ACU▸RITE®

Sportsman's Weather Station
models 00249/00249DI

CONTENTS

Questions? We're here to help!
Visit us online at www.**acurite**.com/support

SAVE THIS MANUAL FOR FUTURE REFERENCE.

ACU·RITE®

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. Instruction Manual

IMPORTANT	PRODUCT MUST BE REGISTERED TO RECEIVE WARRANTY SERVICE

PRODUCT REGISTRATION
Register online to receive 1 year warranty protection
www.**acurite**.com/product-registration

Features & 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. **Battery Compartment Cover**

Features & Benefits

DISPLAY

1. **Monthly High/Low Temperature Record**

2. **Barometric Pressure**
   Arrow icon indicates the direction the pressure is trending.

3. **Hunting Activity Meter**
   Predicts wildlife activity level.

4. **Learning Mode Icon**
   Disappears after weather forecast self-calibration is complete.

5. **12 to 24 Hour Weather Forecast**
   Self-Calibrating Forecasting pulls data from the outdoor sensor to generate your personal forecast.

6. **Alarm Clock ON/OFF Indicator**

7. **Intelli-Time® Clock**
   Sets itself to the correct time and automatically updates for daylight saving time.

8. **((☼)) Button**
   Press and release to silence active alarm or to turn alarm ON or OFF (see page 5).

9. **Current Outdoor Temperature**

10. **Sensor Low Battery Indicator**

11. **Today's High/Low Temperature Record**

12. **Outdoor Sensor Signal Strength**

13. **Moon Phase**

14. **Fishing Activity Meter**
    Predicts wildlife activity level.

15. **Intelli-Time® Date**
    Sets itself to the correct date.

16. **Display Low Battery Indicator**

Install or Replace Batteries

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

The outdoor sensor requires lithium batteries in low temperature conditions. Cold temperatures can cause alkaline batteries to function improperly. Use lithium batteries in the outdoor sensor for temperatures below -4°F / -20°C.

Outdoor Sensor

1. Slide off the battery compartment cover.

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.
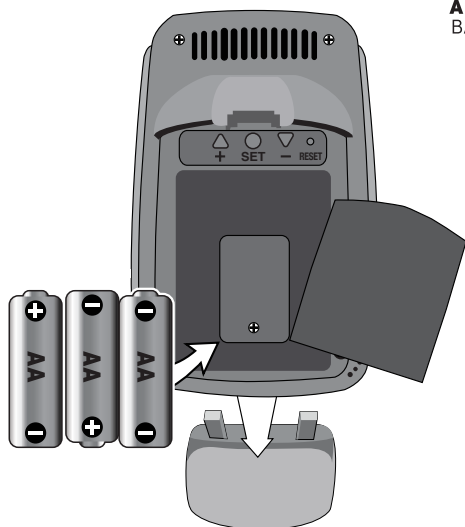
LITHIUM BATTERIES **-40ºF** (-40ºC)   (70ºC) **158ºF**

ALKALINE BATTERIES **-4ºF** (-20ºC)   (70ºC) **158ºF**

Display

1. Slide the stand off of the bottom of the display, as shown.

2. Slide off the battery compartment cover.

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

4. Replace the battery cover.

5. Replace the stand.

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. Ensure the batteries are installed correctly according to polarity (+ and -). Follow the diagram in the battery compartment. Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations. Remove and immediately recycle or dispose of used/dead batteries according to local regulations and keep away from children. Even used batteries may cause severe injury or death. Call a local poison control center for treatment information. DO NOT force discharge, recharge, disassemble, heat above 131° F (55° C) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns. Only batteries of the same or equivalent type as recommended are to be used. DO NOT mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries. DO NOT use rechargeable batteries. Non-rechargeable batteries are not to be recharged. DO NOT short-circuit the supply terminals. Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children. DO NOT dispose of batteries in household trash or incinerate.

Intelli-Time® Clock

Intelli-Time products are pre-programmed with the correct time and date. Intelli-Time technology instructs the time and date to set themselves. All you need to do is select your time zone and daylight saving time preferences. The clock will then automatically set itself and change for daylight saving time.

