED TO ASSUME FOR CHANEY ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF ITS PRODUCTS. FURTHERMORE, NO PERSON, FIRM OR CORPORATION IS AUTHORIZED TO MODIFY OR WAIVE THE TERMS OF THIS PARAGRAPH, AND THE PRECEDING PARAGRAPH, UNLESS DONE IN WRITING AND SIGNED BY A DULY AUTHORIZED AGENT OF CHANEY. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

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:

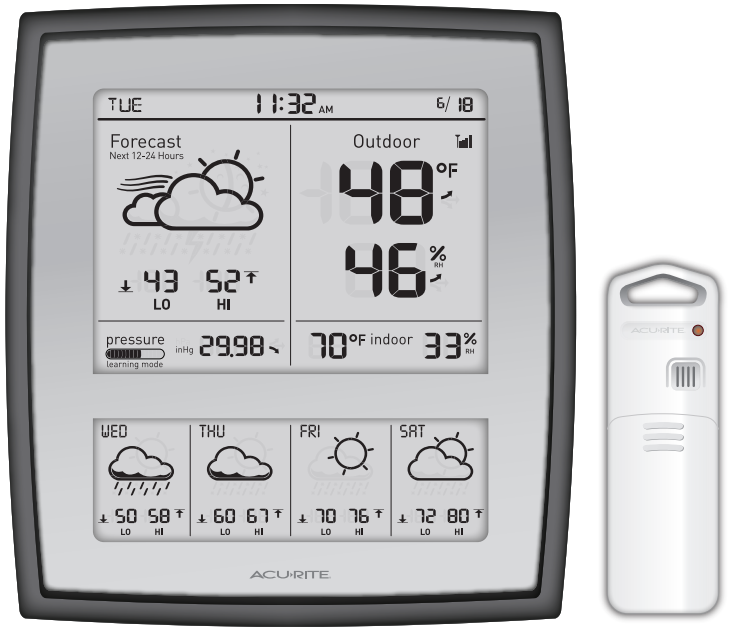
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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.

Patent numbers: 5,978,738; 6,076,044; 6,597,990; US 7,637,141 B2

02035 120511

ACU-RITE®
DESIGNED TO WORK FOR YOU™



Weather Station
with 5-Day Forecast

model #02035

Instruction Manual

Introduction

The AcuRite® Weather Station with wireless outdoor sensor collects outside weather data and sends it wirelessly to the Display Console via radio frequency. This weather forecaster has been designed to be easy to install and use.

This weather station features a NEW Precision 5-Day Weather Forecasting technology, which allows you to select one of seven geographic regions to give you a detailed, accurate forecast-from your own backyard! The easy to read forecast display predicts your cloud cover, high and low temperatures, and chance of precipitation over the next 5 days by analyzing your weather patterns and changes in great detail.

The sleek display console houses a liquid crystal display (LCD) which will calculate and display all the weather data received from the wireless sensor outside. The display console features a pressure sensor for measuring barometric pressure, a temperature sensor for measuring indoor temperature and a humidity sensor for measuring indoor humidity. The Display Console is powered with three "AA" alkaline batteries (not included).

