

V61 (C75716) FAQs

We are weather enthusiasts like you and know proper running equipment is important. These FAQs provide valuable information on setup, positioning, and troubleshooting your station.

We recommend Adobe Reader version 10 or greater available at: <http://get.adobe.com/reader>

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GENERAL INFORMATION

LA CROSSE VIEW APP: HOW DO I CONNECT?

MOBILE DEVICE REQUIREMENTS

iOS Requirements:

Mobile device with iOS with cellular or Wi-Fi service

ANDROID Requirements:

Mobile device with Android OS with cellular or Wi-Fi service

ANDROID OS12 Wi-Fi Connection:

Because of the Wi-Fi connection setting updates native to Android OS12, you may need to use an alternate method to get your La Crosse Technology display connected to your Wi-Fi network. A full list of possible solutions and updates can be found on our support page here: https://bit.ly/os12_wifi

Please Note: This is just for the Wi-Fi connection process. The La Crosse View app and all its amazing features are fully functional on Android devices running OS12.


DOWNLOAD

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

LAUNCH & FOLLOW

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

GET YOUR STATION READY

Ensure your station's Wi-Fi Indicator  is flashing. If it is not, press and hold the Plus (+) and Minus (–) button down together until it begins flashing. This tells you that your station is ready to connect.

HAVING TROUBLE CONNECTING?

Make sure your mobile device is connected to your router's separate 2.4GHz Wi-Fi network, and that you have correctly entered your Wi-Fi password.

For more troubleshooting tips and support visit:

www.lacrossetechnology.com/lacrosseviewsupport

When connecting your station, we highly recommend following along with our detailed support videos, found here:

[Bit.ly/LaCrosseView_Support_Playlist](https://bit.ly/LaCrosseView_Support_Playlist)

ARE THERE OTHER CONNECTION OPTIONS?

WPS Option: If you followed the instructions in the app and cannot connect your station to the app, you can try connecting via WPS if your router has a WPS button.

1. Activate WPS on your router. This can be done using a dedicated WPS button on the router itself and/or through your router's app or browser-based admin panel. Please consult your router's manual for specific instructions as these can vary by model.

Once WPS is activated on your router, you will typically have about 2 minutes to complete the next step.

3. On your La Crosse Technology display, press and hold down both the SET and MINUS (–) buttons together for about 5 seconds. You should hear a beep and the display will enter WPS mode, allowing it to connect to your router automatically.
4. After this process is initiated, your router should begin communicating directly with the La Crosse Technology display. If successful, you should notice updated Internet time, date, and weather forecast information as well as a solid Wi-Fi Indicator shortly after the display connects.

HARDWARE: SENSORS AND STATION

Your V61 / C75716 station comes with:

LTV-WSDTH04 Sensor with Wind Speed, Wind Direction, Temperature and Humidity

LTV-R3 Rain Sensor

Both sensors transmit at 915MHz.

WHAT ARE THE POWER REQUIREMENTS FOR THIS STATION?

LTV-WSDTH04: 3 “AA” batteries

LTV-R3: 2 “AA” batteries.

V61 / C75716: 5 volt power cord (required) and CR2032 batteries for backup of your time and date. Battery operation only will not update sensor or Wi-Fi data. Power cord is required.

SETUP AND MOUNTING

SETUP: HOW DO I SETUP MY STATION?

Your station is a fully functional standalone station.

1. Insert 3 “AA” batteries into the LTV-WSDTH04 sensor.
2. Insert 2 “AA” batteries into the LTV-R3 sensor.
3. Install 5 volt power cord into outlet, and into the station. Remove the insulation tab from the CR2032 battery in your station.
4. Let sensor and station sit within 10 feet of each other for several minutes to lock the sensor signal to the display.

Once the sensor is connected, you can choose to connect to the La Crosse View™ app or continue to use as a standalone station. You can always connect later if you choose.

MOUNTING: WHERE DO I MOUNT/POSITION MY SENSORS?

LTV-WSDTH04:

- Place your wind sensor two times higher than any large object within 50 feet. Wind does not pass through hard objects; it is distorted by them. If your sensor is too close you will measure the air turbulence and not actual wind speed.
- Place away from trees. Wind passing through trees moves slower than wind in open areas.
- Mount your sensor in a vertical position with the wind cups on top.
- Maximum transmission distance from your multi-sensor to your station, in open air is 400 feet (121.92meters).
- Use the included mounting bracket or your own mounting pole (no more than 1 inch outer diameter to fit). Secure to the sensor with screws provided. Tighten the screws to snug (do not over tighten).
- Solar panel must face South to provide correct Wind Direction.
- General Wind Sensor mounting video: http://bit.ly/wind_sensor_mounting

LTV-R3:

- Mount the Rain Sensor horizontally and ensure its level.
- The sensor should be mounted more than 3 feet above ground.
- Your Rain sensor needs to be in an open area for accurate readings.
- Make sure the base of your Rain Sensor is not in a depression.
- This Rain Sensor has drainage holes in the bottom to allow it to self-empty.
- View sensor mounting video at: bit.ly/Rain_SensorMounting

WHERE TO I PLACE MY STATION?

Your station is designed for flexible placement on a desk or countertop, or to position on the wall. When the stand is closed, it provides wall mounting holes.

- Position within reach of an outlet that is always active. Some outlets in living rooms and in bedrooms may only be active when the light switch is on.
- This station must operate with the 5 volt power cord to receive sensor updates and/or to update Wi-Fi data when connected. Operation on battery power will only maintain time/date settings if you need to move your station.
- Best reception occurs when only one wall is between your station and each sensor outside.
- Position you station six feet from other electronics and wireless devices. If you suspect RF (radio frequency) interference, simply move your weather station a few feet.

WHAT IS DISTANCE | RESISTANCE | INTERFERENCE?

Distance:

- The maximum transmitting range in open air is over 400 feet (121.92 meters) between each sensor and your station.
- Consider the signal path from your station to each sensor as a straight line.
- Consider the distance the station is from other electronics in the home.

Resistance:

- Each obstacle: walls, windows, vegetation, stucco, concrete, and large metal objects will reduce the effective signal range by about one-half.
- Mounting your sensors on a metal fence can significantly reduce the effective signal range.

Interference:

- Consider electronics in the signal path between the sensors and your station.
- Simple relocation of the sensors or the station may correct an interference issue.
- Windows can reflect the radio signal.
- Metal will absorb the RF (radio frequency) signal.
- Stucco held to the wall by a metal mesh will cause interference.
- Transmitting antennas from: ham radios, emergency dispatch centers, airports, military bases, etc. may cause interference.
- Electrical wires, utilities, cables, etc. may create interference if too close.

WEATHER STATION READINGS


WHAT IS THIS EXTRA SENSOR AREA?


Explanation: The Extra Sensor area is a place to show up to 4 additional, compatible, sensors on the station itself. These sensors may also be scanned to your La Crosse View App.

So, if you want extra Temperature/Humidity sensors, you can display them here.

