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For technical assistance and product return information, please call
Customer Care: **877-221-1252** Mon. - Fri. 8:00 A.M. to 4:30 P.M. (CST)

www.chaneyinstrument.com

LIMITED ONE YEAR WARRANTY

Chaney Instrument Company warrants that all products it manufactures to be of good material and workmanship and to be free of defects if properly installed and operated for a period of one year from date of purchase. REMEDY FOR BREACH OF THIS WARRANTY IS EXPRESSLY LIMITED TO REPAIR OR REPLACEMENT OF DEFECTIVE ITEMS. 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. In all cases, 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 shall have received normal wear and tear, been damaged, tampered, abused, improperly installed, damaged in shipping, or repaired or altered by others than authorized representatives of Chaney.

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For in-warranty repair, please contact:
Customer Care Department
Chaney Instrument Company
965 Wells Street
Lake Geneva, WI 53147

Chaney Customer Care
877-221-1252
Mon-Fri 8:00 a.m. to 4:30 p.m. CST

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This device complies with part 15 of the 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.

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.

Patent numbers: 5,978,738; 6,076,044; 6,597,990; US 7,637,141 B2

75077 INST 111510

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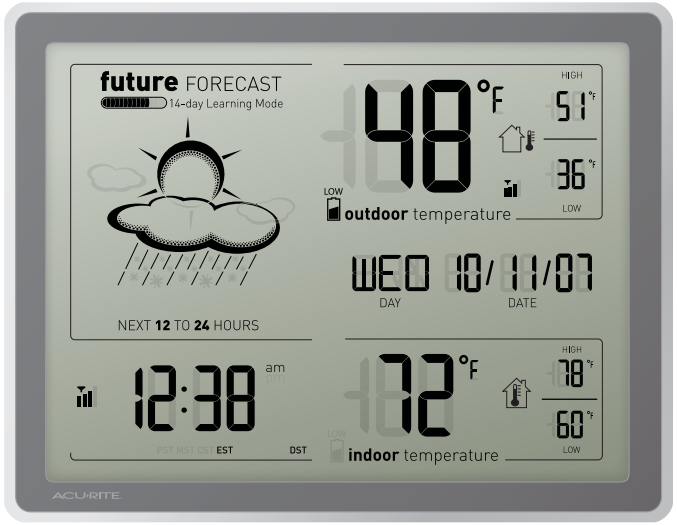
DESIGNED TO WORK FOR YOU™



Weather Forecaster

model #75077

Instruction Manual

Introduction

The Acurite® Weather Forecaster with wireless outdoor sensor collects outside weather data and sends it wirelessly to the Display Console via a low-power radio frequency. This weather forecaster has been designed to be easy to install and use.

The sleek display console houses a liquid crystal display (LCD) which will calculate and display all the weather data received from the wireless sensor outside. The display console features a pressure sensor for measuring barometric pressure and a temperature sensor for measuring indoor temperature. The Display Console is powered with three "AA" alkaline batteries (not included).

The wireless outdoor sensor is completely wireless and contains a sensor for measuring outdoor temperature. The wireless outdoor sensor is powered with two "AA" alkaline or lithium batteries (not included).

Please read through this manual to learn more about the Acurite® Weather Forecaster. Keep this manual for future reference.

