

# LA CROSSE<sup>®</sup>

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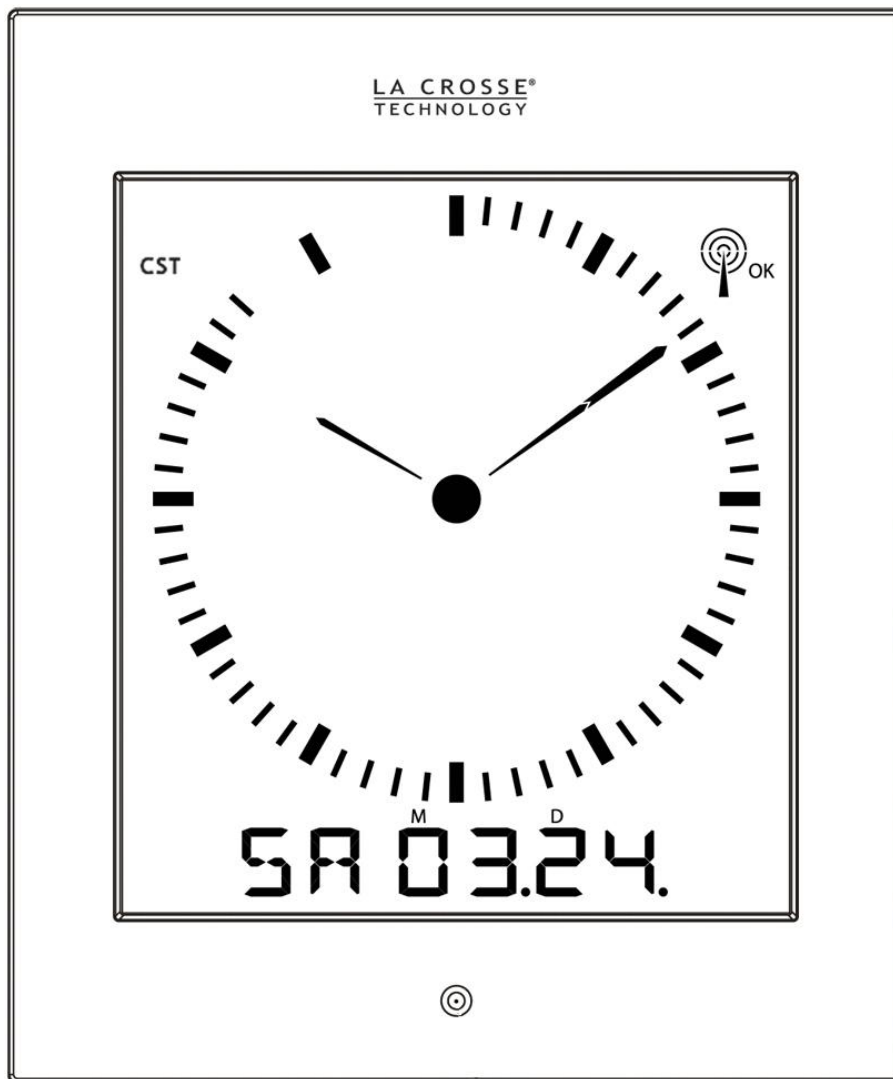
# TECHNOLOGY

## Analog-Style Digital Atomic Clock with motion sensor that changes display options Model: 513-1311B, 513-1311W | Instruction Manual

### Introduction

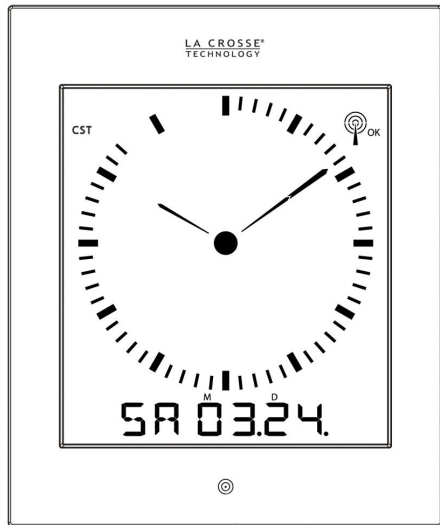
The Analog-Style Digital Atomic Clock features atomic (radio-controlled) time and date, indoor temperature/humidity and week of the year. Tap or wave your hand past the motion sensor under LCD to change the display options.