Set the Time, Date & Units

Press and hold the "SET" button, located in the battery compartment, 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 "SET" button again to adjust the next preference. The preference set order is as follows:

TIME ZONE (PST MST CST EST AST HAT AKT)
DST* (Daylight Saving Time ON or OFF)
CLOCK HOUR
CLOCK MINUTE
CALENDAR MONTH
CALENDAR DATE
CALENDAR YEAR
UNITS: TEMPERATURE (°F or °C)
UNITS: PRESSURE (inHg or hPa)

You will automatically exit SET MODE if no buttons are pressed for 20 seconds. Enter SET MODE at any time by pressing and holding the "SET" button.

*DST is set to ON by default. If you live in an area that observes daylight saving time, DST should remain ON.

Set the Alarm Time

To set the alarm time, press and HOLD the " (⏰) " button to enter ALARM SET MODE. To adjust the currently selected (flashing) item, press and release the "▲" or "▼" buttons, located in the battery compartment.

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

ALARM CLOCK HOUR (Please note AM/PM indicator)

ALARM CLOCK MINUTE

You will automatically exit ALARM SET MODE if no buttons are pressed for 20 seconds. Enter ALARM SET MODE at any time by pressing and HOLDING the " (⏰) " button.

Alarm Clock ON or OFF

Press and RELEASE the " (⏰) " button while in normal operation mode to turn the alarm clock on and off. Note the Alarm Indicator to the left of the time on the display.

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

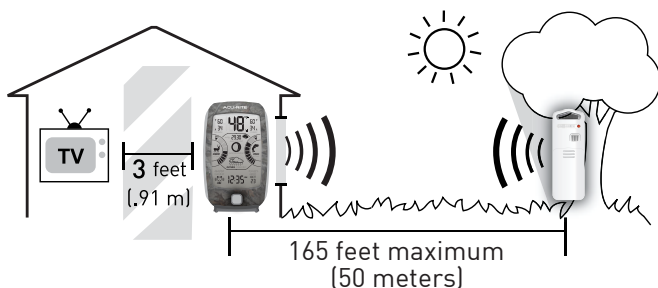Place the display in a dry area free of dirt and dust. Display stands upright for tabletop use.

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 holes 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 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 165 ft (50 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 (.9 m) away from electronic devices (TV, computer, microwave, radio, etc.).
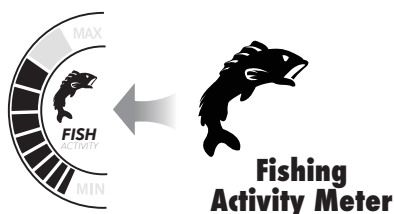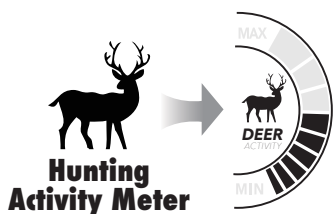
TV

3 feet
(.91 m)

165 feet maximum
(50 meters)

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.

Using the Sportsman's Weather Station

Hunting & Fishing Activity Meter

Don't miss out on favorable weather and wildlife conditions! AcuRite's Hunting & Fishing Activity Meter predicts wildlife activity levels by combining weather observations with lunar positioning data.

Hunting Activity Meter

Fishing Activity Meter

Learning Mode

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 Learning Mode icon disappears from the display screen. At this point, the self-calibrated pressure is tuned in to your location and the unit is ready for superior weather prediction.

Weather Forecast

AcuRite's patented Self-Calibrating Forecasting provides your personal forecast of weather conditions for the next 12 to 24 hours by collecting data from the sensor in your backyard. It generates a forecast with pinpoint accuracy - personalized for your exact location.

STORMY & WINDY	SNOW LIKELY	SNOW / RAIN MIX LIKELY	RAIN LIKELY	MOSTLY CLOUDY
(flashing=stormy)				

Moon Phase

Track the phases of the moon, conveyed through simple lunar phase icons:

High & Low Records

"TODAY" temperature records automatically clear daily at midnight. "MONTH" temperature records automatically clear at midnight on the last day of the month.

To manually clear the HIGH/LOW recorded values, press and HOLD the "▲" or "▼" button. Dashes display to confirm you have cleared the records.

