

LA CROSSE®  
TECHNOLOGY

# ATOMIC DIGITAL WALL CLOCK

## INSTRUCTION MANUAL



MODEL: 513-149V2  
DC: 010920

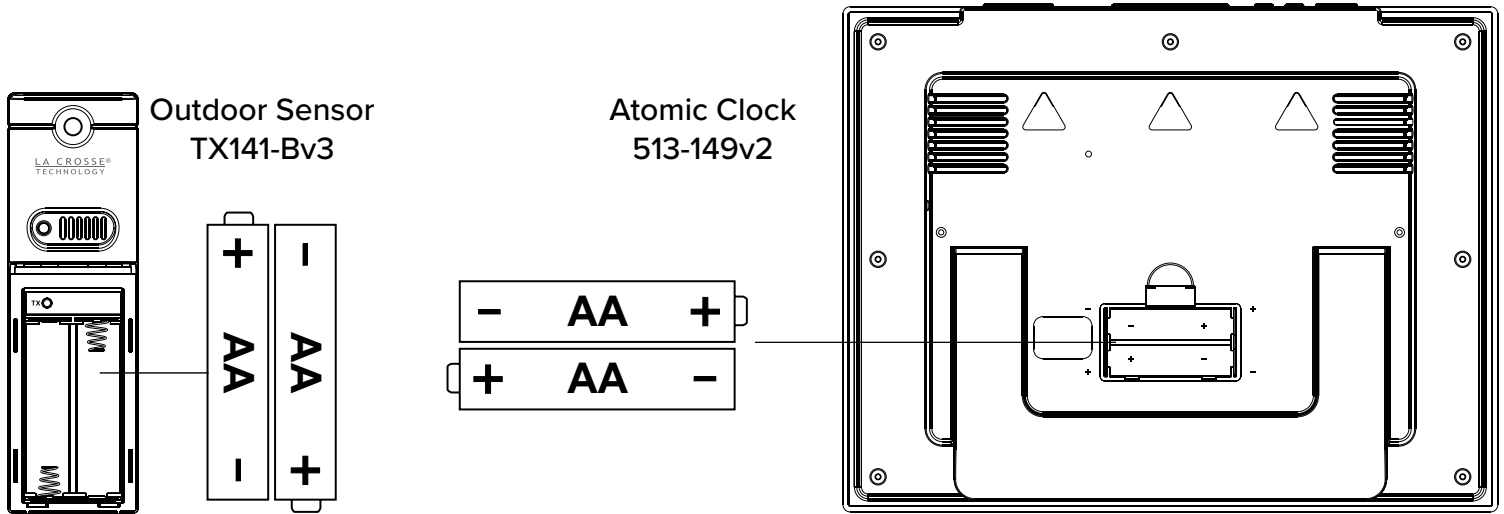
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## POWER UP

1. Insert 2-AA batteries into your Outdoor Sensor.
2. Insert 2-AA batteries into your Digital Clock.
3. Once the Outdoor Sensor is reading to your clock, place it outside in a shaded location to protect it from the sun's heat.

Watch sensor mounting video: [bit.ly/TH\\_SensorMounting](https://bit.ly/TH_SensorMounting)



## 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 MINUS (-) 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.
- 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 Atomic Time visit: [bit.ly/AtomicTime](https://bit.ly/AtomicTime)


## FAHRENHEIT/CELCIUS TEMPERATURE DISPLAY

- Press the °F/°C button to display Temperature in Fahrenheit or Celsius.

## BUTTON FUNCTIONS

The buttons are located at the top of your clock.



°F/°C	Hold to enter the Settings Menu. Press to select Fahrenheit or Celsius Temperature display.
+ (PLUS)	Settings Menu: Press to increase value. Hold to increase quickly.
- (MINUS)	Settings Menu: Press to decrease value. Hold to decrease quickly. Hold to start or stop Atomic Time Signal search.
SNOOZE	Press to Snooze Alarm for 10 minutes. The Snooze Icon <b>Zz</b> will show.
ALARM	Hold to enter Alarm Settings. Press to activate/deactivate alarm. Alarm Icon  will show when alarm is active.

## SETTINGS

1. Hold the °F/°C button to enter the Settings Menu.
2. Press the + or - button to adjust the values.
3. Press the °F/°C button to confirm adjustments and move to the next item.
4. Press the SNOOZE button any time to exit.

### Settings Menu Order:

- WWVB Reception
- Time Zone
- Daylight Saving Time ON/OFF
- 12/24 Hour Time Format
- Hour
- Minutes
- Year
- Month
- Date

### Time Zones

AST = Atlantic  
EST = Eastern  
CST = Central  
MST = Mountain  
PST = Pacific  
AKT = Alaska  
HAT = Hawaii