If you do not have or want additional sensors, this area will show you the Barometric Pressure from your weather station's internal Pressure Sensor.

Optional Extra Sensors: Up to 4 additional Thermo-Hygro, Wind Speed, Water Leak, Pool, BBQ, or any combination of these sensors can read to the EXTRA SENSOR area of your display. Simply press and release the EXTRA SENSOR button to view these sensors or turn on Auto Scroll.

Cycle Mode (Autoscroll)  :

Auto-scroll: Press the EXTRA button to toggle through sensors. The last item will show AUTOSCROLL, and the icon . If the user cycles through again and Auto-scroll is off, you will just see the first sensor connected, then toggle through Pressure and the other sensors as usual.

Note: Not all sensors will read to the station. Be sure to check the chart to see if a sensor can read to the app only, or both station and app.

HOW DO I ADD EXTRA SENSORS TO MY STATION?

1. Hold the EXTRA SENSOR button 3 seconds, to add a sensor to the station.
2. Install batteries in the sensor, and if the sensor has a TX button, press the TX button to force a signal.
3. Allow up to 3 minutes to view sensor and ID on station.
Note: Once sensor is found the search will stop. Sensor, ID, and type will show for 3 seconds then return to normal display.
4. Scan sensor bar code ID so it will read in the La Crosse View app.
5. Added sensors will be available for display in Extra Sensor area of station.

HOW DO I DELETE EXTRA SENSORS FROM MY STATION?

1. Press and release the EXTRA SENSOR button until you see the sensor and ID you wish to delete.
2. Hold the MINUS (-) button for 3 seconds to delete this sensor. The sensor readings and ID will show dashes.
3. Sensor will no longer show in the Extra Sensor area.

HOW DO I ADD SENSORS TO MY APP?

Open your La Crosse View app to add sensors. Watch the video for adding devices to the La Crosse View app: http://bit.ly/LaCrosseView_Support_Vid_10

1. From Main Menu - select "Devices" under "Add/Edit"
2. On Edit Devices page - select "ADD DEVICE"
3. Scan Device ID - Scan the bar code on your sensor or choose "ADD MANUALLY" to type in the number on the bar code. Select "CONTINUE".
4. On Confirm Device page - Confirm the sensor image and select "YES"
5. On Enter Device and Location Name page - enter Device Name and select a location or enter a Location
6. Name for your sensor. Select "DONE".

Repeat steps 1-5 for any additional sensors you wish to add.

WIND SPEED, DIRECTION, TEMPERATURE, HUMIDITY

HOW DO I INTERPRET THE CURRENT WIND READINGS?

Wind Speed: Highest wind speed in the past 31 seconds. Samples every 3 seconds

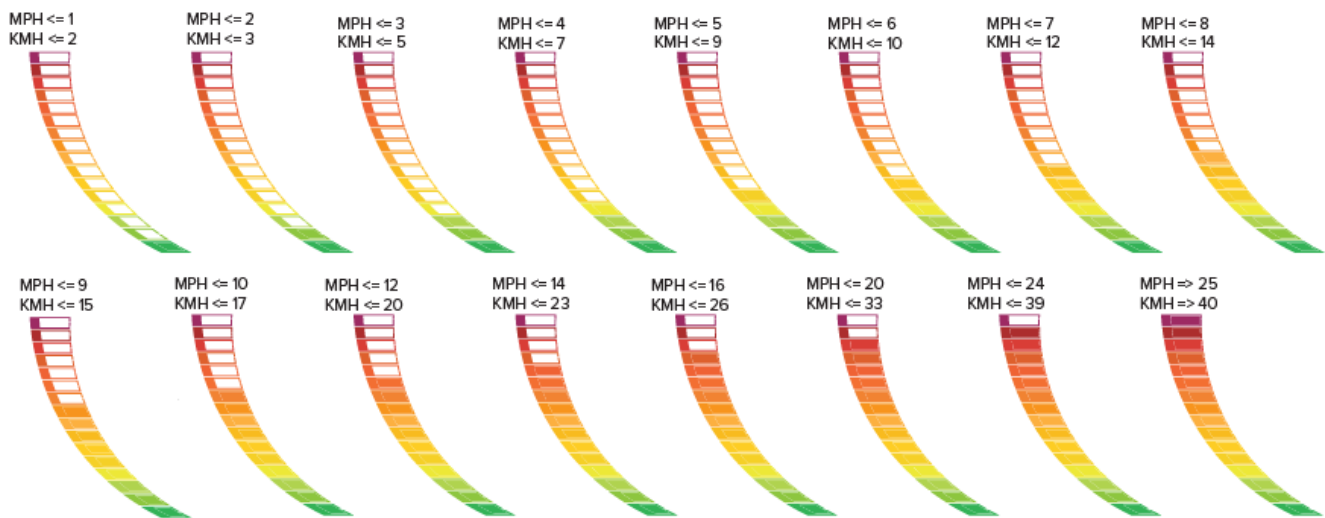
- **Top (1 HR):** Top Wind Speed in the past 60 minute period, from last record (10 minutes a timestamp, total 6 records) (default record no time stamp).

Wind Direction:

- The Current and Prevailing Wind Direction is displayed in letters.
- In the settings section, you can choose the direction to display in degrees.
EX: NNE would read as 30°.

Wind Speed Graph:

- The Wind Speed Graph will color in based on the Wind Speed from the Sensor.



HELP ME UNDERSTAND THE WIND HISTORY READINGS.

In addition to the one hour history which is constantly shown on the station, you can view wind speed history at 24 hours, 7 days, current month, and current year.

Press and release the WIND button to toggle through the Wind Speed History times.

- **1 Hour Top Speed**- Updates each hour and shows the highest wind speed in the past 60 minutes.
- **24 Hour Wind Speed** – Shows the top speed in the past 24 hours from the last record. This is a rolling 24 hour period and not a set midnight to midnight reading. This means it updates each hour to show you the past 24 hours.
- **7 Days** - Shows the top speed in the past 7 days from the last record. This is a rolling 7 day period, not a Monday through Sunday record. Updates at midnight each day.

- **Month** – Shows top wind speed for the current month. Record is from the first day of the month to the last day of the month. When in the middle of the month, it will show the readings from the first day of the month to the last full day. Example: If today is the 15th of the month, the top speed is from the 1st to the 14th. After midnight, the 15th will be included.

Note: Press and release the PLUS (+) button to view up to 11 previous months or history.

- **Year** – Shows top wind speed for the current year. January 1, through December 31st.

HOW DO I RESET THE WIND HISTORY READINGS?

Your wind speed history readings are reset individually.

1. Press and release the WIND button to view the history reading you wish to reset.
2. Hold the MINUS (-) button for 5 seconds to reset that value to current wind speed.
3. Press and release the LIGHT button to exit.

HOW OFTEN DOES MY WIND SENSOR UPDATE?

