

## Wireless Indoor/Outdoor Weather Station with Hygrometer Model 1731

Simple, reliable, accurate... the weather station allows you to monitor indoor or outdoor locations from one room. The base unit reads indoor conditions, while the remote sensor wirelessly reports outdoor weather conditions back to the base unit for an all-in-one weather display.

**NOTE:** Some units have a static cling label over the digital display. Please remove before use.

### **BATTERY INSTALLATION**

The base unit operates on 2 AA batteries (not included).

The remote sensor operates on 2 AAA batteries (not included).

Replace the batteries if readings grow dim or irregular. Always replace both batteries at the same time; do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc) or rechargeable (ni-cad, ni-mh, etc.) batteries.

**IMPORTANT:** Power the base unit first, and then the remote sensor, otherwise the units' transmissions may not properly connect. Place the base unit as close as possible to the remote sensor during set up.

**TIP:** When the temperature falls below freezing point, alkaline batteries used in outdoor units may freeze, lowering their voltage supply and effective range. Use of Lithium batteries is recommended in extremely cold or hot locations.

### **Base Unit**

**Battery Power:** The battery compartment is located on the back of the unit. Remove the battery compartment door. Install (2) AA size batteries into the battery compartment according to the polarity markings. Replace the battery compartment door.

### **Remote Sensor**

The battery compartment is located on the back of the unit. Remove the battery compartment cover. Install (2) AAA size batteries into the battery compartment according to the polarity markings. Replace the battery compartment door.

### **After Powering Up the Units:**

When the base unit is powered up, it will beep and the LCD screen will light up.

The base unit will begin to display indoor temperature and humidity. The outdoor temperature and humidity displays will show dashes "--".

Allow at least 3 minutes for the base unit to connect with the remote sensor and analyze current outdoor temperature conditions. A radio antenna icon moves next to the Outdoor Sensor icon in the right side of the base unit's screen during this time.

When the radio antenna icon is steady, the base unit has connected with the remote and is reporting the current outdoor temperature and humidity readings.

If after 3 minutes the radio antenna icon stops moving and dashes remain, press and hold the "--" button on the back of the base unit to send another signal. For best setup connection, keep the base unit and remote close to each other while trying to connect. Keep away from other electronic equipment that may interfere with the connections, such as mobile phones, appliances, computers, refrigerators, TVs, etc.

Indoor temperature and humidity readings update on the base unit approximately every 60 seconds. The remote sensor transmits outdoor temperature and humidity readings to the base unit approximately every 57 seconds.

**Note:** While the base unit is in “analyzing” mode, some functions (such as Clock Setting) may not be operational, or using the functions will interrupt the transmission reception. Once the “analyzing” mode is complete, the other functions will become operational.

## **DISPLAYING THE WEATHER STATION**

### **Base unit**

Place the base unit indoors in a well-ventilated location away from direct sunlight.

### **Remote sensor**

Table top - place the sensor on a flat surface.

Wall - use the keyhole on the back of the remote to hang on a wall using a nail or screw (not included).

The transmission range of the remote sensor is 200 feet (60 meters). The effective transmission range is vastly affected by obstacles such as walls, sheds, trees, etc. Try various set ups for the best results. Shorten the distance between the base and remote units when necessary.

To get the most accurate readings and to prolong the life of your sensor, we recommend that you mount it out of direct sunlight and rain. Direct sunlight will heat the casing and inflate temperatures readings. Place the sensor in a dry, shaded area. Fog and mist will not affect the sensor, but large volumes of soaking rain may. To guard against this, we recommend that you mount it under the eave of your house, your garage or any other suitable place that will keep it out of direct sun and rain.

Important: Though the remote unit is weather resistant, it should be placed away from direct sunlight, rain, snow and should never be submerged in water.

## **TEMPERATURE / HUMIDITY READINGS**

The base unit displays indoor temperature and humidity readings on the left side of the screen from its location. The remote sensor transmits outdoor temperature and humidity readings on the right side of the screen from its location back to the base unit.