### Analog-Style Digital Atomic Clock



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### 513-1311B or 513-1311W

8.63" x 1.28" x 10.34" (219.2 x 32.5 x 262.6mm)


4-AA Batteries (not included)

## Features

- Monitors indoor temperature (°F or °C)
- Monitors indoor humidity %RH
- Atomic time and date with manual setting
- Automatically updates for Daylight Saving Time (on/off option)
- Time display (hour/minute)
- 12/24-hour time display selectable
- Calendar with day of the week display
- Wall hanging

## Setup

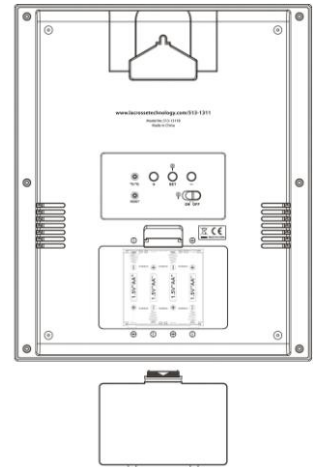
**Note:** Setup is most effective at night when the WWVB radio-controlled time/date signal is strongest.

1. Slide the /ON/OFF switch to **ON**.
2. Remove battery cover from the back of the Analog-Style Digital Atomic Clock. Slide tab down and pull out to remove the cover.
3. Insert four NEW AA batteries (not included) into the Analog-Style Digital Atomic Clock. Observe the correct polarity (see marking inside the battery compartment).
4. Do not touch buttons for 15 minutes while the clock searches for the WWVB time signal.

**Note:** If the Analog-Style Digital Atomic Clock does not show indoor temperature after 60 seconds, remove batteries and wait for at least 60 seconds before repeating the setup process.

### Important:

- Do NOT mix old and new batteries.
- Do Not Mix Alkaline, Standard, Lithium or Rechargeable Batteries



## WWVB Radio Controlled Time

The NIST radio station, WWVB, is located in Ft. Collins, Colorado and transmits the exact time signal continuously throughout the United States at 60 kHz. The signal can be received up to 2,000 miles away through the internal antenna in the Digital Atomic Wall Clock. However, due to the nature of the Earth's Ionosphere, reception is very limited during daylight hours. The Analog-Style Digital Atomic Clock will search for a signal every night when reception is best. The WWVB radio station derives its signal from the NIST Atomic Clock in Boulder, Colorado.

### WWVB Reception Icon


The WWVB reception icon with full signal strength will appear on screen along with the word OK if the reception of WWVB time signal is successful.

- No tower icon displayed. The Analog-Style Digital Atomic Clock was unable to receive a signal at this time.
- Reposition the Analog-Style Digital Atomic Clock for better signal reception or try again at bedtime.
- The Analog-Style Digital Atomic Clock will search each hour for a WWVB time signal.



### Manual Signal Search

Press the /SET button once to force a signal search at night when reception is best.

**Note:** In case the Analog-Style Digital Atomic Clock is not able to detect the WWVB time signal after 5 nights, (disturbances, transmitting distance, etc.), slide the /ON/OFF switch to OFF and follow the **program menu** to set the time manually.

### /ON/OFF switch

WWVB reception can be selected with the /ON/OFF switch.

- Choose ON to enable WWVB reception.
- Choose OFF to disable WWVB reception.