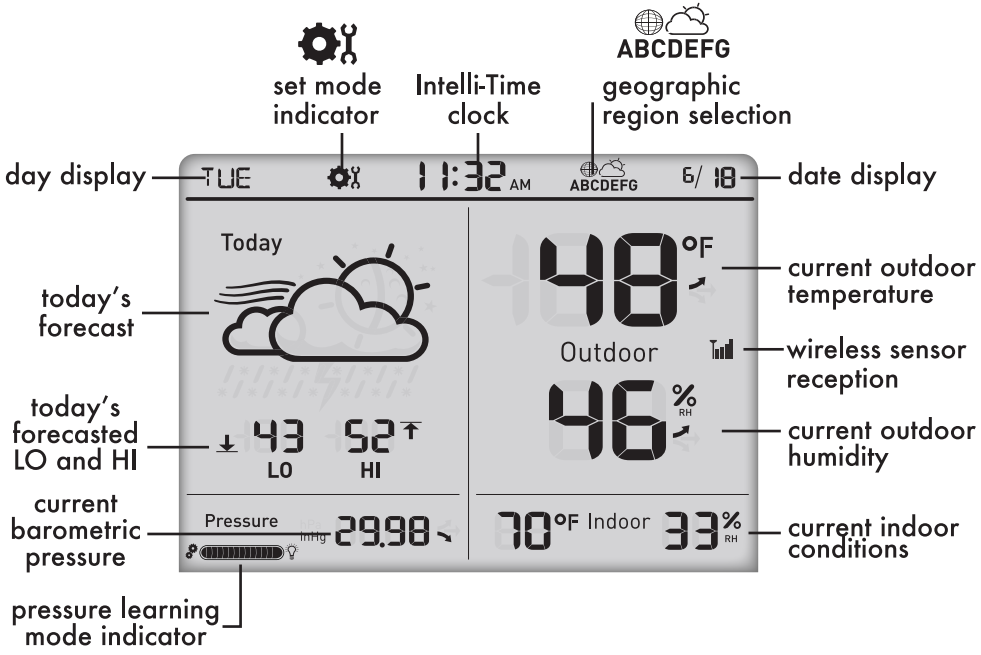
The outdoor sensor is completely wireless and contains a temperature sensor for measuring indoor temperature and a humidity sensor for measuring relative humidity. The wireless outdoor sensor is powered with two "AA" alkaline or lithium batteries (not included).

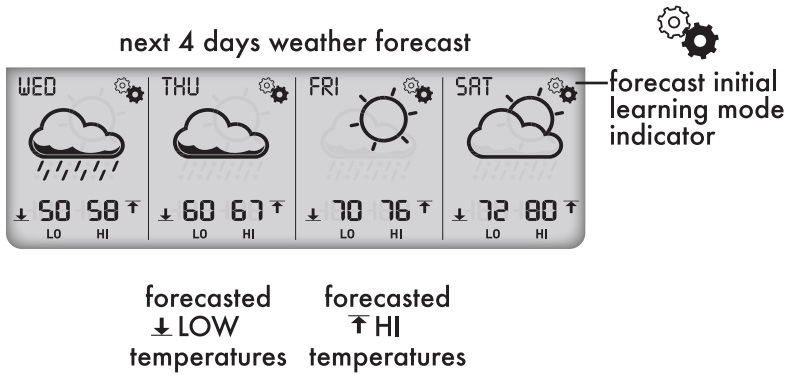
Please read through this manual to learn more about the AcuRite® Weather Station. Keep this manual for future reference.

Parts List model #02035

1. Display console
2. Wireless outdoor sensor

Display Features





PRODUCT REGISTRATION

To receive product updates and information, Go to

www.AcuRite.com

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 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**

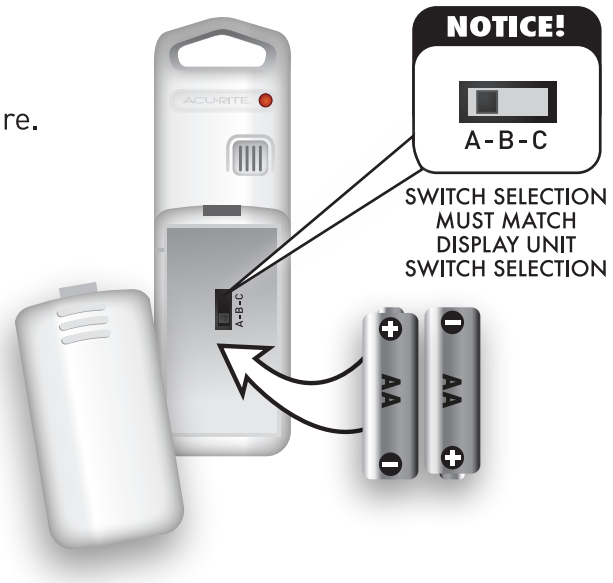
A/B/C Wireless Selection

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 switches MUST be set in matching positions (either A, B, or C) fore wireless communication to take place successfully.

