

LA CROSSE®
TECHNOLOGY

Atomic Projection Alarm with Indoor & Outdoor Temperature



Model: 616-146v3
Instruction Manual
DC: 092418

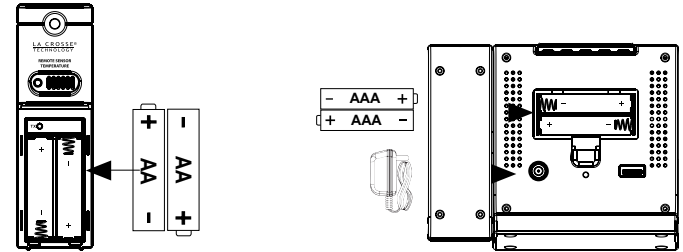
Welcome to the La Crosse Technology® family!
We hope you enjoy your new Projection Alarm.

Table of Contents

2	Let's Get Started	6	Temperature Trend Arrows
2	Atomic Time	7	Search for Outdoor Sensor
3	Buttons	7	Restart
3	Basic Settings	7	Position TX141v2 Sensor
4	Select Fahrenheit Celsius	8	Low Battery Icon
4	Set Alarm Time	8	Help Us, Help You
4	Activate Deactivate Alarm	8	Let's Get Social
4	Snooze Alarm	9	Care and Maintenance
5	Projection: Intensity, Rotation	9	Warranty and Support
5	Projection Modes: Time, Temperature	9	Specifications
6	Backlight	11	FCC Statement
6	USB Charging Port		

Lets Get Started

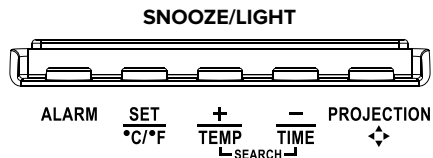
1. Insert 2-AA batteries into your outdoor sensor.
2. Insert the 5 volt power cord into a wall outlet, then into the clock. Install 2-AAA batteries for backup time and date.
3. After 5 minutes, place the sensor outside in a shaded location. Configure basic settings.



Atomic Time

- The backlight and USB charging port will momentarily turn off while the clock searches for the atomic signal.
- After the initial search, your clock will only search for the atomic signal after midnight.
- The atomic time signal icon (tower) will flash while searching, and be solid when connected.
- Press -/TIME button anytime, to manually search for the Atomic time signal.
- For information about WWVB visit: <http://bit.ly/AtomicTime>

Buttons (Back view)



Basic Settings

- Hold the SET/°F/°C button to enter time set mode.
- Press the +/TEMP or -/TIME button to adjust values.
- Press SET/°F/°C button to confirm adjustments and move to next item.

Settings order:

1. WWVB Atomic Time (ON/OFF)
2. Time Zone
3. DST Daylight Saving Time (ON/OFF)
4. 12/24 Hour Time Format
5. Hour
6. Minutes
7. Year
8. Month
9. Date

TIME ZONE	
AST	Atlantic
EST	Eastern
CST	Central
MST	Mountain
PST	Pacific
AKT	Alaska
HAT	Hawaiian

Note: Day of the week sets automatically.

Press the SET/°F/°C button to exit, or wait 20 seconds and clock will return to default display.

Select Fahrenheit | Celsius

- Press the SET/°F/°C button to select Fahrenheit or Celsius temperature display.

Set Alarm Time

1. Hold the ALARM button to enter alarm time set mode.
2. Use the +/TEMP or -/TIME buttons to adjust values.
3. Press the ALARM button to confirm adjustments and move to the next item. The alarm is active when set.

Alarm Time setting order:

1. Hours
2. Minutes

Activate | Deactivate Alarm



- Press the ALARM button once to view alarm time.
- While viewing alarm time press ALARM button to activate or deactivate alarm.
- When active the alarm bell will show.
- Press the ALARM button to stop the alarm for 24 hours.
- Deactivate an alarm to stop it permanently. Bell icon will disappear.

Snooze Alarm

- Press the SNOOZE/LIGHT button to silence alarm for 9 minutes. Zz will show.
- Press the ALARM button to stop the alarm for 24 hours.

Projection: Intensity, Rotation

Projection Intensity:

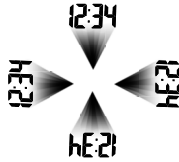
- Power cord is required for constant projection.
- Press and release the SNOOZE/LIGHT button to adjust the projection HI-LOW-OFF.