Press the “-” button on the back of the base unit to switch between Fahrenheit and Celsius temperature displays.

## **CLOCK FEATURE**

The clock display is located at the top of the base unit’s LCD screen. The clock has alarm and snooze functions.

### **A) Clock Setting**

Press and hold the “SET” button on the back of the base unit for 3 seconds to enter Clock Setting Mode. The year digits flash in place of the clock digits.

1. Press the “+” or “-” button to change the year. Press “SET” to confirm. The month digits flash.
2. Press the “+” or “-” button to change the month. Press “SET” to confirm. The date digits flash.
3. Press the “+” or “-” button to change the date. Press “SET” to confirm. The Day/Month (“D M”) or Month/Day (“M D”) selection flashes.
4. Press the “+” or “-” button to toggle between Day/Month and Month/Day format. Press “SET” to confirm. A language selection flashes under the “DAY” icon to the left of the clock digits.
5. Press the “+” or “-” button to toggle between language selections\*. Press “SET” to confirm the displayed language. Time zone offset digits flash in place of the clock.
6. Press the “+” or “-” button until the correct time zone offset\*\* appears (-12 to +12). Press “SET” to confirm the displayed time zone offset. “12 Hr” or “24 Hr” flashes.
7. Press the “+” or “-” button to toggle between 12 and 24 hour clock mode. Press “SET” to confirm.
8. The hour and minute digits reappear. The hour digits flash.
9. Press the “+” or “-” button to change the hours. Press “SET” to confirm. The minute digits flash.
10. Press the “+” or “-” button to change the minutes. Press “SET” to confirm. The hour and minute digits stop flashing. The clock is set.

US Time zone options are:		MST: Mountain Standard Time	-7
AST: Atlantic Standard Time	-4	PST: Pacific Standard Time	-8
EST: Eastern Standard Time	-5	AKT: Alaska Standard Time	-9
CST: Central Standard Time	-6	HAT: Hawaii-Aleutian Standard Time	-10

\*Language options: EN = English, RU = Russian, FR = French, IT = Italian, ES = Spanish, NE = Netherlands (Dutch), DA = Danish, GE = German.

\*\*The time zone offset is the number of hours between your time zone and Greenwich Mean Time (GMT).

For other time zone offsets, please visit <http://www.timeanddate.com/time/zones/> or consult another time zone reference.

**Note:** If no buttons are pressed within 30 seconds, the unit will automatically exit Clock Setting mode. Until a time has been set, the clock will count up the time since battery installation.

## B) Alarm Setting

1. Press the "+" button on the back of the base unit. An Alarm Bell icon ("🔔") appears between the hour and minute digits, indicating the alarm function is active.
2. Press the "SET" button to enter Alarm Setting mode. The alarm digits appear in place of the clock, indicated by the "AL" icon which appears next to the alarm digits.
3. Press and hold the "SET" button for 2 seconds. The alarm hour digits flash.
4. Press the "+" or "-" button on the back of the unit to change the hours. Press "SET" to confirm. The minute digits flash.
5. Press the "+" or "-" button to change the minutes. Press "SET" to confirm. The alarm is set. The clock display returns.
6. The alarm will sound for 1 minute at a rising volume unless silenced.
  - To silence the alarm for 5 minutes, press the "SNOOZE" button on the top of the base unit. The Alarm Bell icon icon flashes. The icon will continue to flash as long as Snooze is active.
  - To stop the alarm for the day and deactivate Snooze, press any button on the base unit except SNOOZE. The Alarm Bell icon stops flashing, indicating the alarm is turned off for the day. The alarm will sound again the next day at the set time.
  - To deactivate the alarm completely, press the "+" button until the alarm bell icon ("^🔔") disappears. The alarm is deactivated and will not sound the next day.

**Note:** If no buttons are pressed within 30 seconds, the unit will automatically exit Alarm Setting mode and return to Clock mode. If the snooze button is not pressed, the alarm will silence after one minute. The alarm will not sound again until the next day if the alarm is still active.