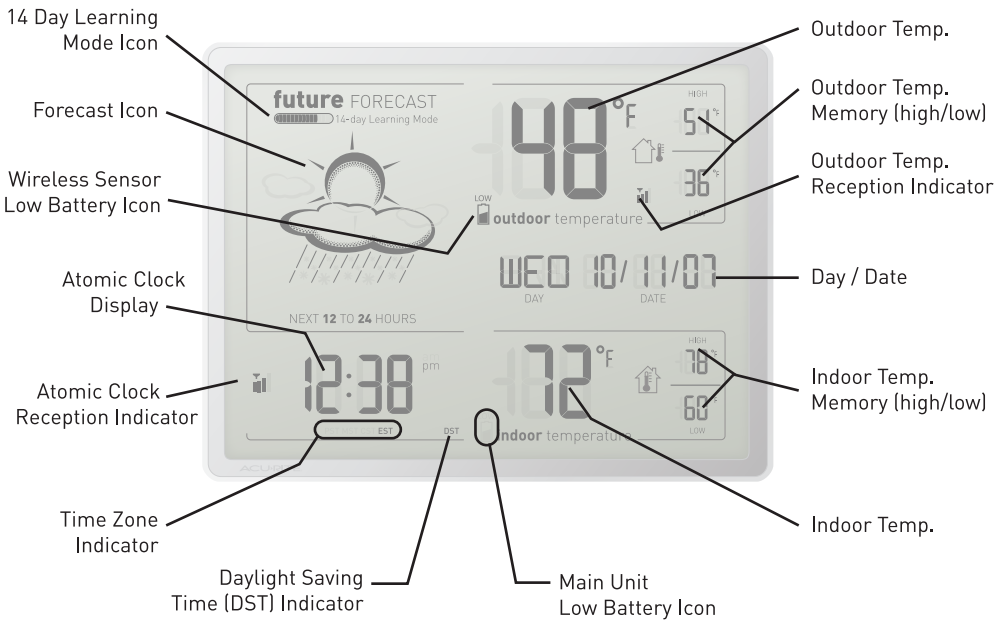
PRODUCT REGISTRATION

To receive product updates and information,
Log on to
www.chaneyinstrument.com

Parts List model #75077

1. *Display console*
2. *Wireless outdoor sensor*

Display Features

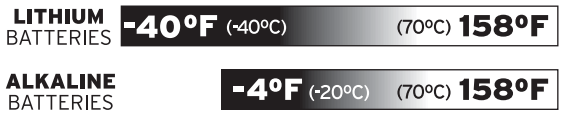


PLEASE DISPOSE OF OLD OR DEFECTIVE BATTERIES IN AN ENVIRONMENTALLY SAFE WAY AND IN ACCORDANCE WITH YOUR LOCAL LAWS AND REGULATIONS.

BATTERY SAFETY: Clean the battery contacts and also those of the device prior to battery installation. Remove battteries from equipment which is not to be used for an extended perid 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.

Battery Choice & Temperature Range

Extended periods of cold temperatures (below -4°F / -20°C) can cause alkaline batteries to function improperly. This will cause the outdoor wireless sensor to stop transmitting temperature readings. Use lithium batteries in these low temperature conditions to ensure continued operation for wireless sensors placed outdoors.



A/B/C Wireless Selection

To allow for more than one weather station and wireless sensor network to be used in close proximity, the display unit and the wireless sensor have a small switch labeled "A B C" within the battery compartments. This switch selects one of 3 wireless modes to use, and both switchs MUST be set in matching positions (either A, B, or C) fore wireless communication to take place successfully.

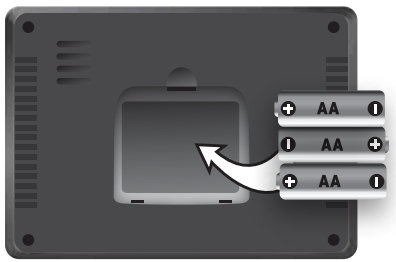
Installing Batteries - Wireless Sensor

Remove the battery compartment cover. Install 2 fresh "AA" batteries as shown here.

BATTERIES MUST BE INSTALLED FOR THE SENSOR TO OPERATE

Installing Batteries - Display Console

Remove the battery compartment cover. Install 3 fresh "AA" batteries as shown here.



About the Self Setting Atomic Clock

In North America, the National Institute of Standards and Technologies operates an atomic clock in Colorado which transmits the time codes via the radio station WWVB. The Acurite clock you have purchased includes a built-in receiver which picks up the signal from the WWVB station. For the best possible reception, place the display unit with the back side facing Colorado. Synchronization with the WWVB atomic clock signal happens at night when there is less interference.

Display Console : Basic Setup

Press and hold the "SET" button to enter into set mode. The time zone (next to the clock display) will begin blinking.

To adjust the currently selected (flashing) preference item, press and release the "▲" or "▼" buttons.

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

TIME ZONE (PST MST CST EST AST HAST AKST)
DST (Daylight Saving Time ON or OFF)
CLOCK HOUR
CLOCK MINUTE
CALENDAR MONTH
CALENDAR DATE
CALENDAR YEAR

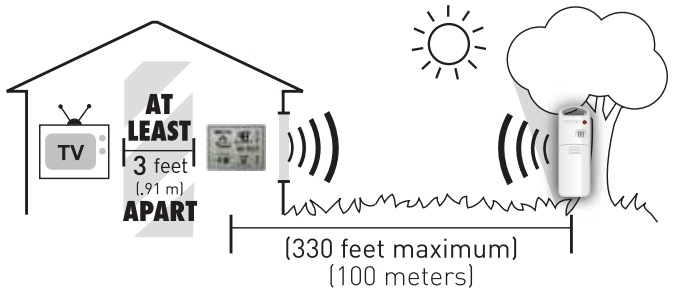
You will automatically exit SET MODE if no entries are changed for 30 seconds. You may enter basic setup mode again at any time by pressing and releasing the "SET" button.

