

Weather Station

model 01202



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Questions? Contact Customer Support at www.AcuRite.com/support or email support@chaney-inst.com

SAVE THIS MANUAL FOR FUTURE REFERENCE.

ACURITE®

Congratulations on your new AcuRite product. To ensure the best possible product performance, please read this manual in its entirety and retain it for future reference.

Unpacking Instructions

Remove the protective film that is applied to the LCD screen prior to using this product. Locate the tab and peel off to remove.

Package Contents

1. Display
2. Outdoor Sensor
3. Power Adapter
4. Instruction Manual

IMPORTANT

PRODUCT MUST BE REGISTERED
TO RECEIVE WARRANTY SERVICE

PRODUCT REGISTRATION

Register online to receive 1 year of warranty protection

www.AcuRite.com

Features and Benefits




OUTDOOR SENSOR

- 1. Integrated Hanger**
For easy placement.
- 2. Wireless Signal Indicator**
Flashes when data is being sent to the display.
- 3. Battery Compartment**
- 4. A-B-C Switch**
ID code that must match display's A-B-C switch to ensure units synchronize.
- 5. Battery Compartment Cover**

Wi-Fi Setup for Weather Underground™ and Dark Sky Forecast

This weather station features wireless internet connectivity in order to connect and download forecasts from Dark Sky. You also have the option to share your temperature and humidity data with Weather Underground, but this is not required to get a forecast.

- (OPTIONAL) If you do not already have a WU (Weather Underground™) account and would like to send your data to WU, please create your account at wunderground.com prior to following the next steps. To add this weather station to your WU account:
 - Sign in to your Weather Underground™ account.
 - Navigate to My Profile > My Weather Stations > Add New PWS.
 - Enter all required location info.
 - When prompted for “Station Hardware”, select “AcuRite Pro Weather Center”.
 - You will be provided with a WU Station ID and Station Key once you have submitted all required info (record for step 5, below).
- Power on the display using included power cord. If the unit has been powered on for more than 30 minutes, press and release the “” button to re-activate Wi-Fi setup.
- Connect to the Wi-Fi signal (named AcuRite 01202M) of the AcuRite display from your computer or mobile device.
- Open your web browser on the device that is connected to the AcuRite display. Type “192.168.4.1” in the address bar and hit enter to access the AcuRite Wi-Fi display settings website (shown right).
- Select or enter your wireless network name and password. Fill in your country and postal code to download your 2-day forecast from Dark Sky. If you want to send data to Weather Underground, enter your Station ID and Station Key. Press “Save” to save your credentials.

NOTE: This weather station display only supports 2.4 GHz wireless networks.
- A Wi-Fi status message will appear confirming your connection to the display. If the connection was not successful, please verify your credentials and/or visit the Troubleshooting section (see page 13).
- Within an hour after the display is connected to Wi-Fi, forecasts from Dark Sky will be shown on your display. If you entered your WU credentials, data from your sensor will automatically begin to upload to Weather Underground™. Monitor sensor data remotely at www.wunderground.com or from a mobile device using the Weather Underground™ app, available from the iOS App Store or Google Play Store.

ACURITE

Model #: 01202M

Device ID:

Wi-Fi Network Name (SSID):

Wi-Fi Network Password:

Underground Station ID:

Underground Station Key:

