LA CROSSE®
TECHNOLOGY

Wireless Essential Weather Station

Welcome!

Congratulations on your new Wireless Essential Weather Station and welcome to the La Crosse Technology family! This product was designed with you in mind by our hometown team of weather enthusiasts based in La Crosse, Wisconsin.

Instructional Manual
Models: C84343
DC: 061917

Table of Contents

Step 1. Power UP

Insert the included batteries (in any order):

• 2-AA batteries into Thermo-hygro sensor

• 5 volt power cord (required) into C84343 station
3-AA batteries optional backup for time and date*

Note: Press and release the SENSOR button on the station to confirm sensor ID's on station match bar code on your Thermo-Hygro sensor.

||||||| ||| ||| || ||||| || ||||| ||| || |||||
123456-ABC

If they do not match, you may have picked up a neighbors sensor.
See Delete Sensor on

*Batteries operation only will not update sensor or Wi-Fi data. Power cord is required.

STEP 2: STATION OPTIONS

OPTION 1

CONNECT WITH LA CROSSE VIEW™ APP

The easiest and fastest way to setup your station!
Enjoy all of the standalone station features along with the enhanced feature set from La Crosse View™ app!

Not Interested in Connecting to La Crosse View™? No Problem!

These enhanced features are optional & your weather station will function as a standalone unit without connecting to the app.

OPTION 2

STANDALONE STATION (NOT CONNECTED)

Full Weather Station Features
Monitor your backyard temperature, and humidity information on the easy-to-read LCD display.

Click here to go to your standalone station's features!

OPTION 1

CONNECT TO LA CROSSE VIEW™

DOWNLOAD

Visit the App Store or Google Play Store to download the free La Crosse View™ app on your mobile device.

CHECK YOUR NETWORK

Confirm that your mobile device is connected to a 2.4GHz Wi-Fi Network before you connect your station

LAUNCH

Open the app on your iOS or Android device.

FOLLOW INSTRUCTIONS

The La Crosse View™ app will walk you through creating an account and automatically sets your time & local forecast.

Make Sure Your Station is Ready to Connect

When connecting to the app, ensure the Wi-Fi Indicator icon is blinking. If it is not, perform a Wi-Fi search by pressing & holding the + & - buttons together.

OPTION 2

STANDALONE STATION

STATION SETUP

To enter the setup menu, hold the **SET** button.

Press and release the **-** or **+** buttons to make adjustments.

Push the **SET** button to confirm.

SETUP ORDER

1	**2**	**3**
Beep (ON/OFF)	12/24 Hour Time Format	Hour
4	**5**	**6**
Minutes	Year	Month
7	**8**	**9**
Date	Temperature (°F/°C)	Connection Prompt*

*Note: This prompt is a reminder that the app is necessary to connect (optional).

CAN I CONNECT LATER?

Of course! You can always connect your station to the app. See the full manual for more details.

STEP 3: MOUNTING BASICS

At this time, all of your sensor information should be displayed on your station. Here is a quick tip for mounting your sensor:

THERMO-HYGRO

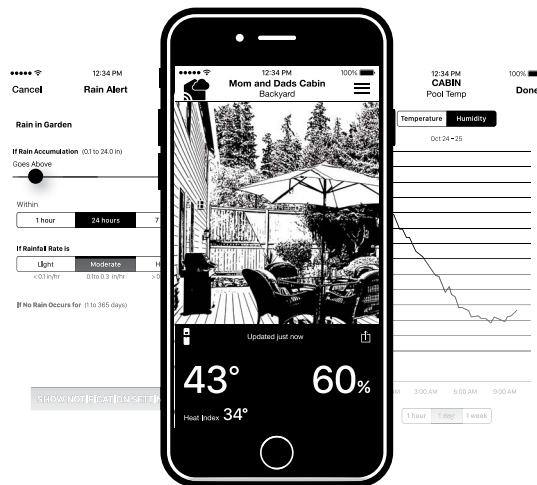**Keep out of direct sunlight & ensure the sensor is well-ventilated.**

We recommend mounting under a deck or eave facing north.

INTRODUCING

La Crosse View™

Connecting You to Your Home Anytime, Anywhere.

TAKE YOUR STATION TO THE NEXT LEVEL!

