Manuals+ — User Manuals Simplified.

**Technology VA1
Wi-Fi Projection
Alarm Clock**

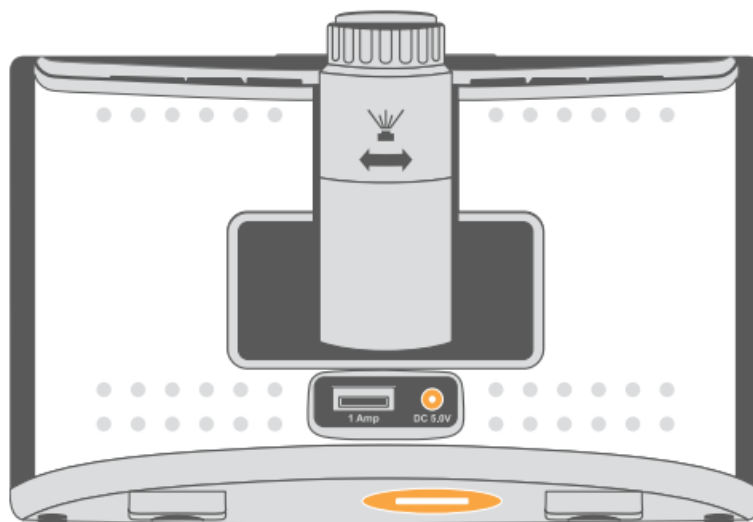# La Crosse Technology VA1 Wi-Fi Projection Alarm Clock User Manual

Contents

La Crosse Technology VA1 Wi-Fi Projection Alarm Clock User Manual

BASICS

Initial Setup

Power Up

Back of Alarm Clock

Thermo-Hygro Sensor
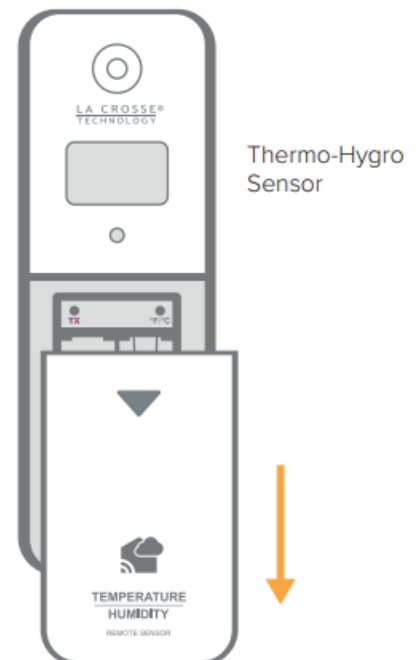
Alarm Clock
Insert the 5V Power Adapter into an outlet, and then plug it into the Power Jack on the back of the Alarm Clock. Next, remove the Insulation Tab from the Battery Compartment located on the bottom of the Alarm Clock.

Thermo-Hygro (TH) Sensor

Install 2 fresh "AA" batteries according to polarity and replace battery cover. The blue LED light will flash when transmitting.

Note: It may take up to 10 minutes for your sensor data to appear on your Alarm Clock's screen.

Alarm Clock Settings

1. When the Alarm Clock is first powered on, it will begin searching for your outdoor sensor, which should connect shortly.
2. To manually set your time, date, and other settings, hold the SET button to enter the Settings Menu.

Settings Menu Order
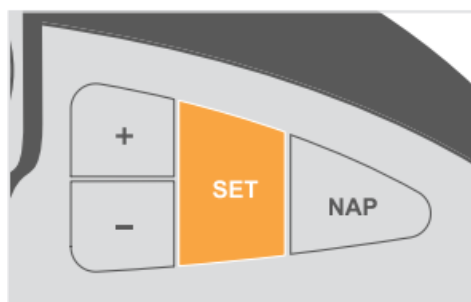
- Greeting
- Language
- 12/24 Hour Time
- Hour
- Minute
- Year
- Month
- Date
- Calendar Order (Month/Date or Date/Month)
- Fahrenheit/Celsius

Thank You

- Use the +/- buttons on the top of the Alarm Clock to adjust the values.
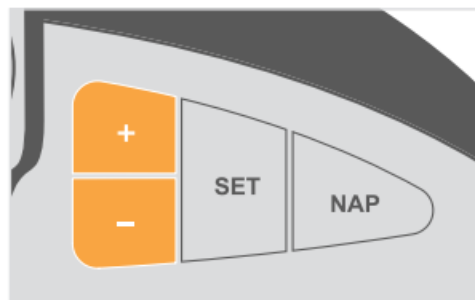
- Press the SET button to confirm selection and move to next step.

