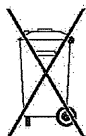


ACURITE®

Wireless Weather Station + COMPANION



If at any time in the future you need to dispose of this product please note that: Waste electrical products should not be disposed together with household waste. Please recycle where facilities exist. Check with your local Authority or retailer for recycling advice



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

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 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.

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.

FCC 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 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.

Do not return product to retail store. For Technical Assistance and product return information, please call Customer Care:

877-221-1252

HOURS: Monday through Friday from 8:00 a.m. to 4:45 pm CST.

LIMITED WARRANTY - INTERNATIONAL

Consumer may have more remedies at law than follows. Chaney Instrument Company warrants to the owner, this product to be free from defect in material and workmanship for one year from date of purchase. CHANEY INSTRUMENT SHALL NOT BE LIABLE FOR ANY INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES, WHETHER ARISING IN CONTRACT OR TORT. Chaney Instrument's obligation (at its option) is limited to repair or replace this product. For in-warranty repair, send product, accompanied by Guarantee, bearing Dealer's name and date of purchase, with \$5.00 to cover handling and postage, to:

www.chaneyinstrument.com
Tel: 877-221-1252
Made in China

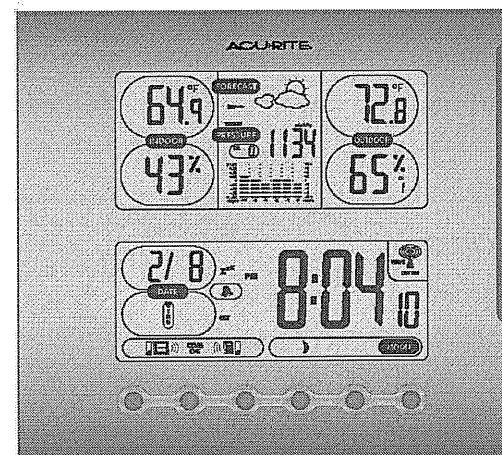
Chaney Instrument Company
965 Wells Street
Lake Geneva, Wisconsin 53147

ACURITE®

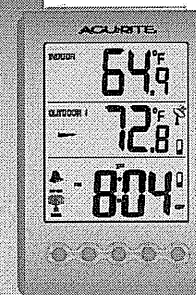
Instruction Manual

Wireless Weather Station + COMPANION MODEL # 00605

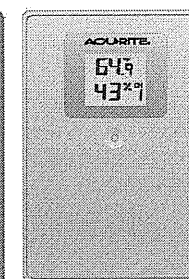
Main Unit



COMPANION



Wireless Sensor



Thank You! We appreciate you for purchasing the new generation radio-controlled wireless weather station + COMPANION. This instrument set is designed and engineered with state-of-the-art technology and components. It will provide the date, time, barometric pressure, and indoor & outdoor temperatures and humidity levels. A visual representation of the weather forecast is also provided on the main unit.

The wireless sensor sends information about current conditions to the main unit AND to the companion piece. This method of information broadcasting wirelessly to both units allows you to view the same information in two areas of your home. For example, the main unit could be placed in the kitchen and the companion, which also has an alarm clock could be placed in a bedroom.

1 CHECK PACKAGE CONTENTS

- (1) Main Unit - 7.25" x 6.5" x 1.25" *
- (1) Snap-on base support
- (1) Companion - 2.75" x 4" x 1.25" **
- (1) Thermo Hygro remote sensor - 2.25" x 3.25" x .75" **
- * dimensions approximate
- (1) Instruction manual

2 READ

Please read this entire manual carefully before you set up the instrument and begin to use it. In this way you can become familiar with the features of the weather station & companion to get the most benefit from it.

3 INSTALL BATTERIES

Main Unit: Always install batteries into the main unit first. On the back of the unit, remove the battery compartment cover. Insert 3 AA alkaline batteries. Replace the cover.

Companion: On the back of the unit, remove the battery compartment cover. Insert 2 AAA alkaline batteries. Replace the cover.

Wireless Sensor: After batteries have been put into the main unit and companion, remove the back cover of the wireless sensor. Insert 2 AA alkaline (or lithium) batteries.

NOTE: When replacing the batteries for the wireless sensor, remove the batteries from the sensor and clear that sensor's channel on the main unit by pressing and holding the CHANNEL button when the corresponding channel is displayed. Reinstall the batteries into the wireless sensor.

