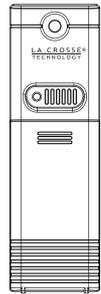# Atomic Digital Clock
with Temperature and Moon Phase
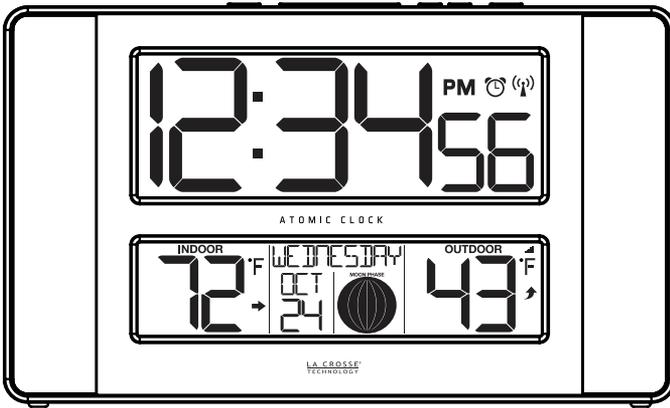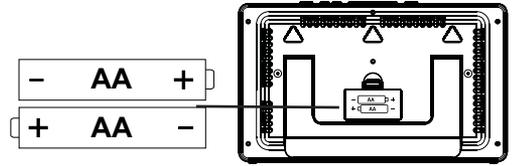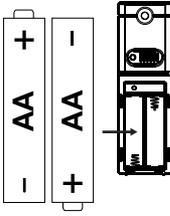

For online video support:
http://bit.ly/LaxTechTalk

Model: 513-1417v3 D.C. 010317

Protected under U.S. Patents:
5,978,738 | 6,076,044 | RE43903

Setup

① **Power up.** Insert 2-AA batteries into the sensor, then into the clock. Observe the correct polarity.

② **Configure basic settings.** Hold the SET button for 3 seconds to enter settings menu. Use the +/- buttons to adjust and SET to confirm.

Setting order:
1. Language: English | Español
2. Beep ON | OFF
3. Atomic ON | OFF
4. DST ON | OFF (Daylight Saving Time)
5. Time Zone
6. Hour
7. Minutes
8. Year
9. Month
10. Date
11. Fahrenheit | Celsius

Note: When the Atomic setting is set to OFF, the menu will skip to item 6, your Hour setting

Note: When Español is selected, weekday and sub menu instructions will be in Spanish. Calendar order: Day, Month, Year.
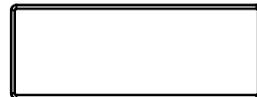
English | Español
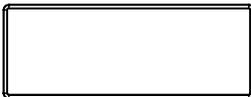
Beep ON | OFF
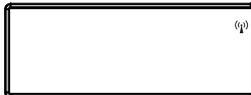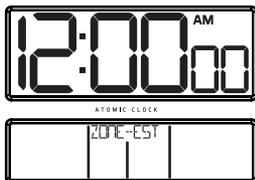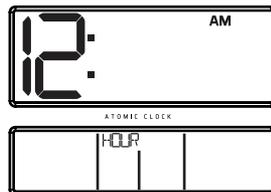

Atomic ON | OFF

DST ON | OFF

Time Zone

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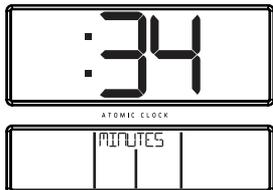AST   Atlantic
EST   Eastern
CST   Central
MST   Mountain
PST   Pacific
AKT   Alaskan
HAT   Hawaiian

`12:00` `AM` `ATOMIC CLOCK` `ZONE-EST`

Hour

`12:` `AM` `ATOMIC CLOCK` `HOUR`

Minutes

`34` `ATOMIC CLOCK` `MINUTES`

Year

`ATOMIC CLOCK` `YEAR 2016`

Month

`ATOMIC CLOCK` `MONTH JAN`

Date

`ATOMIC CLOCK` `DATE JAN 01`

Fahrenheit | Celsius

`ATOMIC CLOCK` `0F  TEMP  0F`
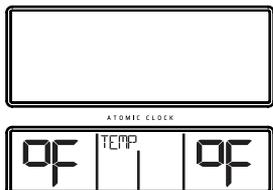
Note: When setting the hour, AM indicates times before 12:00 (noon) and PM indicates time after 12:00 (noon).

`12:` `AM`
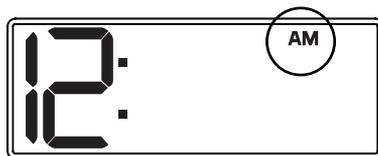
③ **Place outdoor sensor** outside in the shaded location and enjoy your weather information.

