

Wireless Color Weather Station



Welcome!

Congratulations on your new Wireless Color 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
Model: 308-1414MBv2
DC: 092218

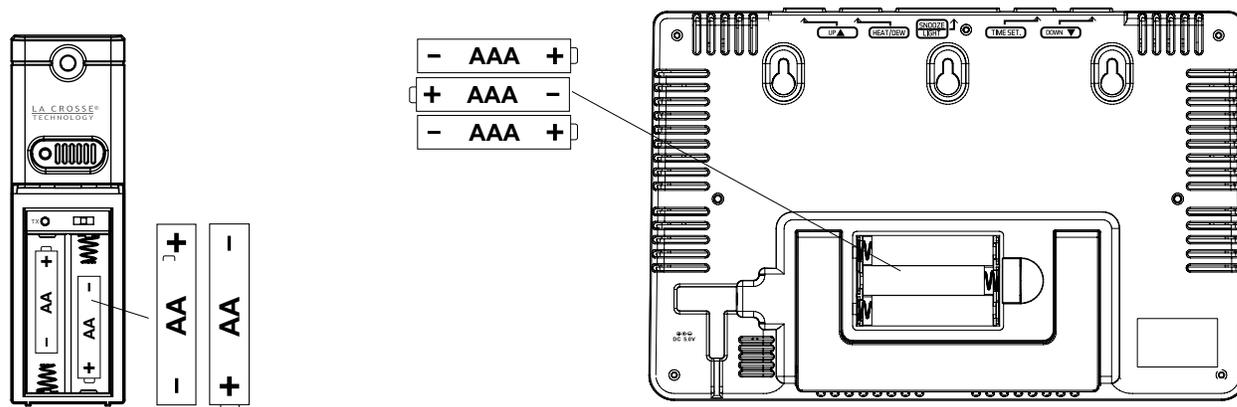
Table of Contents

3	Step 1: Power Up	9	Heat Index Dew Point Mold Risk
3	Step 2: Mounting Basics	9	Forecast
3	Step 3: Set Time, Date, etc.	10	Forecast Trend Arrows
4	Setting Menu	10	Low Battery
5	Your Weather Station Features	10	Restart
6	WWVB Atomic Time	10	Help Us, Help You!
6	Backlight HI-LOW-OFF	10	Let's Be Social!
6	Alarm Time	11	Care and Maintenance
6	Deactivate/Activate Alarm	11	Warranty and Support
6	Snooze	12	Specifications
7	Set Temperature Alerts	13	FCC Statement
7	Arm/Disarm Temperature Alerts	13	Canada Statement
8	MIN/MAX Temperatures		
8	Temperature/Humidity Trend Arrows		
8	Sensor Search		

STEP 1: Power Up

Insert batteries (in any order):

- 2-AA batteries into thermo-hygro sensor
- 5 volt power cord (required) into 308-1414MBv2 station
- *3-AAA batteries for optional backup of your time and date



STEP 2: Mounting Basics

Wait until 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 TIME SET button for 3 seconds to enter settings menu.
2. Press and release the ARROW buttons to adjust the flashing values. Hold to adjust quickly.
3. Press and release the TIME SET button to confirm and move to the next item.

Settings Menu

Settings order:

1. WWVB ON/OFF
2. Time Zone
3. DST ON/OFF
4. 12H/24H
5. Hour
6. Minutes
7. Year
8. Month
9. Date
10. Fahrenheit/Celsius

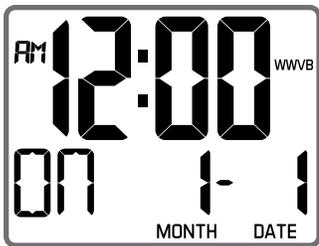
<i>Time Zones</i>	
AST	Atlantic
EST	Eastern
CST	Central
MST	Mountain
PST	Pacific
AKT	Alaskan
HAT	Hawaiian

Note: When WWVB OFF is selected, the menu will move directly to 12/24 hour time setting.

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

To begin: Hold the TIME SET button 2 seconds, then release, to enter the settings menu. Use the ARROW buttons to adjust values. Press the TIME SET button to confirm and move to next item.