## Position the Atomic Digital Clock

1. Place the Analog-Style Digital Atomic Clock near an exterior wall with the front or back facing toward Ft. Collins, Colorado for best WWVB reception.
2. The clock should be six feet from other electronics or wireless devices.
3. Install one mounting screw (not included) into a wall—leaving approximately 3/16 of an inch (5mm) extended from the wall.
4. Place the Analog-Style Digital Atomic Clock onto the screws, using the hanging hole on the back.
5. Gently pull the Analog-Style Digital Atomic Clock down to lock the screws into place.

**Note:** Always ensure that the Analog-Style Digital Atomic Clock locks onto the screws before releasing.

## Seconds Display

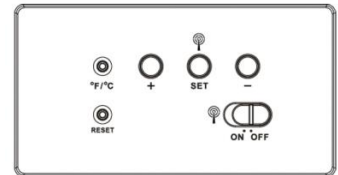
1. The seconds will populate around the outer edge between the five minute marks.
2. This is normal behavior for the clock.
3. There is not a way to stop the seconds from counting around the outer edge of the analog display.



## Program Menu



The /SET button will move through the program menu. The + or - button will change a value as needed.

- Time Zone and Daylight Saving Indicator
- Language
- Year
- Month/Date
- Hour/Minutes
- 12/24 Hour Time, Fahrenheit/Celsius




## Time Zone/ Daylight Saving Indicator

The Time Zone and Daylight Saving Time Indicator are set in the same portion of the program menu.


1. Hold the /SET button for 2 seconds to enter the program menu.
2. Press and release the + button to select a different **time zone**:
  - **NST**= Newfoundland
  - **AST**= Atlantic
  - **EST**= Eastern
  - **CST**= Central
  - **MST**= Mountain
  - **PST**= Pacific
  - **AKST**= Alaska
  - **HAT**= Hawaiian
3. Press the - button to select the daylight saving time indicator.
4. The letters **DST** will appear in the upper right corner. When the letters DST are not shown the clock will not change into or out of Daylight Saving Time.
5. Confirm time zone and DST setting with the /SET button and move to **language**.



## Language

1. EN (English) will flash.
2. Use the + or - button to select the language for the day of the week:
  - **EN** (English)
  - **DE** (German)
  - **FR** (French)
  - **IT** (Italian)
  - **ES** (Spanish)
  - **NE** (Dutch)
  - **RU** (Russian)
3. Confirm with the /SET button and move to the **year**.

## Year


1. The year will flash.
2. Press and release the + or - button to select the correct year.
3. Confirm with the /SET button and move to **month/date**.



## Month/Date

The Month and Date are set at the same time. Use the PLUS or MINUS button to scroll dates and months until you reach the correct month and date.


**Note:** The Day of the Week will set automatically after the year, month and date are set.

1. The month and date will flash together.
2. Press and release the + or - button to select the correct month and date.
3. Hold the button to change the digits quickly.
4. Confirm with the /SET button and move to set **hour and minutes**.



### Hour/Minutes


The Hour and Minutes are set at the same time. Use the PLUS or MINUS button to scroll minutes and hours until you reach the correct time.

1. The hours and minutes will flash together.
2. Press and release the + or - button to select the correct time.
3. Hold the button to change the digits quickly.
4. Confirm with the /SET button and move to select **12/24-hour** time and **Fahrenheit/Celsius**.



### 12/24 Hour/Fahrenheit/Celsius

Selection of 12/24 Hour time and Fahrenheit/Celsius are set in the same portion of the program menu.

1. 12H will flash.
2. Press and release the + button to select 24-hour time.
3. Press and release the - button to select Fahrenheit or Celsius
4. Confirm with the /SET button and exit the program menu.

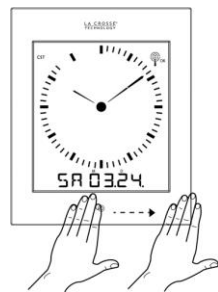
**Note:** The Analog-Style Digital Atomic Clock will return to active display after 30 seconds with no buttons pressed.

### Display Modes

The clock will digitally display different options in the lower portion of the LCD. In a bright environment, a simple tap or slow wave over the motion sensor (MODE button) on the front of the clock below the LCD will change the display.