ON-THE-GO
HOME MONITORING
Check Current Indoor/Outdoor Readings, View History Charts, and More

SUPERIOR
APP EXPERIENCE
Use Your Own Photos and Receive Free Push Notifications on the New, Easy-to-Navigate App

ENHANCED
DISPLAY FEATURES
Receive Local National Weather Service (NWS) such as Forecast & Precipitation on Your Color Display

FRIENDS & FAMILY
SHARED ACCOUNTS
No Need to Share Logins or Passwords!

Invite Friends & Family to Download the App & Monitor Your Home's Data

Wi-Fi Network Requirements

In order for your station to connect to your Wi-Fi, it will need to meet the following requirements:

• Confirm that your mobile device is connected to a 2.4GHz (802.11 b/g/n) Wi-Fi Network before you connect your station.

• Weather station power cord use is required for Wi-Fi connection.

IOS Requirements:
Mobile device with iOS 8.0 (or higher) with cellular or Wi-Fi service

Android Requirements:
Mobile device with Android OS 4.1 (or higher) with cellular or Wi-Fi service

Tips:
- Do not use public Wi-Fi networks.

- Your weather station and mobile device must be within 10 feet of each other during setup.

- Hold the PLUS and MINUS buttons together for 3 seconds to have your station search for your Wi-Fi.

- If you change your Wi-Fi network, hold the ALERTS and LIGHT buttons together for 5 seconds to complete a factory restart. This will reset the Wi-Fi settings so you can connect to your new network.

Note: Your station may take up to 3 minutes to reacquire you sensor.

Note: in the event of a power outage, or your station being unplugged temporarily, your station should automatically reconnect to your existing Wi-Fi network.

Note: Weather station power cord use is required.
Batteries operation only, will not update sensor or Wi-Fi data.

Wi-Fi Indicator:

Solid: indicates that your Wi-Fi connection is good.

Flashing: Searching for connection

Not displayed: Not Connected

One, two or three bars: Wi-Fi signal strength.

La Crosse View™ Offers:
Expanded Forecasts from National Weather Service (NWS)

NWS (National Weather Service) Daily HI | LO temperature
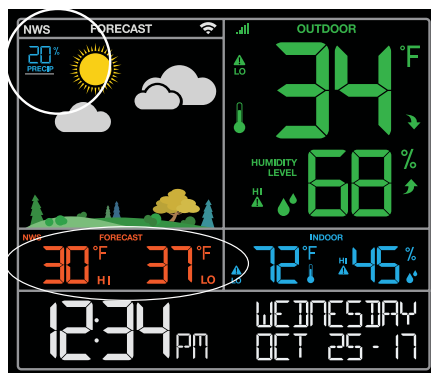**Note:** When not using the App, the daily HI | LO will come from your outdoor sensor.

NWS Chance of Precipitation
The letters NWS will show in the forecast area

NWS Additional Forecast Icons
Standard Icons: • Sunny • Partly Sunny • Clouds • Rain • T-Storm • Snow
Additional Icons: • Windy • Light Rain • Severe T-Storm • Light Snow • Wintry Mix • Blizzard • Fog • Ice

New Data Stream Technology

Use the Data Stream Menu in the La Crosse View™ app to select up to 4 items to stream on your station.

1. Open the La Crosse View™ app and select your station.

2. Scroll down to the Data Stream section and press the blue icon.

3. Follow the app's instructions to add the "Data Streams" you'd like displayed on your station

Allow a few minutes for all the data to show on your station.

Data Stream Items:
National Weather Service (NWS)
Selectable Forecast on Your Display
(Wind, Snow, & Sky Conditions, probability of Thunderstorms, Hail or Tornados)

National Institutes of Standard and Technology (NIST)
Automatically sets Time and Date Based on Your Zip Code
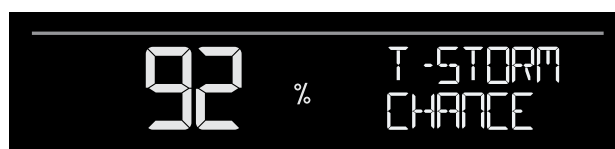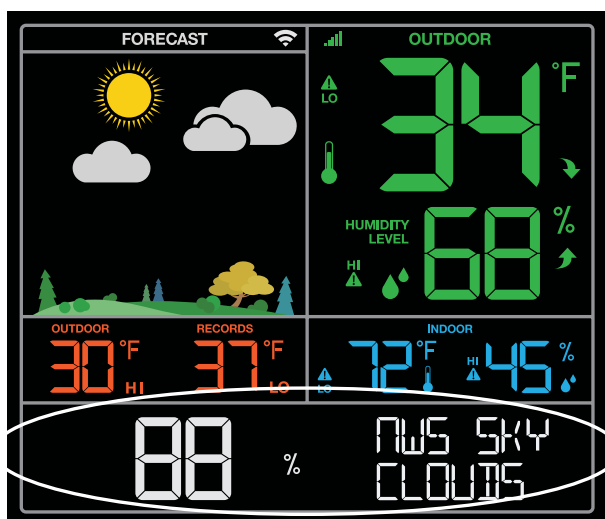
Personal Message
Enter Up to 20 Characters for Special Events or Reminders