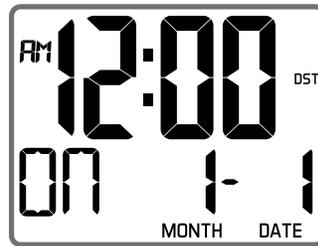
1. WWVB ON | OFF



2. Time Zone



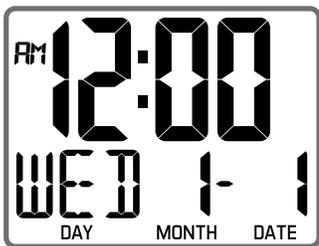
3. DST ON | OFF



4. 12Hour | 24 Hour



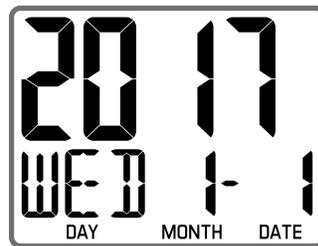
5. Hour



6. Minutes



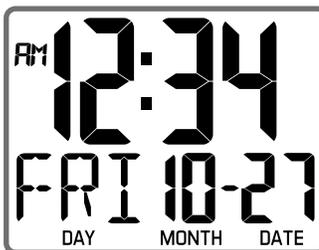
7. Year



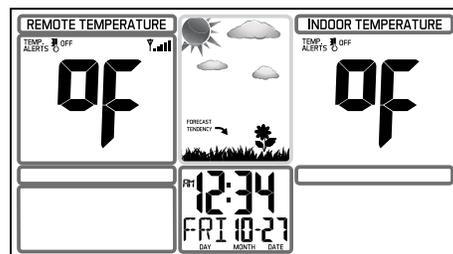
8. Month



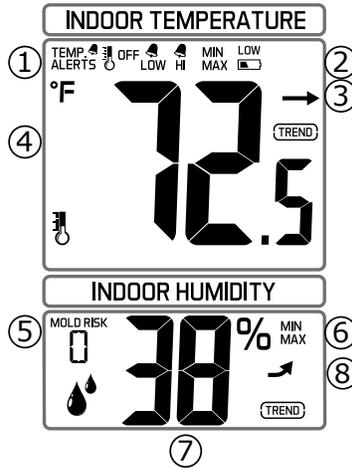
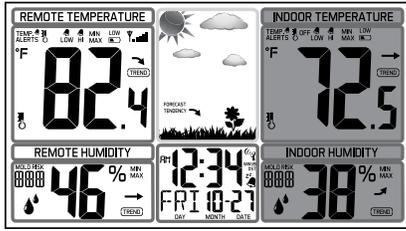
9. Date



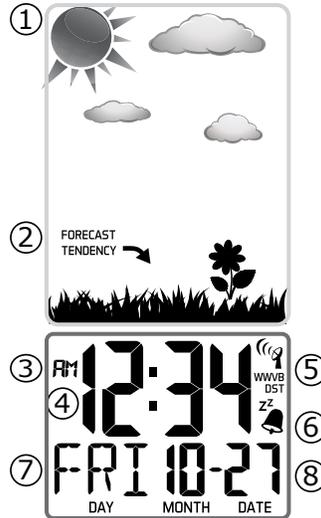
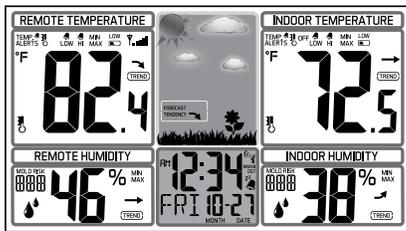
10. Fahrenheit | Celsius



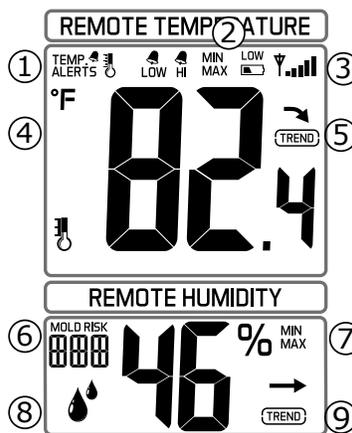
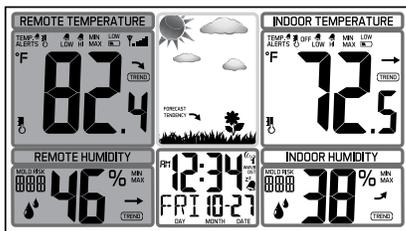
Your Weather Station Features



- ① Alerts (HI-LO-OFF)
- ② MIN/MAX | Low Battery
- ③ Trend Arrow
- ④ Indoor Temp
- ⑤ Mold Risk
- ⑥ MIN/MAX
- ⑦ Indoor Humidity
- ⑧ Trend Arrow



- ① Forecast Symbols
- ② Forecast Trend
- ③ AM/PM
- ④ Atomic Time
- ⑤ Atomic Tower | DST
- ⑥ Alarm/Snooze
- ⑦ Weekday
- ⑧ Month/Date



- ① Alerts (HI-LO-OFF)
- ② MIN/MAX | Low Battery
- ③ Sensor Strength
- ④ Remote Temperature
- ⑤ Trend Arrow
- ⑥ Mold Risk
- ⑦ MIN/MAX
- ⑧ Remote Humidity
- ⑨ Trend Arrow

WWVB Atomic Time

- From normal time display, press and release the TIME 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/LIGHT to adjust backlight.
- When operating on batteries only, the backlight will come on briefly when the SNOOZE/LIGHT button is pressed.