Operating Range of Batteries

LITHIUM BATTERIES	-22°F (-30°C)	158°F (70°C)
ALKALINE BATTERIES	-4°F (-20°C)	158°F (70°C)

Severe cold (below -4° F/-20° C) can cause alkaline batteries to freeze and function improperly. Use lithium batteries in extremely low temperature conditions to ensure continued operation.

4 CHOOSE WHERE TO PLACE THE MAIN UNITS and WIRELESS SENSOR

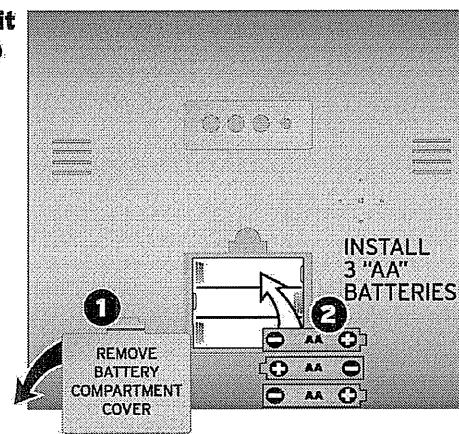
Main Unit/Companion: Choose wall mount or table-top placement.

- Choose a location for each unit that is at least 10 feet away from other electronic devices that may interfere with the wireless signal.
- Wall mounting: Use the mounting slot on the back of each unit to hang on the wall.
- Table-top placement: Snap the base support to the main unit by inserting the support's two barbed prongs into holes on the bottom edge of the main unit. The companion has an integrated fold-out stand for table-top placement.

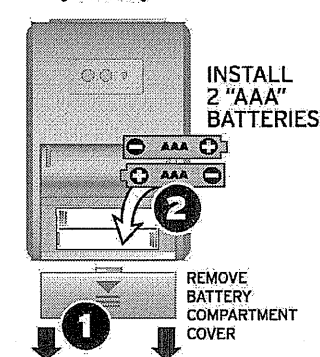
Wireless Sensor: When placing the sensor, consider these things:

- Although the sensor is designed for outdoor use, placement in a protected area will prolong its life.
- Mounting: Use the mounting slot on the back of the unit to hang it from a wall or vertical surface.
- The sensor must be within 100 feet (30 meters) of each of the main units.
- The sensor is resistant to weather and to water. It is NOT WATERPROOF.
- Prolonged exposure to cold weather may cause damage to the LCD panel.
- Wireless sensor must be placed outdoors to observe outdoor temperatures and humidity.

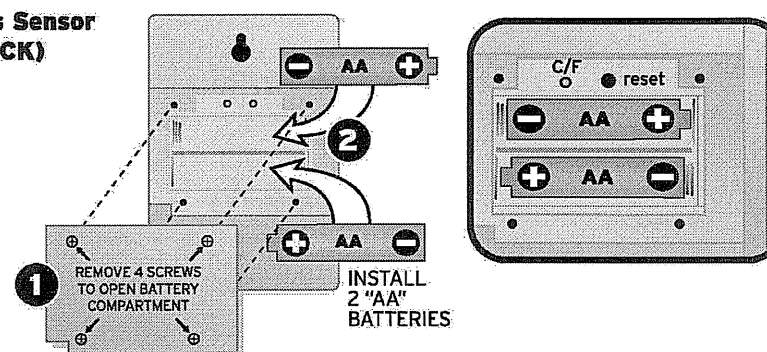
Main Unit (BACK)



COMPANION (BACK)



Wireless Sensor (BACK)