Installing Batteries - Wireless Sensor

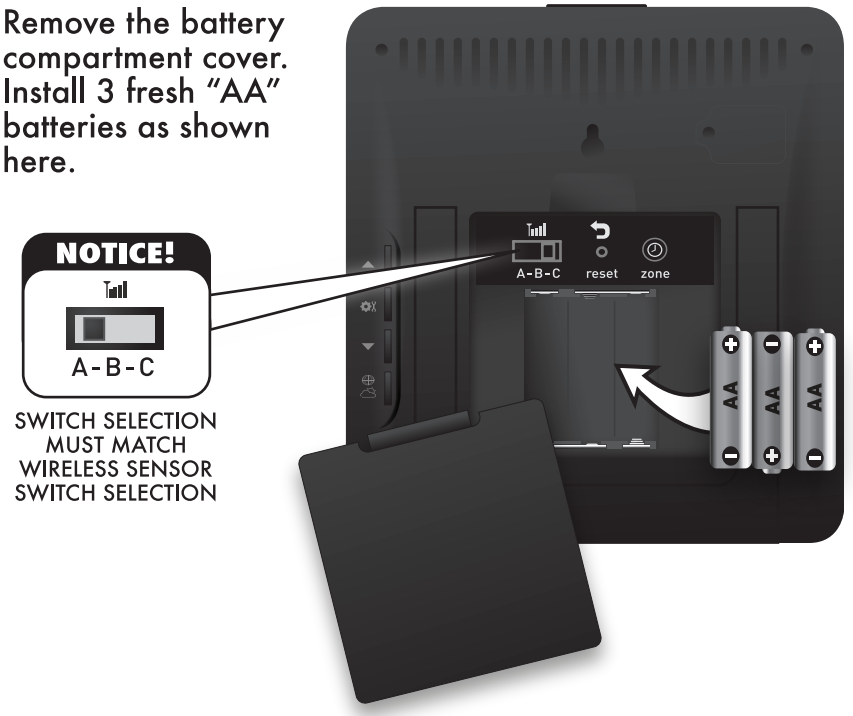
Remove the battery compartment cover. Install 2 fresh "AA" batteries as shown here.

BATTERIES MUST BE INSTALLED FOR THE SENSOR TO OPERATE



Installing Batteries - Display Console

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



About the Self Setting Intelli-Time® Clock

Your new 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 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.

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

About the 5-Day Weather Forecast

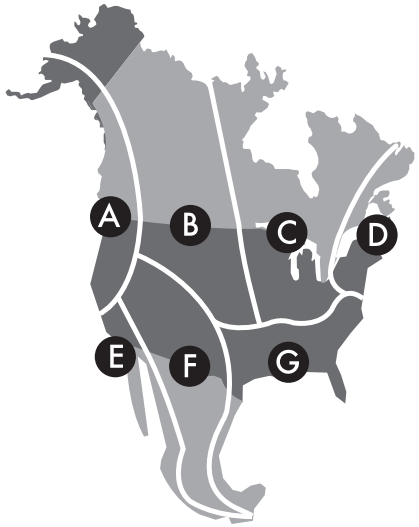
This weather station includes AcuRite's NEW precision 5-day forecasting technology.

By determining your geographic climate region and observing sets of weather related variables, like changes in temperature, humidity, and barometric pressure, this AcuRite Weather Station can accurately forecast the weather for your exact location. Preprogrammed regional weather patterns combined with data collected by the wireless outdoor temperature and humidity sensor allow for forecasts that include probability of precipitation, amount of cloud cover, and high/low temperatures for up to 5 days.