1. One change of display mode: **Tap** and release (1 second), or **slowly Wave** of your hand over the motion sensor (must be within .75in / 2 cm of sensor) to change the display one time.
2. Repeat the tap or slow wave to change again. The display will stay on the last change.

**Note:** Tap or Wave very slowly, within .75in (2 cm) from motion sensor to change the display.



TAP



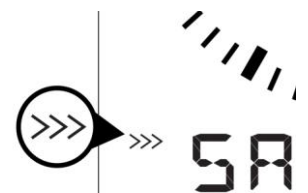
WAVE

**Important:** The MODE button (on front) is NOT designed for use in a dark environment. The motion sensor uses a photo-sensing technology designed for use in a BRIGHT environment. In a dim environment, the MODE button may not be able to sense your motion and may not be operated normally.

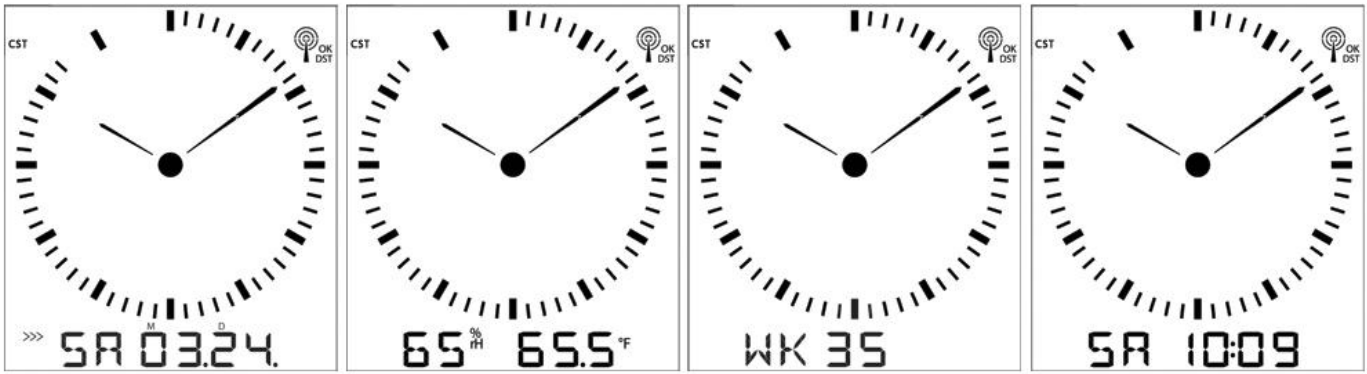
### Auto-Scrolling Display

The clock will default to **auto-scrolling** through the display options. When in auto-scroll this symbol >>> will appear in front of the display.

1. Turn off the auto-scroll by **tap and hold** (3 seconds) or slowly wave over the motion sensor for 3 seconds.
2. The >>> symbol will disappear and the clock will stay on the current display.



## Modes



Weekday/Month/Date

Indoor Humidity/Temperature

Work Week of the Year

Weekday/Hour/Minutes

## Fahrenheit/Celsius

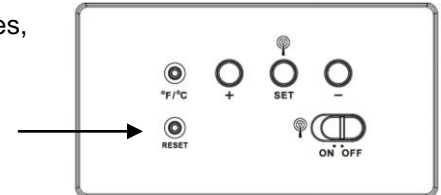
Outside of the program menu, you can view the indoor temperature in Fahrenheit or Celsius with a simple button press.

1. From normal display mode, press and release the °F/°C button to select temperature readings in Fahrenheit or Celsius.



## Reset Button

1. If the Analog-Style Digital Atomic Clock is not working properly with good batteries, press the RESET button one time to reset the clock.