View Compatible Sensor Readings
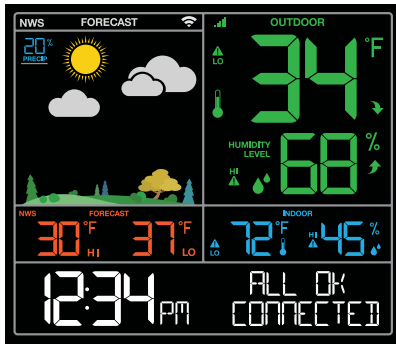No Need to Limit Yourself to Just Your Existing Sensors
Add Additional Sensors to Expand Your System
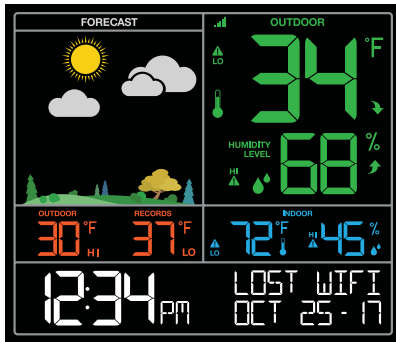
Simple Status Messages

Your station has built in status messages for your convenience. Press and release the SET button to view.

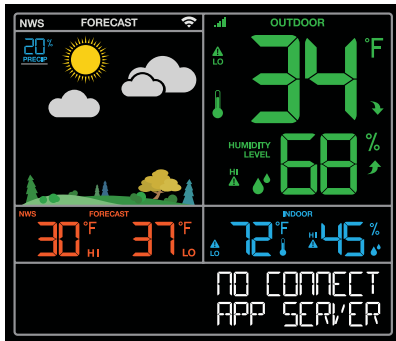**Note:** Only one relevant status message will display.

"ALL OK CONNECTED"

- Your station is connected, there are no problems.

"LOST WIFI"

- Check your power cord connection. (must use power cord to connect)
- Check your router connection (use 2.4GHz)
- Check your network connection.
- Hold the + and - buttons together for 3 seconds to search for Wi-Fi

"NO CONNECT APP SERVER"

- The Wi-Fi router connection is working.
- Check your connection to the La Crosse View app.
- Is there an update to install?
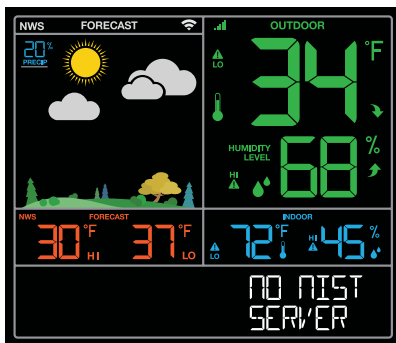
"NO NIST SERVER"

- This indicates an error on the NIST server.
- Your time will be maintained by your weather station until the NIST updates resume.
- The NIST will resolve this.
- Very rare to have this error.
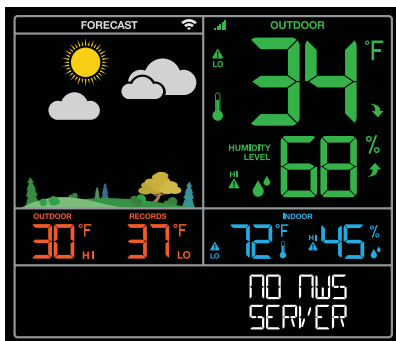
"NO NWS SERVER"

- This indicates and error on the NWS server.
- NWS Expanded Forecast, Wind Direction, and selected data streams will not update or show.
- The NWS will resolve this.
- Very rare to have this error.