5-Day Forecast Region Selection

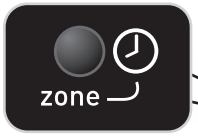
For the 5-day forecast to function properly, you will need to select your general geographic region. The 5-Day Forecast feature analyzes outdoor temperature, outdoor humidity, pressure changes and geographic region information to give you the most accurate forecast breakdown a single station forecaster can provide.

PRESS THE "GEO" BUTTON LOCATED ON THE BACK OF THE DISPLAY TO SELECT YOUR GEOGRAPHIC REGION



Quick Setup - Display Console

After installing batteries, the Intelli-Time® clock and calendar will automatically set to the correct time, all you need to do is select your time zone.



PRESS THE "zone" BUTTON LOCATED IN THE BATTERY COMPARTMENT TO SELECT YOUR TIME ZONE

NOTE: IF FRENCH OR SPANISH LANGUAGE ARE SELECTED (SEE DISPLAY CONSOLE: MANUAL SETUP TO CHANGE REFERENCE LANGUAGE), THE TIME ZONE SELECTION ON THE DISPLAY WILL BE G.M.T. -/+ HOURS

Manual Setup - Display Console

Press the SET ( ) button to enter into manual set mode. The time zone will begin blinking. To adjust the currently selected (flashing) preference item, press and release the "▲" or "▼" buttons.

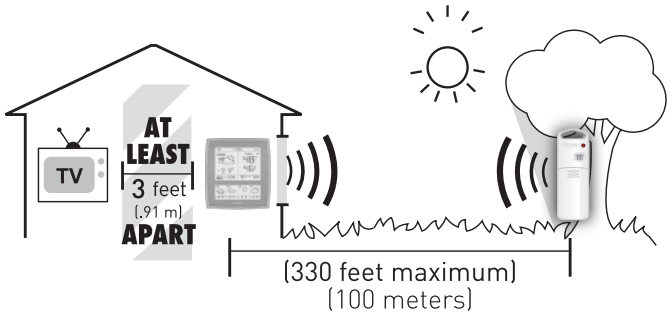
To save your adjustments, press and release the "" button again to move on to adjusting the next preference. The preference set order is as follows:

TIME ZONE (PST MST CST EST AST HAST AKST)
AUTO DST (Automatically adjust time -/+ on DST dates)
CLOCK HOUR
CLOCK MINUTE
CALENDAR MONTH
CALENDAR DATE
CALENDAR YEAR
UNITS: TEMPERATURE (°F or °C)
UNITS: PRESSURE (inHg or hPa)
REFERENCE LANGUAGE (English, Spanish or French)

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

Now that setup is complete, you must choose a location to place the wireless sensor and the display console. The wireless sensor MUST be placed less than 330 feet (100 meters) away from the display console.

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 Console

Place the display console in a dry area free of dirt and dust. To help ensure an accurate indoor temperature measurement, be sure to place the display console out of direct sunlight, and away from any heat sources or vents in your home. You may place the main unit on a table top or other flat surface using the integrated 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 meters) from the display console. 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.

5-Day Forecast

Initial learning mode

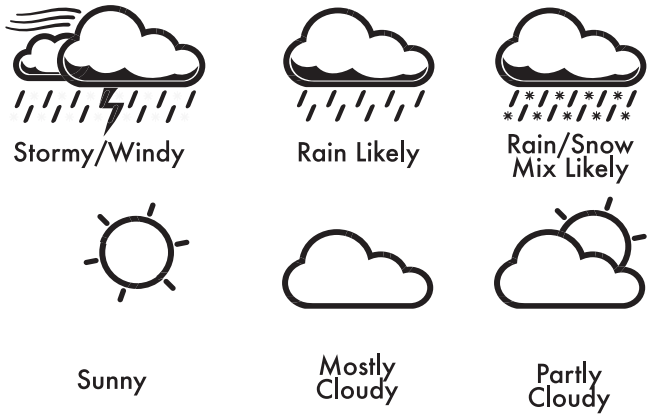
The Precision 5-Day Forecast feature will be “learning and anylizing” for the first five days after powering on or resetting. During this initial 5-Day learning mode the forecast will be less accurate. The weather forecast will observe changes to learn your weather patterns and increase the accuracy of the forecast.