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 ARROW buttons to adjust.
4. Press ALARM to confirm and move to the minutes
5. The MINUTES will show.
6. Press the ARROW buttons to adjust.
7. Press ALARM to confirm and exit settings.



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/LIGHT button to silence the alarm for 10 minutes.
- The snooze icon **Zz** will flash.
- Press any button except SNOOZE/LIGHT to silence the alarm for 24 hours.

Set Temperature Alerts

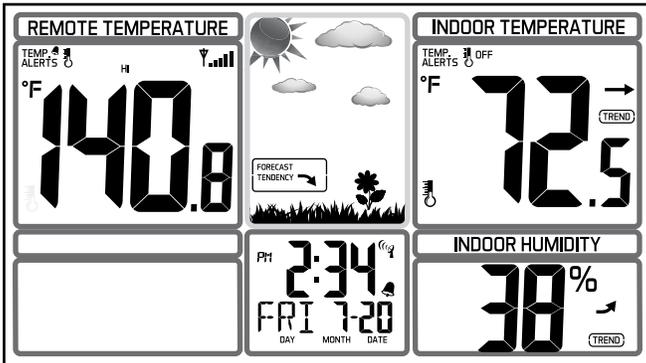
Tip: Setting the alerts is one step. Arming the alerts is a separate step (see below)

- Hold the ALERTS button for 3 seconds until the remote HI alert value flashes.
- Press and release the ARROW buttons to adjust the value. Hold to adjust quickly.
- Press and release the ALERTS button to confirm and move to the next alert.

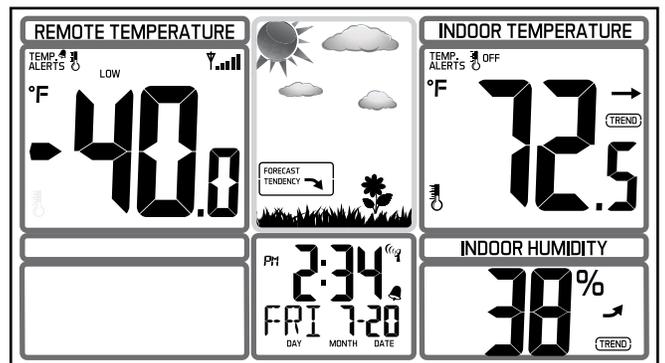
Alert order:

1. Remote HI
2. Remote LO
3. Indoor HI
4. Indoor LO

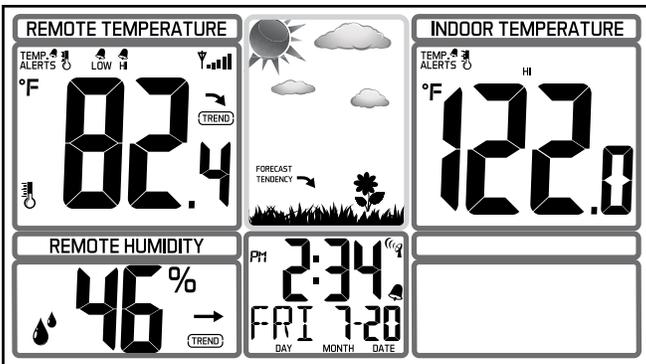
Remote HI Alert



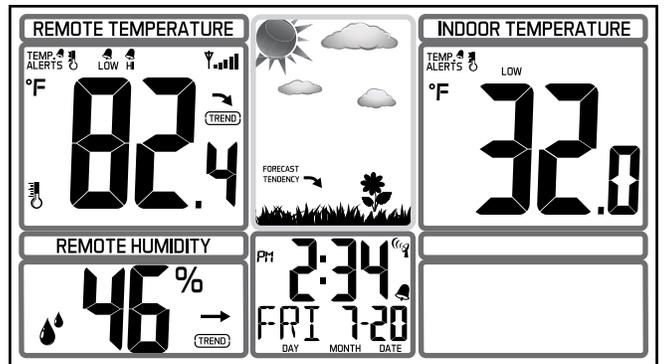
Remote LO Alert



Indoor HI Alert



Indoor LO Alert



Arm/Disarm Temperature Alerts

1. Press and release the ALERTS button so the remote HI alert temperature shows and the word HI flashes.
 - Press UP ARROW to arm
 - Press DOWN ARROW to disarm
2. Press and release the ALERTS button to confirm and move to the remote LO, indoor HI and indoor LO alerts.
3. A bell appears above and alert when armed.
4. If no alerts are active, OFF will show.