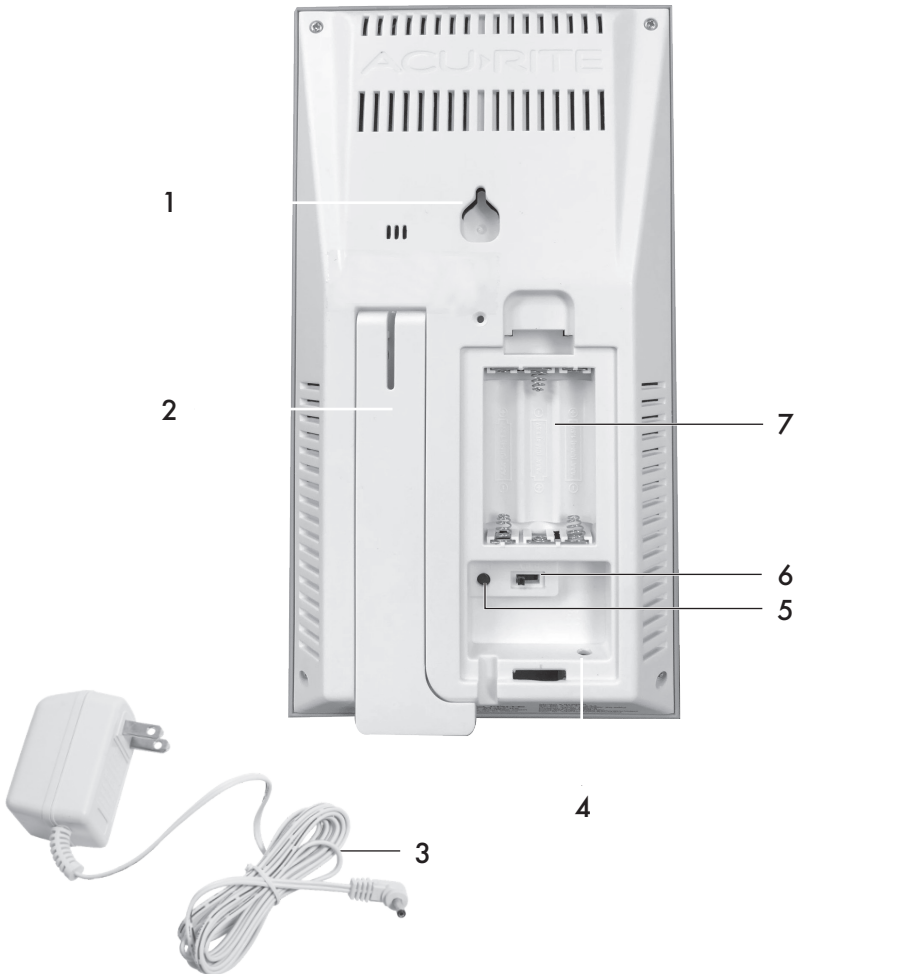
My AcuRite Local Forecast
Powered by Dark Sky

Country:

Zip Code/Postal Code:

©Chaney Instrument Co.

