

Thermometer model 02059



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Questions? Contact Customer Support at
(877) 221-1252 or visit www.AcuRite.com.

SAVE THIS MANUAL FOR FUTURE REFERENCE.



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 with tabletop stand
2. Wireless 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

GO NOW

SUPPORT

Support Forum

Archived Products

► Register a Product

Features & Benefits



WIRELESS SENSOR

1. Integrated Hanger

For easy placement.

2. Wireless Signal Indicator

Flashes when data is being sent to the display.

3. Battery Compartment

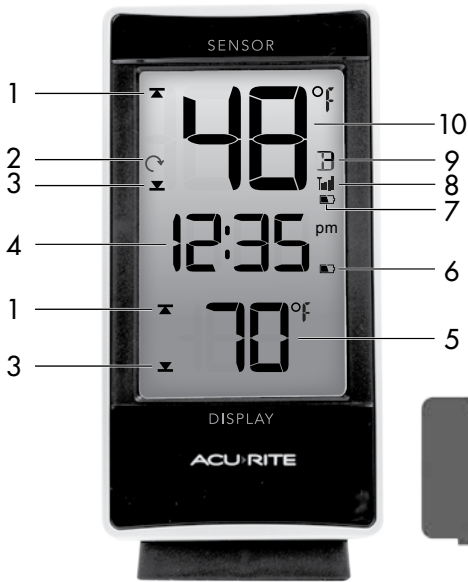
4. A-B-C Switch

ID code that identifies the sensor on the display.

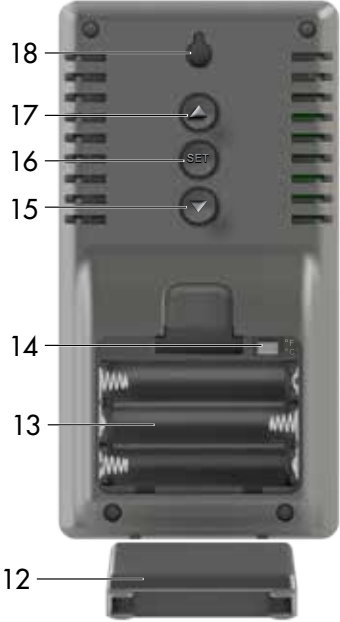
5. Battery Compartment Cover

Features & Benefits

DISPLAY FRONT



DISPLAY BACK



DISPLAY FRONT

- 1. ▲ Icon**
Indicates today's high records are being viewed.
- 2. ↻ Auto-Cycle Indicator**
Indicates auto-cycle mode is enabled (see page 8).
- 3. ▼ Icon**
Indicates today's low records are being viewed.
- 4. Clock**
- 5. Current Display Temperature**
- 6. Display Low Battery Indicator**
- 7. Sensor Low Battery Indicator**
- 8. Sensor Signal Strength**
- 9. Sensor Indicator**
- 10. Current Sensor Temperature**
For selected sensor (#9).

DISPLAY BACK

- 11. Battery Compartment Cover**
- 12. Display Stand**
- 13. Battery Compartment**
- 14. °F/°C Switch**
Press to select temperature units.
- 15. ▼ Button**
For setup preferences and viewing records.
- 16. SET Button**
For setup preferences.
- 17. ▲ Button**
For setup preferences and viewing records.
- 18. Integrated Hang Hole**
For easy wall mounting.

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 different letter choices for each of the sensors if you are synchronizing more than one.

2 Install or Replace Batteries

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

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

1. Slide off the battery compartment cover. Take note of the A-B-C switch setting inside the battery compartment.
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.
4. Repeat steps 1-3 to setup additional sensors (if applicable; sold separately).