## MAXIMUM/MINIMUM TEMPERATURE AND HUMIDITY READINGS

The weather station will store the last recorded high and low temperatures and humidity over a 24 hour period. The 24 hour period starts when the units are powered up.

- Press the "MEM" button on the back of the base unit once to display the highest (maximum) indoor and outdoor temperature and humidity readings since the unit was last reset. "MAX" will show on the LCD.
- Press the "MEM" button a second time to display the lowest (minimum) indoor and outdoor temperature and humidity readings since the unit was last reset. "MIN" will show on the LCD.
- Press the "MEM" button a third time to see current indoor and outdoor temperatures and humidity, or the display will automatically return to current readings after 10 seconds.

To clear the maximum and minimum readings: In either MAX or MIN mode, press and hold the "MEM" button for 2 seconds to clear both memories. The displays show dashes ("--") and the unit will begin to track new MAX and MIN readings. The memories will also reset when the base unit's batteries are removed.

Note: If the temperature is higher than the range of the unit, the display will show "HH.H". If the temperature is lower, the display will show "LL.L". If the humidity is higher than the range of the unit, the display will show "HH". If the humidity is lower, the display will show "LL".

## TREND INDICATORS

Arrow icons on the weather station screen will indicate if temperature and humidity readings are rising, falling, or steady. The Temperature Trend arrow icon is located to the right of the temperature digits.

The Humidity Trend arrow icon is located to the right of the humidity digits.



indicates Rising Temperatures or Humidity (temperatures have gone up more than 1.8°F (1°C) or humidity has gone up more than 3% in an hour)



indicates Steady readings (temperatures have not changed more than 1.8°F (1°C) and humidity has not changed more than 3% in an hour)



indicates Falling Temperatures or Humidity (temperatures have gone down more than 1.8°F (1°C) or humidity has gone down up more than 3% in an hour)

## LOW BATTERY

Base unit: replace the batteries if readings grow dim or irregular.

Remote sensor: replace the batteries if the red light on the sensor stops flashing approximately every 57 seconds, or if transmission signals seem weak or irregular.

Always replace all batteries in each unit at the same time; do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc) or rechargeable (ni-cad, ni-mh, etc.) batteries.

NOTE: Please recycle or dispose of batteries per local regulations.

WARNING: Batteries may pose a choking hazard. As with all small items, do not let children handle batteries. If swallowed, seek medical attention immediately.

PRECAUTION: Do not dispose of batteries in fire. Batteries may explode or leak. Remove the batteries if the units will not be used for a long period of time.

## PROBLEM SOLVING

1. If the base unit does not receive a transmission from the remote sensor for one hour, the outdoor temperature and humidity displays will show dashes (“- -”). Press and hold the “-” button on the back of the base unit to force a transmission signal. If the connection still fails:
  - a. Check that the remote is properly positioned, within the appropriate transmission range (200 feet/60 meters). Transmissions are vastly affected by building materials and where the receiver and remote units are positioned. Try various set ups for the best results. Shorten the distance between receiver and remote units when necessary.
  - b. Check to make sure the transmission path is clear of obstacles and interference.
  - c. Place the remote sensor closer to the base unit.
  - d. Remove and reinstall all batteries. Try fresh batteries.
2. If the temperature higher than the range of the unit, the display will show “HH.H”. If the temperature is lower, the display will show “LL.L”.

If the humidity is higher than the range of the unit, the display will show “HH”. If the humidity is lower, the display will show “LL”.

  - Indoor temperature range is 32°F to 122°F (0°C to 50°C).
  - Outdoor temperature range transmitted by remote sensor is -4°F to 140°F (-20°C to 60°C) using alkaline batteries. Use of Lithium batteries can extend the range to -40°F to 140°F / -40°C to 60°C.
  - Indoor and outdoor humidity range is 20-95% RH.
3. The temperature sensors are manufactured to be accurate within plus or minus 2°F (1°C) within a temperature range from 32 to 104°F (0 to 40°C) and plus or minus 4°F (2°C) outside that range. Therefore, 2 units placed next to each other may report different readings. This is a normal occurrence with digital sensors and should not be considered a defect.
4. For maximum performance in normal conditions, good quality alkaline batteries are recommended. When temperatures are below 0°F, alkaline batteries can lose power resulting in a loss of remote transmission. If you reside in an area that experiences frequent temperatures near or below 0°F, lithium batteries are recommended to minimize the loss of transmission.