- You may exit the Settings Menu at any time by pressing the SNOOZE/LIGHT button.

Notes: Weekday will set automatically after year, month, & date settings are adjusted.

If you're connected to the Wi-Fi, the time and date will automatically update from the Internet. See pages 3-4 for more information.

Buttons & Ports
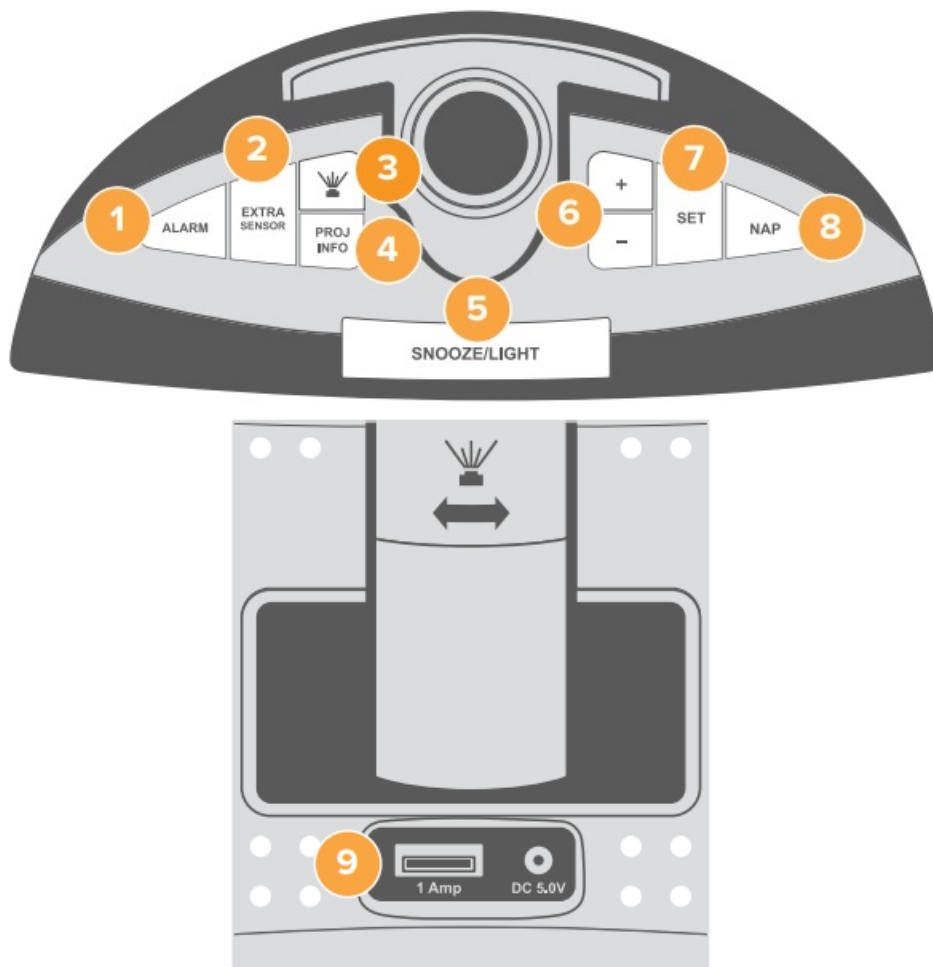
Back of Alarm Clock

1. **ALARM**

   Press to activate/deactivate alarm. Hold to enter Alarm Settings Menu.

2. **EXTRA SENSOR**

   Press to toggle between alarm time, nap timer duration, internet outdoor temperature*, or add-on sensor data.

   Hold to add additional sensors.

3. **PROJECTION**

   Press to adjust projection intensity.

4. **PROJ INFO**

   Press to toggle through projection options. Hold to alternate projection between available options.

5. **SNOOZE/LIGHT**

   Press to snooze sounding alarm, adjust backlight, or hold to enter Auto-Dim Settings.

