

# LA CROSSE® TECHNOLOGY

## Wireless Forecast Station with Colored LCD Display



## Welcome!

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Congratulations on your new Color Forecast 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  
Model: WW85777v2  
DC: 040219

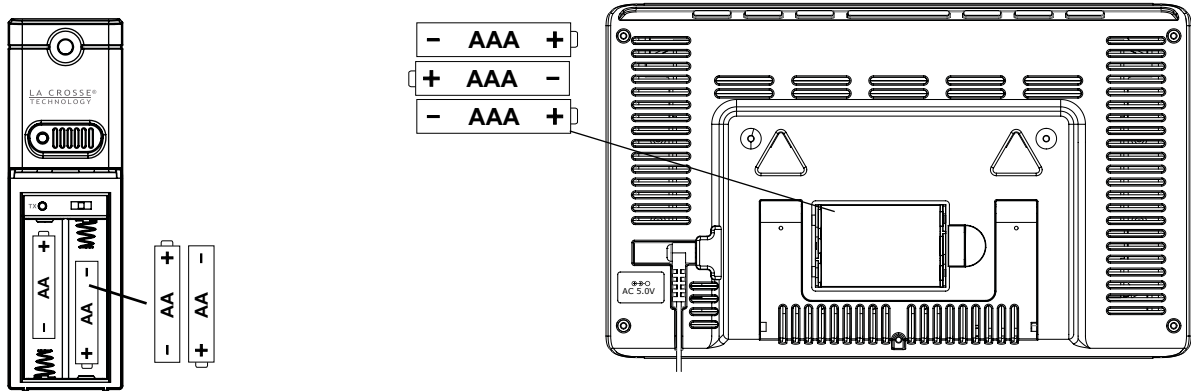
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## **STEP 1: Power Up**

### **Insert batteries (in any order):**

- 2-AA batteries into thermo-hygro sensor
- 5 volt power cord (required) into WW85777v2 station
- \*3-AAA batteries for optional backup of your time and date



## **STEP 2: Mounting Basics**

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

- Keep out of direct sunlight & ensure the sensor is well-ventilated.
- We recommend mounting under a deck or eave facing north.
- Insert the mounting screw through the front of the sensor and into the wall.
- Tighten the screw to snug (do not over tighten).
- Be sure the outdoor sensor is mounted vertically to drain moisture.
- The maximum wireless transmission range is over 330 feet (100 meters) in open air, not including walls or floors.

## **STEP 3: Set Time, Date, etc.**

You can manually adjust your station's settings:

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

## Settings order:

1. Beep ON/OFF
2. Atomic ON/OFF
3. Time Zone
4. DST Indicator
5. 12/24 Hour Time Format
6. Hour
7. Minutes,
8. Year
9. Month
10. Date
11. Fahrenheit/Celsius
12. Language English | Español

## Time Zones

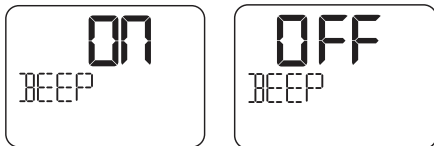
AST	Atlantic
EST	Eastern
CST	Central
MST	Mountain
PST	Pacific
AKT	Alaskan
HAT	Hawaiian