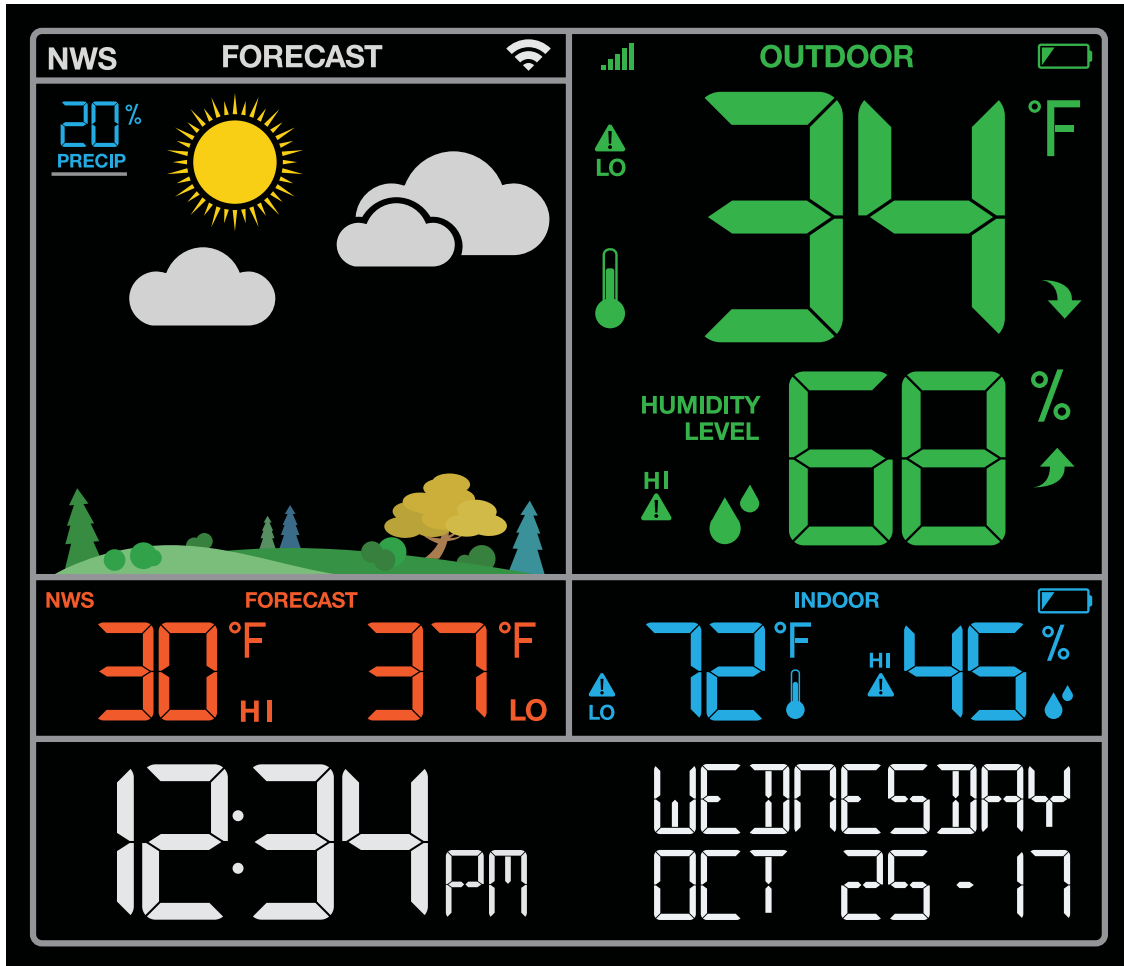# Your Station's Features - Standalone or Connected

NWS	NWS Forecast Information: Precipitation, HI | LO, Wind Direction, etc.
Weather Forecast Icons	
Wi-Fi Connection Icon	
Low Battery Icons	
Sensor Reception Icon	

Trend Arrows

°F Fahrenheit or Celsius - Temperature

% Percentage - Relative Humidity

Relative Humidity Icon

Temperature Icon

Standalone station's can only display time and date information as shown here

Connected station's offer the ability to display custom data, controlled with the La Crosse View™ app

