ACU▸RITE®

AcuRite Iris® Nano Display
model 06090

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. Instruction Manual

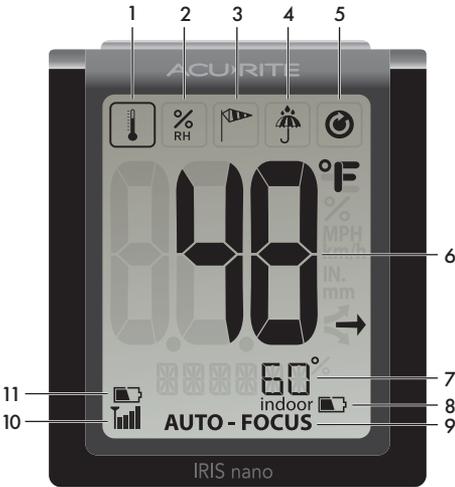**This product <u>requires</u> an AcuRite Iris® Weather Sensor to be operational (sold separately).**

IMPORTANT	PRODUCT MUST BE REGISTERED TO RECEIVE WARRANTY SERVICE

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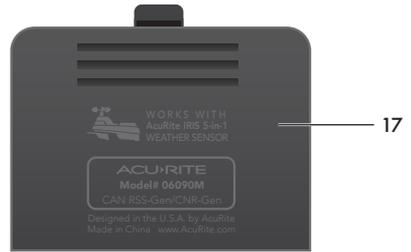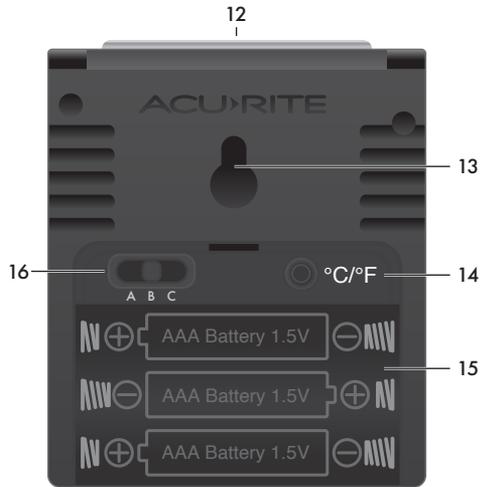www.**acurite**.com/product-registration

Features & Benefits

Front of Display

Back of Display

1. Temperature Indicator
When selected, displays current outdoor temperature.

2. Humidity Indicator
When selected, displays current outdoor humidity.

3. Wind Indicator
When selected, displays current wind speed and direction.

4. Rainfall Indicator
When selected, displays rainfall total from the last 24 hours (see page 5).

5. Auto-Cycle Indicator
When selected, auto-cycle mode will rotate between outdoor readings.

6. Selected Reading
Based on indicators above; includes trend arrow if applicable.

7. Current Indoor Temperature or Humidity
Displays indoor temperature unless humidity is the selected reading (#6), then it displays indoor humidity.

8. Display Low Battery Indicator

9. AUTO-FOCUS Mode Indicator
When enabled, AUTO-FOCUS mode will display the most relevant outdoor reading based on current conditions.
Press and hold DISPLAY SELECT button for 5 seconds to enable or disable(see page 5).

10. Outdoor Sensor Signal Strength

11. Outdoor Sensor Low Battery Indicator

12. DISPLAY SELECT Button
Press and release to manually cycle through outdoor readings or enter auto-cycle mode. Press and hold 5 seconds to enable/disable AUTO-FOCUS mode (see page 5).

13. Integrated Hanger
For easy wall mounting.

14. °C/°F Button
Press and release to select between U.S. standard and metric units.

15. Battery Compartment

16. A-B-C Switch
ID code that must match sensor's A-B-C switch to ensure units synchronize.

17. Battery Compartment Cover

Display Setup

❶ 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.
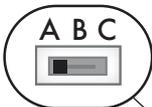
❷ Install or Replace Batteries

1. Remove the battery compartment cover.

2. Insert 3 x AAA batteries (not included) into the battery compartment, as shown. Follow the polarity (+/−) diagram in the battery compartment.
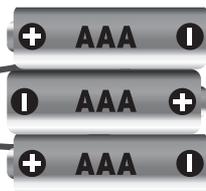
3. Replace the battery cover.