Forecast Display

The Forecast display area gives you the predicted weather forecast for the next 5 days. Each daily forecast will also display the predicted High and Low temperatures.

The forecast is always analyzing the available data, and consistently updates the forecast icons and highs/lows/precipitation chance as time goes on. This will help you to generally plan ahead for the next 5 days.

The weather forecast icon will display the predicted weather conditions. Below is an example of some of the forecast icons.



Forecast Calibration

If you feel that the forecast could be “dialed in” to be more accurate- you may want to try calibrating the forecast. See the “Calibration” section in the back of this manual for more information.

Minimum & Maximum Records

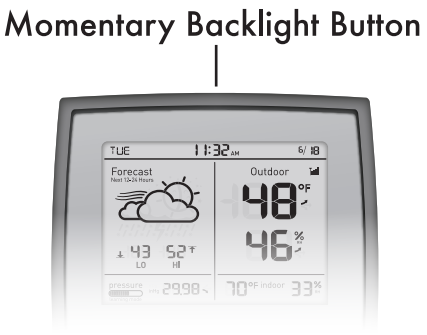
The display unit features Minimum & Maximum records display mode. The minimum and maximum values for indoor and outdoor temperature and humidity are recorded and kept until midnight every day, when the records are reset for the next day.

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

Maximum Records
To view the maximum records, press the "adjust up" button (▲) located on the back of the display unit. The maximum recorded values will display for about 8 seconds (note the "⤒" icon indicating maximum records being displayed). To manually reset the records being displayed, press 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 button to activate the backlight is located on the very top edge of the display unit housing. Pressing the button will give you about 10 seconds of illumination. Note that excessive use of the backlight will reduce the battery life.



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 air mass, or 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). Subtle variations in 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, conversely, the air is dense and relatively cool, which causes it to sink. The water vapor in the sinking air does not condense, leaving the skies sunny and clear.

This weather forecaster features a current barometric pressure display, as well as a trend arrow icon (rising, falling or steady). These two features can assist you in forecasting changes in the weather.

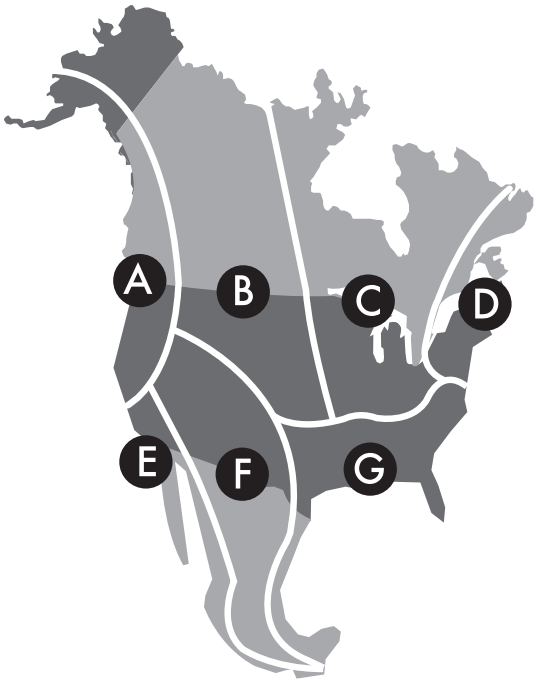
Problem	Possible Solution(s)
Bad Wireless Sensor Reception no bars	Relocate the main unit and/or the wireless sensor. Both units must be within 330 feet (100 meters) from each other. Make sure both units are placed at least 3 feet (.91 m) from other electronic appliances and devices that may interfere with the wireless communication (such as TV's, microwaves, computers etc). NOTE: It may take up to 20 minutes for the 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). Make sure the A-B-C switch selection in the battery compartments of the display unit and sensor match.
Display Console Screen Not Working	Batteries may need replacing. Check that batteries are correctly installed. Reset the display unit and wireless sensor.
5-Day Forecast displaying	The 5-Day Forecast will be "learning and anylizing" for the first five days after powering on or resetting. During this initial learning mode the forecast will be less accurate. The weather forecaster will always observe changes to learn your weather patterns and increase the accuracy of the forecast.
5-Day Forecast Inaccuracies	As with any weather forecast, 100% accuracy is not possible. However, if the forecast seems wildly inaccurate, make certain that your geographic region is selected properly. The geographic region selection can drastically affect the accuracy of the forecast. Refer to "CALIBRATION" section of this manual for more options
reset	NOTICE: The display may fail to start properly due to static discharge. Press the reset button located on the back of the display unit to reset the entire unit.