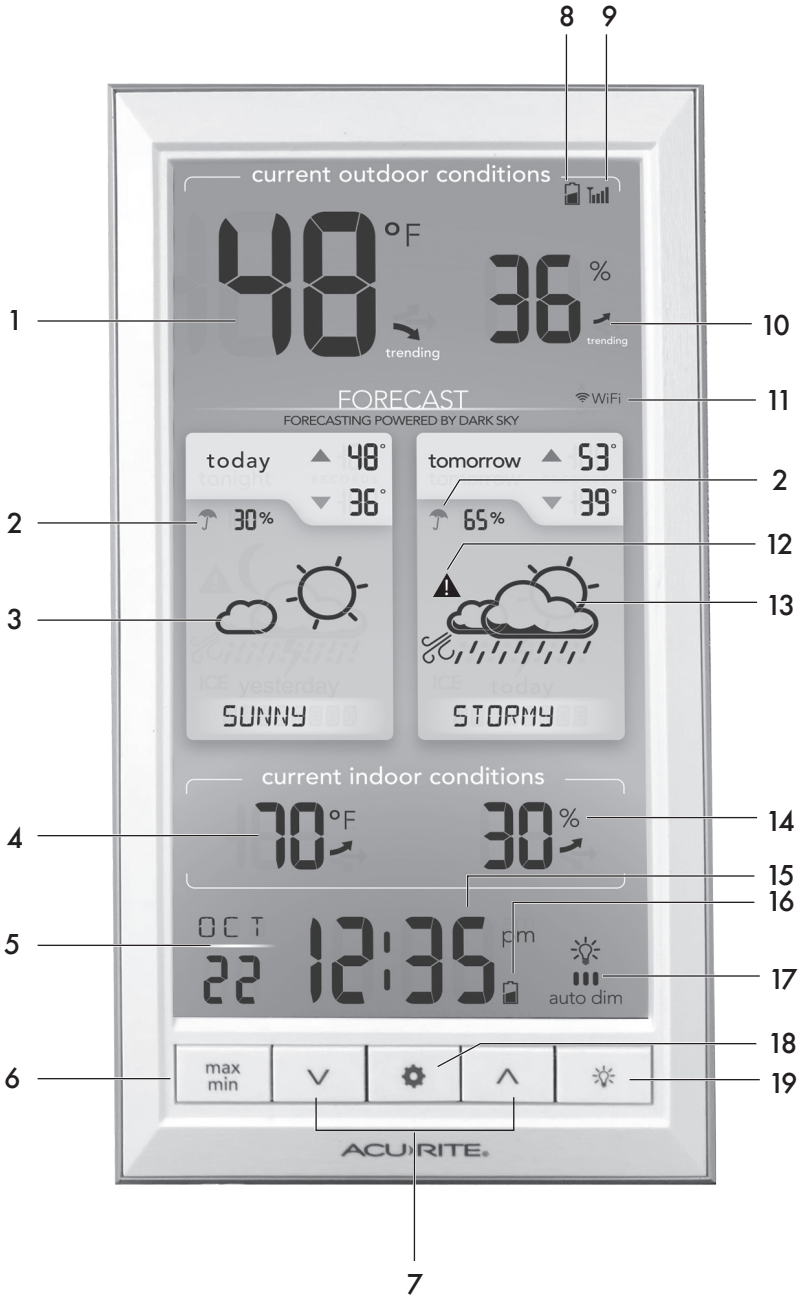
Features and Benefits






BACK OF DISPLAY

- 1. Integrated Hang Hole**
For easy wall mounting.
- 2. Fold-out Tabletop Stand**
- 3. Power Adapter**
- 4. Plug-in for Power Adapter**
- 5. RESET Button**
For full reset to factory defaults.
- 6. A-B-C Switch**
ID code that must match sensor's A-B-C switch to ensure units synchronize.
- 7. Backup Battery Compartment**
- 8. Battery Compartment Cover**
(not shown)

Features and Benefits



- 1. Current Outdoor Temperature**
Arrow icon indicates the direction temperature is trending.
- 2. Chance of Rain Indicator**
Indicates the likelihood of rain when connected to Wi-Fi.
- 3. Today's Forecast**
Includes forecasted high & low temperatures. Powered by Dark Sky when connected to Wi-Fi.
- 4. Current Indoor Temperature**
Arrow icon indicates direction temperature is trending.
- 5. Date**
- 6. ^{max}_{min} Button**
For viewing daily high & low records
- 7. ^ and v Buttons**
For setup preferences
- 8. Sensor Low Battery Indicator**
- 9. Outdoor Sensor Signal Strength**
- 10. Current Outdoor Humidity**
Arrow icon indicates the direction humidity is trending.
- 11.  ON Icon**
Indicates display is connected to your wireless network in addition to the signal strength.
- 12. Severe Weather Indicator**
Indicates one of the following is in the forecast:
 - Wind
 - Sleet
 - Possible Tornado
 - Hail
 - Ice
 - Fog
- 13. Tomorrow's Forecast**
Includes forecasted high & low temperatures. Powered by Dark Sky when connected to Wi-Fi.
- 14. Current Indoor Humidity**
Arrow icon indicates direction humidity is trending.
- 15. Clock**
- 16. Display Low Battery Indicator**
- 17. Auto Dim Icon**
Indicates display is in auto-dimming brightness mode (see page 9).
- 18.  Button**
For setup preferences.
- 19.  Button**
For momentary backlight and dimmer settings.
- 20. Yesterday's Conditions**
(not shown)
Includes high & low temperature readings. Only shown when not connected to Wi-Fi (see page 11).