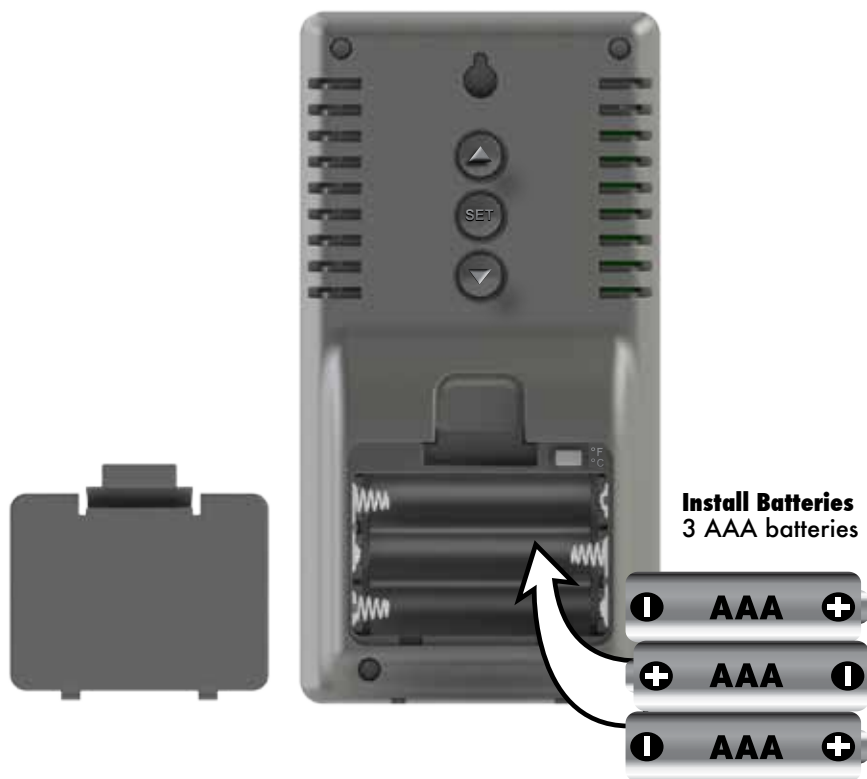
NOTE: The A-B-C switch positions must differ between each sensor. Verify that each sensor has a different channel selected by checking the switch position in the battery compartment.



Display Setup

Install or Replace Batteries

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.



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.

Set the Time & Units

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

- CLOCK HOUR
- CLOCK MINUTE
- TEMPERATURE UNITS (°F or °C)*


*You may also select between degrees Fahrenheit (°F) or Celsius (°C) temperature units after setup by pressing and releasing the °F/°C button, located inside the battery compartment.

You will automatically exit SET MODE if no buttons are pressed for 8 seconds. Enter setup mode at any time by pressing and holding the "SET" button.

Expand the System

The display features built-in sensors for measuring temperature at its location. The display can be expanded to track additional areas by using compatible Temperature Sensors (optional; sold separately). Add up to 3 indoor/outdoor sensors to observe conditions in additional locations within 330 ft (100 m).

Compatible Sensors are available at: www.AcuRite.com

Compatible Sensors	Perfect for:
<div></div> <div>Temperature Sensor Model 06002RM</div>	<ul style="list-style-type: none">Indoor and outdoor applications

Placement for Maximum Accuracy

AcuRite sensors are sensitive to surrounding environmental conditions. Proper placement of both the display and wireless 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 or is wall-mountable.

Wireless Sensor Placement

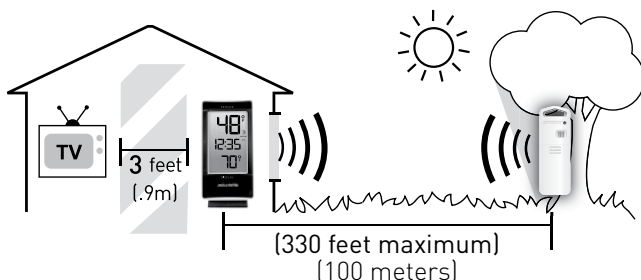
Sensor is water resistant and is designed for indoor or outdoor use, however, to extend its life place the sensor in an area protected from direct weather elements. The sensor may also be placed indoors to measure environmental conditions.