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. 7:00 A.M. to 7:00 P.M. (CST)

www.acurite.com

Forecast Geographic Region Selections

PRESS THE "GEO" BUTTON LOCATED ON THE BACK OF THE DISPLAY TO SELECT YOUR GEOGRAPHIC REGION



IMPORTANT NOTICE

Have questions about product setup or operation? We're here to help!

24/7 Support: www.acurite.com

- Product Setup & Demo Videos
- Product Manuals
- Frequently Asked Questions
- Register your Product
- Support Forum
- Submit Feedback & Ideas

EMAIL:
info@chaney-inst.com

TOLL FREE:
(877) 221-1252
7:00 a.m. - 7:00 p.m. CST

1-Year Warranty
Don't forget! Register your product at: **www.acurite.com**

Product Facts

Batteries: 5 x "AA" (not included)

(2) Lithium Batteries Recommended in **Outdoor Sensor** if temperatures are below -4°F

Measurement Ranges

Outdoor Temperature:	**-40°F to 158°F** -40°C to 70°C
Outdoor Humidity:	**1% to 99%**
Indoor Temperature:	**32°F to 122°F** 0°C to 50°C
Indoor Humidity:	**1% to 99%**

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

Depending on home construction materials

MADE IN CHINA
HECHO EN CHINA

Limited One Year Warranty
Instructions & Warranty Enclosed

Customer Care:
877-221-1252

www.**Acurite**.com

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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.

If you find that the temperature and/or humidity is slightly off, this weather device allows for calibration. The forecast may be calibrated as well. To calibrate the weather station, you must enter into the calibration mode.

Calibration Mode

To access the calibration mode, press AND HOLD the "▲" and "▼" buttons together for at least 5 seconds. After 20 seconds of inactivity, the display will save your adjustments and automatically exit calibration mode and return to normal operation.

Calibrate the outdoor temperature by pressing the "▲" or "▼" buttons. Note the arrow icons indicate if you are calibrating the value above or below the uncalibrated raw temperature coming in from the sensor.

Press the "⚙" button to confirm your calibration changes and move on to calibrating the outdoor humidity, the indoor temperature, and indoor humidity in the same manner.

After calibrating all of the temperature and humidity values, the forecast is the final item to be calibrated. If you feel that the forecast could be "dialed in" to be more accurate- you may calibrate the forecast to be less or more "wet." Essentially, calibrating the forecast will either reduce or increase how much moisture is present within the forecast software algorithm.

For example, if you feel the forecast is showing rain too often, you may want to remove 10% of the moisture from the forecast equation to start with. Press the "▲" or "▼" buttons to remove or add moisture to the forecast. Note that the forecast graphics will change accordingly. Calibrating the forecast may take some trial and error. Note that just like any weather forecast - the forecast can never be 100% accurate.

Note that all calibration changes will be lost if you reset the display unit or remove the batteries.