Sensor Setup

1 Set the A-B-C Switch

The A-B-C switch is located inside the battery compartment. It can be set to A, B or C. However, you must select the same letter choices for both the sensor and the display in order for the units to synchronize.

2 Install or Replace Batteries

AcuRite recommends high quality alkaline batteries in the outdoor sensor for the best product performance. Heavy duty or rechargeable batteries are not recommended.

1. Slide off the battery compartment cover. Take note of the A-B-C switch setting inside the battery compartment for display setup.
2. Insert 2 x AA batteries into the battery compartment, as shown. Follow the polarity (+/-) diagram in the battery compartment.
3. Replace the battery cover.



Display Setup

1 Set the A-B-C Switch

Locate the A-B-C switch inside the battery compartment. Set the A-B-C switch to A, B or C. You must select the same letter choices for both the display and the sensor in order for the units to synchronize.

2 Install or Replace Backup Batteries (optional)

1. Remove the battery compartment cover.

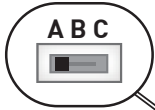
2. Insert 3 x AAA alkaline batteries into the battery compartment, as shown. Follow the polarity (+/-) diagram in the battery compartment.

3. Replace the battery cover.

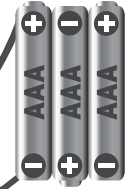
3 Plug in Power Adapter

For the best performance, plug in the power adapter as the main power source for this product.

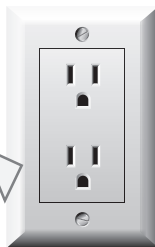
1 A-B-C Switch Set to match sensor



2 Install Backup Batteries 3 AAA Batteries (optional)



3 Plug in Power Adapter




IMPORTANT: Batteries are a backup power source to preserve records in the event of a power outage. **Display will not have Wi-Fi functionality on batteries alone. Power adapter is recommended as the primary power source to enjoy the full functionality of this product.**





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 that will not 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.

Set the Time, Date and Units

Press and release the “” button, located on the front of the display, to enter SET MODE. Once in set mode, the preference you are currently setting will blink on the display.

To adjust the currently selected (flashing) item, press and release the “” or “” buttons (press and HOLD to fast adjust).

To save your adjustments, press and release the “” button again to adjust the next preference. The preference set order is as follows:

Auto Change for DST (Daylight Saving Time  YES or NO)*

CLOCK HOUR

CLOCK MINUTE


CALENDAR MONTH

CALENDAR DATE

CALENDAR YEAR

TEMPERATURE UNITS (°C or °F)


*If you live in an area that observes DST, DST should be set to YES, even if it is not currently Daylight Saving Time.


You will automatically exit SET MODE if no buttons are pressed for 10 seconds. Enter setup mode at any time by pressing the “” button.

Display Backlight Settings

This weather station’s colour display features three different lighting settings: High (100%) brightness, Medium (50%) brightness and Low (15%) brightness.

Using battery power alone, the backlight is available momentarily for 10 seconds by pressing the Backlight button.

When display is powered with the power adapter, backlight remains on at 100% brightness. Press “” button once to dim to 50% brightness; press again to dim to 15%, press a 3rd time to enter AUTO DIM mode. “AUTO DIM” will appear next to the clock.

NOTE: Pressing and holding the “” button for 5 seconds will disable the backlight. Once any button is pressed, the backlight will return to your selected setting.

AUTO DIM MODE: Automatically adjusts display brightness based on time of day.
6:00 a.m. - 9:00 p.m. = 100% brightness
9:01 p.m. - 5:59 a.m.= 15% brightness

Placement for Maximum Accuracy

AcuRite sensors are sensitive to surrounding environmental conditions. Proper placement of both the display and outdoor sensor are critical to the accuracy and performance of this product.



Display Placement

Place the display in a dry area free of dirt and dust. Display stands upright for tabletop use and is wall-mountable.