HI alert armed



LO alert armed

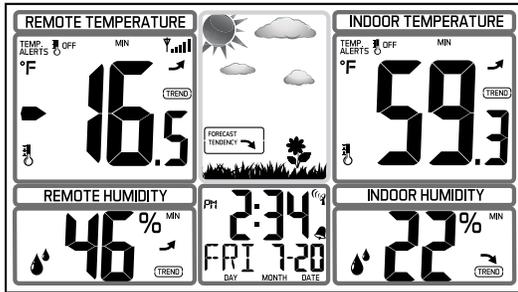


Alerts OFF

MIN/MAX Temperature Records

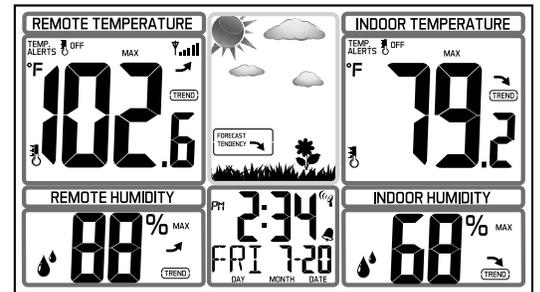
All MIN/MAX temperature/humidity records will reset automatically at 12:00 (midnight).

- Press and release the DOWN ARROW to view indoor/remote minimum readings.
- Press and release the UP ARROW to view indoor/remote maximum readings.



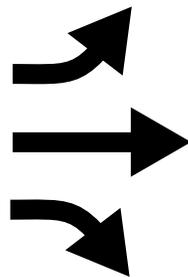
MINIMUM

MAXIMUM



Temperature/Humidity Trend Arrows

- The temperature (2°F / 1°C) trend indicators update every 30 minutes.
- The humidity (3% RH) trend indicators update every 30 minutes or less.
- 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.



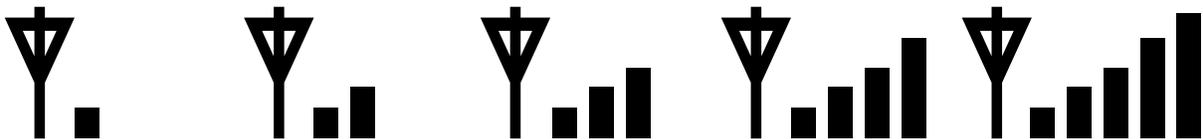
Rising: Trend is rising over past 3 hours

Steady: No change

Falling: Trend is falling over past 3 hours.