Atomic Time

- The station will automatically search for the atomic time signal at UTC 7:00, 8:00, 9:00, 10:00, and 11:00.
- Press and release the SET button to search manually for atomic time signal.
- Press the SET button to select daylight saving time ON/OFF. If you do not observe DST, use the +/- button to turn OFF the Daylight Saving Time Indicator.
- For information about WWVB visit: http://bit.ly/AtomicTime

Display icons

A T O M I C   C L O C K
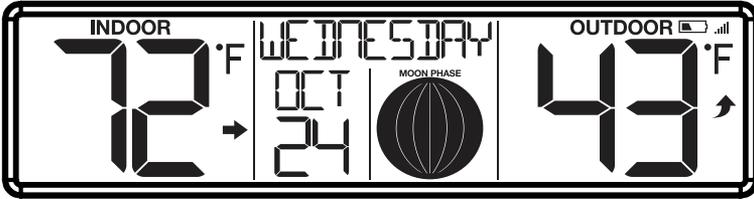
▭ Low Battery	**PM** AM | PM	⏰ Alarm | Snooze
(ᵢ) Atomic Time	°F°C Fahrenheit | Celsius	
➤ Trend Arrow	▂▃▄▅ Sensor Signal Strength	

Time Alarm

Set: Hold the ALARM button for 3 seconds to enter alarm settings.
Use the +/- buttons to adjust and ALARM to confirm.

Hour	Minutes

Deactivate | Activate: The alarm is active when set.
Press and release the ALARM button to deactivate or activate
the alarm. The clock icon will show when alarm is active.

⏰

Snooze: Press and release the SNOOZE button to silence the alarm
for 10 minutes. Snooze can be repeated.

Moon Phase

The moon phase is based on the lunar calendar and the Year, Month, and Date settings set within this clock. Most Internet moon phase calculations are based on the lunar calendar and can be categorized into one of the following

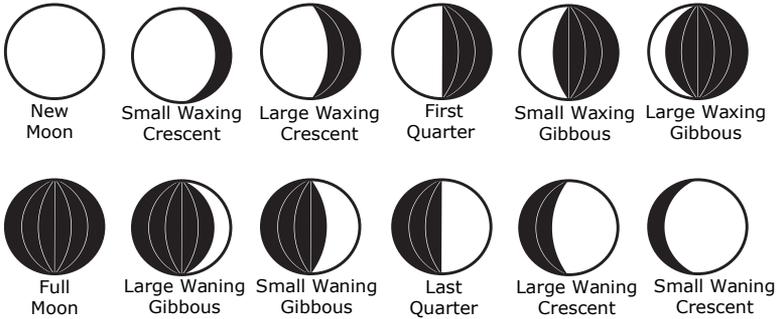|					
New Moon	Small Waxing Crescent	Large Waxing Crescent	First Quarter	Small Waxing Gibbous	Large Waxing Gibbous
Full Moon	Large Waning Gibbous	Small Waning Gibbous	Last Quarter	Large Waning Crescent	Small Waning Crescent

HI | LO Temperature

- Press the PLUS button to view HI Temperature.
- Press again to view LO Temperature.
- Hold the PLUS button for 5 seconds to reset HI and LO temperature.
   Note: All records reset at midnight.

HI Temp		LO Temp
INDOOR 78°F HI TEMP OUTDOOR 93°F		INDOOR 59°F LO TEMP OUTDOOR -20°F
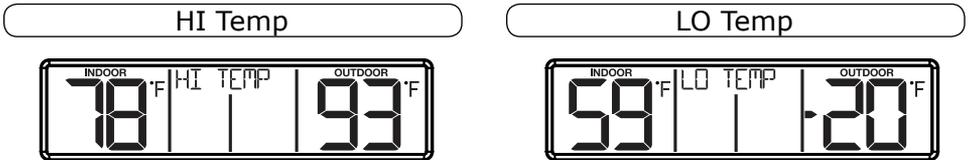
Temperature Trend Arrows

The outdoor temperature trend indicators update every 15 minutes and provide a 1 hour comparison of readings that took place every 15 minutes within that hour. The temperature will have to rise or fall by 2°F (1°C) or more within the hour for the arrows to change."

Temperature rose	Temperature is unchanged	Temperature fell

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http://bit.ly/LaxTech_Pinterest

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.
• Battery icon by outdoor temperature-Change batteries in the sensor.

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 a pullout stand to sit on a desk or table, or openings on the back to mount on a 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.

Specifications

Indoor	32 ˚F to 122 ˚F | 0 ˚C to 50 ˚C
Outdoor Range Update	-40 ˚F to 140 ˚F | -40 ˚C to 60 ˚C Over 300 ft. (91 meters) RF 433MHz (open air) Every 58 seconds
Power	Clock: 2 AA (LR6, IEC) batteries not included Sensor: 2 AA (LR6, IEC) batteries not included
Battery Life	12 months with reputable batteries

Dimensions	Clock: 11.10" W x 1.14" D x 6.75" H
	        (28.19 W x 2.89 D x 17.15 H cm)
	Sensor: 1.57" L x 0.79" W x 5.12" H
	        (13.0 X 3.98 X 2.0 cm)

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 or visit our online help:
Phone: 1-608-782-1610
Online: www.lacrossetechnology.com/support

View full warranty details online at:
www.lacrossetechnology.com/warranty_info.pdf

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 which is 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 inter-ference 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.

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.