Note: This will adjust the backlight at the same time.

- If operating on battery power, press the SNOOZE/LIGHT button to activate the projection for 10 seconds.

Projection Rotation:

- Press the PROJECTION button to rotate the projection image 90 degrees.
- Press the PROJECTION button again to rotate another 90 degrees.

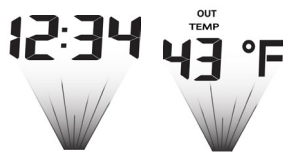


Projection: Modes Time, Temperature

1. Hold, then release the PROJECTION button to switch projection modes.
2. Watch the projection image to view the changes.

Projection Modes:

- Time and Outdoor Temperature: alternates every 5 seconds (default)
- Time only
- Outdoor Temperature only



Backlight

- Power cord is required for constant backlight.
- Press and release the SNOOZE/LIGHT button to adjust the backlight HI-LOW-OFF.

Note: This will adjust the projection at the same time.

- If operating on battery power, press the SNOOZE/LIGHT button to activate the backlight for 10 seconds.

USB Charging Port

There is a 1 Amp USB charging port on the back of your clock. The included power adapter must be in use to charge a device with your own cable.

- Connect your external device's USB charging cable (not included) to the USB charging port.
- Charging times will vary.
- USB Power Output: 1A maximum current.
- Charge 1A devices or devices that are self-regulating.

Temperature Trend Arrows

- The UP and DOWN arrows indicate changes in temperature and humidity over the past three hours.
- They update every 30 minutes and compare data from three hours prior.

Temperature: arrow changes every 2°F (1°C).

Search for Outdoor Sensor

- If your signal is lost, your station will display its LAST DATA recorded from your sensor for 10 minutes.
- After that 10 minutes if the signal does not come back, dashes will show.
- Hold the +/TEMP button for three seconds to search for your outdoor sensor.

Restart

If your outdoor temperature is displaying dashes, and searching for it does not work, try a restart following these steps:

1. Remove the power cord and batteries from the alarm, as well as the outdoor sensor.
2. Once the power is removed, press a button on the alarm at least 20 times.
3. Wait 15 minutes, then insert power cord and fresh batteries into your clock and sensor. Your temperature reading should appear in the first minute.

Position TX141v3 Sensor

- To mount the sensor, use the hole at the top to either hang it from the back using a nail, or insert one mounting screw through the front of your sensor.
- Mount the TX141v3 sensor on a north-facing wall or in any shaded area. Under an eave or deck rail is preferred.

- The maximum wireless transmission range to your weather station is over 330 feet (100 meters) in open air, not including walls or floors.
- Be sure the sensor is mounted vertically, to allow moisture to drain out properly.
- Watch sensor mounting video:
http://bit.ly/TH_SensorMounting

Low Battery Icon

- If the icon is displayed in the Outdoor Temperature section, replace batteries in the outdoor sensor.
- If the icon is displayed in the Indoor Temperature section, replace batteries in the projection clock.

Help Us, Help You!

If you have ideas for features or support solutions you'd like to see us make, please let us know! We truly want to make owning a La Crosse Technology product not only a practical experience, but also a fun one. So email us at: store@lacrossetechnology.com

Let's Get Social

JOIN THE CONVERSATION

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



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 and Registration:

www.lacrossetechnology.com/support

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 used for an extended period of time.
- Promptly remove expired batteries.

Specifications

Indoor

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

Outdoor

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

Note: Temperatures below -20°F (-28.8°C) require Lithium batteries in the outdoor sensor.

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

USB Charging Port

USB Output 1 Amp maximum

Power

Clock: 5 volt Power cord AC6: HX09-0501500-AU
2-AAA LR3, IEC, batteries for backup

TX141v3 Sensor: 2-AA LR6, IEC batteries
Note: Batteries are not included.

Battery Life

Clock: Battery life is over 24 months when using the power cord for primary power

TX141v3 Sensor: Battery life is over 24 months when using reputable battery brands for both Alkaline and Lithium batteries

Dimensions

Clock: 5.23" L x 1.96" W x 4.33" H
(13.3 L x 5.0 W x 11.0 H cm)

TX141v3 Sensor: 1.57" L x 0.79" W x 5.12" H
(4.0cm L x 2.0cm W x 13.0cm H)

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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