

LA CROSSE<sup>®</sup>  
TECHNOLOGY

# EXECUTIVE ATOMIC CLOCK 2.0



SET UP GUIDE

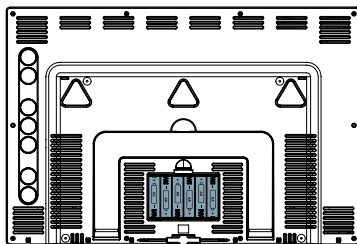
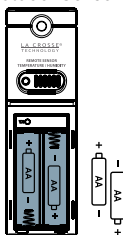
MODEL: 513-63867v2 / 513-1429THv2

## Power Up

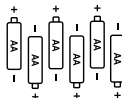
1. Insert 2-AA batteries into your Outdoor Sensor.
2. Insert 6-AA batteries into your Atomic Clock.
3. Once the sensor is reading your Clock, place the sensor outside.

Watch our sensor mounting video: [bit.ly/th\\_sensor\\_mounting](https://bit.ly/th_sensor_mounting)

TX141TH-Bv4  
Outdoor Sensor



513-1429THv2  
Atomic Clock



## Buttons



Press to search for Atomic Time Signal.  
Hold to enter Settings Menu.

+ (PLUS)

Settings: Press and release to adjust settings. Hold to adjust quickly.  
Hold to search for Outdoor Sensor.


- (MINUS)

Settings: Press and release to adjust settings. Hold to adjust quickly.



Press and release to switch between Desired Time or Local Time.  
Hold to adjust your Desired Time hour.



Press and release to adjust the information displayed: Time, Desired Hour (if set) Outdoor Temperature... etc. The Auto-Scroll  Icon will show when active.





Press and release to select Calendar Display.



Press and release to select Fahrenheit or Celsius Temperature Display.

## Settings Menu

1. Hold the  button until the display changes to enter the Settings Menu.
2. Press and release the **+** or **-** button to adjust values.
3. Press and release the  button to confirm and move to next item.
4. Press and release the **°F/°C** button at any time to exit.

### Settings order:

- Language (English, Spanish, French, German)
- Beep ON/OFF
- Atomic ON/OFF
- DST AUTOMATIC / DST ALWAYS OFF / DST ALWAYS ON  
(Change Spring/Fall) (No change in Spring) (No change in Fall)
- Time Zone
- 12/24 Format
- Hour
- Minutes
- Year
- Month
- Date
- Month/Date or Date/Month

### TIME ZONE

ATLANTIC  
EASTERN  
CENTRAL  
MOUNTAIN  
PACIFIC  
ALASKA  
HAWAII

**Language:** Whichever language is selected, the following instructions and weekday will be presented in that language.

**Atomic Off:** When Atomic Off is selected, you will move directly to the 12/24 Hour setting.

**Weekday:** Weekday will set automatically when the Year, Month and Date are set.

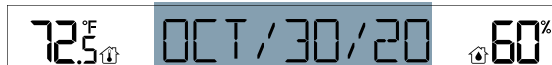
**Fahrenheit or Celsius:** Press and release the **°F/°C** button to select your temperature display.

## Custom Date Display

Press and release the  button to change how the Calendar is displayed.



Full Weekday




Month/Date/Year




Weekday/Month/Date

## Custom Time/Temperature Display

Press the  button to adjust the data displayed on screen.

- Current Time/Indoor Temp • Current Time/Outdoor Temp
- Desired Time/Indoor Temp • Outdoor Temp/Desired Time
- Outdoor Temp/Desired Time • Auto-Scroll

When the Auto-scroll  Icon is showing, the clock will switch between these options every 5 seconds.

- Current Time • Desired Hour • Outdoor Temperature





## Desired Hour (Time Adjust)



Have your clock match other times around the world by setting a Desired Hour, kept accurate by the Atomic time signal.

**Note:** Only the Hour can be changed.

### Set Desired Hour:

1. Hold the  button until the Hour flashes, “Desired Hour” will show.
2. Press and release the **+** (PLUS) button to adjust the hour. Press and release the **-** (MINUS) button to reset the hour to “Local Time”.
3. Press the  button to confirm and exit.



### Switch between Desired Time and Local time:

- Press and release the  button to switch between Desired Time and Local Time.
- Desired Time is indicated with the  icon.




**Note:** In the event of battery change or reset, these settings will need to be readjusted.

## Atomic Time

- Your Clock will automatically search for the Atomic Time Signal at UTC 7:00, 8:00, 9:00, 10:00, and 11:00.
- Press the  button to manually start or stop search for the WWVB Atomic Time Signal.
- While searching, the Tower Icon  will flash. The Tower Icon will be solid when the WWVB Signal is received by your clock.
- For information about WWVB Atomic Time visit: [bit.ly/atomic\\_time](http://bit.ly/atomic_time)

## Search for Sensors

If you are seeing “NO” or dashes for any sensor readings, please try the following steps:

1. Hold the **PLUS (+)** button to search for all sensors.  
The Reception Indicator  will begin to animate.
2. If after 3 minutes the sensor still isn't connected, bring the sensor inside next to the display and remove power from the sensor and clock.
3. Press any button on the station 20 times and leave the parts sit for a few moments with the power off.
4. Install a new set of alkaline batteries into the sensor, then power up your clock again.
5. If your sensor data is still not appearing after these steps, please contact our support staff. For additional help visit: [bit.ly/basic\\_restart](http://bit.ly/basic_restart)





# Sensor Placement & Mounting

## For Accurate Temperature/Humidity Measurements



- Insert a mounting screw through the hole at the top to securely mount the sensor. It can also hang from the back using a nail.
- Mount the sensor vertically in a protected well-shaded area. Keeping it out of direct weather elements such as sunlight, rain, snow, etc. will help avoid inaccurate readings.
- For additional protection against weather elements, a Sensor Weather Shield: [bit.ly/weather-shield](http://bit.ly/weather-shield) can be purchased separately.
- The maximum wireless transmission range to the station is up to 330ft (100m) in open air. This does not include walls, floors, or other large obstructions.
- For online video instructions, visit: [bit.ly/th\\_sensor\\_mounting](http://bit.ly/th_sensor_mounting)

## Low Battery Icons

- Low Battery Icon  by the Time, replace batteries in the Clock.
- Low Battery Icon  by Outdoor Temperature, replace batteries in the Outdoor Sensor.