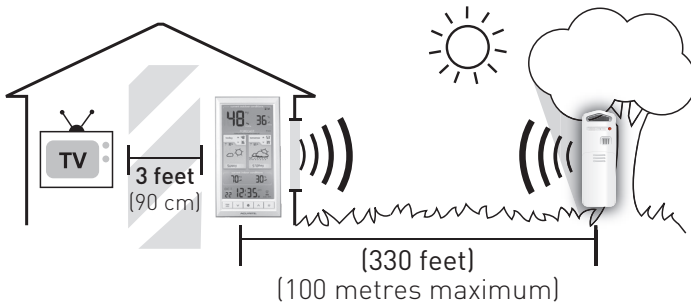
Outdoor Sensor Placement

Sensor must be placed outside to observe outdoor conditions. Sensor is water resistant and is designed for general outdoor use, however, to extend its life place the sensor in an area protected from direct weather elements.

Hang the sensor using the integrated hang hole or hanger, or by using string (not included) to hang it from a suitable location, like a well covered tree branch. The best location is 4 to 8 feet (1 to 2 metres) above the ground with permanent shade and plenty of fresh air to circulate around the sensor.

Important Placement Guidelines

- To ensure accurate temperature measurement, place units out of direct sunlight and away from any heat sources or vents.
- Display and outdoor sensor must be within 330 ft (100 m) of each other.
- To maximize wireless range, place units away from large metallic items, thick walls, metal surfaces, or other objects that may limit wireless communication.
- To prevent wireless interference, place both units at least 3 ft (90 cm) away from electronic devices (TV, computer, microwave, radio, etc.).



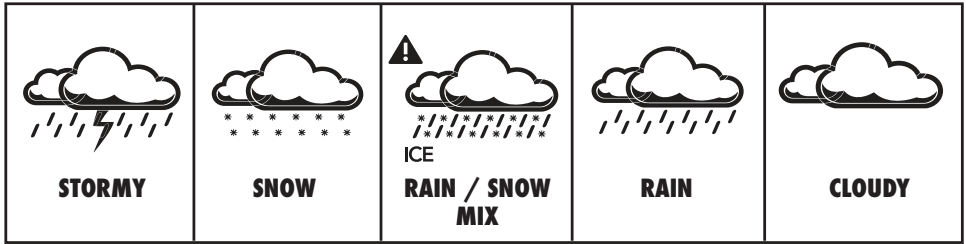
Setup is Complete

The sensor will now synchronize with the display. It may take a few minutes for synchronization to complete. Please refer to the troubleshooting section of this manual if anything appears to be functioning improperly.

Weather Forecast

While connected to Wi-Fi, weather forecasts for today and tomorrow are downloaded from Dark Sky. Dark Sky is one of the most accurate sources of hyperlocal weather information. It is backed by a wide range of weather data sources, which are aggregated together to provide the most accurate forecast possible for a given location. With down-to-the-minute forecasts, you'll know exactly when conditions will change so you can plan your day.

If the weather station is not connected to Wi-Fi, the forecast is generated using data from the outdoor sensor. Self-calibrating forecasting uses a unique algorithm to analyze changes in pressure over a time period (called Learning Mode) to determine your altitude. After 14 days, the self-calibrated pressure is tuned in to your location and the unit is ready for superior weather prediction.



View the complete list of icons at www.AcuRite.com/acurite-icons

High and Low Records

High and low records for today and all-time are displayed for indoor and outdoor temperature and humidity. Today's records automatically clear at 12:00am midnight every day.

Press the $\frac{\text{max}}{\text{min}}$ button to cycle through high and low recorded values for outdoor and indoor temperature and humidity. You will automatically exit records if no buttons are pressed for 10 seconds.

To manually clear a HIGH or LOW record, press and HOLD the $\frac{\text{max}}{\text{min}}$ button for 3 seconds while viewing the record(s) you wish to clear. Dashes display to confirm you have cleared the record(s).

