

LA CROSSE®
TECHNOLOGY

Atomic Projection Clock

with Indoor/Outdoor Temperature



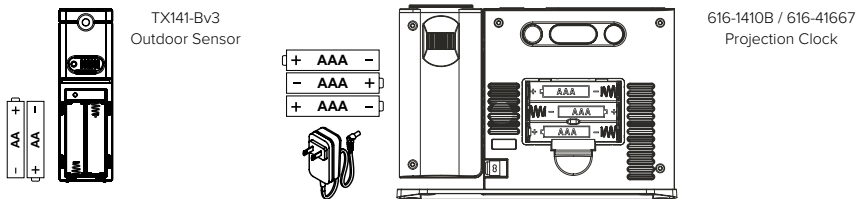
SET UP GUIDE

MODEL: 616-1410B / 616-41667

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 3-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



Atomic Time

- The clock will search for the Atomic Time Signal at power up and at UTC 7:00, 8:00, 9:00, 10:00, and 11:00.
- The Atomic Time Signal Icon (📡) will flash while searching and be solid when it has connected.
- From the normal time display, press the **SET** button to manually start or stop a search for the WWVB time signal. For information about WWVB visit: bit.ly/AtomicTime

Note: The Backlight will be off temporarily while searching for the WWVB time signal.

Settings Menu

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

1. Hold the **SET** button until the display changes to enter the Settings Menu.
2. Press and release the **+/-** buttons to adjust values.
3. Press and release **SET** to confirm values.
4. Press and release the **SNOOZE/LIGHT** button at any time to save and exit.

Settings Menu Order:

- Language (English, Spanish, French, German)
- Beep ON/OFF
- Atomic ON/OFF
- DST Settings:
 - DST AUTO ON (Changes Spring and Fall)
 - DST ALWAYS OFF (No change in Spring)
 - DST ALWAYS ON (No change in Fall)
- Time Zone
- 12/24 Format
- Hour
- Minutes
- Year
- Month
- Date
- Month/Date or Date/Month
- Fahrenheit/Celsius

TIME ZONE

ATLANTIC
EASTERN
CENTRAL
MOUNTAIN
PACIFIC
ALASKA
HAWAII

Backlight

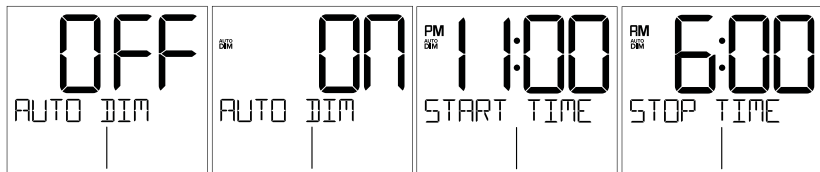
- Press the **SNOOZE/LIGHT** button to adjust the backlight to adjust the backlight intensity. There are 4 levels, plus an off option.

Auto Dim

Program your display to automatically dim during preselected times.

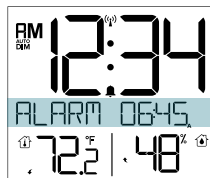
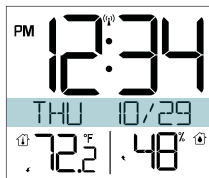
1. Hold the **SNOOZE/LIGHT** button to enter the Auto-Dim Settings Menu.
2. Press the **+/-** buttons to turn the Auto-Dim feature on or off. Press **SNOOZE/LIGHT** to confirm.
3. Press the **+/-** buttons to adjust the starting hour. Press **SNOOZE/LIGHT** to confirm.
4. Press the **+/-** buttons to adjust the stopping hour. Press **SNOOZE/LIGHT** to confirm and exit.

The **AUTO DIM** icon will appear on the LCD when the Auto-Dim feature activated.




Custom Display

Press the **CALENDAR** button to change the middle section of your display. Choose between full weekday, abbreviated weekday with date, or alarm time.