- Your Breeze Wind Sensor checks for any change in Wind Speed every 31 seconds, with samples every 3 seconds within those 31 seconds.
- Any change of 0.8km Wind Speed will cause the sensor to send the top speed for those 31 seconds.
- If there is no change in wind speed, the sensor will transmit every 3 minutes to preserve battery life.

HOW DO I VIEW MY HI AND LO TEMPERATURE/HUMIDITY READINGS?

Your high and low temperature and humidity readings are recorded with time and date of occurrence. Each time a new high or low reading is recorded, that reading with time and date of occurrence will show.

To view your HI | LO records, simply press and release the TEMP button.

Viewing order:

- Outdoor HI Temperature
- Outdoor LO Temperature
- Outdoor HI Humidity
- Outdoor LO Humidity
- Indoor HI Temperature
- Indoor LO Temperature
- Indoor HI Humidity
- Indoor LO Humidity
- Feels Like HI
- Feels Like LO
- Dew Point

Note: Dew Point does not have a time/date of occurrence.

HOW DO I RESET THE TEMPERATURE/HUMIDITY READINGS?

Your temperature and humidity readings are reset individually.

1. Press and release the TEMP button to view the reading you wish to reset.
2. Hold the MINUS (-) button for 5 seconds to reset individual temperature or humidity value to current temperature, humidity, time, and date.
3. Press and release the LIGHT button to exit.

WHAT IS FEELS LIKE AND DEW POINT TEMPERATURE?

Feels Like temperature indicates both Wind Chill and Heat index on stations with wind speed.

- **Feels Like Temperature shows Wind Chill:** When the temperature is *below* 50°F, and generally a 5 mph sustained wind speed, the Feels like Temperature is showing Wind Chill.
- **Feels Like temperature shows Heat Index:** When the temperature is *above* 80°F, the Feels like temperature is showing the Heat Index.
- **Feels Like temperature shows Current Temperature:** When temperature is between 51°F and 80°F, the Feels like temperature will *remain the same* as the outdoor temperature regardless of humidity or wind speed.

TROUBLESHOOTING THE BREEZE PRO SENSOR

WHY DOES MY SENSOR READ INACCURATELY?

- The thermo-hygro sensor reads the environment. Since your Temperature/Humidity readings come from the Wind/TH sensor they may occasionally be inaccurate if the sunlight hits the sensor.
- If this is a common occurrence you can purchase an LTV-TH2 sensor and replace the Temperature/Humidity Reading from the Wind/TH sensor.


HOW TO REPLACE THE TH READING FROM THE WIND TH SENSOR WITH AN LTV-TH2?

The new Wind Speed, Wind Direction Sensor with Temperature/Humidity may cause inaccurate temperature readings in some locations. Because of this, you have the option to remove the TH sensor reading from the LTV-WSDTH04 and adding an additional TH sensor to read in the OUTDOOR area of the display.

1. Press EXTRA SENSOR button once Station ID will show.
2. Press EXTRA SENSOR button again ID **WTH123 THW SENSOR will show**.
3. Hold the MINUS (-) button for 5 seconds while viewing ID to delete ID WTH123.

To add a separate LTV-TH2 sensor:

- After deleting the TH sensor built into the Wind Sensor (ID: WTH123), press the EXTRA SENSOR button on the station to view ID, then press the TEMP button to search.

- Press the TX button on the add-on sensor.
- Sensor Icon  will show to indicate reading is coming from separate TH sensor.

WHAT DOES A READING OF “HI” OR “LO” MEAN?

- If your outdoor temperature reading shows “HI” or “LO”, check that your [batteries](#) are good.
- Overpowered or underpowered batteries can cause this reading.
- If batteries are good, replace the outdoor sensor.
- If your temperature is fine but your humidity is reading “HI” or “LO” or dashes, your humidity may be below 10% Relative Humidity. Your sensor does not read below 10% humidity.

HOW DO I CHANGE BETWEEN FAHRENHEIT AND CELSIUS?

- On your Temperature/Humidity sensor, open the battery cover and press the F/C button. This will change the temperature display on the sensor only.
- On your station enter the [program menu](#) to select Fahrenheit or Celsius temperature display on the station.

WHY ARE MY WIND CUPS NOT SPINNING?

- Check for debris or ice preventing cups from moving.
- Check mounting location. Look for obstructions that prevent the wind from reaching the sensor.
- In most cases, the wind sensor needs to be 4-6ft above the highest point on the roof to clear nearby obstructions and read accurately.
- A 50-foot clearance in all directions is best.
- Push down firmly on the center of the cups to reseal them.
- Cups are replaceable.

CAN I REPLACE MY WIND CUPS?

Occasionally, a bad storm with hail or debris that will damage your wind cups. These are easily replaced.

Replace wind cups:

1. Loosen the screw on side of cups.
2. Remove cups.
3. Install new cups.
4. Tighten screw.

Note: The screw in the wind cups will fit on the flat side of the metal stem on the sensor.

WIND READING 0.00: WHY DO I ONLY SEE 0.00 FOR WIND SPEED?

The 0.00 means your wind sensor is connected to your station.

- Check that the cups spin freely. Something may be preventing movement.
- Are your wind cups unbroken? After a storm it is good to check this.

WIND DASHES: WHY ARE THERE DASHES FOR WIND READINGS?

First, press the EXTRA SENSOR button on your station to view the ID number for the Station. Compare it to the first six characters on the barcode on the back of the station.

- If they match-Continue with troubleshooting below.
- If they do not match contact support.

In some cases, under long periods of cold and/or dark conditions, the sensor can get stuck in a low power mode of sorts. To kick it back on, simply remove and reinsert the batteries.

However, if this still does not resolve the problem, please try the following steps:

1. Be sure to mount the Breeze Pro Sensor level, with the solar panel facing south, and in an open area to allow for the most sunlight possible.
2. It can help to search for the sensor again by pressing and releasing the WIND button on the display until the orange wind section lights up (usually 3 presses). Then press and hold down the MINUS button until the station beeps and the Reception Icon starts to animate.
3. If step 5 did not work, please try a full factory restart, by pressing and holding the RAIN and ALERTS buttons down together until everything resets. Then remove the power cord from the display and press any button at least 20 times. Wait a few moments before powering the display back up.

Dashes indicate the connection is lost between your station and the wind sensor.

- My first thought is always to check that my [batteries](#) are good. If it has been working and now is not, low batteries are the most common connection problem.
- Next, check your [distance, resistance, and interference](#). If everything was working previously at the same location, this is likely not the issue. However sometimes there is new growth on trees or bushes that cause another barrier. Radio Frequency (RF) signal does not travel well through foliage due to the moisture content.
- Occasionally adding a new wireless electronic device to the home will cross the signal path for the sensor. If this occurs, try moving your station a few feet or turning the station 90 degrees for a better angle to receive the sensor signal.
- Press the EXTRA SENSOR button until you see your sensor ID. Hold the PLUS (+) button for 3 seconds and your station will search for your individual sensor.
- If you regain connection while the sensor is mounted, great. If you do not regain connection, bring the sensor within 10 feet of the station and search again.