Care and Maintenance




Display Care

Clean with a soft, damp cloth. Do not use caustic cleaners or abrasives. Keep away from dust, dirt and moisture. Clean ventilation ports regularly with a gentle puff of air.

Outdoor Sensor Care

Clean with a soft damp cloth. Do not use caustic cleaners or abrasives.

Troubleshooting

Problem	Possible Solution
<p>No outdoor sensor reception</p>  no bars	<p>If the wireless signal indicator shows no bars:</p> <ul style="list-style-type: none"> Relocate the display and/or the outdoor sensor. The units must be within 330 ft (100 m) of each other. Make sure both units are placed at least . 3 feet(9 m) away from electronics that may interfere with the wireless communication (such as TVs, microwaves, computers, etc.). Use standard alkaline batteries (or lithium batteries in sensor when temperature is below -4°F/-20°C). Do not use heavy-duty or rechargeable batteries. NOTE: It may take a few minutes for display and sensor to synchronize after batteries are replaced.
<p>Outdoor temperature is flashing or showing dashes</p>	<p>Flashing of the outdoor temperature is generally an indication of wireless interference.</p> <ol style="list-style-type: none"> Bring both the sensor and display indoors and remove batteries from each. Make sure the A-B-C switches on both units match. Reinstall batteries in the outdoor sensor. Reinstall batteries in the display. Let the units sit within a couple feet of each other for a few minutes to gain a strong connection.
<p>Inaccurate forecast</p>	<ul style="list-style-type: none"> Confirm there is a Wi-Fi connection.  icon should be displayed above the forecast. If the  icon is displayed, refer to “Display not connecting to Wi-Fi” section (page 13). Today and tomorrow’s forecast is downloaded from Dark Sky when connected to Wi-Fi*, so be sure the postal code was entered correctly during Wi-Fi setup. <p>*If the display is not connected to Wi-Fi, the forecast will be generated using the outdoor sensor. Refer to “Inaccurate temperature or humidity” section below.</p>
<p>Inaccurate temperature or humidity</p>	<ul style="list-style-type: none"> Make sure both the display and sensor are placed out of direct sunlight and away from any heat sources or vents (see page 9). Make sure both units are positioned away from moisture sources (see page 9).
<p>Display screen not working</p>	<ul style="list-style-type: none"> Check that the power adapter is plugged into the display and an electrical outlet. Reset the display by pressing the reset button, located on the back of the display. Date and time will need to be entered after a reset.

If your AcuRite product does not operate properly after trying the troubleshooting steps, visit www.AcuRite.com/support or email support@chaney-inst.com for assistance.

Problem	Possible Solution
Display not connecting to Wi-Fi	<ul style="list-style-type: none"> • Your internet router and display must be within range of each other. Relocate your display closer to your router. • Ensure the network name (SSID) and password you've entered are correct. NOTE: Both network name and password are case sensitive. • Reset the display by pressing and holding the RESET button for 10 seconds, located in the battery compartment of the display. Date and time will need to be entered after a reset. • Make sure DHCP is enabled on your router. Most routers have DHCP enabled by default. • Ensure your router is broadcasting a 2.4 GHz network. The weather station display is equipped with a Wi-Fi module that only supports 2.4 GHz wireless networks.
Data not uploading to Weather Underground™	<ul style="list-style-type: none"> • Navigate to "192.168.4.1" in your web browser. Confirm that your Station ID and Station Key are entered correctly.
Can't load Wi-Fi setup page	<ul style="list-style-type: none"> • Verify your computer or mobile device is still connected to the display's Wi-Fi. Reconnect if necessary.

Specifications

TEMPERATURE RANGE	Outdoor: -40°F to 158°F; -40°C to 70°C
	Indoor: 32°F to 122°F ; 0°C to 50°C
HUMIDITY RANGE	Outdoor: 1% to 99% RH
	Indoor: 1% to 99% RH
WIRELESS RANGE	330 ft / 100 m depending on home construction materials
OPERATING FREQUENCY	433 MHz
POWER	Display: 5V, 500mA power adapter 3 x AAA alkaline batteries (optional)
	Sensor: 2 x AA alkaline or lithium batteries
DATA REPORTING	Outdoor: 16 second updates
	Indoor: 60 second updates
WIFI	Weather Underground™ and Dark Sky connectivity require an active 2.4 GHz broadband internet connection

FCC Information

This device complies with part 15 of 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.