## **TRANSMISSION COLLISION**

Signals from other household devices, such as doorbells, home security systems and entry controls, may interfere. This is normal and does not affect the general performance of this product. The transmission will resume once the interference recedes.

**Important:** Though the remote sensor is weather resistant, it should be placed away from direct sunlight, rain, snow and should never be submerged in water.

## **PRECAUTIONS**

1. The base unit is intended for indoor use only. It is not sealed against moisture and could be damaged if used outdoors. The remote sensor is weather-resistant but not weather-proof or waterproof. Do not immerse it in water or allow snow to accumulate on it. Do not leave it outdoors in extreme weather conditions. If these conditions become likely to occur, temporarily move the sensor to an indoor area. Otherwise, permanent damage to the sensor's internal circuits may occur.
2. Do not immerse the units in water. If you spill liquid on one, dry immediately with a soft, lint-free cloth.
3. Do not clean the units with abrasive or corrosive materials. This may scratch plastic parts and corrode electronic circuits.
4. Do not subject units to excessive force, shock, dust, temperature or humidity. This may result in malfunction, shorter electronic life span, damaged batteries or distorted parts.
5. Do not tamper with the unit's internal components. Doing so will invalidate the warranty on this product and may cause damage. Other than replacing the batteries, the units contain no user-serviceable parts.
6. Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc) or rechargeable (ni-cad, ni-mh, etc.) batteries. Do not dispose of batteries in fire. Batteries may explode or leak. Remove the batteries/adaptor if the units will not be used for a long period of time.
7. This product is for measuring weather temperatures only. **DO NOT PLACE UNITS INTO OVENS, GRILLS, FREEZERS or MICROWAVE OVENS.**
8. Always read the instruction manual before operating this product.

## **SPECIFICATIONS**

Indoor temperature range: 32°F to 122°F (0°C to 50°C)

Outdoor temperature range transmitted by remote sensor:

Alkaline batteries: -4°F to 140°F (-20°C to 60°C)

Lithium batteries: -40°F to 140°F (-40°C to 60°C)

Indoor and outdoor humidity range: 20-95% RH

Over/Under range messages: "HH.H/LL.L" for over/under temperature range, "HH/LL" for over/under humidity range

Resolution: 0.1 degree for temperature and 1% for humidity

Indoor temperature readings update approximately every 60 seconds

Remote sensor transmits temperature readings every 57 seconds.

Minimum/Maximum temperature and humidity records

Temperature/Humidity trends - rising, falling or steady

Clock with alarm and snooze

Transmission: Maximum 200 feet (60 meters) in open area

Power: 2 AA batteries for base unit (not included) and 2 AAA batteries for remote sensor (not included)

## **IC Caution:**

This device complies with Industry Canada license-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, including interference that may cause undesired operation of the device.

## **RF exposure warning**

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

### **One Year Limited Warranty**

This product is warranted against defects in materials or workmanship (excluding batteries and adapters) for one (1) year from date of original purchase for the original purchaser. It does not cover damages or wear resulting from accident, misuse, abuse, commercial use, or unauthorized adjustment and/or repair. Should this product require service (or replacement at our option) while under warranty, do not return to retailer. Please return the item to:

**Lifetime Brands Canada  
5151 Thimens Boul.,  
Montreal, Quebec,  
H4R 2C8**

Questions about your weather station?

**1-800-661-6721**

**Service@accenthome.com**

Manufactured For:

LIFETIME BRANDS CANADA

5151 Thimens Boul., Montreal, Quebec H4R 2C8

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Made to our exact specifications in China. Not legal for trade.

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