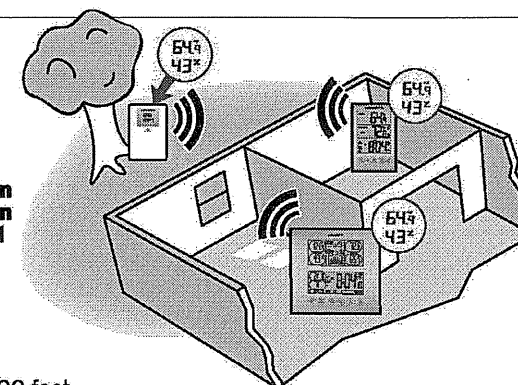


Placement

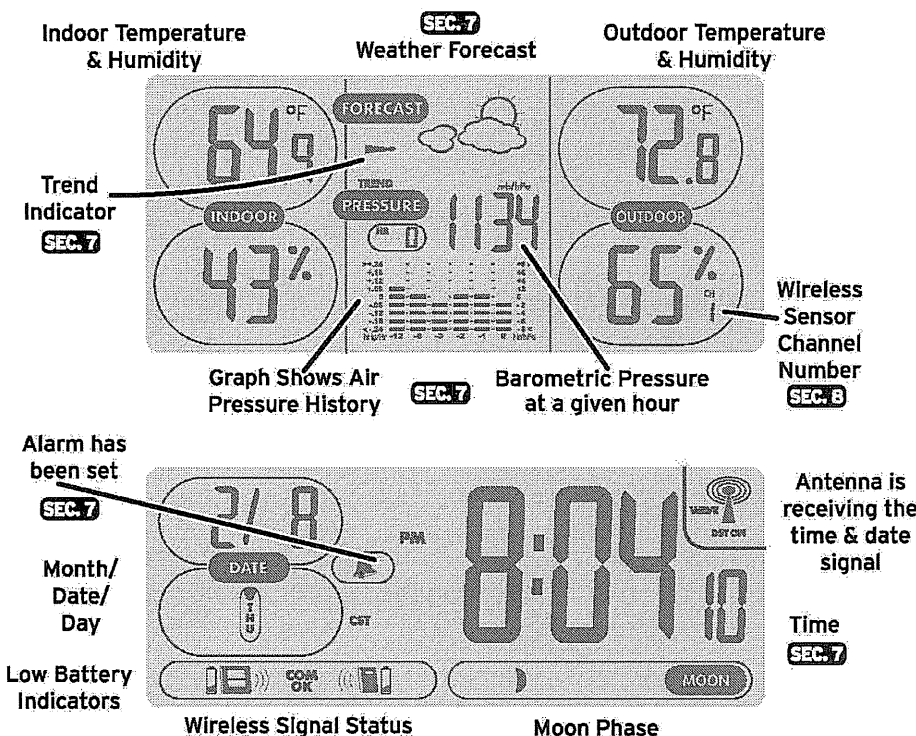
- **Wireless sensor** should be placed out of direct sunlight and be protected from direct weather elements.

100 feet (30m) maximum wireless distance between main unit/companion and wireless sensor.

- **Main Unit & Companion** should be placed at least 10 feet from other electronic devices (TV's, computers, etc.) and both should be less than 100 feet from the wireless sensor.



5 OVERVIEW - MAIN UNIT

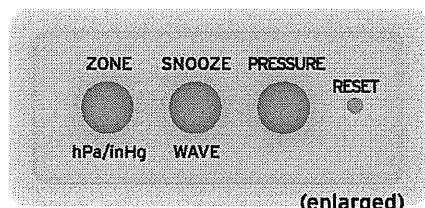


FUNCTION BUTTONS (FRONT)

TIME + - ALARM MEMORY CHANNEL

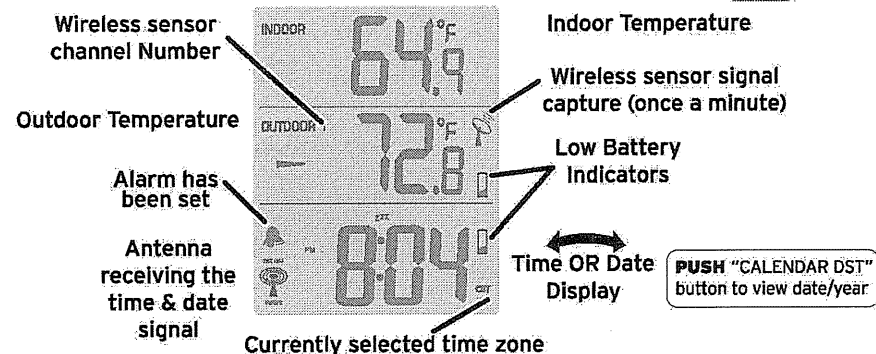
12/24 °C/°F CLEAR

FUNCTION BUTTONS (BACK)



