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AcuRite 02016A2

AcuRite 02016 Color Weather Station User Manual

Model: 02016A2 | Brand: AcuRite

PRODUCT OVERVIEW

Plan the day with confidence with your own weather and weather prediction information - pinpoint accuracy right from your own backyard. The AcuRite Color Digital Weather Station uses patented Self-Calibrating Technology to provide your personal forecast of 12 to 24 hour weather conditions. Self-Calibrating Forecasting is generated from weather data measured by a sensor in your yard - giving you the most accurate forecast available for your exact location. The vibrantly colorful, backlit LCD screen includes indoor/outdoor temperature and humidity, moon phase, barometric pressure with weather trend indicator, time, date and a humidity level icon to easily convey a low, high or ideal humidity level. Intelli-Time clock automatically updates itself for Daylight Saving Time. Display stands upright for tabletop use. The outdoor sensor features powerful wireless technology, a weather-resistant design and an integrated hanger for easy mounting. It's more than accurate, it's AcuRite.

WHAT'S IN THE BOX

- Digital Display Unit
- Wireless Outdoor Sensor
- 5 AA Batteries (included)
- Mounting Hardware for Sensor

SETUP GUIDE

1. Install Batteries

Insert the included 5 AA batteries into both the digital display unit and the wireless outdoor sensor. Ensure correct polarity (+/-) as indicated in the battery compartments.

2. Position the Outdoor Sensor



Place the wireless outdoor sensor in a location that is protected from direct sunlight and precipitation for accurate readings. It features a weather-resistant design and an integrated hanger for easy mounting on a wall or tree branch. Ensure it is within range of the main display unit for optimal wireless signal transmission.

3. Position the Digital Display Unit



The display unit is designed for tabletop use and stands upright. Place it in a central location within your home where you can easily view the information. The unit will automatically begin receiving data from the outdoor sensor and initiate its Self-Calibrating Forecasting process.

4. Intelli-Time Clock Synchronization

The Intelli-Time clock automatically adjusts itself for Daylight Saving Time, ensuring the correct time is always displayed without manual intervention.

OPERATING INSTRUCTIONS

Understanding the Display



The vibrant, backlit LCD screen provides a wealth of information at a glance. Key sections include:

- **Moon Phase:** Displays the current lunar phase.
- **Time & Date:** Automatically updated by the Intelli-Time clock.
- **Indoor Temperature & Humidity:** Current readings for your indoor environment, along with daily high/low records.
- **Outdoor Temperature & Humidity:** Current readings from the wireless sensor, along with daily high/low records.
- **Weather Forecast:** An icon-based prediction for 12 to 24 hour weather conditions, generated by the Self-Calibrating Technology.
- **Barometric Pressure:** Displays current pressure and a trend indicator.
- **Humidity Level Icon:** Easily conveys low, high, or ideal humidity levels indoors.

The numbers on the display are large and clear, ensuring easy readability from a distance.

Adjusting Display Brightness

The display unit features adjustable brightness settings. Use the controls on the unit to cycle through different brightness levels to suit your preference and ambient lighting conditions.

MAINTENANCE

- **Cleaning:** Wipe the display unit and outdoor sensor with a soft, damp cloth. Do not use abrasive cleaners or chemicals that may damage the surfaces.
- **Battery Replacement:** Replace batteries in both units annually or when the low battery indicator appears on the display. Always replace all batteries at the same time with new ones.
- **Sensor Placement Check:** Periodically check the outdoor sensor's placement to ensure it remains protected from direct elements and has a clear path for wireless transmission.

TROUBLESHOOTING

Problem	Possible Solution
No outdoor sensor data	Ensure batteries are fresh and correctly installed in the sensor. Move the sensor closer to the display unit. Check for sources of wireless interference (e.g., large metal objects, electronics). Perform a hard reset by removing batteries from both units for 5 minutes, then reinserting them, starting with the outdoor sensor.
Inaccurate temperature/humidity readings	Ensure the outdoor sensor is not in direct sunlight or near heat sources. Verify the indoor unit is not near vents or direct sunlight. Allow 20 minutes for readings to stabilize after setup.
Display screen is dim or blank	Check if the unit is plugged into a power outlet (if applicable) or if batteries need replacement. Adjust the brightness setting using the controls on the unit.
Weather forecast is incorrect	The Self-Calibrating Forecasting requires 14 days of continuous operation to gather pressure data for accurate predictions. Ensure the unit has been running for this period.

For more detailed troubleshooting or specific issues, please refer to the official user manual PDF: [AcuRite 02016 User Manual \(PDF\)](#).

SPECIFICATIONS

Feature	Detail
Brand	AcuRite

Feature	Detail
Model Number	02016A2
Power Source	Battery Powered (5 AA batteries included)
Special Feature	Colorful Backlit LCD Display
Material	All-weather material (sensor)
Connectivity Technology	Wireless (433 MHz)
Temperature Accuracy	+/- 1.11 degrees Celsius
Upper Temperature Rating	158 Degrees Fahrenheit
Item Weight	1.1 Pounds
Product Dimensions	1.6 x 3.6 x 7.5 inches
Display Type	LCD
UPC	072397020169, 787732735799

WARRANTY AND SUPPORT

For warranty information and additional support, please visit the official AcuRite Store on Amazon or refer to the comprehensive user manual.

- Official User Manual (PDF): [Download Here](#)
- Visit the AcuRite Store: [AcuRite Store](#)