Detailed Sensor Set Up and Mounting

LTV-TH2 Thermo-Hygro Sensor
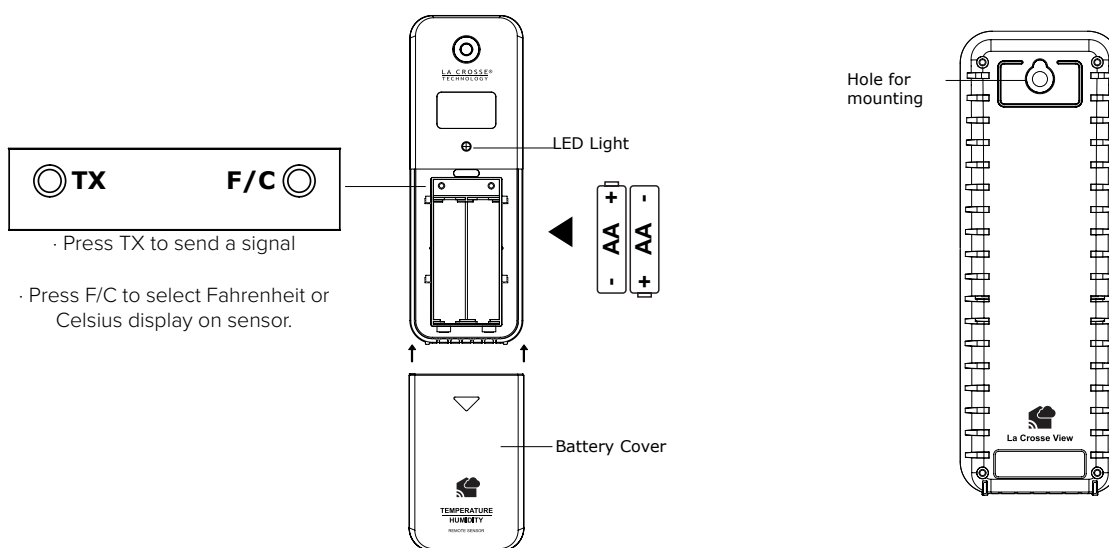
1. Slide the battery cover off the front of your sensor.
2. Install 2-AA batteries according to polarity and replace battery cover.

Mounting:
1. Use the hole at the top to hang your sensor from the back using a nail.
Or, insert one mounting screw through the front of your sensor.

2. Mount your sensor on a north-facing wall or in any shaded area. Under an eave or deck rail is preferred.

3. The maximum wireless transmission range to the weather station is up to
400 feet (121 meters) in open air, not including walls or floors.

4. Be sure your sensor is mounted vertically, to allow moisture to drain out properly.

TX   **F/C**

· Press TX to send a signal

· Press F/C to select Fahrenheit or
Celsius display on sensor.

LED Light

Battery Cover

TEMPERATURE
HUMIDITY
REMOTE SENSOR

Hole for
mounting

La Crosse View

C84343
1. Insert the power cord into a wall outlet then into your station.
Optional: insert 3 AA batteries into your station to maintain time/date in the event of a power outage.

Mounting:
1. Place your station near an outlet. Power cord is required for operation.

2. Use the mounting holes on the back to place your station on a wall.

3. Use the pull down stand on the back of your station to place on a desk or counter.

4. Your station should remain in good Wi-Fi range of your wireless router to use all the
remote monitoring options using the La Crosse View™ app.

For more information on manually setting you weather station see .

Power Cord

DC 5.0V

+ AA -
- AA +
+ AA -

Optional
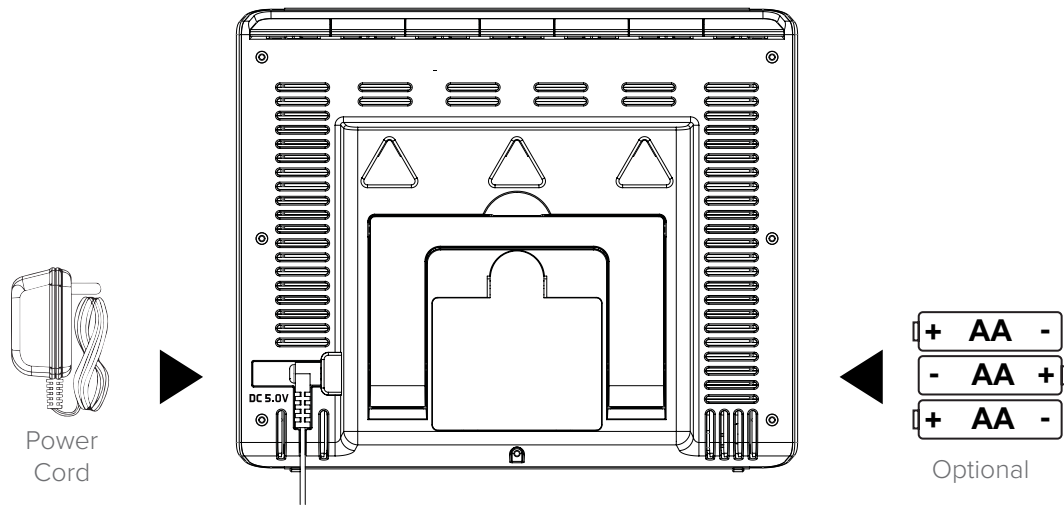
Alerts: Temperature | Humidity

Programmable Temperature and Humidity alerts keep you on top of changing conditions.

