LA CROSSE®
TECHNOLOGY

Atomic Projection Alarm Clock
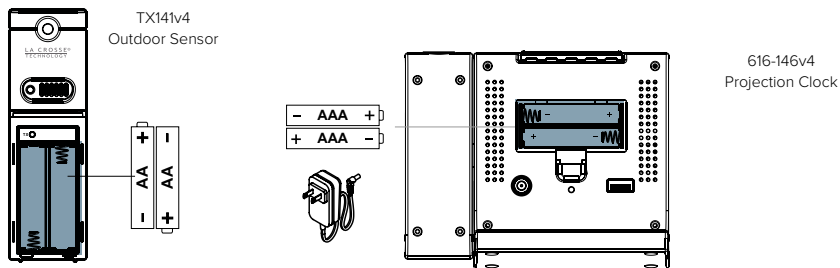## with Indoor/Outdoor Temperature

SET UP GUIDE
MODEL: 616-146v4

Power Up

1. Insert 2-AA batteries into your Outdoor Sensor.

2. Insert the 5 volt power cord into an outlet, then into your Projection Clock. Optional: Insert 2-AAA batteries for backup.

3. Set time, date, etc.

4. Once the sensor is reading to your clock, place the sensor outside in a shaded location. View our sensor mounting video here:

bit.ly/th_sensor_mounting

TX141v4
Outdoor Sensor

616-146v4
Projection Clock

Atomic Time

- The Atomic Time Signal icon 🌀 will flash while searching, and be solid when connected.
- Hold the **-/TIME** button anytime, to manually search for the Atomic Time Signal.
- The backlight and USB charging port will momentarily turn off while the clock searches for the atomic signal.
- For information about WWVB visit: bit.ly/atomic_time

Settings Menu

IMPORTANT: Only press or hold one button at a time.

1. Hold the **SET/°F/°C** button until the display changes to enter the Settings Menu.

2. Press and release the **+/TEMP** or **-/TIME** buttons to adjust values.

3. Press and release the **SET/°F/°C** to confirm values.

4. Press and release the **SNOOZE/LIGHT** button at any time to save and exit.

Settings Menu Order:
• WWVB Atomic Time (ON/OFF)
• Time Zone
• DST Daylight Saving Time (ON/OFF)
• 12/24 Hour Time Format
• Hour
• Minutes
• Year
• Month
• Date

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

WWVB OFF: When WWVB OFF is selected, you will move directly to the 12/24 Hour Time setting.

Weekday: Will set automatically when your Year, Month, and Date are set.
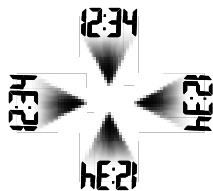
Fahenheit or Celsius

• Press and release the **SET/°F/°C** button to select between a Fahrenheit or Celsius temperature display.

Backlight & Projection Intensity

• Press and release the **SNOOZE/LIGHT** button to adjust both the backlight and projection intensity HIGH / LOW / OFF.
• The power cord is required for constant backlight and projection.
• If operating on battery power only, press the **SNOOZE/LIGHT** button to activate the backlight and projection for 10 seconds.

Projection Rotation

• Press the **PROJECTION** button to rotate the projection image in 90 degree increments.

Projection Selection

1. Hold the **PROJECTION** button to select what to project.
2. Watch the projection image to view changes, release the **PROJECTION** button when on desired setting.

Projection Options:
• Time/Outdoor Temp: Alternates every 5 seconds (default)
• Time only
• Outdoor Temperature only

Time Alarm

Set Alarm:
1. Hold the **ALARM** button to enter the Alarm Settings Menu.

2. Use the **+/TEMP** or **-/TIME** buttons to adjust the flashing values.

3. Press the **ALARM** button to confirm and move forward.

Activate/Deactivate Alarm:
Press the **ALARM** button to view alarm time. Press and release again to activate or deactivate the alarm. The Alarm Icon 🔔 will show only when the alarm is active.

Silence alarm for 24 hours:
When the alarm sounds press and release the ALARM button to silence the alarm for 24 hours. Alarm Icon 🔔 will remain.

Snooze:
When the alarm sounds press the **SNOOZE/LIGHT** button to silence alarm for 9 minutes. Zz will show.

Charging Port

Connect your device's USB charging cable (not included) to the 1 Amp USB Charging Port on the back of the clock.

