

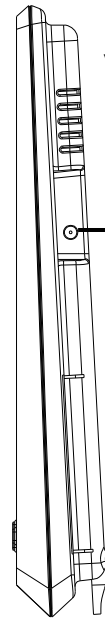
High Resolution Display WIRELESS COLOR WEATHER STATION

FRONTVIEW

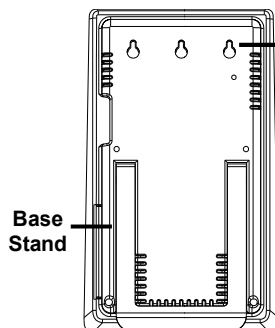
- Outdoor Temp, humidity + Trends
- Day/Night Forecast + Trend Seasonal image change
- Indoor Temp, humidity + Trends
- Time, Calendar, + Time Alarm



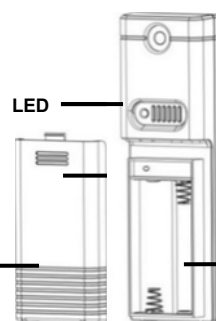
SIDE VIEW



Issued.



Hanging Keyholes



OUTDOOR SENSOR TX143TH

Sensor Battery Cover

Sensor Battery Compartment 2 "AA"

Get Started

Step 1: Insert the 5 volt AC cord (included) into the wall outlet then into the weather station.

Step 2: Insert the 2 *new* AA batteries (not included) into the TX143TH outdoor sensor. Observe the correct polarity. The red LED will flash during transmission.

Restart: If there is no outdoor temperature after 3 minutes, unplug the AC adapter and remove batteries from the outdoor sensor for 15 minutes. Return to **Step 1** above.

Manually Set Time, Date, Temperature Unit (from any page)

From any screen hold the **SET** button to enter time set mode.

1. Press the ▼ or ▲ buttons to adjust the values.
2. Press the **SET** button to confirm adjustments and move to the next item.

TIME SET. ORDER:

1. 12/24 hour time format
2. Hour
3. Minutes
4. Year
5. Month
6. Date
7. Fahrenheit/Celsius

Press the **SET** button to exit, or wait 20 seconds without pressing buttons to return to the normal time display.

Adjust Backlight

The back light defaults to HIGH intensity when the weather station is powered on. The backlight can be adjust to LO or OFF with a press of the **LIGHT** button.

- LOW=press the **LIGHT** button
- OFF= press the **LIGHT** button again
- HIGH= press the **LIGHT** button third time/return to default.

LCD Screen Pages

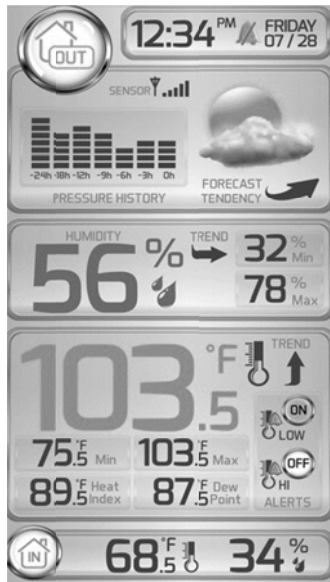
Press the **DISPLAY** button to select the Forecast page, Indoor page, Outdoor page or Comfort page to display. Press the **DISPLAY** button at any time to select a new page.



FORECAST DISPLAY

1. Outdoor humidity and temperature with trends
2. Day/Night forecast icons and forecast tendency
3. Photo-color forecast scenes picture background
4. Indoor humidity and temperature
5. Time
6. Alarm Time with Snooze
7. Perpetual Calendar (Day/Month/Date)





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Note: Please note that the images displayed in this manual are for reference only. The correct values of temperature, humidity and forecast will display cordially to your conditions.

Set Time Alarm (from any page)

1. Hold the **ALARM** button to enter alarm time set mode.
2. Press the ▼ or ▲ buttons to adjust the values.
3. Press the **ALARM** button to confirm & move to the next item.
4. Press the **DISPLAY** button to return to normal time mode.