## Sensor Weather Shield

- The Sensor Weather Shield is designed to protect your outdoor sensor from rain and snow.
- This shield will offer limited protection from the sun's heat.
- Optional purchase at: [bit.ly/weather-shield](http://bit.ly/weather-shield)



\*Not included

# Specifications

## Atomic Clock (513-63867 / 513-1429THv2):

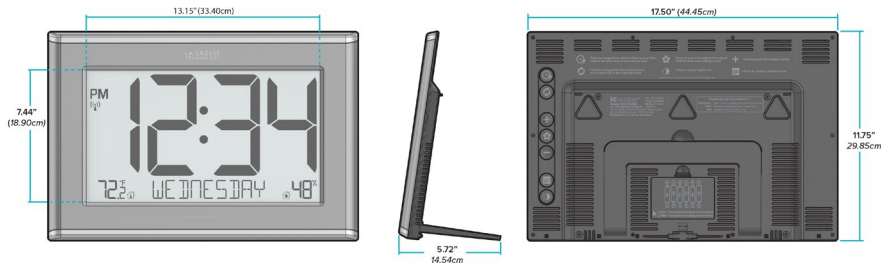
Temperature Range: 32°F to 122°F (0°C to 50°C)

Humidity Range: 10% RH to 99% RH

Power Requirements: 6 "AA" (LR6, IEC) batteries (not included)

Battery Life: Over 24 months with reputable batteries.

Dimensions: 17.50" L x 11.75" H x 5.72" W (44.45cm L x 29.85cm H x 14.54cm W)



## Thermo-hygro Sensor (TX141TH-Bv4)

Temperature Range: -40°F to 140°F (-40°C to 60°C)

Humidity Range: 10% - 99% RH

Transmission Range: Over 330 feet

(100 meters) in open air RF 433MHz

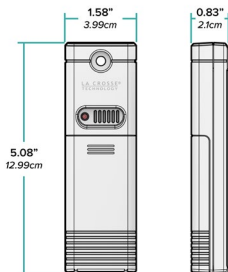
Update Interval: About every 51 seconds

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

Battery Life: Over 24 months

Dimensions: 1.58" L x 0.83" W x 5.08" H

(3.99cm L x 2.1cm W x 12.99cm H)





## We're Here to Help

If you require additional assistance, get in touch with our friendly customer support team based in La Crosse, WI.

**Self Help:** [bit.ly/513-1429thv2\\_support](https://bit.ly/513-1429thv2_support)

**Online:** [bit.ly/contact\\_techsupport](https://bit.ly/contact_techsupport)

**Phone:** 1.608.782.1610

Our knowledgeable customer support team is available:  
Mon-Fri 8am-6pm CST

## Stay in Touch!

Ask questions, watch set up videos, and provide feedback on our social media outlets. Follow La Crosse Technology on Youtube, Facebook, and Instagram.



**SCAN HERE**  
**Additional Info**  
**and Support** ▾



## Warranty & Patents

La Crosse Technology Ltd. provides a 1-year limited-time warranty on this product relating to manufacturing defects in materials & workmanship. Per the Song-Beverly Act, in the state of California, the warranty on this item becomes effective on the date of delivery.

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


**For Full Warranty Details, Visit:** [www.lacrossetechnology.com/pages/warranty](https://www.lacrossetechnology.com/pages/warranty)

**Patents:** [www.lacrossetechnology.com/pages/patents](https://www.lacrossetechnology.com/pages/patents)

## Care & Maintenance

When batteries of different brand or type are used together, or new and old batteries are used together, some batteries may be over-discharged due to a difference of voltage or capacity. This can result in venting, leakage, and rupture and may cause personal injury.

- Do not mix Alkaline, Lithium, standard, or rechargeable batteries.
- Always purchase the correct size and grade of battery most suitable for the intended use.
- Always replace the whole set of batteries at one time, taking care not to mix old and new ones, or batteries of different types.
- Clean the battery contacts and also those of the device prior to battery installation.
- Ensure the batteries are installed correctly with regard to polarity (+ and -).
- Remove batteries from product during periods of non-use. Battery leakage can cause corrosion and damage to this product.
- Remove used batteries promptly.
- For recycling and disposal of batteries, and to protect the environment, please check the internet or your local phone directory for local recycling centers and/or follow local government regulations.

 **WARNING:** This product can expose you to chemicals including acrylonitrile, 1, 3-butadiene, and styrene, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to: [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## 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 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.

### Caution!

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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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.

# DOUBLE YOUR WARRANTY



**Scan Here**

Scan the QR Code or visit:

[bit.ly/513-1429thv2\\_register](https://bit.ly/513-1429thv2_register)

to register your product and double the  
standard 1-year warranty for free by opting  
to receive occasional product emails.