

### 3-in-1 Weather Sensor model 06008



#### Package Contents

1. 3-in-1 Sensor
2. Mounting Hardware
3. Sensor Mounting Bracket
4. Instruction Manual

## IMPORTANT

PRODUCT MUST BE REGISTERED  
TO RECEIVE WARRANTY SERVICE

### PRODUCT REGISTRATION

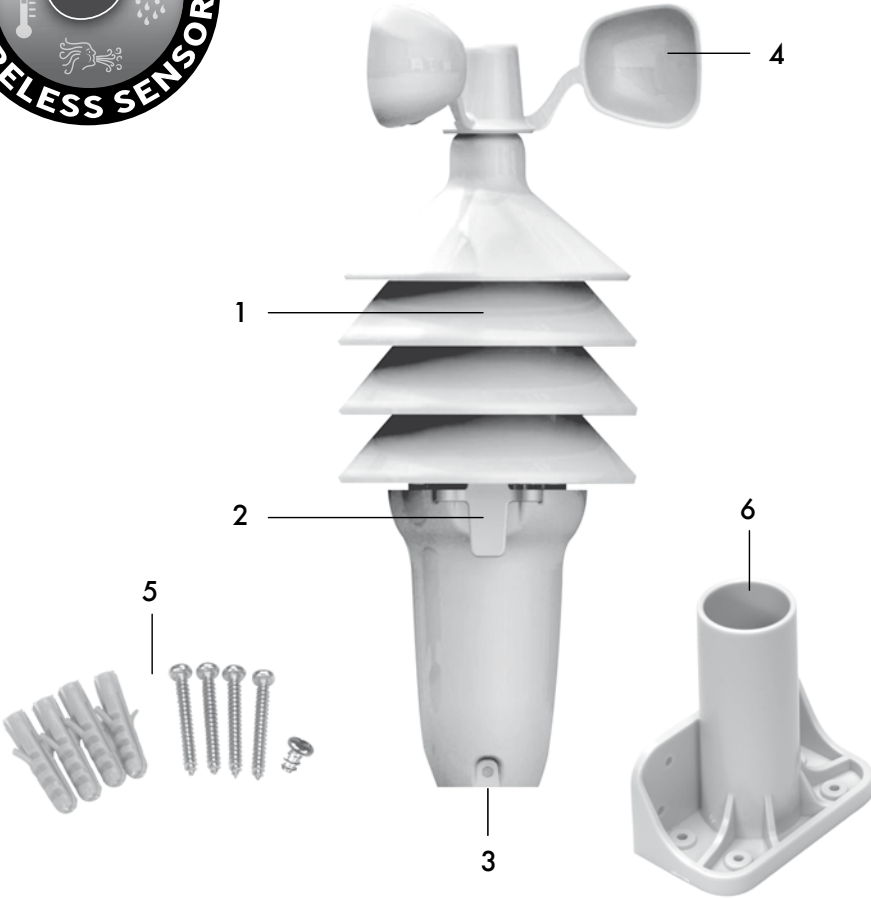
Register online to receive 1 year warranty protection

[www.AcuRite.com](http://www.AcuRite.com)

**Questions?** Contact Customer Support at  
(877) 221-1252 or visit [www.AcuRite.com](http://www.AcuRite.com).

**SAVE THIS MANUAL FOR FUTURE REFERENCE.**

# Features & Benefits



## 3-in-1 SENSOR

- 1. **Temperature & Humidity Sensors**  
(internal)
- 2. **Release Lever for Battery Access**
- 3. **Mounting Point**
- 4. **Wind Speed Anemometer**

- 5. **Mounting Hardware**  
Includes anchors and screws.  
**Qty**  
4 Plastic Anchors  
4 Long Screws  
1 Set Screw
- 6. **Mounting Bracket**
- 7. **A-B-C Switch** (not shown)