To set alerts:
1. Hold the ALERTS button to enter alert set mode

2. Outdoor LOW temperature alert OFF will show.

3. If you wish to set this alert value, press the + or – buttons to arm this alert (ON).

4. When the alert is armed (ON) press and release the ALERTS button and the alert value will flash.

5. Press the + or – buttons to change the alert value.

6. Press the ALERTS button to confirm and move to the next alert.

7. If you do not wish to set an alert, press the ALERTS button again to move the next alert.
(When the alert is OFF (disarmed) press ALERTS button to skip setting that alert value).

8. Press and release the ALERTS button until you get to the alert you wish to set.

9. To set the alert, first press the + or – buttons to turn the alert ON (armed).

10. When the alert is armed (ON) the alert value will flash (no additional button press)

11. Press the + or – buttons to change the alert value.

12. Press the ALERTS button to confirm and move to the next alert. Or press the LIGHT button to exit.

Alert Setting Order:

- Outdoor LOW Temperature ON/OFF
- Outdoor LOW Temperature Value
- Outdoor HIGH Temperature ON/OFF
- Outdoor HIGH Temperature Value

- Outdoor LOW Humidity ON/OFF
- Outdoor LOW Humidity Value
- Outdoor HIGH Humidity ON/OFF
- Outdoor HIGH Humidity Value

- Indoor LOW Temperature ON/OFF
- Indoor LOW Temperature Value
- Indoor HIGH Temperature ON/OFF
- Indoor HIGH Temperature Value

- Indoor LOW Humidity ON/OFF
- Indoor LOW Humidity Value
- Indoor HIGH Humidity ON/OFF
- Indoor HIGH Humidity Value

Arm | Disarm Your Alerts

1. Hold the ALERTS button to enter alert set mode

2. Press and release the ALERTS button to select the alert you wish to arm or disarm

3. Press the + or − buttons to arm this alert (ON) or disarm (OFF) your alert.

4. Press the LIGHT button at any time to exit alert setting mode.

- The alert icon will show when the alert is active.

Alert Sounds

• When your armed alert value is reached, station will beep 5 times each minute, until out of alert range.

• The flashing alert icon will indicate a LO or HI alert.

• Press any button to stop the temp alert sound.

• The alert icon will flash while value is in alert range but no longer sound.

• Disarm the alert to stop the alert entirely.

HI | LO Temperature/Humidity Records

Press and release the TEMP button to view your HI and LO records with time and date of occurrence.
A new HI or LO record will replace the existing record.

Viewing order:
• Outdoor HI Temp with Time/Date
• Outdoor LO Temp with Time/Date
• Outdoor HI Humidity with Time/Date
• Outdoor LO Humidity with Time/Date

• Indoor HI Temp with Time/Date
• Indoor LO Temp with Time/Date
• Indoor HI Humidity with Time/Date
• Indoor LO Humidity with Time/Date

• Heat Index
• Outdoor Dew Point

Note: Heat Index and Dew Point are not Time/Date stamped.

Reset HI | LO Temperature/Humidity Records

1. Press the TEMP button to view individual readings.

2. Hold the MINUS button for five seconds to reset the individual value.

3. HI | LO reading will reset to current temperature, humidity, and current time/date.

Daily HI | LO Temperatures

• When your station is connected to the La Crosse View™ app, you will
see NWS FORECAST over the HI | LO temperatures.

• This indicates the daily HI | LO values displayed are from the National Weather Service.

• When you operate your station as a standalone unit, the daily HI | LO
readings comes from your outdoor sensor.

•The daily HI | LO temperatures cannot be reset.

Note: The NWS Forecast of HI or LO
temperatures will not match the HI and LO
temperature from your sensor or
on the La Crosse View™ app.

Temperature | Humidity Trend Arrows

• Your temperature (2°F / 1°C) and humidity (3%) trend indicators (arrows) update every 15 minutes.

• The trend reflects changes over the past one hour period.

