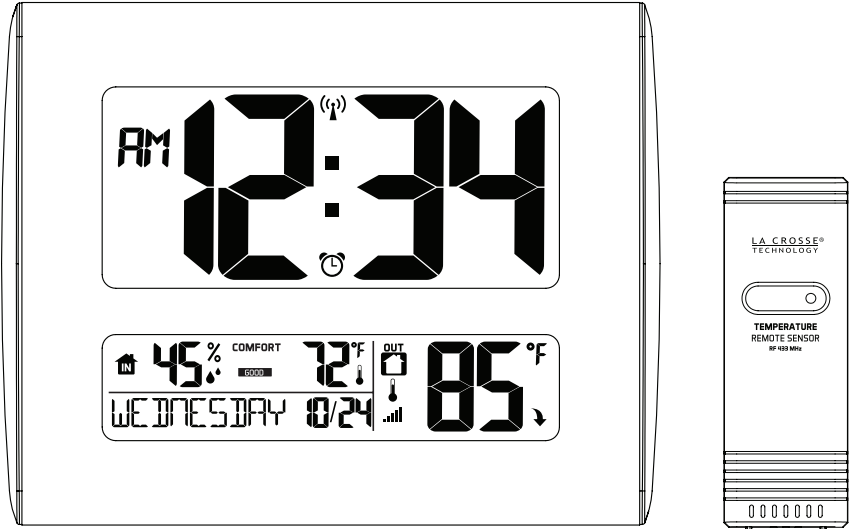


## Atomic Digital Clock

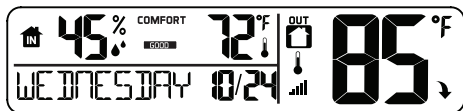


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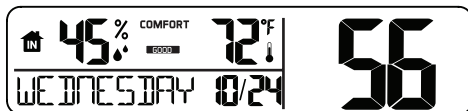
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## Display Outdoor Temperature or Seconds

This versatile clock allows you to display outdoor temperature or seconds counting in the outdoor temperature area. Press the + button to toggle between outdoor temperature, or seconds. Clock will stay on selected option.

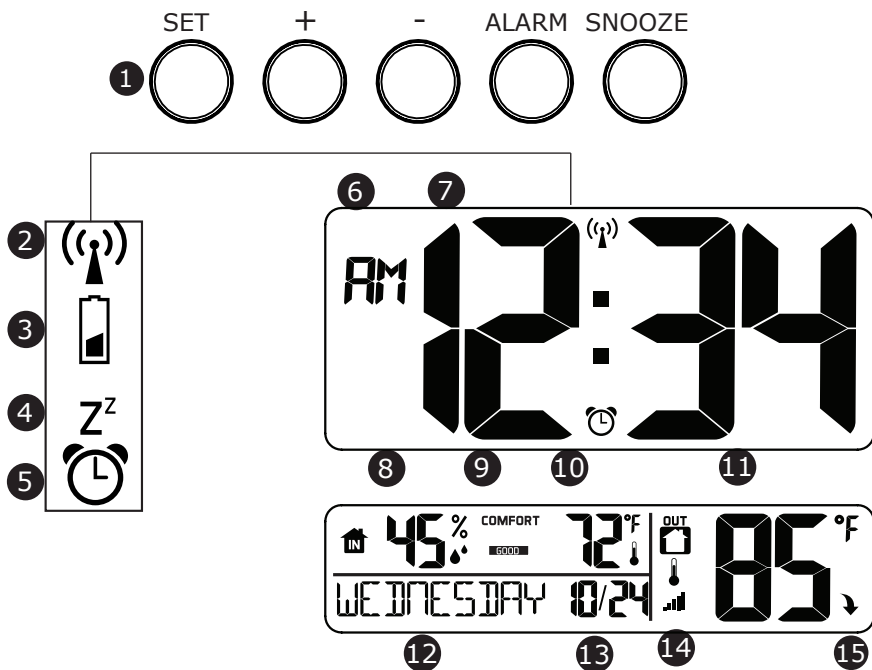


Outdoor Temperature



Seconds Counting

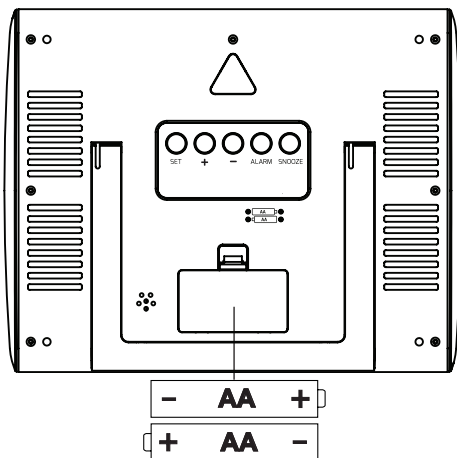
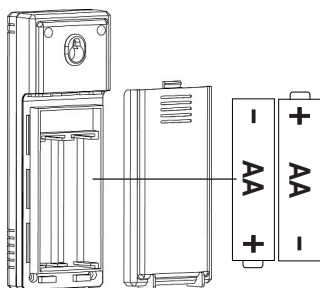
## LCD Features