6. **PLUS/MINUS (+/-)**

   Use to adjust values, hold to change values quickly. Hold +/- buttons together to clear and search for a new Wi-Fi connection.

7. **SET**

   Press to view Wi-Fi status.

   Hold to enter Settings Menu.

8. **NAP**

   Press to start Nap Countdown Timer. Hold to set Nap Timer duration.

9. **USB CHARGING PORT**

   Using your own USB cable, conveniently charge 1 Amp devices.

*Your Alarm Clock must be connected to Wi-Fi to receive Internet data. Internet data updates 4-6 times a day.

LCD Display Brightness
Adjusting the LCD Display Brightness: Press the SNOOZE/LIGHT button to adjust the backlight intensity. There are 4 brightness levels, plus an off option.

Auto-Dim Settings: Program your Alarm Clock 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.
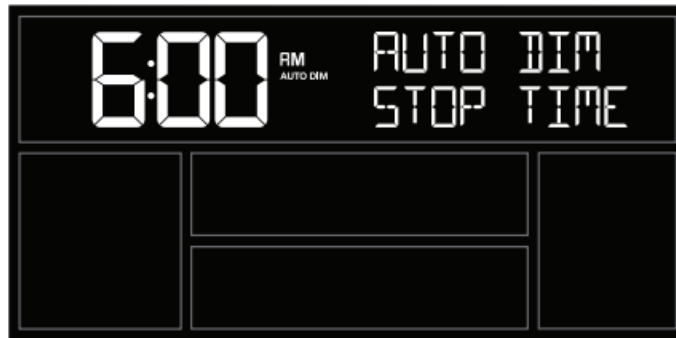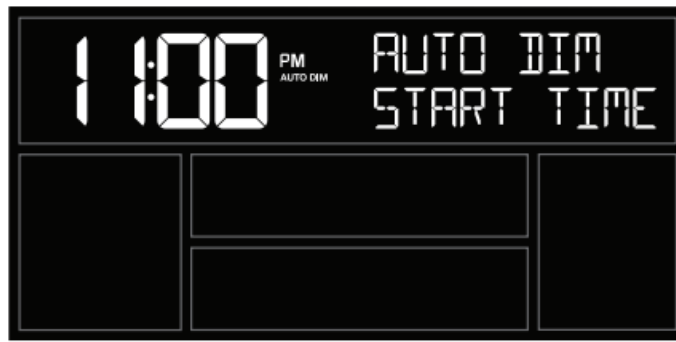
AUTO DIM will appear on the LCD when the Auto-Dim feature activated

LA CROSSE VIEW

Connecting to the App

Stay connected to your home anytime, anywhere with the La Crosse View app. Monitor home conditions and set alerts so your home can get ahold of you when something seems off. Connecting your alarm clock is optional and the display will function as a standalone unit without the Wi-Fi connection. However, we recommend connecting

during the initial setup, as it will save you time and unlock all of the advanced features right

- **Download the La Crosse View App**

  Visit the App Store or Google Play Store to download the free La Crosse View app onto your mobile device.
- **Launch the App**

  Open the La Crosse View app and follow the on-screen setup instructions.

For more information, scan the QR code or visit: www.lacrossetechnology.com/view
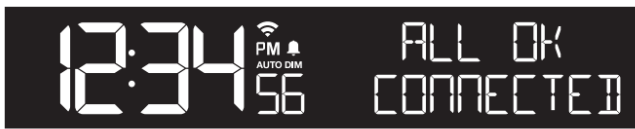

Connecting Your Alarm Clock
Now that you've created your La Crosse View account, it's time to connect your Alarm Clock to your home router using the La Crosse View app.

Connecting to Your Wi-Fi Network

1. The La Crosse View app is required to connect the Alarm Clock to your Wi-Fi network. Download, install, and log into your La Crosse View account first.
2. Follow the initial app instructions or manually add the display into your account.
   - **New User Initial Setup:** When first setting up your Alarm Clock, the app it will lead you through a series of instructions to help get your Alarm Clock added into your account and connected to your home Wi-Fi network.
   - **Manually Add & Connect Display:** After the initial walk-through, Alarm Clocks can be added and connected via the Devices tab in the app's main menu. Simply tap the Add Device or Plus (+) button at the bottom of the Devices page in the app.
3. When connected, the indicator 📶 on the display will become solid.