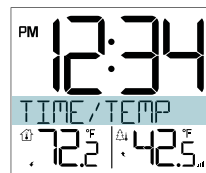
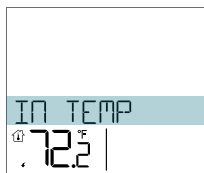
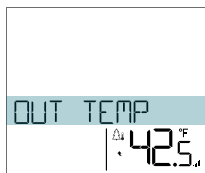
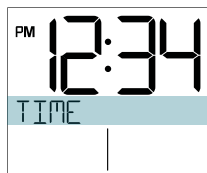


Projection Image

1. Hold the  button to enter the Projection Settings
2. Use the +/- buttons to change projection selection.
3. Projection image will stay on last option selected.

Projection Options:

- Time only
- Indoor Temp only
- Outdoor Temp only
- Alternate Time + Indoor Temp + Outdoor Temp



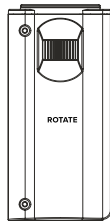
Projection Brightness & Rotation

Brightness:

Press the  button to change the Projection Brightness (High, Low, or Off).

Rotation:

Use the **Rotation Wheel** on the back of the projection arm to change the projection orientation 270 degrees.




Tilt The Projection Arm:

The Projection Arm can tilt forward and backward to adjust the location of the projection image on a wall or ceiling.


Time Alarm

Set Alarm:

1. Hold the **ALARM** button to enter the Alarm Settings Menu.
2. Use the **+/-** buttons to adjust the flashing values.
3. Press the **ALARM** button to confirm and move forward.

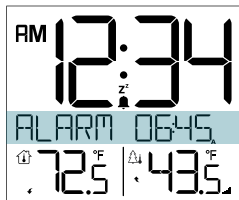
Note: The alarm will activate after being set, indicated by the Alarm Icon . The Alarm Time will also remain on screen until the **CALENDAR** button is used to switch back to a calendar display.

Activate/Deactivate Alarm:

Press the **ALARM** button to activate or deactivate the alarm and view your alarm time. The Alarm Icon  will show only when alarm is active.

Snooze:

- When alarm sounds, press the **SNOOZE** button to silence alarm for 10 minutes. The Snooze Icon **Zz** will flash.
- Press any button except SNOOZE to silence the alarm for 24 hours.
- When alarm ends by button press or time out after 2 minutes, **GOOD DAY** will show briefly then return to normal time display.



Temperature Trend Arrows

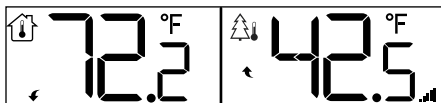
Both the Indoor and Outdoor temperature have Trend Arrows to indicate temperature changes (2°F / 1°C) over the past one hour period.



Temperature has risen over the past one hour.


Temperature has been steady over the past one hour.

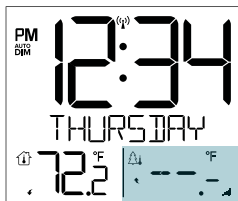
Temperature has fallen over the past one hour.



Outdoor Temperature

If you are seeing NO or dashes for your outdoor readings, please try the following steps:

1. Hold the **+** button to search for your outdoor sensor. 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 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
5. If your outdoor data is still not appearing after these steps, please contact our support staff via the links below



We're Here to Help

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

Phone: 1.608.782.1610

Online: bit.ly/contact_techsupport

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

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.

Low Battery Indicator

- By the Indoor Temp, replace clock batteries.
- By the Outdoor Temperature, replace sensor batteries.

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.

Specifications

Projection Clock (616-1410B / 616-41667)

- **Temperature Range:**
32°F to 99°F (0°C to 37°C)
- **Power Requirements:**
5 volt Power cord AC6: GPU280500150WAOO
Optional: 3-AAA LR3, IEC, batteries for backup (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.

- **Dimensions:**
5.83" L x 1.61" L x 4.06" H
(14.8cm L x 4.1cm W x 10.3cm H)

Outdoor Sensor (TX141-Bv3)

- **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:** Over 12 months
- **Dimensions:**
1.57" L x 0.79" W x 5.12" H
(4.0cm L x 2.0cm W x 13.0 H cm)

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/pages/warranty



WARNING:

This product can expose you to chemicals including styrene, which is known in the State of California to cause cancer.

For more information, go to:

www.P65Warnings.ca.gov

Canada Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes :

- 1) L'appareil ne doit pas produire de brouillage;
- 2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

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.

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