- |                                 |                             |
|---------------------------------|-----------------------------|
| ① Buttons (on back)             | ⑨ Indoor Comfort Statement  |
| ② Atomic Signal Reception Tower | ⑩ Indoor Temperature        |
| ③ Low Battery Icon (Clock)      | ⑪ Outdoor Temp or Seconds   |
| ④ Snooze Icon                   | ⑫ Weekday                   |
| ⑤ Alarm Icon                    | ⑬ Month/Date                |
| ⑥ AM/PM Indicator               | ⑭ Sensor Reception Strength |
| ⑦ Atomic Time                   | ⑮ Outdoor Temperature Trend |
| ⑧ Indoor Humidity               |                             |

## Setup

1. Insert 2-AA batteries into the TX191 sensor according to polarity.
2. Insert 2-AA batteries into the clock.
3. After 5 minutes place sensor in a shaded outdoor location.
4. Set time and date.



## Atomic Time Signal

- Once batteries are installed, the clock will automatically search for the atomic time signal at UTC 7:00, 8:00, 9:00, 10:00, and 11:00.
- If there is no WWVB reception, the clock will search for the atomic time signal every 2 hours until the WWVB time is received.
- After reception, this clock will only search for the atomic signal after midnight.
- From normal time display, press and release the **SET** button to search for the WWVB time signal.
- Please be sure you have selected your time zone from the list in the Settings menu. When the Atomic time signal is received, the clock will set to the time zone selected. Default is Eastern time.
- **For information about WWVB visit:**  
[www.nist.gov/pml/div688/grp40/wwvb.cfm](http://www.nist.gov/pml/div688/grp40/wwvb.cfm)

## Settings: Time, Date, etc.

Note: Only press one button at a time when setting.

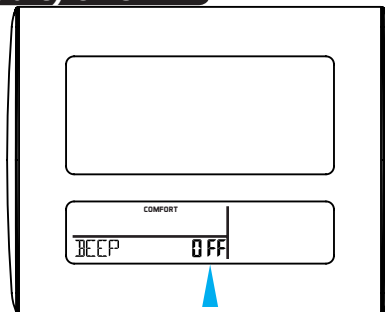
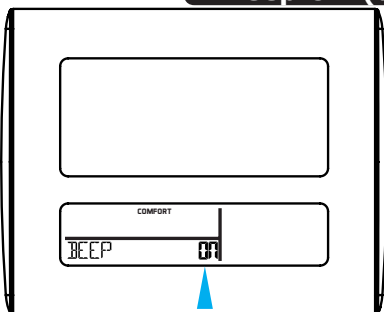
- Hold then release the **SET** button to enter time set mode.
- Press and release the **+** or **-** buttons to adjust the values. Hold to adjust quickly.
- Press and release the **SET** button to confirm and move to the next item.
- Press and release the **SNOOZE** button at any time to exit.

### Time set order:

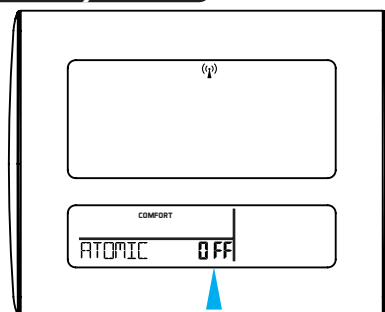
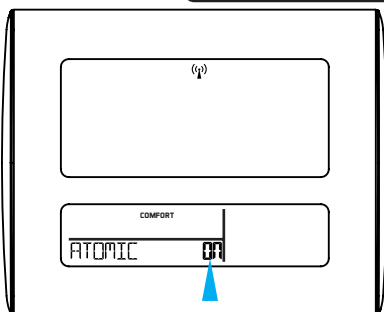
1. Beep ON/OFF
2. Atomic ON/OFF
3. DST ON/OFF (Daylight Saving Indicator)
4. Time Zone
5. 12/24 hour time format
6. Hour
7. Minutes
8. Year
9. Month
10. Date
11. Fahrenheit/Celsius