Checking Your Alarm Clock's Wi-Fi Status
Press the SET button on the top of the Alarm Clock to view your Wi-Fi Status.
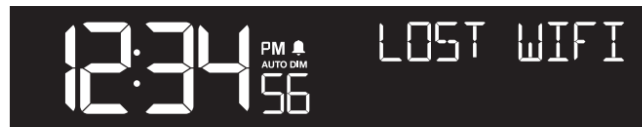
ALL OK CONNECTED: Your Alarm Clock is connected to your Wi-Fi and its data should be available on the Alarm Clock and in the app.

NO WEATHER SERVICE: Your Internet weather and time services are not connecting. These should resolve on their own, please be patient.
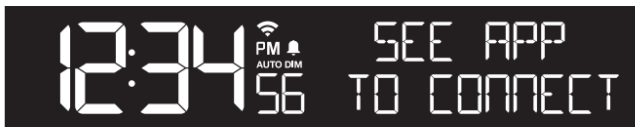
SEE APP TO CONNECT: Check your La Crosse View app for notifications.

LOST WIFI: Check your router and network connections.

ALARM

Time Alarm: Setting the Alarm

1. Hold the ALARM button on the top of the alarm clock to enter the Alarm Settings Menu.
2. Use the +/- buttons to set your desired time. Press ALARM to confirm.
3. Next, use the +/- buttons to set your desired snooze duration (5 to 120 minutes). Press ALARM to confirm and exit the Alarm Settings Menu.
4. Your sound alarm is now activated, as indicated by the icon 🔔 on the LCD.

Activating & Deactivating the Alarm

1. Press the ALARM button to activate/deactivate the alarm and to view your alarm time.
2. The 🔔 icon will appear on the LCD when the alarm is active.

Snooze Duration Countdown

When your alarm sounds, tap the SNOOZE/LIGHT button to snooze your alarm for your preselected snooze duration. A countdown will appear on screen. When the snooze time reaches "00," the alarm will sound again. The snooze feature can be repeated as many times as desired.

WEATHER

Viewing Your Data

1. **FORECAST ICONS (or Moon Phase)**

   Represent a future prediction of the weather to come over the next 12 hours*
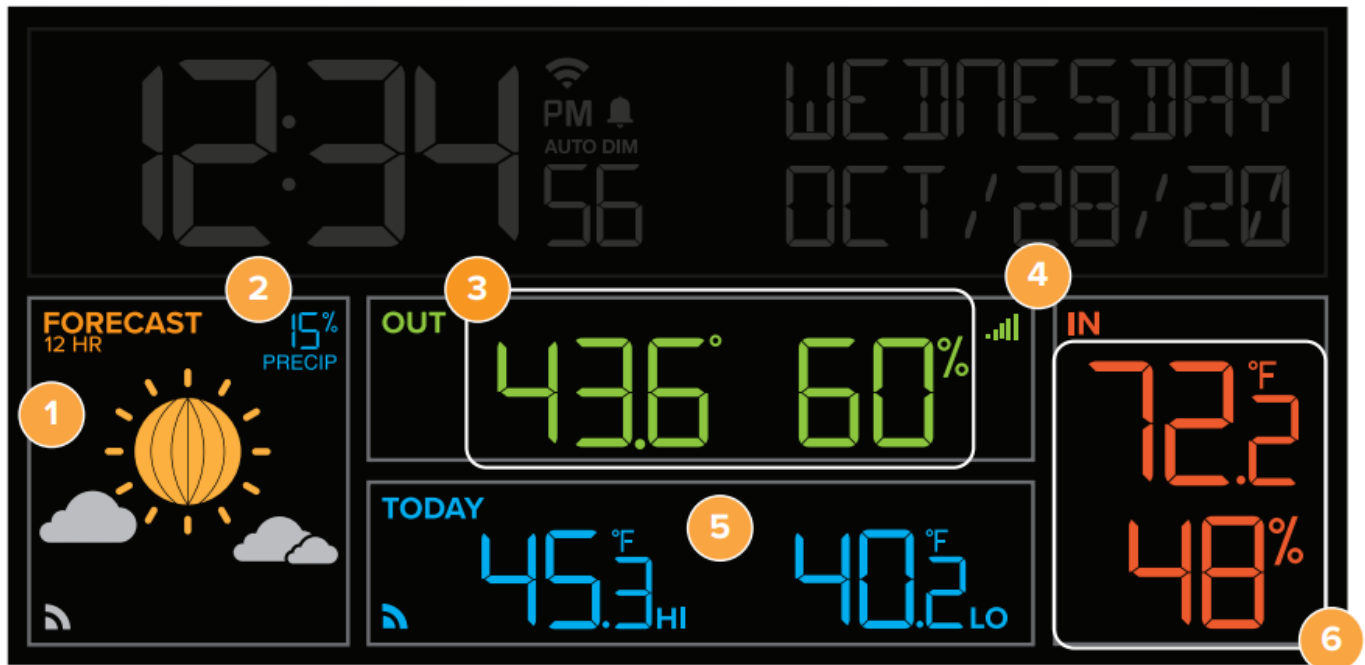
2. **CHANCE OF PRECIPITATION**

