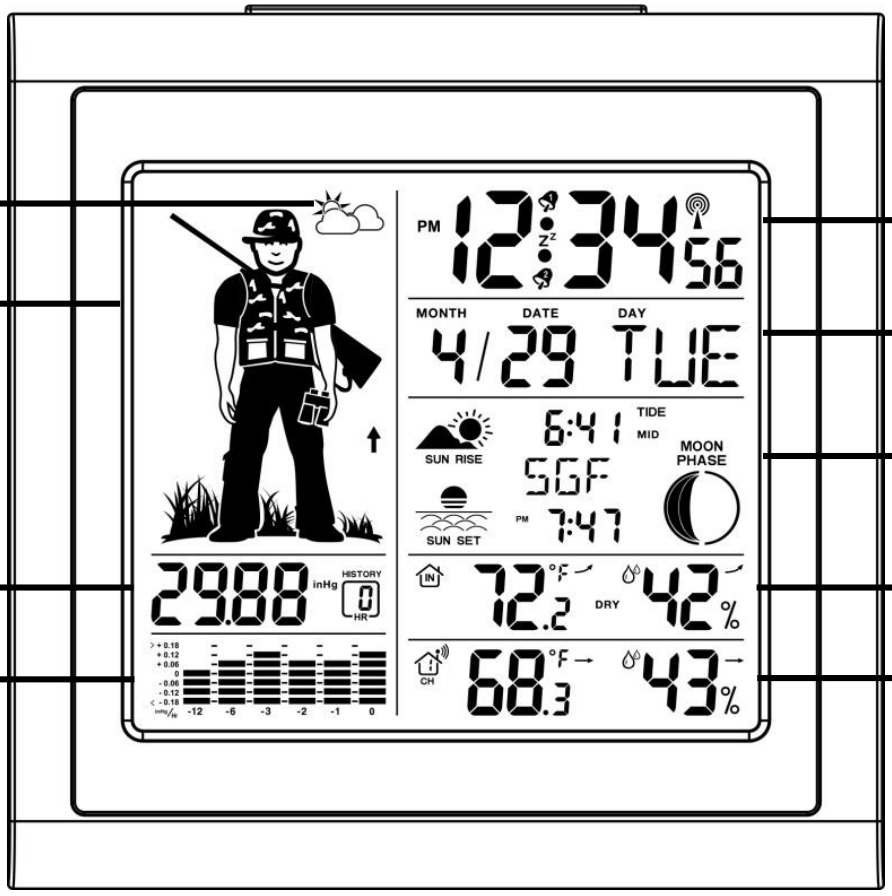
LA CROSSE®
TECHNOLOGY

Model: 308-1451H
Instruction Manual
DC: 071614

Wireless Forecast Station

La Crosse Technology, the world leader in atomic time and weather instruments, introduces the perfect Wireless Forecast Station for avid outdoorsmen. The advanced forecast icons feature a hunter icon who suggests what to wear to prepare for the outdoor temperature. The wireless temperature and humidity sensor monitors backyard conditions for precise, real-time weather. Track sunrise, sunset, moon phase, and monitor both indoor and outdoor humidity and temperature all on this easy-to-read display. Additional features include atomic time & date (sets itself), dual time alarms, barometric pressure in numbers, pressure graph with 12-hour history, and high/low temperature and humidity alarms.

Forecast Station & Outdoor Sensor



Forecast Icon with Tendency

Hunter icon suggests what to wear to prepare for the current

Absolute Pressure + History

12-hour Pressure History Graph in hPa or InHg

Time with 2 Alarms + WWVB Icon

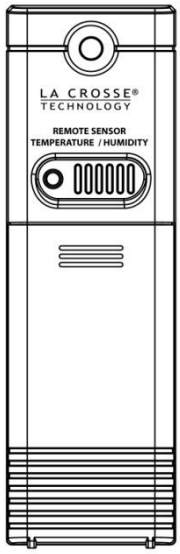
Calendar

Sunrise/sunset Times with Moon Phase

Indoor Temperature, Humidity + Alerts

Outdoor Temperature, Humidity + Alerts

TX142TH



Get Started

Step 1: Insert 3 NEW AA batteries (not included) into the forecast station. Observe the correct polarity.
Step 2: Insert 2 NEW AA batteries (not included) into the outdoor sensor. Observe the correct polarity. The red LED light will flash when transmitting.