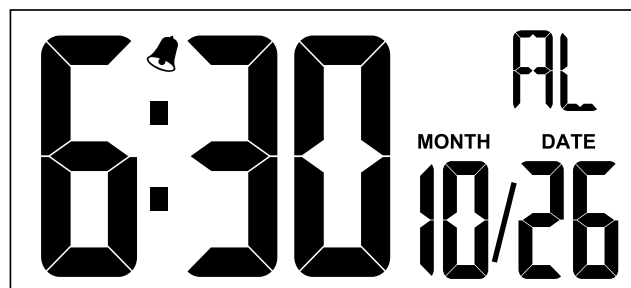
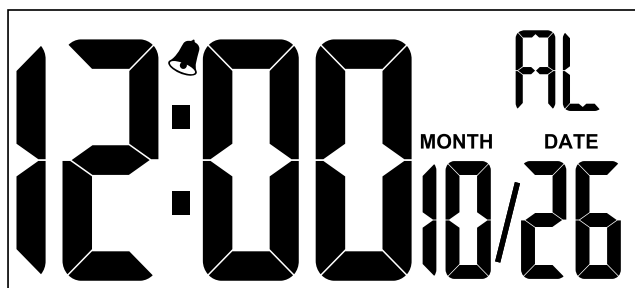
**WWVB OFF:** When WWVB OFF is selected, you will skip to 12/24 Hour Time setting.

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

## TIME ALARM

### Set Alarm:

1. Hold the ALARM button to enter Alarm Settings. The letters “AL” will show in the weekday area.
2. Use the + or - button to adjust values.
3. Press the ALARM button to confirm and move to next item.



### Silence a sounding alarm:

Press any button except SNOOZE to silence alarm for 24 hours.

### Activate/Deactivate Alarm:

- Press the ALARM button to view alarm time.
- Press the ALARM button again to activate or deactivate the alarm.
- The Bell Icon 🔔 will show when alarm is active.




### Snooze:

- When the alarm sounds, press the SNOOZE button to silence the alarm for 10 minutes. **Zz** will show next to the Bell Icon.


**Note:** The alarm will sound with increasing frequency for two minutes, then shut off completely if not deactivated.

## TEMPERATURE TREND ARROWS

- The UP and DOWN arrows indicate changes in temperature (2 °F) over the past 3 hours. The RIGHT arrow indicates no change.
- The arrows will update every 30 minutes and compare data from exactly one hour prior.

 Temperature rose over the past 3 hours	 Temperature is unchanged over the past 3 hours	 Temperature fell over the past 3 hours
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## OUTDOOR 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 is available.
- The signal will show solid when connected to the sensor.

## FACTORY RESTART

When the outdoor readings show dashes and searching for the sensor has not helped, complete a full restart:

1. Bring the sensor in the house about five feet from the clock.
2. Remove batteries from the sensor, and from the clock
3. Press any button 20 times.
4. After 15 minutes, insert batteries into the sensor, and into the clock.
5. Wait another 15 minutes to establish a strong connection. Place sensor outside in shaded location.

## LOW BATTERY INDICATORS

- When the Battery Indicator  shows next to the Outdoor Temperature, replace batteries in the Outdoor Sensor.
- When the Battery Indicator  shows next to the Indoor Temperature, replace batteries in your Clock.

## SENSOR WEATHER SHIELD

- The Sensor Weather Shield (sold separately) 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/925-1418](https://bit.ly/925-1418)



## WE'RE HERE TO HELP!

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

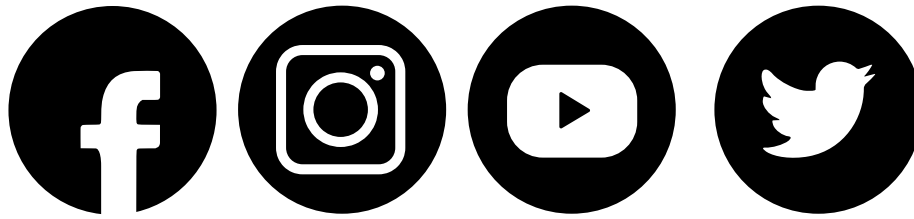
**Phone:** 1-608-782-1610

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

Our knowledgeable customer support team is available: Monday-Friday, 8am-6pm CST.

## JOIN THE CONVERSATION

Ask questions, watch detailed setup videos, and provide feedback on our social media outlets!



## SPECIFICATIONS

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

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

**Transmission Range:** Over 330 ft. (100 meters) RF 433MHz (open air)

**Power Requirements:**

**513-149v2:** 2 “AA” batteries (sold separately)

**TX141-Bv3:** 2 “AA” batteries (sold separately)

**Battery Life:**

**513-149v2:** Over 12 months

**TX141-Bv3:** Over 12 months

**Dimensions:**

**513-149v2:** 11” W x 1.1” D x 8.54” H (27.9 cm x 2.8 cm x 21.7 cm)

**TX141-Bv3:** 1.57” L x 0.79” W x 5.12” H (3.98 L x 2.0 W x 13.0 H cm)

# FCC STATEMENT

## WARRANTY INFO

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.

La Crosse Technology, Ltd.

2830 S. 26th St.

La Crosse, WI 54601

For Full Warranty Details, Visit: [www.lacrossetechnology.com/support](http://www.lacrossetechnology.com/support)

## CARE + MAINTENANCE

- Do not mix old and new batteries.
- Do not mix Alkaline, Lithium, standard, or rechargeable batteries.
- Always purchase the correct size and grade of battery most suitable for intended use.
- Clean the battery contacts and also those of the device prior to battery installation.
- Ensure the batteries have with correct polarity (+ / -).
- Remove batteries from equipment that will not to be used for an extended period.
- Promptly remove expired batteries.

## 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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**WARNING:** This product can expose you to chemicals including styrene, which is known to the State of California to cause cancer. For more information go to: [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)