## Care and Maintenance

- **Do Not Mix Old and New Batteries**
- **Do Not Mix Alkaline, Standard, Lithium or Rechargeable Batteries**
- Do not expose the Analog-Style Digital Atomic Clock to extreme temperatures, vibration or shock.
- Keep Analog-Style Digital Atomic Clock dry.
- Clean the Analog-Style Digital Atomic Clock with a soft damp cloth. Do not use solvents or scouring agents.
- The Analog-Style Digital Atomic Clock is not to be used for medical purpose or for public information, but is for home use only.
- The specifications of this Analog-Style Digital Atomic Clock may change without prior notice.
- Improper use or unauthorized opening of housing will void the warranty.

## Specifications

Indoor Temperature Range: +14.2°F to +122°F (-9.9°C to 50°C)  
Humidity Range: 5%-99%

### Battery Life:

Analog-Style Digital Atomic Clock: Battery life over 12 months

### Dimensions:

Analog-Style Digital Atomic Clock: 8.63" x 1.28" x 10.34" (219.2 x 32.5 x 262.6mm)

## Warranty Information

La Crosse Technology, Ltd provides a 1-year limited warranty on this product against manufacturing defects in materials and workmanship.

This limited warranty begins on the original date of purchase, is valid only on products purchased and used in North America and only to the original purchaser of this product. To receive warranty service, the purchaser must contact La Crosse Technology, Ltd for problem determination and service procedures. Warranty service can only be performed by a La Crosse Technology, Ltd authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to La Crosse Technology, Ltd or La Crosse Technology, Ltd's authorized service center.

La Crosse Technology, Ltd will repair or replace this product, at our option and at no charge as stipulated herein, with new or reconditioned parts or products if found to be defective during the limited warranty period specified above. All replaced parts and products become the property of La Crosse Technology, Ltd and must be returned to La Crosse Technology, Ltd. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer. La Crosse Technology, Ltd will pay all expenses for labor and materials for all repairs covered by this warranty. If necessary repairs are not covered by this warranty, or if a product is examined which is not in need or repair, you will be charged for the repairs or examination. The owner must pay any shipping charges incurred in getting the La Crosse Technology, Ltd product to a La Crosse Technology, Ltd authorized service center.

The La Crosse Technology, Ltd warranty covers all defects in material and workmanship with the following specified exceptions: (1) damage caused by accident, unreasonable use or neglect (including the lack of reasonable and necessary maintenance); (2) damage occurring during shipment (claims must be presented to the carrier); (3) damage to, or deterioration of, any accessory or decorative surface; (4) damage resulting from failure to follow instructions contained in the owner's manual; (5) damage resulting from the performance of repairs or alterations by someone other than an authorized La Crosse Technology, Ltd authorized service center; (6) units used for other than home use (7) applications and uses that this product was not intended or (8) the products inability to receive a signal due to any source of interference.. This warranty covers only actual defects within the product itself, and does not cover the cost of installation or removal from a fixed installation, normal set-up or adjustments, claims based on misrepresentation by the seller or performance variations resulting from installation-related circumstances.

LA CROSSE TECHNOLOGY, LTD WILL NOT ASSUME LIABILITY FOR INCIDENTAL, CONSEQUENTIAL, PUNITIVE, OR OTHER SIMILAR DAMAGES ASSOCIATED WITH THE OPERATION OR MALFUNCTION OF THIS PRODUCT. THIS PRODUCT IS NOT TO BE USED FOR MEDICAL PURPOSES OR FOR PUBLIC INFORMATION. THIS PRODUCT IS NOT A TOY. KEEP OUT OF CHILDREN'S REACH.

This warranty gives you specific legal rights. You may also have other rights specific to the State. Some States do not allow the exclusion of consequential or incidental damages therefore the above exclusion of limitation may not apply to you.

**For warranty work, technical support, or information contact:**

**La Crosse Technology, Ltd**  
2817 Losey Blvd. S.  
La Crosse, WI 54601



Online at:  
[www.lacrossetechnology.com/513-1311](http://www.lacrossetechnology.com/513-1311)



**Contact Support: 1-608-782-1610**  
Product Registration:  
[www.lacrossetechnology.com/support/register](http://www.lacrossetechnology.com/support/register)