   Predicted chance of rainfall in the next 12 hours. Displayed as a percentage.*

3. **OUTDOOR TEMPERATURE & HUMIDITY**

   Current Outdoor Temperature and Humidity

4. **SENSOR RECEPTION INDICATOR**

   Indicates if the alarm clock is receiving data from the sensor

5. **FORECASTED HIs and LOs* (or Indoor Comfort Level)**

   Daily Forecasted Highs and Lows from AccuWeather*

6. **INDOOR TEMPERATURE & HUMIDITY**

   Current Indoor Temperature and Humidity

*Your Alarm Clock must be connected to Wi-Fi to receive AccuWeather data. If unconnected, forecast scene will be replaced by Moon Phase icons and daily highs and lows will be replaced with Indoor Comfort Level.

Viewing Your Data: Moon Phase and Forecast Icons

Please Note: The Forecast Icons may not represent your current weather. They are a future prediction of the weather to come over the next 12 hours and will update 4-6 times a day. When using the clock without Wi-Fi connection, or if you choose to Opt-Out of internet weather and time services, your Moon Phase will appear. When connected to Wi-Fi and using internet services, the clock will show forecast icons and chance of precipitation values powered by AccuWeather.*

Moon Phases on Standalone Alarm Clock

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	Small Waning Crescent	Large Waning Crescent