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 heat sources or vents.
- Display and wireless 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 (.9 m) away from electronic devices (TV, computer, microwave, radio, etc.)



Setup is Complete

The sensor(s) 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 Thermometer

High & Low Records

Today's high and low temperatures are recorded for both the display and the wireless sensor(s). Today's records automatically clear at 12:00am midnight every day.


To view today's HIGH temperature records, press and HOLD the "▲" button until the "▲" icon appears on the display next to the high records. Press and release the "▲" or "▼" buttons to cycle through the high records for each wireless sensor.

To view today's LOW temperature records, press and HOLD the "▼" button until the "▼" icon appears on the display next to the low records. Press and release the "▲" or "▼" buttons to cycle through the low records for each wireless sensor.

View Temperature Readings

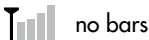
The thermometer displays the current temperature readings for both the display and the wireless sensor(s).

If the thermometer is being used with more than one wireless sensor, toggle between each sensor's readings by pressing and releasing the "▲" or "▼" buttons on the back of the display.

In auto-cycle mode, the display will automatically cycle through the data available for each wireless sensor. Auto-cycle mode can be activated by pressing and releasing the "▲" or "▼" buttons on the back of the display until the  indicator appears.

The Sensor Indicator is used to determine which sensor readings you are viewing. For example, if the Sensor Indicator is displaying "A", the readings are being transmitted from the sensor with the A-B-C switch set to "A."

Troubleshooting

Problem	Possible Solution
<p>No wireless sensor reception</p> 	<p>If the wireless signal indicator shows no bars:</p> <ul style="list-style-type: none"> • Relocate the display and/or the wireless sensor. The units must be within 330 ft (100 m) of each other. • Make sure all 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. <p>NOTE: It may take a few minutes for display and sensor to synchronize after batteries are replaced.</p>
<p>Wireless sensor temperature is flashing</p>	<p>Flashing of the wireless sensor temperature is generally an indication of wireless interference.</p> <ol style="list-style-type: none"> 1. Bring both the sensor and display indoors and remove at least one battery from each. 2. Reinstall the battery in the wireless sensor. 3. Reinstall the battery in the display. 4. Let the units sit within a couple feet of each other for a few minutes to gain a strong connection.
<p>Inaccurate temperature</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 7).
<p>Display screen not working</p>	<ul style="list-style-type: none"> • Check that the batteries are installed correctly. Batteries may need to be replaced.

If your AcuRite product does not operate properly after trying the troubleshooting steps, visit www.AcuRite.com or call (877) 221-1252 for assistance.

Care & 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.

Wireless Sensor Care

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

Specifications

TEMPERATURE RANGE	Sensor: -40°F to 158°F; -40°C to 70°C
	Display: 32°F to 122°F; 0°C to 50°C
WIRELESS RANGE	330 ft / 100m depending on home construction materials
WIRELESS FREQUENCY	433 MHz
POWER	Display: 3 x AAA alkaline batteries
	Sensor: 2 x AA alkaline or lithium batteries
DATA REPORTING	Sensor Data: 16 seconds
	Display Data: 60 seconds

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:



(877) 221-1252

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

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Limited One Year Warranty

At AcuRite, we proudly uphold our commitment to quality technology. Chaney Instrument Co. warrants that all products it manufactures to be of good material and workmanship, and to be free of defects when properly installed and operated for a period of one year from the date of purchase.

We recommend that you visit us at www.AcuRite.com for the fastest way to register your product. However, product registration does not eliminate the need to retain your original proof of purchase in order to obtain warranty benefits.

Chaney Instrument Co. warrants that all products it manufactures to be of good material and workmanship, and to be free of defects when properly installed and operated for a period of one year from the date of purchase. Remedy for breach of this warranty is limited to repair or replacement of the defective item(s). 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. 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 have received normal wear and tear, been damaged (including by acts of nature), 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 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 claims: Chaney Instrument Co.
965 Wells St., Lake Geneva, WI 53147

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AcuRite offers an extensive assortment of precision instruments,
designed to provide you with information you can depend on to
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