- Charge 1A devices or those that are self-regulating

- 1A maximum current | Charging times will vary

Temperature Trend Arrows

Both the Indoor and Outdoor Temperatures have Trend Arrows to indicate temperature changes (2°F / 1°C) over the past one hour period.

Temperature has risen over the past one hour.

Temperature has been steady over the past one hour.

Temperature has fallen over the past one hour.

Low Battery

- When the Battery Icon ▱ appears in Outdoor Temperature section, replace batteries in your Outdoor Sensor.
- When the Battery Icon ▱ appears in Indoor Temperature section, replace batteries in your Projection Alarm Clock.

Outdoor Temperature

If you are seeing dashes for your outdoor readings, please try these steps:

1. Hold the **+/TEMP** button to search for your outdoor sensor. The Reception Indicator **.ıll** 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 both the sensor and clock.

3. Press any button on the clock 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 into your clock. For additional help visit: bit.ly/basic_restart

Stay in Touch!

Ask questions, watch setup videos, and provide feedback on our social media outlets. Follow La Crosse Technology on YouTube, Twitter, Facebook and Instagram.

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/616-146v4_support

Online: bit.ly/contact_techsupport

Phone: 1.608.782.1610

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

⚠️ **CA WARNING:**

This product can expose you to chemicals including acrylonitrile, 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

Warranty & Patents

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/pages/warranty

Patents: www.lacrossetechnology.com/pages/patents

Specifications

Projection Clock (616-146v4)
Temperature Range: 32°F to 122°F (0°C to 60°C)
Power Requirements: 5 volt Power cord
AC6: HX12R-0501500-AU
Optional: 2-AAA LR3, IEC, batteries (not included)
The plug on the power adapter is intended to serve as the disconnect device, the socket-outlet shall be installed near the equipment and shall be easily accessible.
USB Output: 1 Amp maximum
Dimensions: 5.23" L x 1.96" W x 4.33" H
(13.3cm L x 5.0cm W x 11.0cm H)
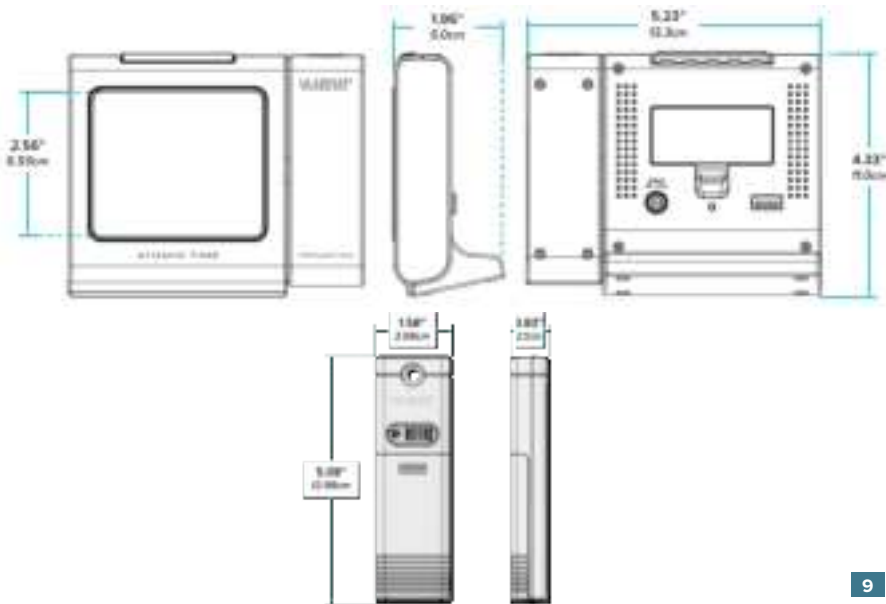
Outdoor Sensor (TX141v4)
Temperature Range: -40°F to 140°F (-40°C to 60°C)
Transmission Range: Over 330 ft. open air
(100 meters) RF 433MHz
Update Interval: About every 51 seconds
Power: 2-AA, IEC, LR6 batteries (not included)
Battery Life: Over24 months

FCC Statment

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.

Care & Maintenance
Battery Replacement Instructions

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.

• 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.

DOUBLE YOUR WARRANTY
Scan the QR Code or visit:
bit.ly/616-146v4_register
to register your product and double the standard 1-year warranty for free by opting to recieve occasional product emails.