Restart: if there is no outdoor temperature data after 3 minutes.

- Remove batteries from the forecast station & sensor for 15 minutes.
- Press any button 20 times.
- Return to **Step 1** above.

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Features

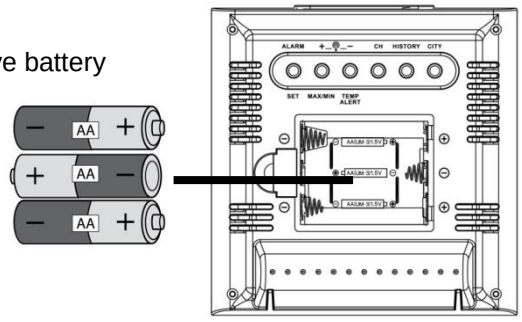
- Forecast icons change with barometric pressure (Snow, Sun, Partial Sun, Clouds and Rain)
- Advanced Hunter icon reacts to changes in outdoor temperature
- Barometric pressure with 12 hour history graph (InHg or hPa)
- Atomic 12/24 hour time and calendar: day, month, date (manual set option)
- Sun rise/set, moon phase for 250 pre-selected US cities
- Indoor temperature (ºF/ºC)
- Indoor humidity (%RH)
- Outdoor temperature (ºF/ºC)
- Outdoor humidity (%RH)
- Temperature and frost alarm icons
- Time alarm with snooze
- Indoor comfort level icon
- Temperature and humidity trend arrows
- Blue LED backlight
- Low battery indicators
- Monitor up to 3 separate sensors (sold separately)

Install Batteries in the Forecast Station & TX142TH Sensor

Forecast Station:

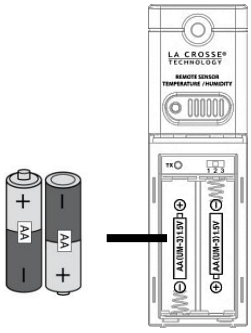
1. Remove battery cover. Slide tab to the right and pull out to remove battery cover.
2. Install three new AA batteries according to the polarity markings.

- **Do Not Mix Old and New Batteries**
- **Do Not Mix Alkaline, Lithium, Standard or Rechargeable Batteries**

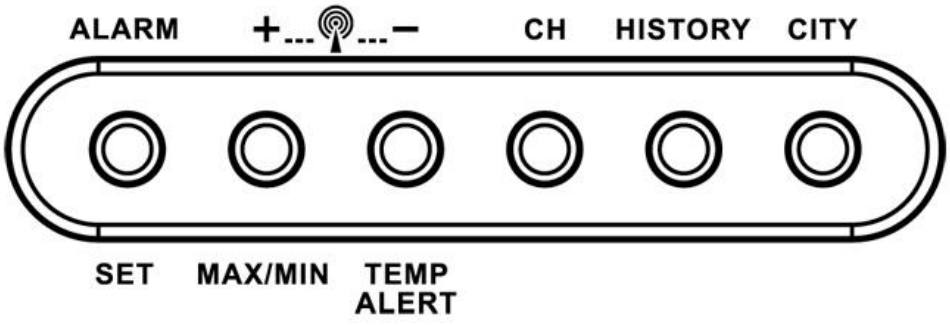


Outdoor Sensor:

1. Slide the battery cover down, then lift off the front of the TX142TH sensor.
   Note: Be careful not to break the tabs on the battery cover.
2. Confirm the channel selector switch is on channel 1.
3. Insert two new AA batteries into the sensor.
   Observe the correct polarity (see marking inside battery compartment).
4. Keep sensor 5-10 ft. from the forecast station during setup.
5. After 15 minutes, if the outdoor temperature shows on the forecast station, move the outdoor sensor outside to a shaded location within range of the forecast station.



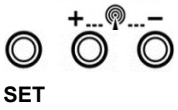
Function Buttons (on back of forecast station)



Program Menu (sets time, calendar, 12/24 hour time, °F/°C, and WWVB reception)

The **SET** button will moves through the items in the program menu. The **+** or **-** button will change these values.