UP ARROW: Temperature/Humidity is rising

DOWN ARROW: Temperature/Humidity is falling

Sensor Search | Sensor ID   ▪▂▃▄▅

Each of your sensors has an individual ID number, located on its bar code.
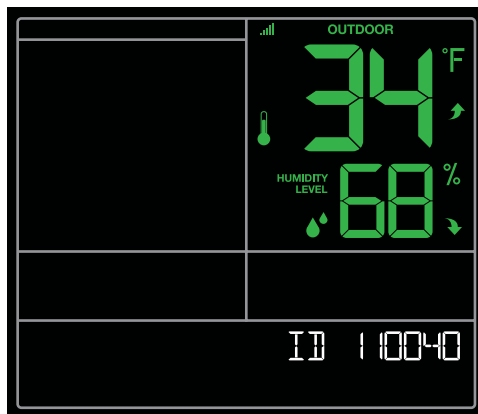This sensor ID is visible on your station by pressing the SENSOR button.

View ID numbers:
• Press and release the SENSOR button to view your station and
sensor ID numbers. All other information will disappear temporarily.

Search for all sensors:
• While viewing sensor ID, hold the SENSOR button for 3 seconds to search for your sensor.

• The station will search for your sensor ID numbers on the station.
Note: Add-on sensor ID's will only show in the La Crosse View™ app.

• The sensor reception icon will flash for each sensor while searching.

• The sensor reception icon will be solid when sensor signal is acquired.

• Allow up to 3 minutes to receive sensor signal.

View Sensor ID Number   Deleted Sensor ID Number
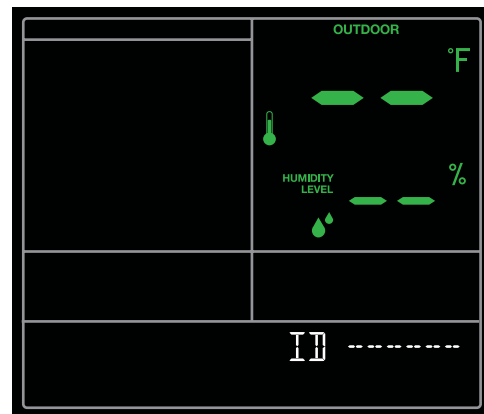
Delete Your Sensor ID

In the rare event you need to replace your sensor, you will first need to
delete the old sensor ID from your station.

1. Remove batteries from your old sensor.

2. Press and release the SENSOR button to view your sensor ID number.

3. While viewing your sensor ID, hold the MINUS button for 5 seconds
to delete your old sensor ID. Dashes will show for the ID number.

4. Your station will search for a new sensor.

5. Install batteries in your new sensor and allow up to three minutes for
your new sensor readings and ID to appear on your station.

6. Press the TX button (under the battery cover) to send a signal immediately.

◎TX   F/C◎
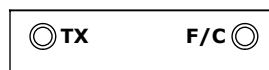
Seasonal Changes in Foliage

The tree foliage will change seasonally on your weather station. The dates are programmed into your weather station for an automatic foliage change.

Spring

March 20th — June 20th

Summer

June 21st — Sept. 20th

Autumn

Sept. 21st — Dec 20th

Winter

Dec 21st — Mar 19th

Backlight Brightness (5 levels)

Your station has 5 levels of brightness for the backlight:

• When operating with the AC adapter press and release the LIGHT button to adjust the backlight: Intensity Levels: 0% | 3% | 20% | 50% | 100%

• When operating on battery power only, press the LIGHT button to activate the backlight for 10 seconds at 100%.

Low Battery Icons

• Battery by Outdoor Temperature, replace batteries in your Thermo-Hygro sensor.

• Battery by Indoor Temperature, replace batteries in your station.
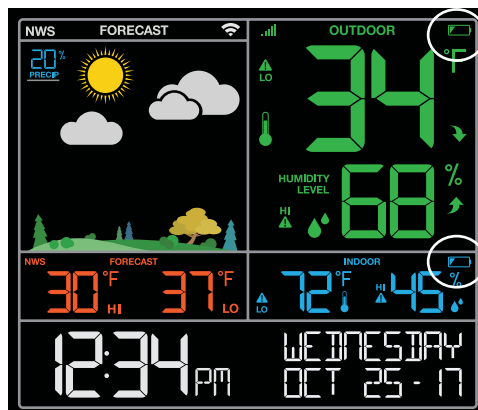
Settings Menu C84343

When operating as a standalone station, you can manually adjust your stations settings
**Note:** When using the La Crosse View app, time and date will be set automatically.

1. Hold the SET button for 3 seconds to enter settings menu.

2. Press and release the + or - buttons to adjust the flashing values. Hold to adjust quickly.

3. Press and release the SET button to confirm and move to the next item.

Note: Press and release the LIGHT button any time to exit settings.