❸ Select Units

Press and release the "C/F" button to select between U.S. standard (Fahrenheit, MPH, inch) and metric (Celsius, km/h, mm) units.

❶ **A-B-C Switch**
Set to match sensor

A B C

ACU·RITE

°C/°F

❸ **Select Units**

❷ **Install Batteries**
3 AAA Batteries

N ⊕ AAA Battery 1.5V ⊖ N

N ⊖ AAA Battery 1 N

N ⊕ AAA Battery 1.5V ⊖ N

⊕ AAA ❘
❘ AAA ⊕
⊕ AAA ❘

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.

Placement for Maximum Accuracy

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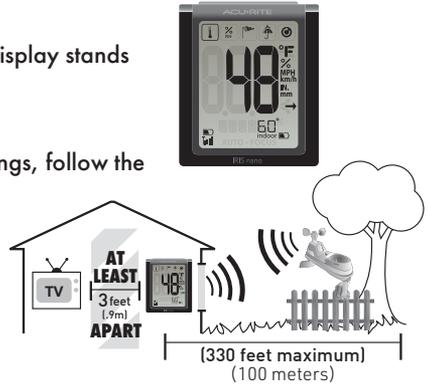
Display Placement

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

Outdoor Device Placement

For optimal performance and the most accurate readings, follow the instructions included with the AcuRite Iris® (5-in-1).

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.).
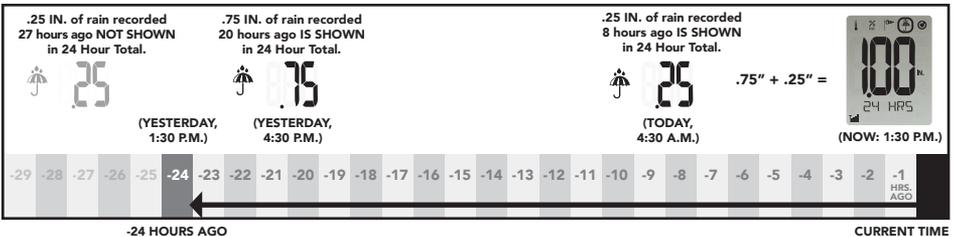
Setup is Complete

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.

OPERATION

Using the AcuRite Iris® Nano Display
Understanding Rainfall

Rainfall accumulation is shown as the total from the last (rolling) 24 hours.

AUTO-FOCUS Mode

When AUTO-FOCUS mode is enabled, the display will automatically show the most relevant weather reading based on current conditions. This feature uses an internal memory of normal weather ranges for temperature, rain, and wind. If any of the current weather readings fall below or raise above the factory-set extremes, AUTO-FOCUS mode will then automatically switch to the affected weather category.

To see a different reading temporarily, press and release the "DISPLAY SELECT" button at any time. Enable or disable AUTO-FOCUS mode by pressing and holding the "DISPLAY SELECT" button for 5 seconds.

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.

Troubleshooting

Problem	Possible Solution
No outdoor sensor reception Tₐₗₗ no bars	If the wireless signal indicator shows no bars: • 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.
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. Make sure the A-B-C switches on both units match. 3. Reinstall batteries in the outdoor sensor. 4. Reinstall batteries in the display. 5. Let the units sit within a couple feet of each other for a few minutes to gain a strong connection.
Inaccurate temperature or humidity	• Make sure both the display and sensor are placed out of direct sunlight and away from any heat sources or vents (see page 6). • Make sure both units are positioned away from moisture sources (see page 5).
Display screen not working	• 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/support**

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	1% to 99%
WIND SPEED	0 to 99 mph; 0 to 159 kph
WIND DIRECTION INDICATIONS	16 points
RAINFALL	0.01 inches (0.25 mm) and up
WIRELESS RANGE	330 ft/100 m depending on home construction materials
OPERATING FREQUENCY	433 MHz
POWER	3 x AAA alkaline batteries (required)
DATA REPORTING	Wind Speed: 18 second updates
	Direction: 36 seconds
	Outdoor temperature & humidity: 36 second updates
	Indoor temperature: 60 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.
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 visit acurite.com/support.

▶ Installation Videos ▶ Register your Product ▶ Submit Feedback & Ideas
▶ Instruction Manuals ▶ Replacement Parts

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.

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