Alarm Time setting order: 1. Hours, 2. Minutes

Activate / Deactivate Time Alarm

- Press the **ALARM** button once to view alarm time.
- Press the **ALARM** button again to activate the alarm. Once activated, the ON icon appears.
- Press the **ALARM** button again to deactivate the alarm. The OFF icon will appear.



Snooze (Silences Alarm Temporarily)

- When alarm sounds, press the **LIGHT** button to silence the alarm for 10 minutes.
- The snooze icon will show.
- In snooze mode, press any button to stop alarm for one day.



Note: The alarm is crescendo sound. The alarm sounds for 2 minutes and then will shut off completely.

Set Indoor and Outdoor Temperature Alerts

1. Press the **DISPLAY** button to select the Indoor or Outdoor page.
2. Hold the **ALERT** button for 3-5 seconds
3. The low temperature alert value will flash.
4. Press the ▼ or ▲ buttons to adjust the low alert values.
5. Press the **ALERT** button to confirm & move to activate the alert.
6. Press the ▼ or ▲ buttons to turn the low alert ON/OFF.
7. Press the **ALERT** button to confirm & move to the high temperature alert. The high alert will flash.
8. Press the ▼ or ▲ buttons to adjust the values.

9. Press the **ALERT** button to confirm & move to activate the alert.
10. Press the ▼ or ▲ buttons to turn the high alert ON/OFF.
11. Press the **ALERT** button to confirm & exit alert settings.

Press the **ALERT** button to exit, or wait 20 seconds without pressing buttons to return to normal time display.

Active Temperature Alert/Turn Alert OFF

- Emits a series of beeps once per minute with a flashing yellow alert ON icon.



Turn Alert Off:

- Hold the **ALERT** button for 3-5 seconds. The low alert value will flash.
- Press the **ALERT** button until the flashing yellow alert ON icon is selected.
- Press the ▼ or ▲ buttons to turn the alert OFF.

Note: You can change the value of the alert higher/lower if desired and leave the alert ON.

Search for Outdoor sensor

- Hold the ▲ button to search for the outdoor sensor.
- The temperature reading will show dashes until reconnected.
- Open the outdoor sensor and press the **TX** button to send a signal quickly.

Temperature/Humidity Trend Indicators

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

• Temperature has risen in the past 3 hours. • Humidity has risen in the past 3 hours.	RISING
• Temperature has not changed in the past 3 hours. • Humidity has not changed in the past 3 hours.	STEADY
• Temperature has fallen in the past 3 hours. • Humidity has fallen in the past 3 hours.	FALLING

MIN/MAX Temperatures

- Indoor and Outdoor MIN/MAX temperatures are constantly displayed on the indoor and the outdoor pages.
- The forecast station will show the daily minimum and maximum temperatures each day starting at midnight (12:00 AM).
- The forecast station automatically resets the min/max temperatures at midnight (12:00 AM).

Outdoor Heat Index & Dew Point Temperatures

- Outdoor heat index and dew point temperatures are constantly displayed on the outdoor page.

Open/Close Window Recommendation

Note: Open/Close Window Indicator is a suggestion to achieve ideal indoor comfort

Open Window:

- Humidity: 32-75%
- Temperature: 62- 78 degrees

When both outdoor temperature and humidity are in this range the window stays open. If either the humidity or the temperatures are out of this range the window goes to the closed position.



Closed Window:

- Humidity: 1-32% and 76- 100%
- Temperature: -40 to 61 and 79 to 140 degrees

When either the outdoor temperature or humidity are in this range the window stays closed.

Indoor Comfort Display (Indoor Page)

The indoor comfort display is based off of the humidity read by the weather station.

- Too Humid/Too Wet
- Humid/Wet
- Comfortable/Comfort OK
- Dry
- Too Dry



24 Hour Pressure History Graph



- The bar chart indicates the air pressure history trend over the last 24 hours.
- The “0” is equal to the current pressure and each bar represents how past pressure was **compared** to the current pressure.
- Read the graph from left to right. If the bars are rising, it means that the weather is getting better due to the increase of air pressure.
- If the bars go down, it means the air pressure has dropped and the weather is expected to worsen from the present time.