## 3-in-1 Sensor Setup

### 1 Set the A-B-C Switch

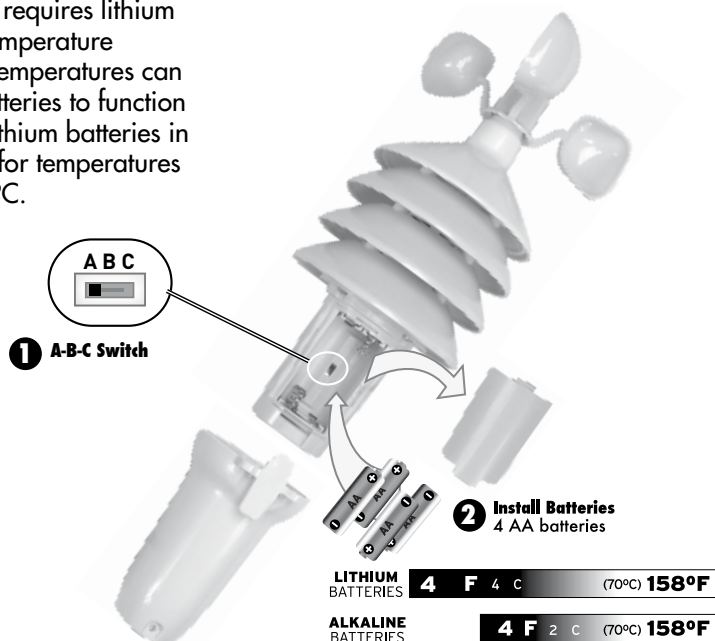
The A-B-C switch is located inside the battery compartment. It can be set to A, B or C. However, you must select the same letter choices for both the sensor and the unit it is being paired with in order for the units to synchronize.

### 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 3-in-1 sensor requires lithium batteries in low temperature conditions. Cold temperatures can cause alkaline batteries to function improperly. Use lithium batteries in the 3-in-1 sensor for temperatures below -4°F / -20°C.

1. Press the release lever and pull off the lower housing of the sensor.
2. Remove the battery compartment cover. Take note of the A-B-C switch setting inside the battery compartment.
3. Insert 4 x AA batteries into the battery compartment, as shown. Follow the polarity (+/-) diagram in the battery compartment.
4. Replace the battery cover and lower housing of the sensor.



**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.

## Placement for Maximum Accuracy

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

### 3-in-1 Sensor Placement



The 3-in-1 sensor is designed to remain outdoors all year long. Choose an open location with no obstructions above or around the sensor for the most accurate measurements.

## Important Placement Guidelines

Sensor must be within 330 feet (100 m) of companion unit (not included).

### MAXIMIZE WIRELESS RANGE

Place sensor away from large metallic items, thick walls, metal surfaces, or other objects that may limit wireless communication.

### LOCATE AWAY FROM HEAT SOURCES

Position sensor away from heaters, air conditioners, chimneys, exhaust vents, asphalt and concrete (surfaces that radiate heat).

### LOCATE AWAY FROM HUMIDITY SOURCES

Avoid installing the sensor near pools, spas, or other bodies of water. Water sources may impact humidity accuracy.

### LOCATE AWAY FROM SPRINKLER HEADS

DO NOT install the sensor where it will be sprayed by a sprinkler system. This may force water inside the sensor.

### LOCATE AWAY FROM WIND OBSTRUCTIONS

DO NOT mount the sensor with obstructions around it. Consider a location that is a wide open area, with few structures around to ensure accurate wind speed measurement.