AccuWeather
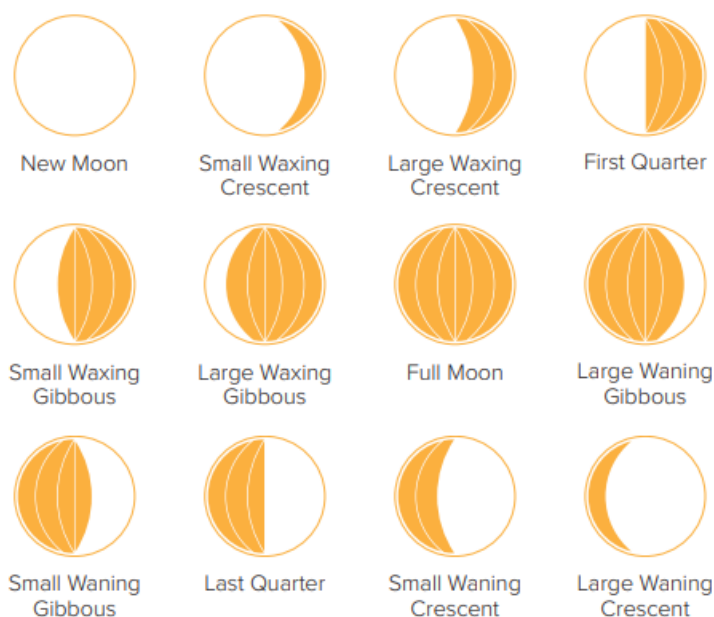
Available Forecast Icons when Connected*
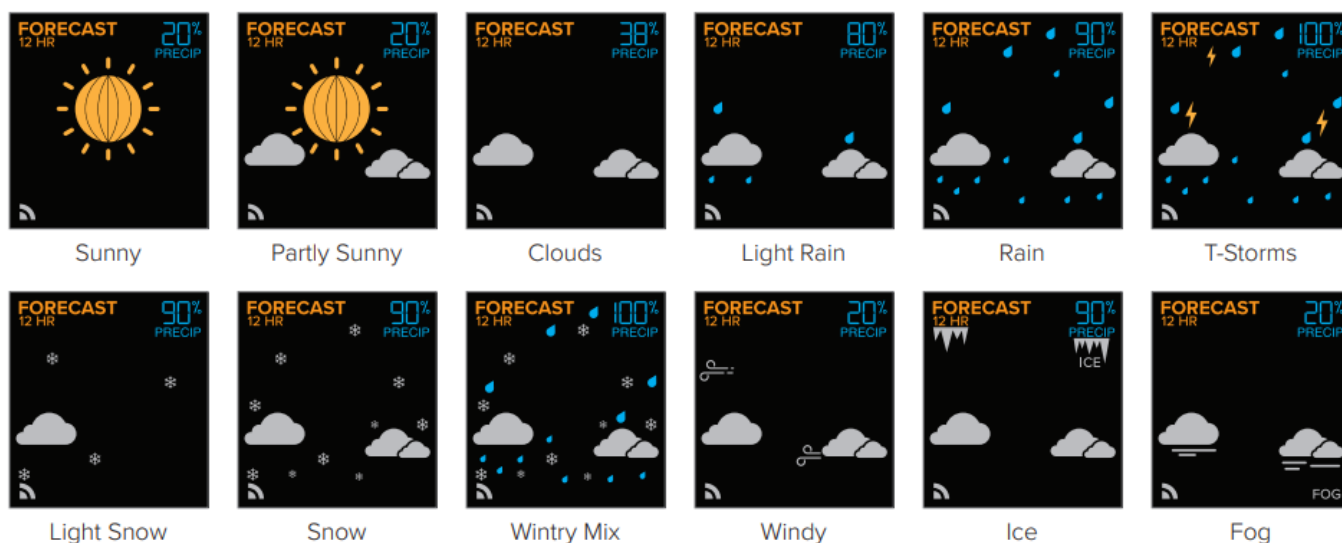
Sunny	Partly Sunny	Clouds	Light Rain	Rain	T-Storms
Light Snow	Snow	Wintry Mix	Windy	Ice	Fog

Please Note: The Forecast Icons may not represent your current weather. They are a future prediction of the weather to come over the next 12 hours and will update 4-6 times a day.

Your display must be connected to Wi-Fi to receive AccuWeather forecast data.

Forecasted HIs & Los and Indoor Comfort Level
When connected to Wi-Fi, the Alarm Clock will show forecasted daily HI and LO temperatures, powered by AccuWeather. Without Wi-Fi, or if you chose to opt-out of internet weather and time services, this section will show your current indoor comfort level.

Example Forecasted HIs & LOs
Your display must be connected to
Wi-Fi to receive AccuWeather data

Indoor Comfort Level Readings

1%RH to 25%RH

26%RH to 39%RH

40%RH to 70%RH

71%RH to 83%RH

84%RH to 99%RH

Comfort Level Readings will show when
not connected to WiFi or if you opt-out
of internet weather and time services.

Mounting Your Thermo-Hygro Sensor

- Use the hanging hole on the back to mount the sensor. Or, insert one mounting screw through the front of your sensor.
- Mount your sensor on a north-facing wall or in any shaded area. Under an eave or deck rail is preferred to avoid inaccurate readings from the sun.
- The maximum wireless transmission range to the Alarm Clock is up to 400 feet (122 meters) in open air, not including walls or floors.
- Be sure your sensor is mounted vertically, to allow moisture to drain out properly.
- For more senor mounting information, visit: **bit.ly/th_sensor_mounting**

EXTRA SENSORS

Add-On Sensors
Whether you choose to connect with the La Crosse View app or not, this alarm clock can display data for up to 4 extra sensors. This data will appear in the green section on the LCD, in your projection image, and in your La Crosse View app if connected. To learn about all of you add-on sensor options, visit: **bit.ly/add-on_sensors**

Adding Extra Sensors to Your Alarm Clock

1. Hold the EXTRA button until you see the Sensor Reception Indicator 📶 start to animate.
2. Install batteries into your sensor. If the sensor has a TX button, press it to force a transmission signal. This button is usually located in or near the sensor's battery compartment. The LED light on the sensor will flash once.
3. Your sensor should connect within the next 3 minutes, briefly displaying its ID and type on the LCD. The Sensor Reception Indicator will show solid on the screen when a sensor is connected.