WIND AND TEMP INTERMITTANT: WHY DO MY READINGS COME AND GO?

- RF (radio frequency) communication may come and go occasionally. This can be normal in some environments (e.g., moister climates).
- If a sensor goes out, please wait 2-4 hours for it to reconnect on its own. Please be patient – these stations can reconnect on, after many hours out.
- RF (radio frequency) communication is not always 100% on. Certain temporary conditions can cause it to go out for a time (e.g., 100% humidity).
- Check that your sensor is receiving full sun on the solar panel.

If a miss happens:

- If your wind sensor loses connection to the station for any reason, the station will show dashes after 30 minutes.
- The station will search for 5 minutes every hour to reconnect with wind sensor.

Try this:

- Bring your wind sensor within 10 feet of your station and make sure it is connected to the station.
- After 15 minutes move the wind sensor into the next room with a wall between the sensor and the station for 1 hour.
- If there is no loss of signal in that hour, move the wind sensor just outside.
- Continue moving the wind sensor back to its original location.
- If you lose connection, look for sources of [interference](#).

WIND ACCURACY: WHY IS MY WIND SPEED INACCURATE?


- What are you comparing your wind speed to? Your local reporting station is miles from your location and should not be used for comparison.
- Check the unit of measure (MPH, or KMH).
- Check to see if your station receives the same repetitive wind speed recording from the sensor multiple times.
- Check that the cups turn freely.
- Check for obstructions that prevent clear wind flow to the cups.
- Check mounting. In most cases, the wind sensor needs to be 6 feet or more above the highest point on the roof to clear nearby obstructions and read accurately. A 50-foot clearance in all directions is best.
- It is helpful to send pictures of the sensor mounting if you need to contact customer support.

WHY ARE THE SENSOR READINGS ON MY STATION DIFFERENT FROM THE SENSOR READINGS IN THE APP?

- The reading on your station is the “real time” reading. Your station updates as soon as it receives a new reading from the sensor.
- The App updates data every 60-90 seconds.
- Since Wind Speed changes frequently, this is the common difference you may notice between your station and your app.

RAIN READINGS

HOW DO I VIEW THE RAIN READINGS?

1. Press and release the RAIN button to view different rain readings or auto-scroll through them all. The Auto-scroll Icon  will show when active and each rain reading will show for 5 seconds. When Auto-scroll is off, press RAIN to cycle through all readings individually.
2. When viewing MONTH, use PLUS button to toggle through the current month and past 11 months rainfall.

Note: All other readings will disappear for 5 seconds. Rainfall readings will stay on user selection.

- 1 HOUR: Last one hour rain fall. Example: Current time is 6:49, 1HR rain is accumulated total between 5:50 and 6:49.

- 24 HOURS: Based on past 24 hours accumulated rain total. At each full hour, 1HR is recorded. This is a running total.
- 7 DAYS: Accumulated last 7 consecutive 24HR rain. At each day 0:00, 24HR rain is recorded. Not a subject to the calendar. Be sure time is set.
- 1 MONTH: Defined by Calendar Month i.e., January 1 - January 31
Example: January 1-January 31. At the first month calendar day 0:00, month rain is reset to 0. Accumulated rain from 1st of xx (month) to current day xx (month). Current month will show in date area.
- 1 YEAR: **Current month plus past 11 months total.**
Example: current is date is Nov. 10, 2021. Year rain is Jan 1, 2020 –Oct 31, 2021 month totals, plus the current month (Nov 1-10) rain.
- TOTAL: Total rainfall since powered on or reset.

Note: As time passes without rain, the One hour, 24 hour, and 7 day rain totals will count down to zero.

Example: Station recorded 0.4 inches of rain between noon and 1:00pm on the previous day.

- It continued to rain until the 24 hour rain reading from 11:00am today, back to noon the previous day was 1.2 inches.
- Then the 24 hours reading from noon today, back to 1:00pm the previous day shows 0.8 inches. The 0.4 inches of rain from noon-1:00pm on the previous day has dropped off the 24 hour total.

HOW DO I RESET THE RAIN READINGS?

- Press the RAIN button to view individual rain readings.
- Hold the MINUS button for five seconds to reset the individual value.
- Rainfall reading will reset to 0.00.

WHAT ARE DAYS SINCE LAST RAIN?

It does not rain every day in all locations. You may go days without rainfall. Your station is designed to let you know when the last rain occurred.

- After 24 hours of no rainfall, the station will start counting days without rain. Rainfall readings can be viewed by pressing the RAIN button.
- When rain starts it will automatically switch back to last rainfall reading unit.


HOW OFTEN DOES MY RAIN SENSOR UPDATE?

- Your Rain Sensor checks for any change in rainfall every 45 seconds.
- Any change of 0.2mm of rain will cause the sensor to send a reading.
- If there is no change in rainfall, the sensor will transmit every 3 minutes to preserve battery life.

TROUBLESHOOTING THE RAIN SENSOR

WHY DOES MY RAIN READING SHOW 0.00 WHEN IT IS RAINING?


Your Rain Sensor will show 0.00 when it loses connection. 24 hours after it loses connection to the station, you will see DAYS WITHOUT RAIN appear.

- Check that your Rain Sensor Reception Icon is present.  Reception Icon
- If it is not Hold the Rain button to search for your rain sensor.
- Check that your Batteries are good and that, Distance, Resistance, and Interference are not causing signal loss.

WHY DOES MY RAIN READING SHOW “DAYS SINCE LAST RAIN” WHEN IT IS RAINING?

When new rainfall is counted your DAYS WITHOUT RAIN will immediately switch to the last rainfall unit (1 hour, 24 hour etc.) that you previously selected. If this does not happen, you have lost connection to your Rain sensor.

Your Rain Sensor will show 0.00 when it loses connection. 24 hours after it loses connection to the station, you will see DAYS WITHOUT RAIN appear.

- Check that your Rain Sensor Reception Icon is present.  Reception Icon
- If it is not Hold the Rain button to search for your rain sensor.
- Check that your Batteries are good and that, Distance, Resistance, and Interference are not causing signal loss.

RAIN INTERMITTANT: WHY DO MY READINGS COME AND GO?

- RF (radio frequency) communication may come and go occasionally. This can be normal in some environments (e.g., moister climates).
- If a sensor goes out, please wait 2-4 hours for it to reconnect on its own. Please be patience – these stations can reconnect on, after many hours out.
- RF (radio frequency) communication is not always 100% on. Certain temporary conditions can cause it to go out for a time (e.g., 100% humidity).

If a miss happens:

- If your rain sensor loses connection to your station for any reason, the station will show dashes after 30 minutes.
- The station will search for 5 minutes every hour to reconnect with rain sensor.
- Be sure you have good [batteries](#). Manually search for your sensor.

Try this:

- Bring your rain sensor within 10 feet of your station and make sure it is connected to the station. Your station will show 0.00 for rain when connected and no rain has occurred.
- After 15 minutes move the rain sensor into the next room with a wall between the sensor and the station for 1 hour.
- If there is no loss of signal in that hour, move the rain sensor just outside.
- Continue moving the rain sensor back to its original location.
- If you lose connection, look for sources of [interference](#).