**Note:** When Atomic OFF is selected, you will move next to 12/24 hour time.

**Note:** The weekday will set automatically as the year, month, and date are set.

**To begin:** Hold the SET button 2 seconds, then release, to enter the settings menu:

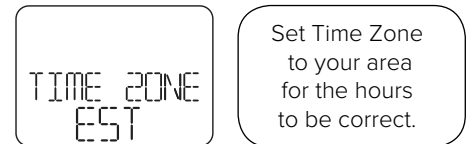
### 1. BEEP ON | OFF



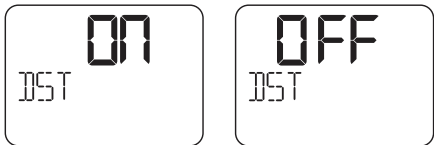
### 2. Atomic ON | OFF



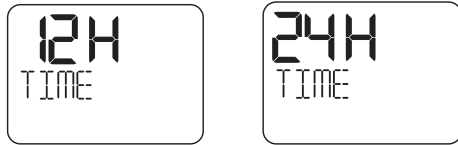
### 3. Time Zone



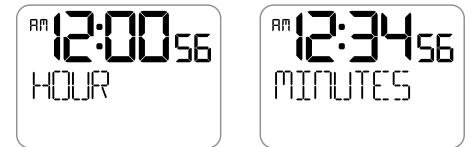
### 4. DST ON | OFF



### 5. 12Hour | 24 Hour



### 6. Hour | 7. Minutes



### 8. Year



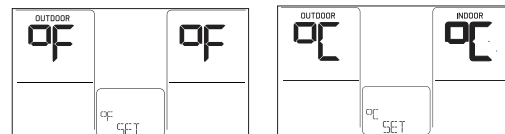
### 9. Month



### 10. Date



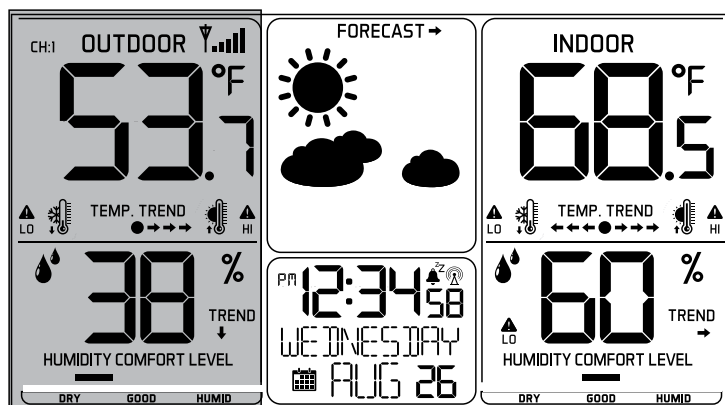
### 11. Fahrenheit | Celsius



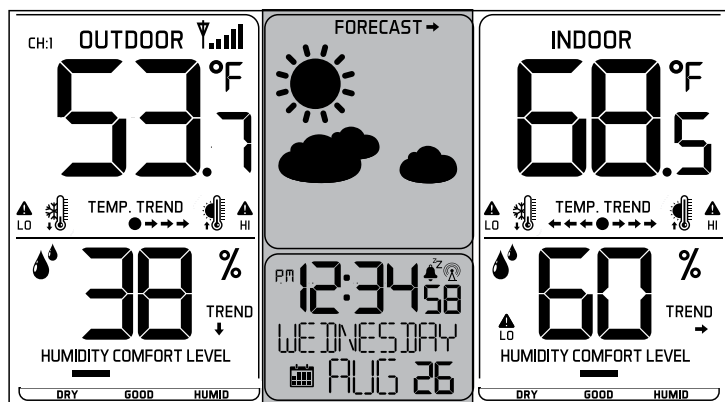
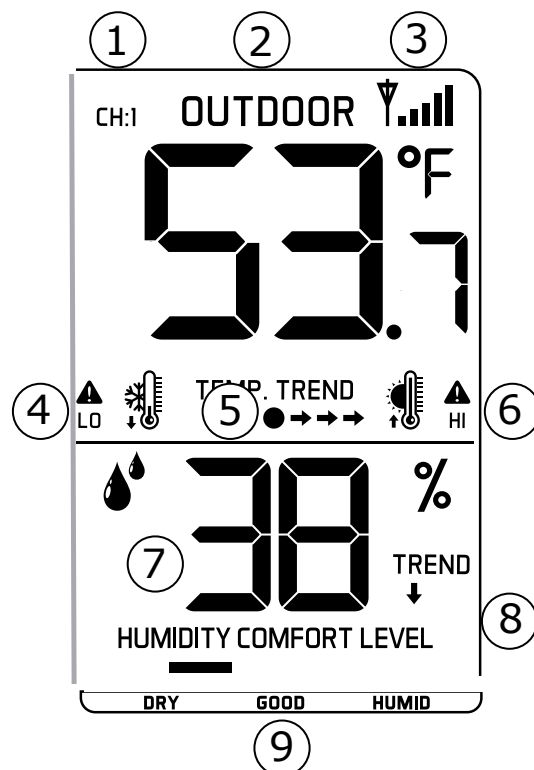
### 12. English | Español