Note: When first powering up, or after a factory reset, extra sensors should automatically connect to your alarm

clock.

Viewing Your Sensor Data: LCD
Press & release the EXTRA button to cycle through the data you'd like displayed on the LCD. The Auto Scroll Icon
( ) will appear if activated.
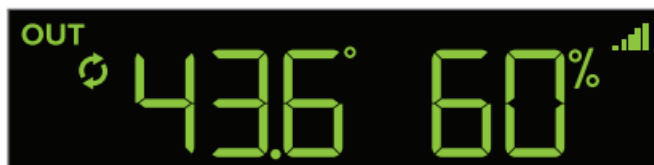
Thermo-Hygro Sensor Data

Add-On Water Leak Sensor Data

Viewing Your Sensor Data: Projection

1. Hold the PROJ INFO button to choose the Alternate Projection Mode. ALT WITH TIME OFF will appear on the LCD.
2. Press the +/- buttons to select ALT WITH TIME ON.
3. Press the PROJ INFO button to toggle through the selections.
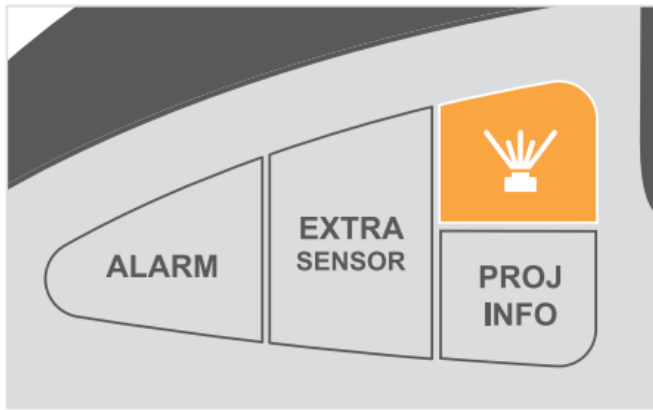4. Press the SNOOZE/LIGHT button to exit the Projection Menu.
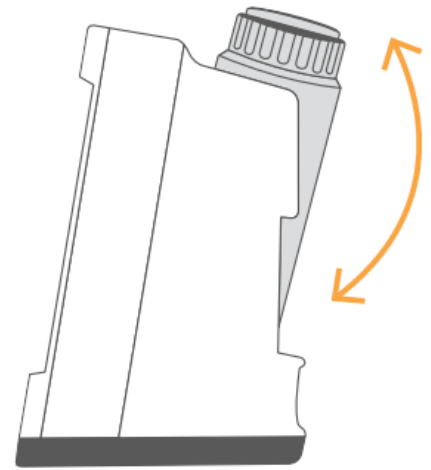

Indoor Temp. & Humidity   Water Leak Sensor Data

PROJECTION

Adjusting the Projection Image

Adjusting the Projection Brightness   **Tilting the Projection Tube**

- **Adjusting the Projection Brightness**

  Tap the ⛉ button to adjust the projection's brightness. There are 3 levels, plus an off option.

- **Tilting the Projection Tube**

  The Projection Tube tilts forwards and backwards to adjust the location of the projection image.

Rotating Your Projection Image
Use the bottom of the Projection Tube to rotate viewing angle of the image.

Alternating Your Projection Image
You can alternate between time and sensor projection options. Please see page 12 for more information.

Note: The fixed focus projection image will look best at about 7ft. (2.1m).

Specifications

Wi-Fi NETWORK REQUIREMENTS

- Broadcast Frequency: 2.4GHz (802.11 b/g/n)
- Network Name/Password: Must Not Exceed 45 Characters
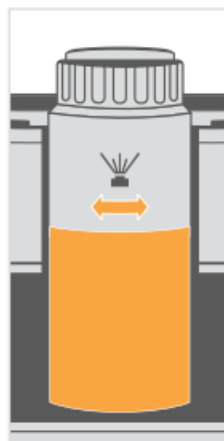- Network Speed: Must Be Greater than 1 Mbps

Please Note: If you have multiple band router, this device will connect to the 2.4GHz band when connecting to Wi-Fi.

MOBILE REQUIREMENTS

- Apple phones require iOS with cellular or Wi-Fi service.
- Android phones require Android OS with cellular or Wi-Fi service.