Visit us online to view installation photos and video, or learn more about AcuRite technology:  
**[www.AcuRite.com/3in1](http://www.AcuRite.com/3in1)**



View Video

## 3-in-1 Sensor Installation Guidelines

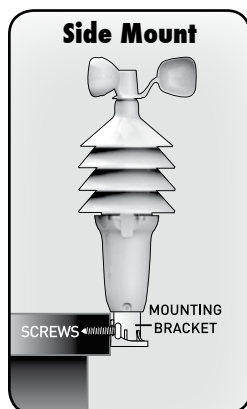
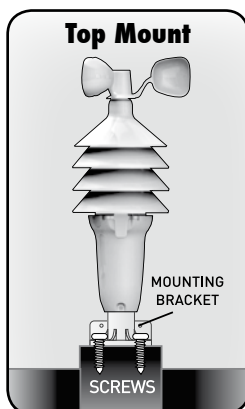
**INSTALLATION HEIGHT** Mount the sensor at a minimum height of 5 feet (1.5 meters) off the ground, in an open area. Higher is better for wind measurements - the National Weather Service recommends 33 feet high!

**MOUNTING OPTIONS** The included mounting bracket is designed to screw directly onto wooden posts or surfaces that are 2" x 4" or larger. The sensor can also be mounted directly to 3/4" steel pipe (available at hardware stores and home centers).

**LEVEL INSTALLATION** Use a bubble level (not included) to ensure level installation for accurate wind measurement.

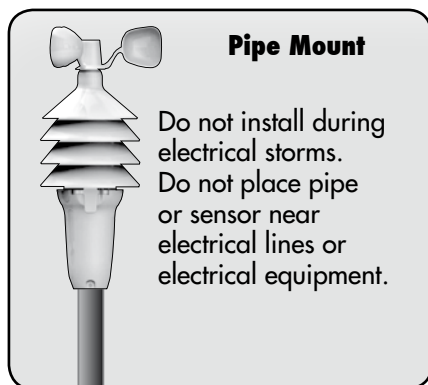
### Top or Side Mount

1. Insert the mounting base into the hole on the bottom of the sensor.
2. Use the set screw included in the hardware bag to fasten the lower sensor housing to the mounting base.
3. Fasten mounting base to a post or railing using the 4 longer screws.



### Pipe Mount

1. Insert pipe or similar item all the way into the hole on the bottom of the sensor.  
Note: Mounting base is not used.
2. Use the set screw included in the hardware bag to fasten the lower sensor housing securely to the pipe.



*The 3-in-1 sensor is now ready to use.*

## Basic Setup is Complete

The 3-in-1 sensor will now synchronize with the companion unit. It may take a few minutes for synchronization to complete.

# Care & Maintenance

## 3-in-1 Sensor Care

### Clean the Sensor

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

### Insect Prevention

Insects may cause obstructions and interrupt data by nesting in or on the 3-in-1 sensor. To limit this problem, spray sensor housing with a household insect repellent. Note: Insect repellent should not be sprayed on the internal components or into the sensor. Consult insect repellent instructions prior to use.

### Snow & Freezing Weather

The 3-in-1 sensor will not be damaged by freezing conditions.

### Clean the Wind Anemometer

Remove foreign matter from the outside of the sensor for free movement of the wind anemometer. If needed, use a small amount of spray lubricant, clear silicone or graphite powder on the anemometer for improved movement. Note: Spray lubricant, clear silicone or graphite powder should not be sprayed on the internal components or into the sensor.

# Specifications

|                     |                                                         |
|---------------------|---------------------------------------------------------|
| TEMPERATURE RANGE   | Outdoor: -40°F to 158°F; -40°C to 70°C                  |
| HUMIDITY RANGE      | Outdoor: 1% to 99%                                      |
| WIND SPEED          | 0 to 99 mph; 0 to 159 kph                               |
| WIRELESS RANGE      | 330 ft / 100 m depending on home construction materials |
| OPERATING FREQUENCY | 433 MHz                                                 |
| POWER               | 4 x AA alkaline or lithium batteries                    |
| DATA REPORTING      | Wind Speed: 18 second updates                           |
|                     | Outdoor temperature & humidity: 18 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 contact us in any of the following ways:



(877) 221-1252

Visit us at [www.AcuRite.com](http://www.AcuRite.com)

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

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## 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.

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