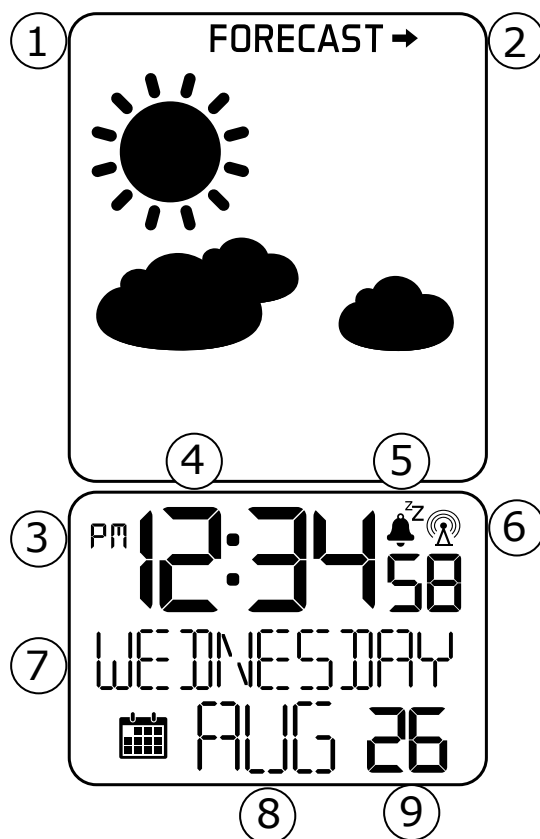
## Your Weather Station Features

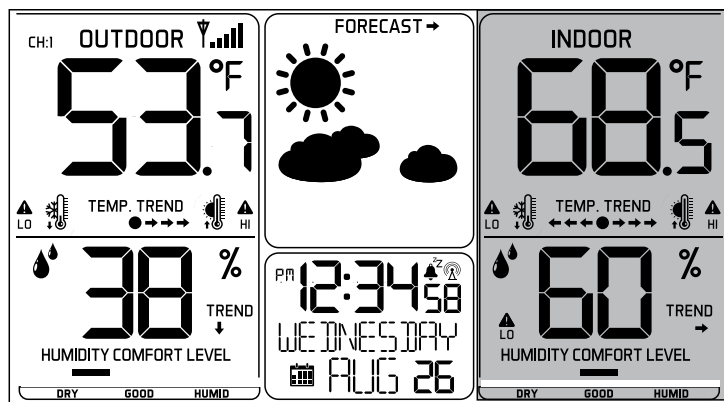


- ① Channel Indicator
- ② Outdoor Temperature
- ③ Sensor Reception Icon
- ④ Outdoor Temperature LO Alert
- ⑤ Temperature Trend Indicator
- ⑥ Outdoor Temperature HI Alert
- ⑦ Outdoor Humidity
- ⑧ Humidity Trend Arrow
- ⑨ Humidity Comfort Level

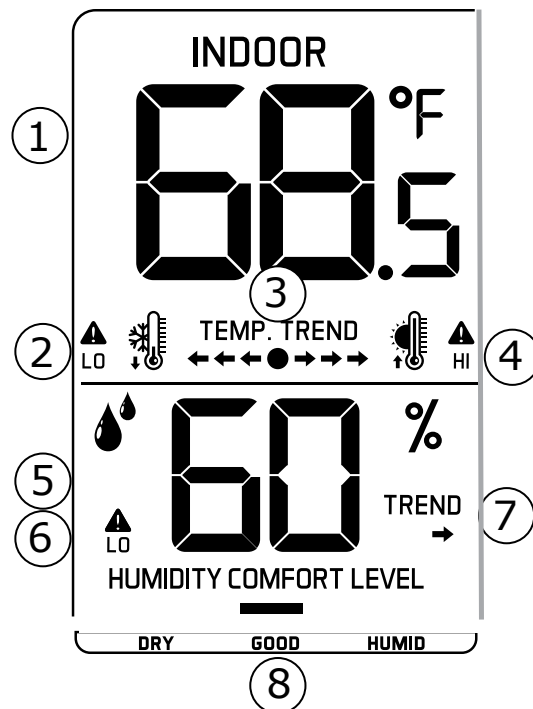


- ① Forecast Icons
- ② Forecast Trend Arrow
- ③ AM | PM
- ④ Atomic Time
- ⑤ Alarm | Snooze
- ⑥ Atomic Reception Tower
- ⑦ Weekday
- ⑧ Month
- ⑨ Date