SEE
SEC. 9
FOR BUTTON
ACTION
DESCRIPTIONS

6 USING THE COMPANION

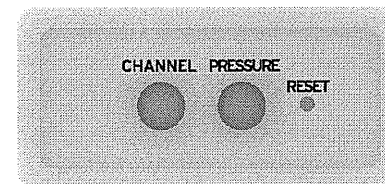


FUNCTION BUTTONS (FRONT)

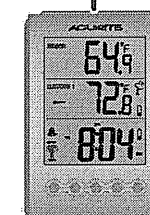
TIME + - ALARM MEMORY

CALENDAR DST 12/24 °C/°F CLEAR

FUNCTION BUTTONS (BACK)



SNOOZE/WAVE (& backlight)



SEE
SEC. 9
FOR BUTTON
ACTION
DESCRIPTIONS

Radio-controlled Clock : The unit starts synchronizing the clock after the 1st channel of the wireless sensor begins to send its information to the main unit. (This is called registration.) The built-in antenna receives the official time signal from the US Government's National Institute of Standards and Technology. A microchip translates the time signal and adjusts the time display for the correct time, and date.

Manually setting the time and date:

Press and hold the "TIME" button, and the time display will flash on the screen. Using the + and - buttons adjust each section and confirm (and move on) by pressing the "TIME" button. (set order: hours, minutes, month, date, year, daylight saving time)

NOTE: You cannot change any settings manually if the clock is attempting to synchronize. Allow the clock to finish the cycle, and then manual changes can be made if the clock has not automatically acquired the signal and set itself to the correct time.

Time Zone:

Note: Default setting is Pacific Time. If you live outside of the Pacific Time Zone, you will need to set your Time Zone using the following procedure:

Press the "ZONE" button on the back of the main unit to change the time zone settings.

PST = Pacific MST = Mountain CST = Central EST = Eastern



The antenna icon will flash on and off during synchronization. If the icon disappears, this indicates that the radio signal is not available. If you are unable to obtain a signal after a long period of time, try placing the base unit away from sources of interference such as computers, televisions, cordless phone bases, and other electronic items.

Note: The synchronization process can take 24-72 hours. If the signal is still not captured, the "WAVE" (snooze/wave) button may be pushed and held for 5 seconds to begin searching for the time signal again.

Celsius/Fahrenheit:

Press and release the - / °C/°F button. The display will change to either Fahrenheit or Celsius.

Trend Indicators:

Arrow indicators beside the upper display outdoor temperature and humidity readings show:



The arrow icons will indicate rising, steady or falling if the temperature or humidity change is more than 1 unit (degree/percent) within an hour.

Temperature Memory:

Press the "MEMORY" button to view the **minimum** values (Inside/ Outside Temperature) for 5 seconds. Press the "MEMORY" button again to view the **maximum** memory. The memory will automatically refresh every 24 hours.

SETTING THE ALARM:

- 1) Hold "ALARM" for 5 seconds.
- 2) The hour number(s) flash. Press + or - to enter the desired hour. Press "ALARM" to confirm the hour setting.
- 3) The minute number(s) flash. Press + or - to enter the desired minute. Press "ALARM" to confirm the minute setting.

To view the alarm time, press the "ALARM" button during the normal operating mode. Alarm time will display for fifteen seconds. Then, the current time is displayed.

To Turn the Alarm On and Off: press the "ALARM" button and then the "+" button during the normal operating mode. A bell icon will appear when the alarm is on.

To Turn off the Alarm for 24 hours: To turn the alarm off for 24 hours, press the "ALARM" button when the alarm sounds

Snooze:

When the alarm sounds, press the "SNOOZE" button to trigger the snooze feature. The alarm is silenced for five minutes.

Backlight:

Press the "SNOOZE/WAVE" button to activate the backlight for 5 seconds for low-light viewing of the on-screen information.



Radio-controlled Clock : The unit starts synchronizing the clock after the 1st channel of the wireless sensor begins to send its information to the main unit. (This is called registration.) The built-in antenna receives the official time signal from the US Government's National Institute of Standards and Technology. A microchip translates the time signal and adjusts the time display for the correct time, and date.

Manually setting the time and date:

Press and hold the "TIME" button, and the year display will flash on the screen. Using the + and - buttons adjust each section and confirm (and move on) by pressing the "TIME" button. (set order: hours, minutes, month, date, year, daylight saving time)

NOTE: You cannot change any settings manually if the clock is attempting to synchronize. Allow the clock to finish the cycle (tower icon is no longer animated), and then manual changes can be made to the time and date settings if desired.