RAIN LOW: WHY IS MY RAINFALL READING LOW?

- Low rain readings indicate the rain sensor and station are connected.
- Check that the rocker tips freely.
- Check the funnel and the inside of the rain sensor for insect nests or debris that may cause loss of rocker motion.
- Be sure to mount the rain sensor level.

Complete a Tip Test:

Write down the Total Rain reading or reset the Rain Total to 0.00. With rain sensor mounted slowly pour water into the funnel to tip the rocker of the rain sensor 10 times. Wait at least 2 minutes for all the rain to collect. Repeat three times.

- Compare these tests. If they are the same, then your rain is reading correctly. If the rain readings are different, repeat the test 3 times to avoid human error. Then look for causes such as mounting too tight or debris clogging the funnel.

RAIN HIGH: WHY IS MY RAINFAL READING HIGH?

- Check for sources of RF (radio frequency) interference such as other wireless rain sensors, ham radios or electric transformers.
- Keep the station six feet from cordless phones or wireless routers etc.

Complete a Tip Test:

Write down the Total Rain reading or reset the Rain Total to 0.00. With rain sensor mounted slowly pour water into the funnel to tip the rocker of the rain sensor 10 times. Wait at least 2 minutes for all the rain to collect. Repeat three times.

- Compare these tests. If they still read high then contact support.

HOW CAN I CLEAN MY RAIN SENSOR?

1. Remove rain funnel (open locking tabs on both sides and pull off funnel)
2. Gently remove debris or insects inside the rainsensor.
3. Clear debris from drain vents.
4. Clear debris from the rain funnel.
5. Reinstall the rain funnel.

Note: Do not oil the rain sensor.

WHAT CAN I DO WITH MY RAIN SENSOR IN THE WINTER?

- Your Rain Sensor and all your sensors are designed to be outside all year around.
- Since your Rian Sensor cannot accurately count snowfall, many people choose to cover it in the winter, or take it down, remove the batteries and store it until spring.

ALERTS

DOES THIS STATION HAVE ALERTS?

You may set Wind, Rain, Temperature and Humidity alerts on your station.

- Alerts are defaulted to be OFF.
- The alerts menu is in the order listed below.
- When alert is ON, the alert value flashes to be set. No additional button press required.
- Leave an alert OFF (disarmed) press the ALERT button to skip setting that alert value.
- The HI or LO alert icon will show when the alert is active.
- When armed alert value is reached, station will beep 5 times each minute, until out of alert range. The flashing Alert Value and Icon will indicate it is 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.

Alert Setting Order:

- High Wind Speed Value 0-111.8 (0-178kmh)
- 24 Hour Rainfall
- Outdoor HI Temperature
- Outdoor LO Temperature
- Outdoor HI Humidity
- Outdoor LO Humidity
- Indoor HI Temperature
- Indoor LO Temperature
- Indoor HI Humidity
- Indoor LO Humidity

Set Alerts:

1. Hold the ALERTS button 2 seconds to enter Alert Settings. (ALERT OFF and Alert Type will show for selected area)
2. Press and release the + or – button to turn alert ON.
3. When the alert is ON, the alert value is flashing. Use the + or – buttons to set.
4. Hold the + or – buttons to scroll quickly.
5. Press and release ALERTS button to move to next item.
6. Leave an alert OFF (disarmed) and press the ALERTS button to skip setting that alert value.
7. The alert icon will show when the alert is active.
1. When armed alert value is reached, station will beep 5 times each minute, until out of alert range. (1 second beep once, sound for 5 seconds, wait 55 seconds and then repeat began to ring for 5 seconds.)
2. The flashing Alert Icon will indicate if it is a LO or HI alert.
3. Press any button to stop the temp alert sound. The alert icon will flash while value is in alert range.

TIME: DOES THIS STATION HAVE ATOMIC TIME?

- **Standalone station:** When operating as a standalone station, the time needs to be set manually on this station.
- **Connected to the La Crosse View™ app:** When operating as a connected station the time and date will update from the Internet. Your station checks with the View Weather Server at least 4 times per day.

BUTTON FUNCTIONS.

1. ALERTS button

Normal Time Display-

- Hold the ALERT button 2 seconds to enter Alert Settings.

Alerts Mode-

- Press to confirm & move to the next alert.

Factory Reset-

- Hold **ALERTS** and **RAIN** buttons together for 5 seconds to reset all sensor ID's and WI-FI settings. Beep will sound even if BEEP is OFF in the program menu. Station will return to "out of box" new condition. All records will be lost. Customer will **not** need to remove battery to restart station.

2. WIND button

Normal Display-

- Press and release to view top wind speed history records with time and date stamp:
- Hold to search for Wind sensor in parked position.

Station and Wi-Fi versions

- From a normal display **hold** the EXTRA SENSOR & TEMP buttons together for 2 seconds to view the station Firmware Version for 3 seconds, followed by the WI-FI Module Version for 3 seconds. Beep will sound even if BEEP is OFF in the program menu.

Wind Record Mode-

- Hold MINUS button 5 seconds to delete individual wind record readings.

3. – (MINUS) Button:

Normal Time Display-

- Hold +/- buttons together sounds beep and deletes current SSID and Password. Then initiates SoftAP provisioning mode.

Settings-

- Press to decrease values during setting.
- Hold 2 seconds to quickly adjust values.

Sensor Mode (viewing sensor ID's)-

- Hold 5 seconds to delete sensor ID.

History Records Mode-

- Hold 5 seconds to delete individual records.

Alerts Mode:

- Press to arm or disarm an alert.

WPS:

- Hold SET & MINUS Press and Hold sounds beep and initiates WPS provisioning mode.

4. **+(PLUS) Button:**

Normal Time Display-

- Hold +/- buttons together sounds beep and deletes current SSID and Password. Then initiates SoftAP provisioning mode.

Setting Mode-

- Press to increase the values by one.
- Hold 2 seconds to quickly adjust values.

Alerts Mode:

- Press to arm or disarm an alert.

SoftAp:

Hold SET & PLUS together - Press and Hold sounds beep and Initiates SoftAP mode.

5. **SET button:**

Normal Time Display-

- Hold for 2 seconds to enter setting mode for time, date, etc.
- Press and release to check for connection status updates.

WPS:

Hold SET & MINUS Press and Hold sounds beep and initiates WPS provisioning mode.

SoftAp: Hold SET & PLUS together - Press and Hold sounds beep and Initiates SoftAP mode.

6. **EXTRA SENSOR button**

Normal Time Display-

- Press and release to view individual station ID and sensor IDs in parked position & in Extra Sensor Area on weather station.

Sensor Mode (viewing sensor ID):

- Hold the - MINUS button for 5 seconds to delete the sensor and ID.

Hold to Add Extra Sensors.