**To begin:** Hold the **SET** button 3 seconds, then release, to enter the settings menu:

### 1. Beep ON (default) or OFF

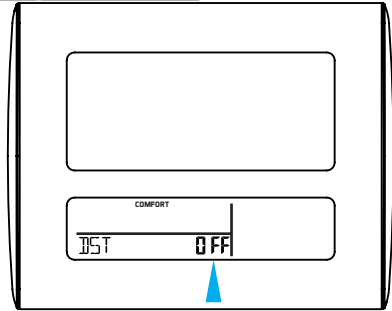
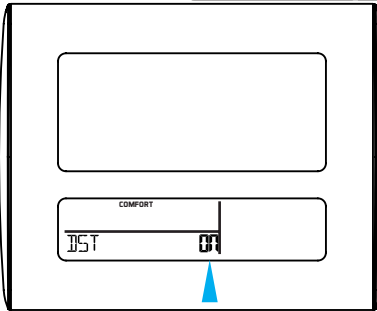


### 2. Atomic ON (default) or OFF

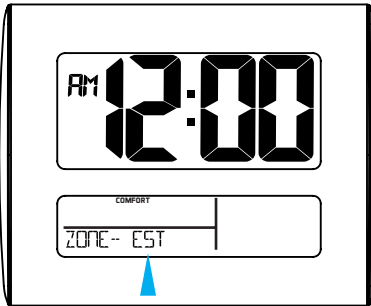


Note: If Atomic OFF is selected, you will skip DST and Time Zone and move directly to the hour.

### 3. DST ON (default) or OFF



### 4. Time Zone-EST (default)

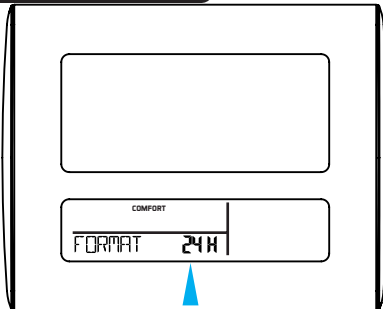
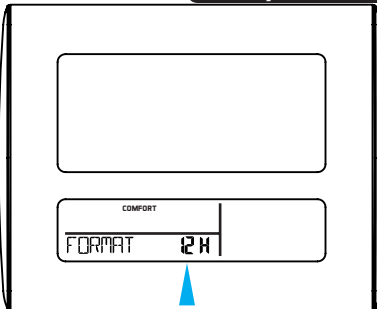


#### Time Zone

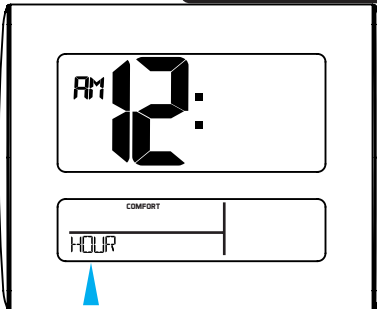
- AST Atlantic
- EST Eastern
- CST Central
- MST Mountain
- PST Pacific
- AKT Alaskan
- HAT Hawaiian

Note: Time Zone needs to be set to your area for the hours to be correct.