SELECT ºF OR ºC TEMPERATURE UNITS

This forecaster is capable of displaying the temperature in either Fahrenheit or Celsius temperatre scales. Press and release the "°F/°C" button to change the scale selection.

Now that setup is complete, you must choose a location to place the wireless sensor and the display console. The wireless sensor MUST be placed less than 330 feet (100 meters) away from the display console.

This wireless forecaster uses radio frequency for communication, which is susceptible to interference from other electronic devices and large metallic items or thick walls. Always place both units at least 3 feet (.91 m) away from appliances (TV, microwave, radios, etc.) or objects that may interfere with the wireless communication (large metal surfaces, thick stone walls, etc.).



Placement of Display Console

Place the display console in a dry area free of dirt and dust. To help ensure an accurate indoor temperature measurement, be sure to place the display console out of direct sunlight, and away from any heat sources or vents in your home. There are 2 placement options for the display console. You may hang the main unit on a wall using the integrated hang hole. Alternatively, you may place the main unit on a table top or other flat surface using the integrated fold-out table top display stand.

Placement of Sensor

The wireless sensor MUST BE PLACED OUTDOORS to observe outdoor temperatures. The wireless sensor must be placed less than 330 feet (100 meters) from the display console. The wireless sensor is water resistant and is designed for general outdoor use. However, to extend the life of the product, place the wireless sensor in an area protected from direct weather elements. To ensure an accurate outdoor temperature measurement, be sure the wireless sensor is placed out of direct sunlight and away from any heat sources.

There are 2 placement options for the wireless sensor. You may hang it using one of the two integrated hang holes, or use string (not included) to hang it from a suitable location like a well covered tree branch.

Weather Forecast

FORECAST: 14 day learning mode

This weather forecaster has a patented "fourteen day learning mode" calibration process. During this learning mode the weather forecaster will make altitude calculations that may affect the accuracy of the forecast. Once the 14 day learning mode process is complete, the weather forecast should be ready for superior operation.

learning mode progress indicator

...after 3 days | **...half-way completed** | **...one day to go**

FORECAST: future forecast icon

The display console features a weather forecast icon which gives you the predicted weather forecast for the next 12 to 24 hours based on an advanced algorithm that observes the changes in barometric pressure and temperature. The FORECAST icon will then predict the future (next 12 to 24 hours) weather forecast. This weather station will provide the most accurate forecast that a single station weather instrument can provide.

EXAMPLE OF WEATHER FORECAST DISPLAY ICONS	RAIN LIKELY	LIGHT RAIN LIKELY	PARTLY CLOUDY	CLEARING
	(flashing=stormy)			
RAIN/SNOW MIX LIKELY	**SNOW LIKELY**	**LIGHT SNOW LIKELY**	**CLOUDY**	**MOSTLY CLOUDY**
(flashing=stormy)				

Problem	Possible Solution
Bad Wireless Sensor Reception no bars	Relocate the main unit and/or the wireless sensor. Both units must be within 330 feet (100 meters) from each other. Make sure both units are placed at least 3 feet (.91 m) from other electronic appliances and devices that may interfere with the wireless communication (such as TV's, microwaves, computers etc). NOTE: It may take up to 20 minutes for the main unit to re-synchronize with the sensor when batteries are replaced. Use lithium batteries in sensor when temperature is below -4°F (-20°C).
Display Console Screen Not Working	Batteries may need replacing Check that batteries are correctly installed

NOTICE: If the display fails to start properly, press the reset button located on the back of the display unit. Please note that the date and time information will need to be entered after a reset.

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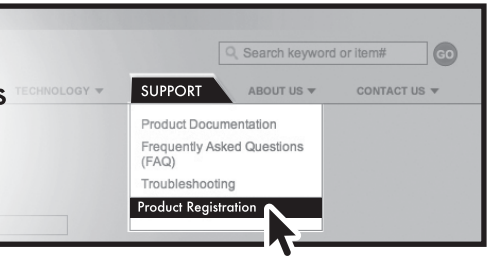

Product Facts

Batteries: 5 x "AA" (not included)
Lithium Batteries Recommended below -4°F

Measurement Ranges

Outdoor Temperature: **-40°F to 158°F**
-40°C to 70°C

Indoor Temperature: **32°F to 122°F**
0°C to 50°C

Wireless Range: **330 ft /** 100m **MAX**
Depending on home construction materials

For best accuracy & performance, place the wireless sensor in a location protected from direct sunlight and precipitation.

MADE IN CHINA HECHO EN CHINA

Limited One Year Warranty
Instructions & Warranty Enclosed

Customer Care:
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Patent numbers: 5,978,738; 6,076,044; 6,597,990; US 7,637,141 B2
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Lake Geneva, WI