Time Zone:

Note: Default setting is Pacific Time. If you live outside of the Pacific Time Zone, you will need to set your Time Zone using the following procedure:

Press the "ZONE" button on the back of the main unit to scroll through the time zone settings.

PST = Pacific MST = Mountain CST = Central EST = Eastern

The antenna icon will flash on and off during synchronization. If the icon disappears, this indicates that the radio signal is not available. If you are unable to obtain a signal after a long period of time, try placing the base unit away from sources of interference such as computers, televisions, cordless phone bases, and other electronic items.

Note: The synchronization process can take 24-72 hours.

Celsius/Fahrenheit:

Press and release the - (minus) button. The display will change to either Fahrenheit or Celsius.

Barometer Set Up:

The digital barometer will calculate and forecast the weather conditions. Your instrument will not provide a reliable forecast unless your current barometric pressure is entered in.

Adjust the barometric pressure to reflect your current conditions:

NOTE: Please see http://weather.unisys.com/surface/sfc_con_pres.html to help set and adjust the barometric pressure.

- 1) Press and hold PRESSURE button for 5 seconds
- 2) Press + , and/or - to adjust the air pressure to the current pressure.
- 3) Press the PRESSURE button to confirm the setting and exit

Changing the Pressure Scale: To change the scale between mb (millibars) hPa (hectoPascals) and inHg (Inches of mercury), push "ZONE" button while in pressure adjust mode.

USING THE MAIN UNIT (continued)

Moon Phase: ●)D)O)C)C)

The moon phase will automatically display based on the calendar date. The moon phase will not be displayed correctly unless the date and year are programmed correctly.

MAIN UNIT - OTHER ADJUSTMENTS

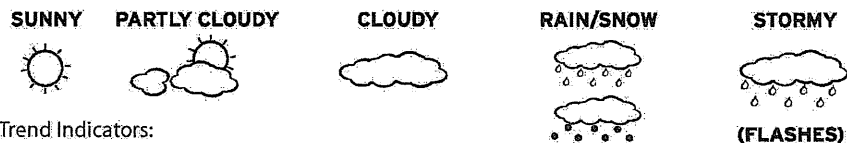
View Pressure History: To view air pressure from 0 (current) to the past 12 hours, press the "PRESSURE" button. The hour is displayed in the small box in the pressure portion of the upper display. Each time you press "PRESSURE", the value changes to that of the previous hour.

NOTE: The main unit example Upper Display illustrated in section 5 shows what the pressure is, the current hour being zero (0). This pressure history is available only after the barometer has operated and kept pressure data for 12 continuous hours.

Barometer History Graph: The bar chart just below the air pressure display, shows the pressure readings (range from +0.24 inHg to -0.24 inHg/ -8 hPa mb to +8 hPa mb) of the current and past 1, 2, 3, 6 and 12 hour periods.

WEATHER FORECASTING

The main unit predicts weather conditions of the next 12 - 24 hours based on the changes in atmospheric pressure. The coverage area is approximately 19-31 miles (30 - 50 km). The weather forecast is based on atmospheric pressure changes and is approximately 70-75% correct. As weather conditions cannot be 100% correctly forecasted, we cannot be responsible for any loss caused by an incorrect forecast.



Trend Indicators:

Arrow indicators beside the upper display outdoor temperature and humidity readings show:

Rising

Steady

Falling



The arrow icons will indicate rising, steady or falling if the temperature or humidity change is more than 1 unit (degree/percent) within an hour.

USING THE MAIN UNIT (continued)



SETTING THE ALARM:

- 1) Hold "ALARM" for 5 seconds.
- 2) The hour number(s) and "SET" flash. Press + or - to enter the desired hour. Press "ALARM" to confirm the hour setting.
- 3) The minute number(s) and "SET" flash. Press + or - to enter the desired minute. Press "ALARM" to confirm the minute setting.

To view the set alarm time, press the "ALARM" button during the normal operating mode. Alarm time will display for five seconds. Then, the current time is displayed.

To Turn the Alarm On and Off: press the "ALARM" button and then the "+" button during the normal operating mode. An alarm icon will appear when the alarm is on.