Seasonal and Day/ Night Changes to Forecast Icons

- On the Forecast page, the tree foliage will change seasonally.(Spring, Summer, Autumn, Winter)
 - The entire background will change daily between night and day images.
- Note:** Day and Night start times, vary by season.
- The Outdoor page will show the day/night changes with the forecast icon.

Day & Night Parameters	Day Starts	Night Starts
Spring:		
March 20 th – June 20 th	6:53am	7:57pm
Summer:		
June 21 st – Sept. 20 th	6:18am	8:19pm
Autumn:		
Sept. 21st – Dec 20 th	6:50am	5:15pm
Winter:		
Dec 21st – Mar 19 th	7:18am	5:48pm

Note: Average sunrise and sunset times were used because of the different sunrise and sunset times across the United State. The background picture will not always display correctly to your location.

Color Forecast Icons

Animated forecast icons use changing atmospheric pressure to predict weather conditions for the next 12-hours with 70-75% accuracy.

DAY



NIGHT



INTELLIGENT WEATHER FORECAST ICONS

This station learns; please allow 3 to 4 weeks for barometric calibration. This will ensure an accurate personal forecast for your location.

Note: It is important that Time and Date are set for the Day/Night changes are as specified.

Forecast Tendency Indicators (Up, Right and Down Arrows)

 TENDENCY Rising Pressure Weather is Expected to Improve	 TENDENCY Steady Pressure Weather is Expected to Stay the Same	 TENDENCY Falling Pressure Weather is Expected to Worsen
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Outdoor sensor Use and Positioning

- Mount the Outdoor sensor on a north-facing wall or in any well shaded area. Under an eave or deck rail is preferred.
- The maximum wireless transmission range to the weather station is over 300 feet (91.44 meters) in open air, not including walls or floors.
- Be sure the outdoor sensor is mounted vertically.

Specifications

Model: S88785 www.lacrossetechnology.com/support **Page | 9**

Indoor	
Temperature Range:	+32°F to +122°F (0°C to 50°C)
Humidity Range:	1%-99% (RH)
Outdoor	
Temperature Range:	-40°F to 140°F (-40°C to 60°C)
Alkaline Batteries:	-20°F to 140°F (-29°C to 60°C)
Lithium Batteries:	-40°F to -20°F (-40°C to -29°C)
NOTE:	Temperatures below - 20°F (-29°C) require Lithium batteries in the outdoor sensor
Humidity Range:	1%-99% (RH)
Distance:	Over 300 ft. (91.44 meters) RF 915MHz (open air)
Power	
Weather Station	
AC Power: AC Adapter No.:	5-volt power adapter (included) HNBB050100WU
TX143TH Outdoor sensor :	2-AA, IEC, LR6 batteries (not included)
Battery Life	
TX143TH Outdoor sensor :	Battery life is over 24 months when using reputable battery brands for both Alkaline and Lithium batteries
Dimensions	
Weather Station:	5.09"L x 1.37"W x 8.46"H (129.33 x 34.92 x 214.92 mm)
TX143TH Outdoor sensor:	1.57"L x 0.79"W x 5.12"H (40 x 20 x 130mm)

Weather Station Care & 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 which is not to be used for an extended period of time.
- Remove expired batteries promptly.
- Do not expose to extreme temperature, vibration or shock.
- Clean with a soft damp cloth. Do not use solvents or scouring agents.
- The product is not a toy. Keep it out of reach of children.
- The product is not to be used for medical purpose or for public information. It is intended for home use only.
- The specs of this product may change without prior notice.
- Improper use or unauthorized opening of housing voids warranty.
- If the product is not working properly, check the AC cord connection.

Warranty and Support Information

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.

View full warranty details online at:

www.lacrossetechnology.com/warranty_info.pdf

For warranty work, technical support or other information contact:

La Crosse Technology, Ltd
2830 South 26th St.
La Crosse, WI 54601

Contact Support: 608-782-1610

Online Product Support:

www.lacrossetechnology.com/support

Product Registration:

www.lacrossetechnology.com/support/register

Protected under U.S. Patents:

5,978,738 | 6,076,044 | RE43903

FCC Statement

Model: S88785 www.lacrossetechnology.com/support **Page | 11**



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 modifications to this equipment. Such modifications could void the user authority to operate the equipment.

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