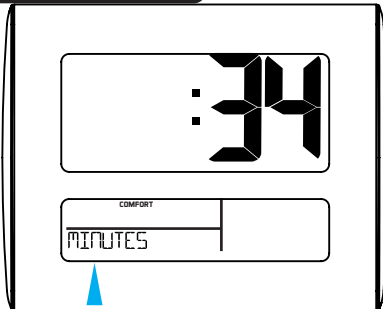
### 5. 12/24 Hour Time Format



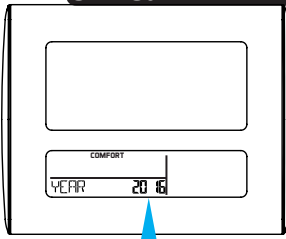
### 6. Hour



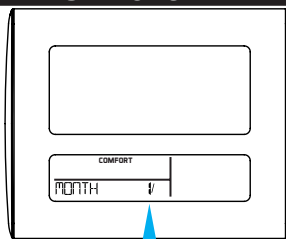
### 7. Minutes



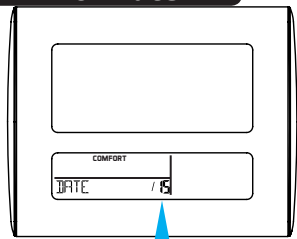
### 8. Year



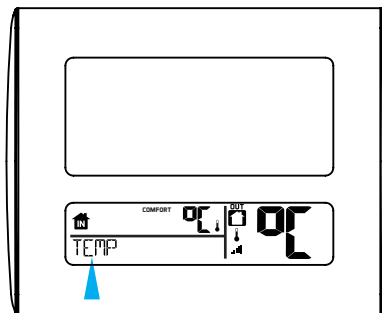
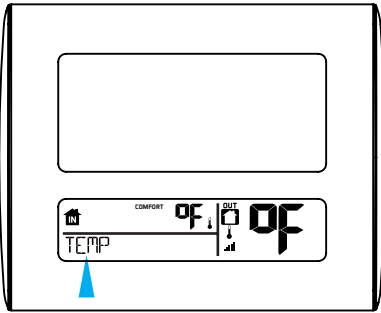
### 9. Month



### 10. Date



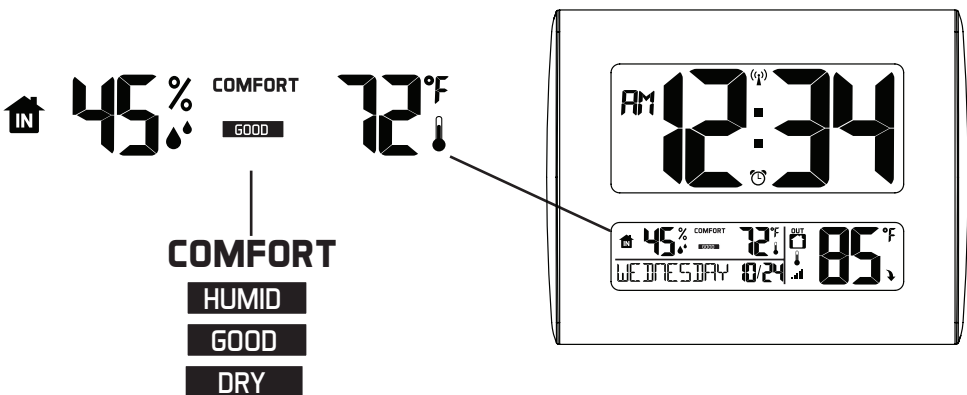
### 11. Fahrenheit or Celsius



- Press and release the **SET** button to confirm and exit the settings menu.
- Press and release the **SNOOZE** button at any time to exit.

### Indoor Comfort Indicator

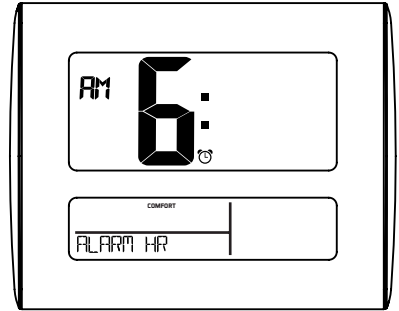
- The indoor comfort indicator tells you at a glance if the humidity level in your home is humid, comfortable or dry.
- With this indicator you can decide to add or remove humidity for optimal comfort.



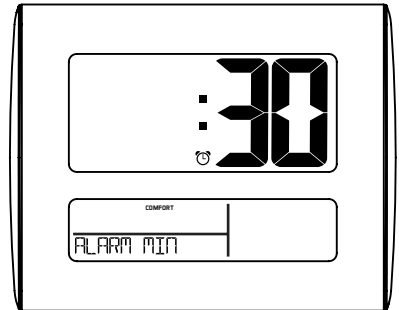
## Set Time Alarm

**Note:** The alarm will be active when set.

Hold **ALARM** 3 seconds: Alarm Hour  
Use the +/- button to adjust.



Press **ALARM**: Alarm Minutes  
Use the +/- button to adjust.



- Press and release the **ALARM** button to confirm and exit the alarm menu.
- Press and release the **SNOOZE** button at any time to exit.
- Alarm is crescendo sound alarm. When the alarm sounds, it continues for 2 minutes and then shuts off completely.

## Snooze

- When the alarm sounds, press the **SNOOZE** button to silence the alarm for 10 minutes.
- The snooze icon **Zz** will flash.
- Press any button except SNOOZE to silence the alarm for 24 hours.

## Deactivate/Activate Alarm

- The alarm is active when set.
- From normal time display, press and release the **ALARM** button to deactivate or activate the alarm.
- The alarm icon (clock) will show when active.

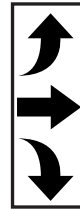


## Indoor/Outdoor Temperature and Humidity

- Indoor and outdoor temperature and humidity are displayed in the lower section of the clock.
- Select Fahrenheit or Celsius in the Settings menu.
- Temperature trend arrows track temperature over the past 3 hours.
- The outdoor sensor reception signal indicates the connection strength between sensor and clock.