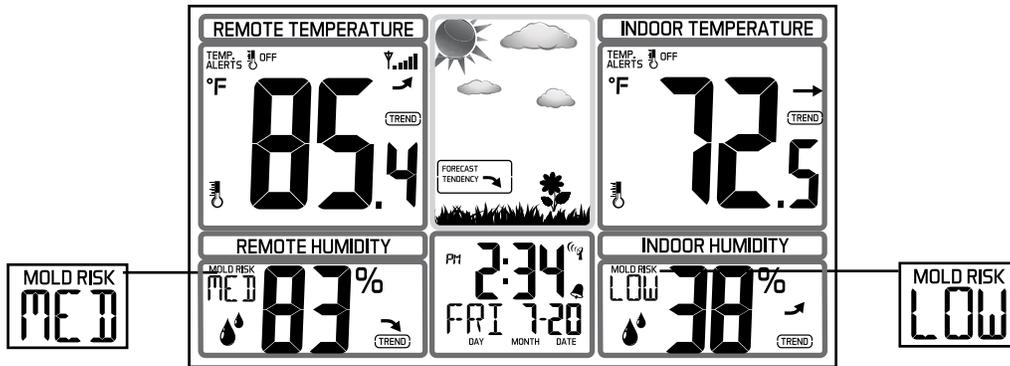
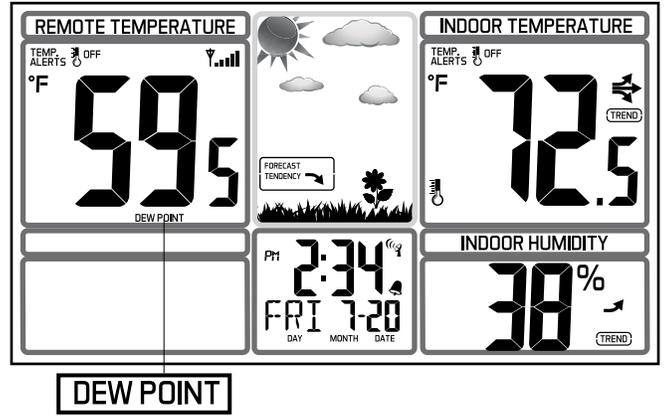
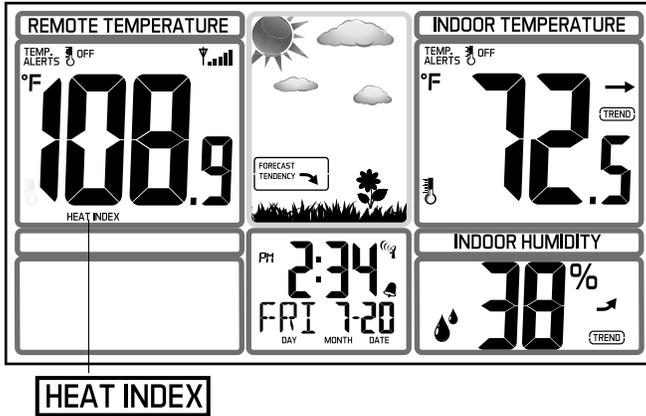
Sensor Search

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



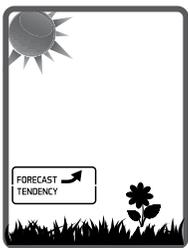
Heat Index | Dew Point | Mold Risk

- Press the HEAT/DEW button once to view remote Heat Index.
- Press the HEAT/DEW button twice to view remote Dew Point.
- Press the HEAT/DEW button a third time to view indoor and remote Mold Risk (0, LOW, MED, HI)

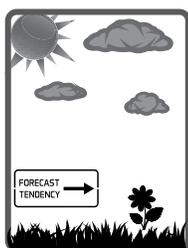


Forecast

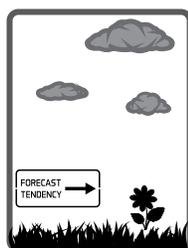
1. The weather station offers these 6 forecast icons based on barometric pressure.
2. When the forecast would normally be Rain or T-Storm and the outdoor temperature is below 32°F, the forecast will show Snow.
3. Wind indicators will show on T-Storm and Snow forecast.



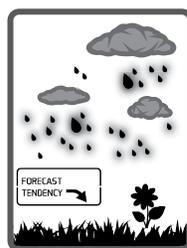
SUNNY



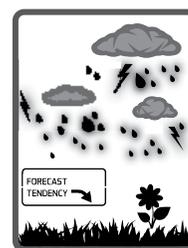
PARTLY SUNNY



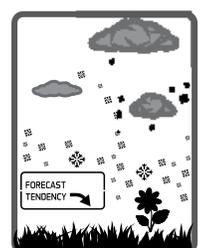
CLOUDY



RAIN

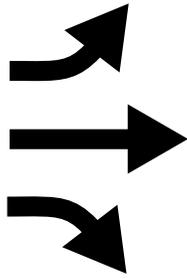


T-STORM



SNOW

Forecast Trend Arrows



Rising: Weather will improve

Steady: No change

Falling: Weather will worsen

Intelligent Weather Forecast:

- This station learns. Please allow 7-10 days for barometric calibration.
- This will ensure an accurate personal forecast for your location.

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

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

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

TX141TH-Bv3 Thermo-hygro Sensor: 2-AA batteries not included

Battery Life

Weather Station: 36 months with power cord use

TX141TH-Bv3 Thermo-hygro Sensor: over 24 months with reputable batteries.

Dimensions

Weather Station: 8.34" L x 1.03" W x 5.48" H (21.18 x 2.61 x 13.92cm)

TX141TH-Bv3 Thermo-hygro Sensor: 1.57" W x 5.12" T x 0.79" D (4.0cm W x 13.0cm T x 2.0cm D)

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.

 **WARNING:** This product can expose you to chemicals including styrene, which is known to the State of California to cause cancer. For more information go to: www.P65Warnings.ca.gov