- ① Indoor Temperature
- ② Indoor Temperature LO Alert
- ③ Temperature Trend Indicator
- ④ Indoor Temperature HI Alert
- ⑤ Indoor Humidity
- ⑥ Humidity LO Alert
- ⑦ Humidity Trend Arrow
- ⑧ Humidity Comfort Level



## Atomic Time

- From normal time display, press and release the SET button to search for the WWVB time signal.
- Please be sure you have selected your time zone from the list in the Settings menu. When the Atomic time signal is received, the station will set to the time zone selected. Default is Eastern Time.
- For information about WWVB visit: <http://bit.ly/AtomicTime>

## Backlight (HI-LOW-OFF)

- When operating with the power cable, the backlight is adjustable: HI-LOW-OFF.
- Press and release SNOOZE/BACKLIGHT to adjust backlight.
- When operating on batteries only, the backlight will come on briefly when the SNOOZE/BACKLIGHT button is pressed.

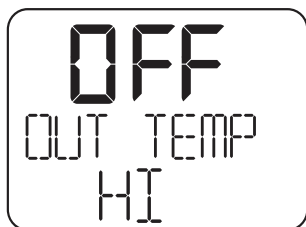
## Set Temperature Alerts

1. Hold 2 seconds, then release the ALERTS button to enter alert set mode.
2. Outdoor HI TEMP will flash OFF or ON.
3. Press and release the +/- buttons to select ON. (If disarmed (OFF) skip the alert value and move to next alert)
4. Press and release ALERTS button and alarm value will flash.
2. Press and release the +/- buttons to adjust values.
3. Press and release the ALERTS button to confirm adjustments and move to the next item.

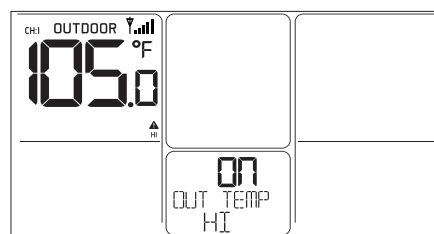
### Alert setting order:

- Outdoor Temp HI
- Outdoor Temp LO
- Outdoor Hum HI
- Outdoor Hum LO
- Indoor Temp HI
- Indoor Temp LO
- Indoor Hum HI
- Indoor Hum LO

Default is OFF

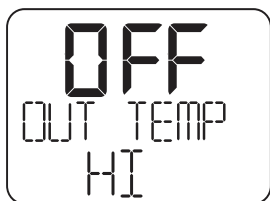


+/- button-ON  
Alert button-Value flashes

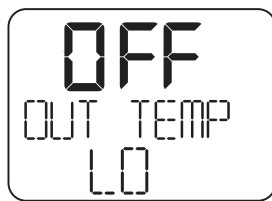


Use the +/- buttons to adjust value.  
Press ALERTS button to continue.

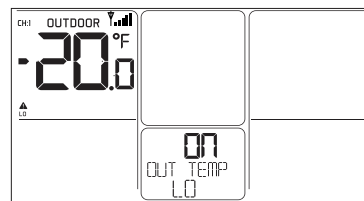
Default (OFF)



Default (OFF)



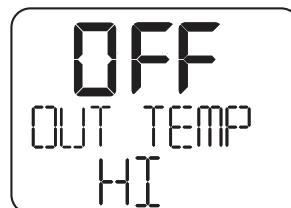
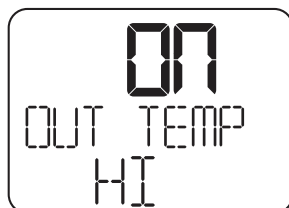
Turn ON with +/- buttons



**Note:** When no HI or LO Temperature Alert is set, OFF will show.

## Arm/Disarm Temperature Alerts

- Hold 2 seconds, then release the ALERTS button to view High and Low alerts flashing.
- Press the PLUS button to arm an alert.
- Press the MINUS button to disarm an alert.



## Alarm Time

The alarm will be active when alarm time is set.

1. Hold the ALARM button for 3 seconds to enter alarm settings.
2. The HOUR will show.
3. Press the +/- buttons to adjust.
4. Press ALARM to confirm and move to the minutes
5. The MINUTES will show.
6. Press the +/- buttons to adjust.
7. Press ALARM to confirm and exit settings.