Temperature/Humidity






Temperature  
Trend  
Arrows

## Temperature Trend Arrows

The outdoor temperature (2°F / 1°C) trend indicators update every 30 minutes or less. This provides a 3 hour comparison which changes on every ½ hour:

Example: At 3:00 - compare to 12:00 data;  
at 3:30 -compare to 12:30 ..... etc.

 Temperature rose over the past 3 hours	 Temperature is unchanged over the past 3 hours	 Temperature fell over the past 3 hours
---	---	---

## Sensor Reception

- Hold the - button 3 seconds to search for the sensor.
- The strength signal icon will flash until the sensor signal is received or for 3 minutes if no signal available.
- The signal will show solid when connected to the sensor.



## **Low Battery Icon**

- Battery icon by Time-Change batteries in the clock.

## **Mount Temperature Sensor**

- Mount the outdoor sensor on a north-facing wall or in any well-shaded area. Under an eave or deck rail is preferred.
- The maximum wireless transmission range to the forecast station is over 300 feet (91 meters) in open air; this does not include barriers such as walls or floors.
- Be sure the outdoor sensor is mounted vertically.

## **Position Clock**

The clock has pullout stand sit on a desk or table, or a hanging hook to mount on the wall.

- For best Atomic time reception orientate the clock with the front or the back facing Ft. Collins, Colorado.
- Choose a location 6 feet or more from electronics such as cordless phones, gaming systems, televisions, microwaves, routers etc.
- Place within range of the outdoor sensor (300 feet open air).

## **Restart**

When the outdoor readings show dashes:

- Bring the sensor in the house five feet from the station.
- Remove batteries from the sensor, and the batteries from the clock.
- Press any button 20 times.
- After 15 minutes insert batteries into the sensor, and into the clock.
- Wait 15 minutes to establish a strong connection. Place sensor outside in shaded location.

## **Care and Maintenance**

- Do not mix old and new batteries
- Do not mix Alkaline, Standard, Lithium or Rechargeable Batteries
- Always purchase the correct size and grade of battery most suitable for intended use.
- Replace all batteries of a set at the same time.
- Clean the battery contacts and also those of the device prior to battery installation.
- Ensure the batteries are installed with correct polarity (+ and - ).
- Remove batteries from equipment when it is not to be used for an extended period of time.
- Promptly remove expired batteries.

## **Specifications**

**Indoor Temp Range:** 32°F to 122°F (0°C to 50°C)

**Indoor Humidity Range:** 10% to 99% RH

**Outdoor Temp Range:** -40°F to 140°F (-40°C to 60°C)

**Distance:** Over 300 ft. (91 meters) RF 433MHz (open air)

**Power Clock:** 2-AA, IEC, LR6 batteries (not included)

**Power TX191:** 2-AA, IEC, LR6 batteries (not included)

**Battery life Clock:** over 18 months with reputable batteries

**Battery life TX191:** over 12 months with reputable batteries

**Dimensions Clock:** 9.51" W x 7.51" T x 1.0" D

(24.16cm W x 19.08cm T x 2.54cm D)

**Dimensions TX191:** 1.57" W x 4.49" T x 0.94" D

(3.98cm W x 11.40cm T x 2.39cm D)

## **Warranty and Support**

La Crosse Technology, Ltd. provides a 1-year limited time warranty (from date of purchase) on this product relating to manufacturing defects in materials & workmanship.

**Before returning a product, please contact our friendly customer support with questions or visit our online help:**

**Phone:** 1-608-782-1610

### **Online Product Support:**

[www.lacrossetechnology.com/support](http://www.lacrossetechnology.com/support)

### **Product Registration:**

[www.lacrossetechnology.com/support/register](http://www.lacrossetechnology.com/support/register)

### **View full warranty details online at:**

[www.lacrossetechnology.com/warranty\\_info.pdf](http://www.lacrossetechnology.com/warranty_info.pdf)

### **Warranty Address:**

La Crosse Technology, Ltd  
2830 S. 26th St.  
La Crosse, WI 54601

### **Protected under U.S. Patents:**

5,978,738 | 6,076,044 | RE43903



## **FCC Statement**

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.

This device must not be co-located or operating in conjunction with any other antenna or transmitter.

### **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.

### **Caution!**

The manufacturer is not responsible for any radio or TV interference caused by unauthorized changes or modifications to this equipment. Such changes or modifications could void the user authority to operate the equipment.

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All trademarks and patents are recognized.

## **Canada Statement**

This device complies with CNR Industry Canada license -exempt devices.

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.