ALARM CLOCK SPECIFICATIONS (VA1)

- **Indoor Temp. Range:** 32°F to 99°F (0°C to 37°C)
- **Indoor Humidity Range:** 10 to 99%RH

Power Requirements:

- **Primary Power:** 5.0V AC Adapter (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.
- **Battery Backup:** 1 "CR2032" Coin Cell Battery (included)
- **Alarm Clock Dimensions:** 6.04" L x 2.42" W x 4.10" H (15.34cm L x 6.15cm W x 10.41cm H)
- **LCD Brightness:** 4 Intensity Levels + OFF (Programmable Auto-Dim Backlight Option)
- **Language Options:** English, Spanish, French, and German (Translation Available for Menus & Calendar)

SENSOR SPECIFICATIONS (LTV-TH2I)

- **Outdoor Temp. Range:** -40°F to 140°F (-40°C to 60°C)
- **Outdoor Humidity Range:** 10 to 99%RH
- **Transmission Range**: 400 Feet (121.92 Meters)
- **Power Requirements:** 2 "AA" batteries (not included)
- **Update Interval:** Every 51 Seconds
- **Sensor Dimensions**: 1.97" L x 0.75" W x 5.73" H (5.00cm L x 1.91cm W x 14.55cm H)

WARNING

1. This product contains a button battery.
2. If swallowed, it could cause severe injury or death in just 2 hours.
3. Seek medical attention immediately.

WARNING: KEEP BATTERIES OUT OF REACH OF CHILDREN

1. Swallowing may lead to serious injury in as little as 2 hours or death, due to chemical burns and potential perforation of the esophagus.
2. If you suspect your child has swallowed or inserted a button battery, immediately seek urgent medical assistance.
3. Examine devices and make sure the battery compartment is correctly secured, e.g. that the screw or other mechanical fastener is tightened.
4. Do not use if compartment is not secure.
5. Dispose of used button batteries immediately and safely. Flat batteries can still be dangerous.
6. Tell others about the risk associated with button batteries and how to keep their children safe.

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**

Warranty

La Crosse Technology, Ltd. provides a 1-year limited time warranty (from date of purchase) on this product, relating to manufacturing defects in materials and workmanship. For full warranty details, you can visit: **www.lacrossetechnology.com/pages/warranty**

La Crosse Technology, Ltd. 2830 S. 26th Street, La Crosse, Wisconsin 54601

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.
- All rights reserved. This manual may not be reproduced in any form, even in part, or duplicated or processed using electronic, mechanical or chemical process without the written permission of the publisher.
- This booklet may contain errors or misprints. The information it contains is regularly checked and corrections are included in subsequent editions. We disclaim any responsibility for any technical error or printing error, or their consequences.
- All trademarks and patents are recognized.

Care & Maintenance

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

Recycling & Disposal

Please consider the environment when deciding to dispose of this product. Although household electronics are generally safe to use on a daily basis, incorrect disposal can cause negative and potentially irreversible impacts on our environment.

Check with local donation centers to see if your product can be donated for future use. If disposal is the only option, federal agencies, local governments, and certified retailers may have electronic recycling programs in place. Programs may vary based on location.

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.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Increase the separation between the equipment and receiver.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement
This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules. This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and consider removing the no-collocation statement.

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.

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; and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with

RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

SUPPORT
Having Trouble? We're here to help.

- **For detailed product videos, manuals, and more, visit our support website:**

  www.lacrossetechnology.com/lacrosseviewsupport

  Make sure you have your product's model number handy (VA1)
- **If you need additional support, get in touch with our friendly customer support team:**
  - **Online**: **bit.ly/contact_techsupport**
  - **Phone Number:** 1.844.200.8752

Representatives are available Monday-Friday, 8:00am to 6:00pm CST

La Crosse Technology® Patents
Visit **www.lacrossetechnology.com/patents** for patent information.

Factory Reset

If you are experiencing issues, press and hold the ALARM and NAP buttons down together until the display beeps. You do not need to remove the button cell battery to restart the alarm clock.

Stay in Touch
Ask questions, watch set up videos, and provide feedback on our social media outlets.

Follow La Crosse Technology on Facebook, Instagram, Youtube, and Twitter.

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References

- [**User Manual**](#)