Settings menu order:

1. BEEP ON | OFF

2. 12h/24h hour format

3. Hour

4. Minutes

5. Year

6. Month

7. Date

8. Temperature Fahrenheit | Celsius
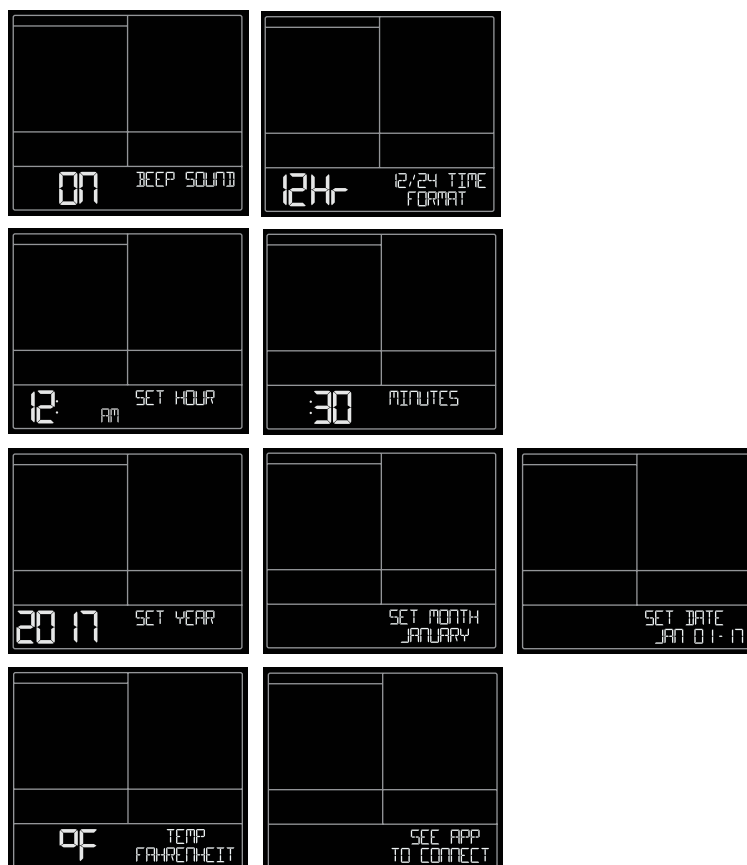
Note: SEE APP TO CONNECT will show as a reminder to connect to La Crosse View™ (optional).

• Press the LIGHT button to exit Settings Menu.

Factory Reset C84343

A Factory Reset will remove all sensor ID numbers and Wi-Fi settings and return your station to default settings.

1. Hold the ALERTS and LIGHT button together for 5 seconds.

2. Your station will reset and search for all sensors.

3. Allow up to 3 minutes to reacquire you sensor.

4. You will need to reconnect to your La Crosse View™ app by following the steps on page 4.

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 Be Social!

Follow us on our social media outlets for the latest promotions, product support, and awesome giveaways.

Specifications

Indoor	
Temperature Range:	32°F to 122°F (0°C to 50°C)
Humidity Range:	10% RH to 99%RH

Thermo-hygro Sensor	
Temperature Range:	-40°F to 140°F (-40°C to 60°C) **Note:** Temperatures below -20°F (-29°C) require Lithium batteries in the outdoor sensor.
Humidity Range:	10% RH to 99%RH
Transmission Range:	Up to 400 feet (121 meters) in open air, RF 915 MHz

Wi-Fi	
Transmission:	RF 2.4 GHz

Power	
C84343 Station:	5.0 Volt 500mA power cord included (Required) AC6 HX06-0500600-AU-001
Optional Battery Backup:	3-AA batteries included, backup for time and date
LTV-TH2 Thermo-hygro Sensor:	2-AA batteries included

Battery Life	
C84343 Station:	48-60 months with power cord use
LTV-TH2 Sensor:	over 24 months with reputable batteries.

Dimensions	
C84343 Station:	7.80" L x 1.23" W x 6.44" H (19.81cm L x 3.12 cm W x 16.35cm H)
LTV-TH2 Thermo-hygro Sensor:	1.97" L x 0.75" W x 5.73" H (5.0cm L x 1.91cm W x 14.55cm H)

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.

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: 1-844-200-8452

Online Product Support and Registration: www.lacrossetechnology.com/support

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.

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

Made in China - Printed in China