- Hold the EXTRA SENSOR button to add additional sensors if there is an open spot. Beep will sound even if BEEP is OFF in the program menu.

Station and Wi-Fi versions

- From a normal display **hold** TEMP & EXTRA SENSOR buttons together for station and WIFI firmware for 2 seconds to view the station Firmware Version for 3 seconds, followed by the WI-FI Module Version for 3 seconds. Beep will sound even if BEEP is OFF in the program menu.
- Press the LIGHT button at any time to exit.

7. TEMP button-Outdoor Temp/humidity sensor

Normal Time Display-

- From normal display, press and release the **TEMP** button to view indoor and outdoor HI LO temperature/humidity records and Feels Like and Dew Point.
- Hold to search for TH sensor in parked position.

Temp Mode-

- Hold MINUS button 5 seconds to delete individual temp/humidity readings.

Station and Wi-Fi versions

- From a normal display **hold** TEMP & EXTRA SENSOR buttons together for station and WIFI firmware for 2 seconds to view the station Firmware Version for 3 seconds, followed by the WI-FI Module Version for 3 seconds. Beep will sound even if BEEP is OFF in the program menu.
- Press the LIGHT button at any time to exit.

8. RAIN button

Normal Display-

- Press and release to view rain readings:
- Hold to search for Rain sensor in parked position.

Rain Mode-

- Hold MINUS button 5 seconds to delete individual rain readings.

9. FORECAST button:

Normal Time Display-

- Press and release to view 12 HOURLY forecasts and 7 DAILY forecasts.
- Hold 2 seconds to scroll through all 12 HOURLY forecasts and 7 DAILY forecasts.
- **Lost connection to weather service:** Press button and station will say WAIT FOR WEATHER
- **Not Connected:** Press button and station will say CONNECT TO WI-FI.
- **While Scrolling:** Press to stop scroll and return to normal display.

10. LIGHT button:

Normal Time Display-

- Press to change the LCD backlight brightness (5 levels)
- Hold to set Auto Dim start/stop time.

Setting Modes-

- Press to exit any setting mode.

11. WIFI button

- **Press-** Sounds beep and Initiates SoftAP mode.
- **Hold for 10 seconds-** Sounds beep and deletes current SSID and Password. Then initiates SoftAP provisioning mode. After the 1 hour timeout the unit will no longer sign into the last known SSID and Password.

HOW DO I MANUALLY SET THE TIME?

When operating as a standalone station, you can manually adjust your station's settings:

1. Hold the SET button 2 seconds to enter settings mode.
2. Press the + or - button to adjust the flashing values.
3. Hold the + or - button to adjust quickly.
4. Press the SET button to confirm adjustments and move to the next item.
5. Press the LIGHT button at any time to exit.

Settings Order:

- Greeting HELLO
- Language (English, Spanish, French, & German)
- Beep ON/OFF
- 12HR/24HR
- Hour
- Minute
- Year
- Month
- Date
- Month/Date or Date/Month
- Fahrenheit/Celsius
- Decimal or No Decimal
- Pressure Units INHG or HPA
- Pressure Number
- Wind Speed MPH or KMH
- Wind Direction Letters or Degrees
- Rainfall Inches or Millimeters
- THANK YOU

Note: Units in the settings menu reflect how sensors will show on the station and which units are shown in Data Stream. This includes the Extra sensors. I.E. When Fahrenheit is selected-Fahrenheit on station and in Data Stream.

Settings Menu

1. On startup or if you hold the SET button for 2 seconds to enter setting mode. HELLO, will show for two seconds, then automatically move to language. **ENGLISH** will show. Press the + or - button to change to another language (Español, Français or Deutsch). Press the SET button to select Beep ON/OFF.
2. **BEEP OFF** will show. Press the + or - button to turn beep sound OFF. Press the SET button to move to 12/24 hour time.
3. **12/24 FORMAT** will show. 12HR flashes. Press the + or - button to turn select 24 hour time format.
4. Press SET to confirm and move to the hour. **HOURL** will show. The hour flashes. Press the + or - button to choose the hour.
5. Press SET to confirm and move to the minutes. **MINUTES** will show. Minutes flash. Press the + or - button to choose the minutes.

6. Press SET to confirm and move to the year. The **YEAR 2021** will show. Year will flash. Press the + or - button to change the year.
7. Press SET to confirm and move to the month. The **MONTH** will show. The Month will flash. Press the + or - button to change the month.
8. Press SET to confirm and move to the date. **DATE** will show. Date will flash. Press the + or - button to change the date.
9. Press SET to confirm and select Month/Date or Date/Month display. The **MONTH/DATE** will show. Press the + or - button to select DATE/MONTH.
10. Press SET to confirm and move to the temperature unit. **FAHRENHEIT** will show. Press the + or - button if you prefer Celsius.
11. Press SET to confirm and move to the temperature Decimal Choice. **TEMP DECIMAL** will show. Press the + or - button if you prefer TEMP NO DECIMAL.
12. Press SET to confirm and move to pressure units. **BAROMETRIC PRESSURE** will show. **INHG** will flash. Press the + or - button to select HPA.
13. Press SET to confirm and move to adjust pressure number. **BAROMETRIC PRESSURE** will show. **Pressure number** will flash. Press the + or - button to adjust pressure number.
14. Press SET to confirm and move to wind units. **WIND SPEED** will show. **MPH** will flash. Press the + or - button to select KMH.
15. Press SET to confirm and move to the wind direction. **WIND DIR LETTERS** will show. **NNE** will flash. Press the + or - button to select DEGREES.
16. Press SET to confirm and move to the rain units. **RAIN** will show. **INCHES** will flash. Press the + or - button to select MILLIMETERS.
17. Press SET to confirm. **THANK YOU** shows for 2 seconds, then exit the setting menu.

Note: After 10 seconds with no button press, station returns to normal time display.

OTHER WEATHER STATION FEATURES

BACKLIGHT: DOES THIS STATION HAVE A BACKLIGHT?

Yes, your station has a backlight with 5 levels of intensity.

- Press and release the LIGHT button to adjust the backlight intensity or to turn it off.
- Intensity levels: 0% (OFF) | 1.5% | 20% | 50% | 100%

WHAT IS AUTO DIM?

You can set your backlight to automatically dim to level 1 at a set hour for sleeping, then automatically return to full brightness when you wake.

Set Auto Dim (Hour only):

1. Hold the LIGHT button 2 seconds to enter dimmer set mode. AUTO DIM OFF will show.
2. Press the + or – buttons to turn dimmer (ON). AUTO DIM ON will show.
3. Press the LIGHT button to select start time (Hour) for dimmer. AUTO DIM START TIME and the hour will flash.
4. Press the + or – buttons to change the hour for the dimmer to be low light level.
5. Press the LIGHT button to select start time for dimmer to be on High light level. AUTO DIM STOP TIME and the hour will flash.
6. Press the + or – buttons to change the hour for the dimmer to be high light level.

7. Press the LIGHT button to confirm exit.

Note: Hold LIGHT button at any time to exit dimmer settings.