Alarm Hour



Alarm Minutes



## Deactivate/Activate Alarm

- The alarm is active when set.
- Press and release the ALARM button to view alarm time. Then press and release the ALARM button to deactivate or activate the alarm.
- The alarm icon (bell) will show when active.

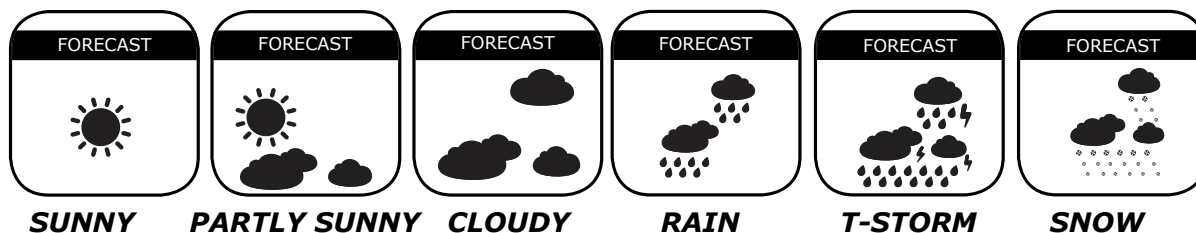
## Snooze

- When the alarm sounds, press the SNOOZE/BACKLIGHT button to silence the alarm for 10 minutes.
- The snooze icon Zz will flash.
- Press any button except SNOOZE/BACKLIGHT to silence the alarm for 24 hours.

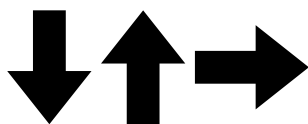


## Forecast

1. The weather station offers these 6 forecast icons based on barometric pressure.
2. When the forecast would normally be Rain or T-Storm and the outdoor temperature is below 32°F, the forecast will show Snow.
3. Wind indicators will show on T-Storm and Snow forecast.



## Forecast Trend Arrows



**Falling:** Weather will worsen

**Rising:** Weather will improve

**Steady:** No change

## Temperature Trend Arrows

- The temperature (2°F / 1°C) trend indicators update every 30 minutes.
- 3 hrs. increments which changes on every ½ hour e.g.: At 3:00 — compares to 12:00 data; at 3:30 — compares to 12:30, etc.

Rising Scrolls Right	Falling Scrolls Left	Steady No Scroll
TEMP. TREND ● → → → ↑	↑ ↓ ← ← ← ●	← ● →

## Humidity Trend Arrows



- The humidity (3% RH) trend indicators update every 30 minutes or less.

## LO/Hi Temperatures

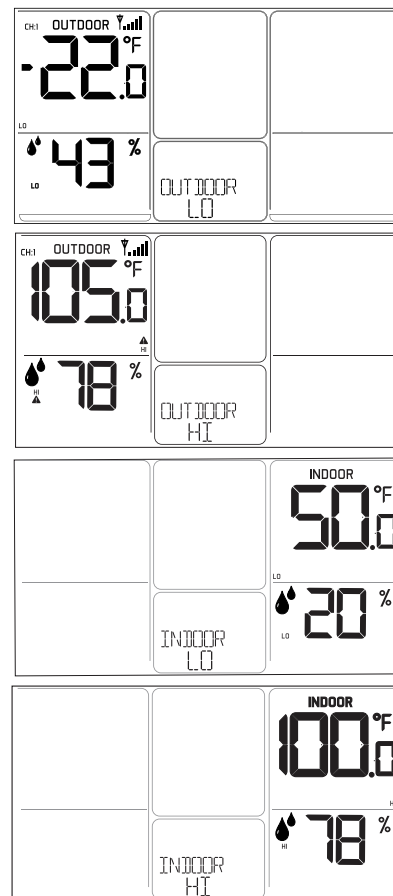
- The forecast station automatically resets the HI/LO temperatures at midnight (12:00 AM).
- Press and release the MINUS button to toggle through the LO and HI temperature and humidity readings.