To Turn off the Alarm for 24 hours: To turn the alarm off for 24 hours, press the "ALARM" button when the alarm sounds

Snooze:

When the alarm sounds, press the "SNOOZE" button to trigger the snooze feature. The alarm is silenced for five minutes.

MEMORY:

Press the "MEMORY" button to view the **minimum** values (Inside/ Outside Temperature and Humidity) for 5 seconds. Press the "MEMORY" button again to view the **maximum** memory.

The memory will automatically refresh every 24 hours.

NOTE: The air pressure memory will not be cleared manually, but instead will be cleared automatically every 12 hours.

8 MULTIPLE WIRELESS SENSORS

The main unit supports up to three wireless sensors. Each additional wireless sensor must be designated a different channel number. Assigning different channel numbers differentiate each sensors temperature and hygrometer readings for the main units' display. This is done automatically by the main unit and companion.

TO ADD A SECOND (or THIRD) WIRELESS SENSOR:

You must wait at least one hour after each sensor signal is acquired by the main unit and the companion before adding an additional sensor. For example; if you wish to add two more sensors- you must activate one (by installing batteries) and wait an hour before activating the second one. In this way, that sensor will be properly designated number "2". Confirm that both the main unit and companion display the recently added sensor by pushing the "CHANNEL" button to cycle through currently designated wireless sensors before adding another sensor.

REFER TO SECTION 3 FOR WIRELESS SENSOR INSTALLATION INSTRUCTIONS
Additional wireless sensors are sold separately. Call 1-800-556-2548 to order.

9 BUTTON ACTION DESCRIPTIONS

COMPANION Operation buttons are located on the front and back of the main unit	BUTTON NAME	PRESS & RELEASE	PRESS & HOLD FOR 3 SECONDS
	CHANNEL	to view channels 1,2 or 3 (if applicable)	clears the current channel
	MEMORY / CLEAR	read maximum & minimum values for temperatures, humidity (both indoor & outdoor)	manually clears the memory for MIN or MAX when viewing records for each
	ALARM	view alarm time for 5 seconds	set alarm time
	TIME / CALENDAR & DST	view the date	to set clock & calander manually
	+	turn alarm on/off OR raise a setting by one unit	fast advance setting mode
	-	select °C or °F OR lower a setting by one unit	fast reverse in time setting mode & current time zone setting
	ZONE	change the time zone	change the pressure measurement display units
	ZONE / WAVE (& light)	*silence the alarm for 5 minutes *activates backlight	manually activates the time signal search mode

MAIN UNIT Operation buttons are located on the front and back of the main unit	BUTTON NAME	PRESS & RELEASE	PRESS & HOLD FOR 3 SECONDS
	CHANNEL	to view channels 1,2 or 3 (if applicable)	clears the current channel
	MEMORY / CLEAR	read maximum & minimum values for temperatures, humidity (both indoor & outdoor)	manually clears the memory for MIN or MAX when viewing records for each
	PRESSURE	view pressure history & confirm settings	adjust current pressure
	ALARM	view alarm time for 5 seconds	set alarm time
	TIME	view the year	to set clock & calander manually
	+	turn alarm on/off OR raise a setting by one unit	fast advance setting mode
	-	select °C or °F OR lower a setting by one unit	fast reverse in time setting mode & current time zone setting
	ZONE / hPa- inHg	change the time zone	change the pressure measurement display units
	SNOOZE / WAVE	silence the alarm for 5 minutes	manually activates the time signal search mode

10 PRODUCT SPECIFICATIONS

MODEL# 00605

MEASUREMENT RANGE:

Indoor main unit	:	+32° F to +122° F (0° C to + 50° C)
/companion	:	20% - 99% RH
Outdoor/Indoor humidity	:	-4° F to +158° F (-20° C to +70° C)
Wireless sensor	:	900 to 1050 mb/hPa
Barometer	:	maximum of three wireless sensors
Channel	:	up to 30M (100 ft.) open area, RF 434 MHz
Wireless Transmission	:	0.1° for temperature, 1% for humidity, 1 hPa mb for pressure
Resolution	:	WWVB radio-controlled, quartz back-up
Clock	:	AA x 3 for main unit; AAA x 2 for COMPANION,
Batteries	:	AA x 2 (lithium type recommended) for wireless sensor