CAN I OPERATE MY STATION ON BATTERY POWER ONLY?

- No, the 5 volt power cord is required for your sensors to update.
- When you operate as a connected station, the 5 volt power cord is required to maintain Wi-Fi connection and sensor updates.

BATTERY: WHAT DO THE BATTERY ICONS MEAN?

- A battery icon will appear near your WIND reading when you need to change the battery in your wind sensor.
- A battery icon will appear near your RAIN reading when you need to change the battery in your rain sensor.
- A battery icon will appear near your TIME reading when you need to change batteries in your station.
- A battery icon will appear in the Extra Sensor area, when you need to change the battery in your extra sensor.

WEEKDAY: HOW DO I CORRECT THE DAY OF THE WEEK?

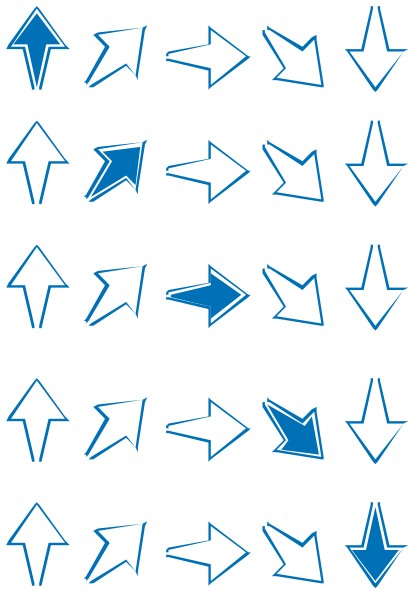
- When operating as a **standalone** station, the day of the week will set when the Year, Month, and Date are set. If your day of the week is incorrect, yet the month and date are correct, please go the [program menu](#) and check the YEAR setting.

DOES THIS STATION HAVE 12 HOUR AND 24 HOUR TIME OPTIONS?

- Yes, you can select 12 hour or 24 hour time format in the [program menu](#).

WHY ARE THERE OUTLINES ON ARROWS BY MY PRESSURE READING?

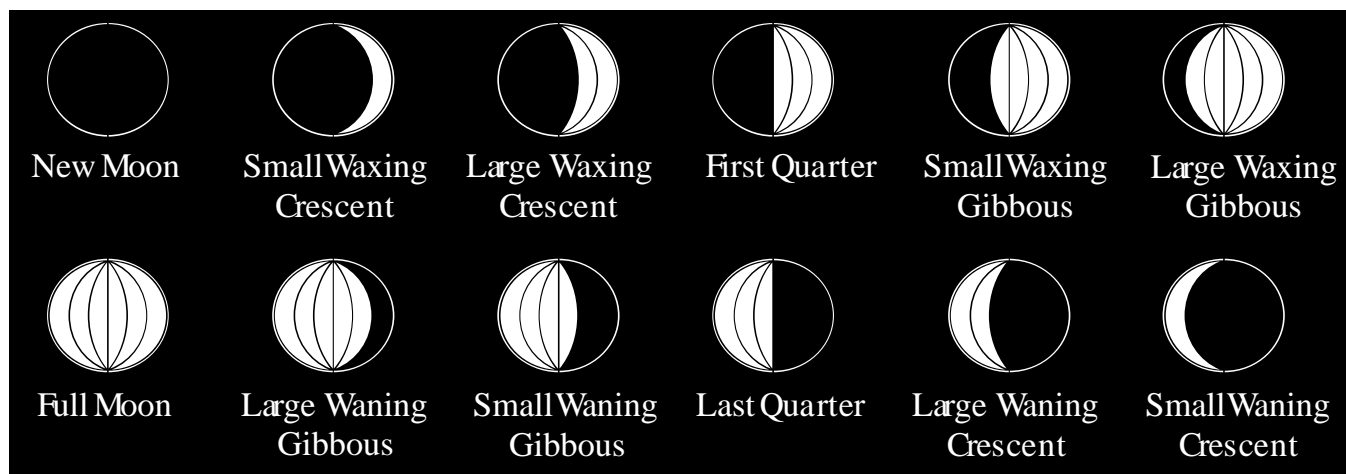
The Pressure Trend Arrows will always be outlined. The active icon will be full.



Rapid increase in Pressure	Pressure is rising more than 2 hPa in the past 3 hours
Slow increase in Pressure	Pressure is rising 1 hPa to 2 hPa in the past 3 hours
Steady Pressure,	Pressure range varies from -1 hPa to +1 hPa in the past 3 hours
Slow decrease in Pressure	Pressure is falling 1 hPa to 2 hPa in the past 3 hours
Rapid decrease in Pressure	Pressure is falling more than 2 hPa in the past 3 hours

WHY DOES THE MOON PHASE SHOW WHEN IT IS STORMING?

The station will show Moon Phase in the forecast area from 7:00pm to 6:59am whether operating as a standalone or connected station. The Moon Phase will during all Forecast options, not just if Sunny or Partly Sunny.



The Sun Icon will show between 7:00am and 6:59pm only when Sunny or Partly Sunny is forecasted. So, we will have a day and night forecast whether operating as a standalone or connected stations.

Standalone Station: When operating as a standalone station, the forecast icons predict weather condition over the next 12-hours based on the change of atmospheric pressure with about 70-75% accuracy. As weather conditions cannot be 100% correctly forecasted, we are not responsible for any loss caused by an incorrect forecast.

Forecast Icons for standalone station:

- Sunny
- Partly Sunny
- Cloudy
- Rain
- T-Storm
- Snow

Note: The “snow” icon appears when the temperature is below 32°F (0°C) and the forecast is rainy or stormy.

- Your station calibrates barometric pressure based on its location over time to generate an accurate, personal forecast. Please allow 7-10 days for barometer calibration.

Note: As the Station builds memory, it will compare the current average pressure to the past forty day average pressure for increased accuracy. The longer the Station operates in one location the more accurate the forecast icons will be.

CONNECTED FORECAST FEATURES

ADVANCED FORECAST ICONS

Connected Station: When your station is connected to the La Crosse View™ app you will see an additional 8 forecast icons from AccuWeather. Your forecast will update multiple times per day. Between the hours of 7:00pm and 6:59am, your station will also show Moon Phase in the forecast area.

Additional forecast icons when connected:

- Windy
- Light Rain
- Severe T-Storm
- Light Snow
- Wintry Mix
- Blizzard
- Ice
- Fog

Internet Indicator will show in the Forecast area. 📶

Day Forecast Connected:



Night Forecast Connected:



IMPORTANT:

There may be small discrepancies between data displayed on your station and data shown through other AccuWeather services, such as their website and/or mobile app. This is common, as there are differences in the timing in which forecast data is fetched by these items. Our connected weather stations will receive forecast updates at least 4 times daily.

ACCUWEATHER HOURLY & DAILY FORECAST

- Press the FORECAST button to view 12 HOURLY forecasts and 7 DAILY forecasts.
- Hold 2 seconds to scroll through all 12 HOURLY forecasts and 7 DAILY forecasts.
- Each forecast will show for 2 seconds.