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions:

- (1) This device may not cause interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation of the device.

Customer Support

AcuRite customer support is committed to providing you with best-in-class service. **For assistance**, please have the model number of this product available and contact us in any of the following ways:



support@chaney-inst.com

Visit us at www.AcuRite.com

- ▶ Installation Videos
- ▶ Register your Product
- ▶ Instruction Manuals
- ▶ Support User Forum
- ▶ Replacement Parts
- ▶ Submit Feedback & Ideas

IMPORTANT

PRODUCT MUST BE REGISTERED
TO RECEIVE WARRANTY SERVICE

PRODUCT REGISTRATION

Register online to receive 1 year warranty protection

www.AcuRite.com

Limited 1-Year Warranty

AcuRite is a wholly owned subsidiary of Chaney Instrument Company. For purchases of AcuRite products, AcuRite provides the benefits and services set forth herein. For purchases of Chaney products, Chaney provides the benefits and services set forth herein.

We warrant that all products we manufacture under this warranty are of good material and workmanship and, when properly installed and operated, will be free of defects for a period of one year from the date of purchase.

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 us, and at our sole option, be repaired or replaced by us. Transportation costs and charges for returned goods shall be paid for by the purchaser. We hereby disclaim all responsibility for such transportation costs and charges. This warranty will not be breached, and we will give no credit for products which have received normal wear and tear not affecting the functionality of the product, been damaged (including by acts of nature), tampered, abused, improperly installed, or repaired or altered by others than our authorized representatives.

Remedy for breach of this warranty is limited to repair or replacement of the defective item(s). If we determine that repair or replacement is not feasible, we may, at our option, refund the amount of the original purchase price.

THE ABOVE-DESCRIBED WARRANTY IS THE SOLE WARRANTY FOR THE PRODUCTS AND IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. ALL OTHER WARRANTIES OTHER THAN THE EXPRESS WARRANTY SET FORTH HEREIN ARE HEREBY EXPRESSLY DISCLAIMED, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTY OF MERCHANTABILITY AND THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

We expressly disclaim 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.

We further disclaim liability from personal injury relating to our products to the extent permitted by law. By acceptance of any of our products, the purchaser assumes all liability for the consequences arising from their use or misuse. No person, firm or corporation is authorized to bind us to any other obligation or liability in connection with the sale of our products. Furthermore, no person, firm or corporation is authorized to modify or waive the terms of this warranty unless done in writing and signed by a duly authorized agent of ours.

In no case shall our liability for any claim relating to our products, your purchase or your use thereof, exceed the original purchase price paid for the product.

Applicability of Policy

This Return, Refund, and Warranty Policy applies only to purchases made in the United States and Canada. For purchases made in a country other than the United States or Canada, please consult the policies applicable to the country in which you made your purchase.

Additionally, this Policy applies only to the original purchaser of our products. We cannot and do not offer any return, refund, or warranty services if you buy products used or from resale sites such as eBay or Craigslist.

Governing Law

This Return, Refund, and Warranty Policy is governed by the laws of the United States and the State of Wisconsin. Any dispute relating to this Policy shall be brought exclusively in the federal or State courts having jurisdiction in Walworth County, Wisconsin; and purchaser consents to jurisdiction within the State of Wisconsin.

ACU>RITE®



Weather
Stations



Temperature
and Humidity



Weather
Alert Radio



Kitchen
Thermometers
and Timers



Clocks

It's more than accurate, it's ACU>RITE.

AcuRite offers an extensive assortment of precision instruments, designed to provide you with information you can depend on to Plan your day with confidence™.