Troubleshooting

Problem	Possible Solution
No outdoor sensor reception ▁▂▃▅ no bars	If the wireless signal indicator shows no bars: • Relocate the display and/or the outdoor sensor. The units must be within 165 ft (50 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 up to 20 minutes for display and sensor to synchronize after batteries are replaced.
Display screen not working	• Check that the batteries are installed correctly. Batteries may need to be replaced. • Reset the display by pressing the reset button, located on the back of the display.
Outdoor temperature is flashing or showing dashes	Flashing of the outdoor temperature is generally an indication of wireless interference. 1. Bring both the sensor and display indoors and remove batteries from each. 2. Reinstall batteries in the outdoor sensor. 3. Reinstall batteries in the display. 4. Let the units sit within a couple feet of each other for about 20 minutes to gain a strong connection.

Troubleshooting

Problem	Possible Solution
Inaccurate forecast	• Weather Forecast icon predicts conditions for the next 12 to 24 hours, not current conditions. • Has Learning Mode icon disappeared from the display unit? Learning Mode must complete before forecast and pressure will be accurate. • Allow unit to run continuously for 33 days. Battery removal or resetting the display unit will restart Learning Mode. After 14 days, forecast should be fairly accurate, however Learning Mode calibrates for a total of 33 days.
Inaccurate temperature	• Make sure both the display unit and sensor are placed out of direct sunlight and away from any heat sources or vents (see page 6).

If your AcuRite product does not operate properly after trying the troubleshooting steps, visit www.acurite.com/support

Care & Maintenance

Display Unit 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.
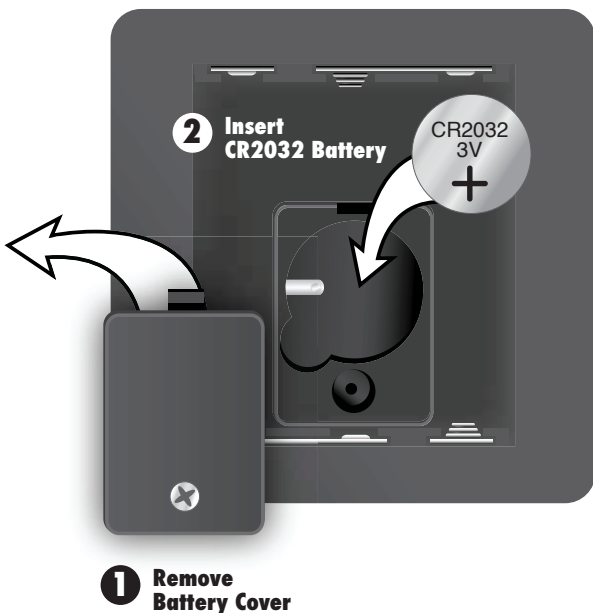
Outdoor Sensor Care

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

Replace Intelli-Time Clock Battery

Intelli-Time technology is powered by a pre-installed coin-cell battery that stores the time and date settings. The battery has a shelf life of several years. To replace the Intelli-Time battery:

1. Locate the coin cell battery compartment door on the back of the display unit. Unscrew and remove the compartment cover.

2. Insert 1 x CR2032 coin cell battery into the battery compartment, as shown. Install battery with "+" positive terminal facing OUT.

3. Screw in the battery cover.

2 Insert CR2032 Battery

CR2032 3V +

1 Remove Battery Cover

Specifications

OUTDOOR TEMPERATURE RANGE	-40°F to 158°F; -40°C to 70°C
WIRELESS RANGE	165 ft / 50 m depending on home construction materials
OPERATING FREQUENCY	433 MHz
POWER	Display: 3 x AA alkaline batteries 1 x CR2032 (3V) coin cell battery Sensor: 2 x AA alkaline or lithium batteries
DATA REPORTING	Outdoor Data: 31 second updates
	Indoor Data: 30 second updates

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.
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.

⚠ WARNING

• **INGESTION HAZARD:** This product contains a button cell or coin battery. • **DEATH** or serious injury can occur if ingested. • A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours.** • **KEEP** new and used batteries **OUT OF REACH of CHILDREN.** • **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.	

* The icon on the product "" means "**WARNING: contains coin battery**".

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:

Chat with our support team at www.**acurite**.com/support

Email us at support@chaney-inst.com

▶ Installation Videos   ▶ Register your Product

▶ Instruction Manuals   ▶ Support User Forum

▶ Replacement Parts   ▶ Submit Feedback & Ideas

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 its 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 do 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.

www.**AcuRite**.com