1. Press the MINUS button once to view Outdoor LO temperature/humidity records.

2. Press MINUS again to view the Outdoor HI temperature/humidity records.

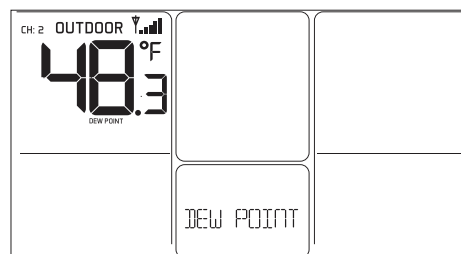
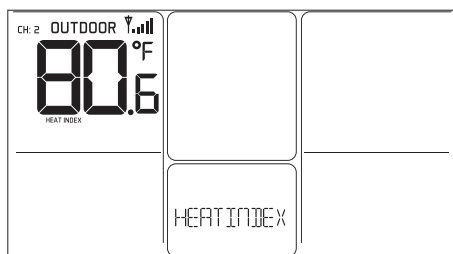
3. Press MINUS again to view the Indoor LO temperature/humidity records.

4. Press MINUS again to view the Indoor HI temperature/humidity records.



## Heat Index / Dew Point

- Press the TEMP button to toggle between Heat Index and Dew Point. Each feature will display for 10 seconds then return to default display if the button is not pressed again.



**Tip:** If you are using multiple sensors, press the PLUS button to select the channel before pressing the TEMP button to view Heat Index for that sensor.

## Channel Selection

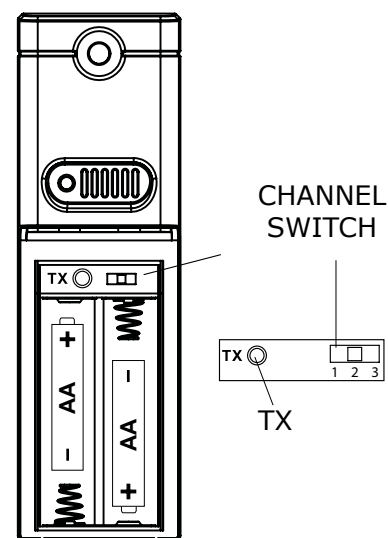
- Press the PLUS button to toggle between sensor channels when multiple sensors are used.
- After initial setup, channel 2 and channel 3 will not show unless additional sensors connected.

## Using Multiple Sensors

Your forecast station can read up to 3 TX141TH-BCHv3 sensors.

### **Add Sensors:**

- Remove battery covers from all sensors.
- Set each sensor to a different channel with the switch.
- Insert batteries into all sensors.
- Hold the TEMP button on the forecast station to search for sensors.
- Press the TX button on each sensor.
- After 15 minutes place, sensors in shaded locations.



## Sensor Search

- Hold the TEMP button for 3 seconds to search for the outdoor temperature/humidity sensor.
- The strength signal icon will animate until the sensor signal is received, or for 3 minutes if no signal available.



## Low Battery

- Battery by Outdoor Temperature, replace batteries in the sensor.
- Battery by Indoor Temperature, replace batteries in the weather station.

## Restart

When the outdoor readings show dashes:

- Bring the sensor in the house at least five feet from the forecast station.
- Remove batteries from the sensor, as well as, the batteries and AC adapter from the forecast station.
- Press any button 20 times.
- After 15 minutes insert batteries into the sensor and station and re-connect the adapter.
- Wait 15 minutes to establish a strong connection. Place sensor outside in shaded location.

## 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](mailto:store@lacrossetechnology.com)

## Let's Be Social!

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



## 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:** 1-608-782-1610

**Online Product Support and Registration:** [www.lacrossetechnology.com/support](http://www.lacrossetechnology.com/support)

## 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 330 feet (100 meters) in open air, RF 433 MHz

### Power

**Weather Station:** 5.0 Volt 500mA power cord included (Required)

AC6: GPU280500150WAOO

Optional Battery Backup: 3-AAA batteries not included, backup for time and date

**Thermo-hygro Sensor:** 2-AA batteries not included

### Battery Life

**Weather Station:** 36 months with power cord use

**Thermo-hygro Sensor:** over 24 months with reputable batteries.

### Dimensions

**Weather Station:** 8.27" L x 2.34" W x 5.48" H (210 x 59.43 x 139.2 mm)

**Thermo-hygro Sensor:** 1.57" L x 0.79" W x 5.12" H (40 x 20 x 130 mm)

## 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

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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.

## Canada Statement

This device complies with Industry Canada's licence-exempt RSSs. 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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes :

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