Internet Indicator will show in the Forecast and HI/LO areas. 📶

WAIT FOR WEATHER will show if the station is currently updating. Wait a few minutes and try again.

ACCUWEATHER HI/LO TEMPERATURES

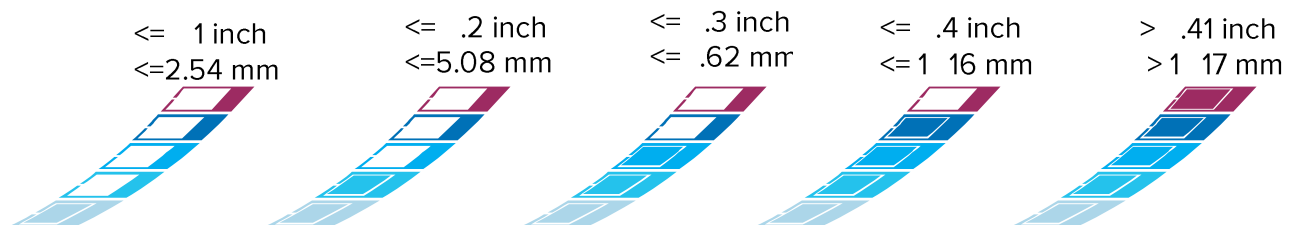
The High and Low Temperature will come from the server when connected (📶) and the Breeze sensor when not connected. Or from the TH sensor when not connected.

- **Percent (chance)** of Precipitation and **Amount** of Precipitation Graph will come from the server and show when connected.
- **24 Hour Rainfall** will show from the Rain sensor when not connected.

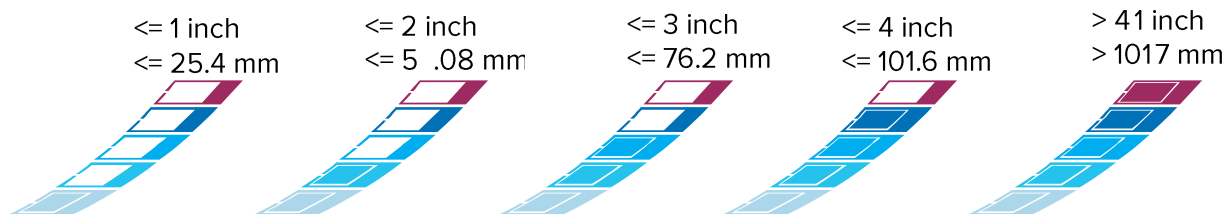
Precipitation Graph:

When connected, the Precipitation Graph will color in based on the rain or snow from the weather server.

RAIN



SN



CUSTOM DATA STREAMS

When connected you can customize the Data Stream with Text Messages or AccuWeather information.

AccuWeather Information:

Wind Speed • Wind Direction • Wind Gust • UV Index • Percentage of Clouds • Sunrise Time • Sunset Time • Snow Accumulation • Moon Rise Time • Moon Set Time • Probability of T-Storms, Tornado, or Hail • Mold Risk • Air Quality and more!

Text Messages

Enter up to 20 characters for special events or reminders, such as:

- SOCCER TONIGHT • ICE CREAM IN FREEZER • GREAT JOB MATH TEST or anything you can think of!

To select Data Stream items:

1. Open the La Crosse View™ app and swipe until you find your station's device page.
2. Scroll down to the Data Stream section and press the blue stream icon in the upper right.
3. Follow the app's instructions to customize your "Data Stream" to display on your station

Note: Allow up to 10 minutes for new Data Stream selections to appear on your station.

WHY DOES "LOST WIFI", ETC., SHOW ON MY STATION?

When operating as a **standalone** station, you will occasionally see the words SEE APP TO CONNECT or LOST WIFI.

- SEE APP TO CONNECT appears at start up is a prompt to connect to the La Crosse View™ app.
- LOST WIFI again refers to your station searching for a WIFI connection to connect to the La Crosse View™ app. You station has found a Wi-Fi service and is awaiting a password.
- These statements should only flash for a few minutes then disappear.
- They may show again for a few minutes if you restart the station or press and release the SET button.

When **connected** you will have these and other status messages available with a press of the SET button.

ALL OK CONNECTED:

- Station is connected all the way through to your app.

LOST WIFI:

- Check your 5 volt power cord connection (power cord required to connect)
- When trying to reestablish your station's Wi-Fi connection, be sure your mobile device is on the same 2.4GHz network you want your station to use.
- Enter your Wi-Fi password again.
- Check your network connection.
- Hold the SET and + buttons together for 3 seconds to search for Wi-Fi.

NO WEATHER SERVICE:

- Wi-Fi, and App are fine.
- Weather/Time service not connecting. This will be resolved at the Weather Server. Please be patient.
- Weather Forecast, Precipitation and Weather HI/LO temperature will not be displayed.

Note: If connection to app is lost: The last readings from the Internet will remain for up to 3 hours to allow connection to reestablish on its own.

TROUBLESHOOTING

BAR CODE: WHAT ARE THE BARCODES AND ID NUMBERS ON MY SENSORS ON MY STATION?

- Did you know that your sensors will “lock” into your station?
- This ensures that the sensor readings are from your sensor and not a neighbors’.
- When you press and release your EXTRA SENSOR button you will see your Station ID, your Thermo-Hygro sensor ID, your Wind Speed sensor ID.
Note: If you have Extra Sensors connected to you station you will also see these ID’s.
- The sensor ID on the station should match your first six numbers on the barcode of that sensor.
- These sensors will remain locked to your station until you manually delete them.
- The barcodes are also important identifiers for the La Crosse View™ app if you choose to connect.

CAN I CHECK THE VERSION NUMBER OF MY FIRMWARE AND WIFI?

1. From a normal display hold the EXTRA SENSOR & TEMP buttons together for 2 seconds to view the station Firmware Version for 3 seconds, followed by the WI-FI Module Version for 3 seconds.
2. Press the LIGHT button at any time to exit.

HOW DO I DELETE SENSOR ID NUMBERS?

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 EXTRA SENSOR button to view your sensor ID number.
3. While viewing your sensor ID, hold the (-) button for 5 seconds to delete your old sensor ID. Dashes will show for the ID number.
4. Your station will automatically begin searching for the 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.

FACTORY RESET: HOW DO I FACTORY RESET MY STATION?

- A factory reset will delete all sensor ID numbers and if connected, remove all Wi-Fi connections.
- Basically, this is a great way to return your station to “out of the box” condition.
- This is more effective than removing all power for clearing out the station.
- All history records will be removed, so write down anything you want to keep.

To factory reset your station:

1. Hold the RAIN and ALERTS buttons together for 5 seconds.
2. When your station resets it will look for all sensors. Allow at least ten minutes to reacquire the sensors.

Note: If operating connected, you would need to reconnect to Wi-Fi from the app.