- WWVB reception ON or OFF
- Time Zone (Seven Time Zones)
- Daylight Saving Indicator
- 12/24 hour time format
- Fahrenheit/Celsius selection
- Manual time set (Hour, Minutes, Seconds)
- Calendar set (Year, Month, Date)



WWVB Time Reception

The WWVB time reception defaults to ON. To turn the WWVB reception OFF:

1. Hold the SET button for 5 seconds.
2. **WWVB** and **ON** will flash in the time display.
3. Press and release the **+** or **-** button to turn this OFF.
4. Confirm with the SET button and move to the **Time Zone**.

Time Zone

This station offers seven time zones listed in letter format (default is EST):

TIME ZONE	
AST	Atlantic
EST	Eastern
CST	Central
MST	Mountain
PST	Pacific
AKT	Alaska
HAT	Hawaiian

1. **EST** will flash next to the date.
2. Press and release the **+** or **-** button to select a different Time Zone.
3. Confirm with the SET button and move to **Daylight Saving Indicator**.

DST Indicator

DST will default to the ON position as most of the country observes the DST change. The DST indicator should stay on all year so the forecast station knows when to switch into or out of daylight saving time. If you live in an area does not observe the DST change, switch this to the OFF position.

1. **DST** and **ON** will flash in the time display.
2. Press and release the **+** or **-** button to turn DST to OFF.
3. Confirm with the SET button and move to **12/24 hour time format**.

12/24 Hour Time Format

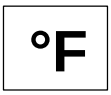
The time may be displayed in 12-hour or 24-hour format. Default is 12-hour time.
Note: When in 12-hour format AM or PM will show in front of the hour.

1. **12Hr** will flash in the time display.
2. Press and release the **+** or **-** button to select 24-hour time.
3. Confirm with the SET button and move to **Fahrenheit/Celsius**.

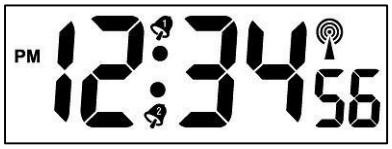
Fahrenheit/Celsius

Select the temperature to display in Fahrenheit or Celsius. Default is Fahrenheit.

1. **°F** will flash in the time display.
2. Press and release the **+** or **-** button to select Celsius.
3. Confirm with the SET button and move to **Set Time**.



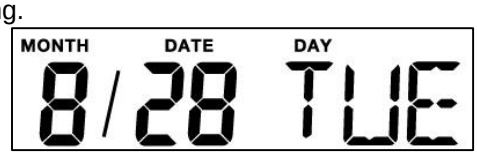
Set Time



To set the time manually:
1. The **hour** digit will flash.
2. Press and release the **+** or **-** button to select the hour.
3. Press and release the **SET** button to move to the **minutes**.
4. The **minute's** digit will flash.
5. Press and release the **+** or **-** button to set the minutes.
6. Press and release the **SET** button to move to the **seconds**.
7. The **second's** digit will flash.
8. Press and release the **+** or **-** button to reset the seconds to zero.
9. Confirm with the **SET** button and move to **Set Calendar**.

Set Calendar

To set the calendar:
1. The **year** will flash.
2. Press and release the **+** or **-** button to set the year (between year 2010-2039).
3. Press the **SET** button again to confirm and to enter the **month** setting.
4. The **month** will flash.
5. Press and release the **+** or **-** button to set the month.
6. Press the SET button again to confirm and enter the **date** setting.
7. The **date** will flash.
8. Press and release the **+** or **-** button to set the date.
9. Confirm all calendar settings with the **SET** button to confirm and **exit** the program menu.



Note: If no buttons are pressed for 20 seconds, set mode will time out and return to live display mode, reflecting whatever adjustments were made before it timed out.
Note: Press the + or - button once to adjust by 1 unit or hold for fast scroll adjustment.

City Selection: Sun rise/set Times

Note: Preset city abbreviations are at the end of this manual.
Choose the city closest to you in a north/south direction. This will provide the most accurate sunrise/sunset times.

To select a city location: Select your country, state, and then city location.
1. Hold the CITY button for 5 seconds.
2. **USA** will flash next to the sunrise/sunset time.
3. Press and release the **+** or **-** button to select USA, CAN or MEX as your **country**.
4. Press the CITY button to confirm the country and select a **state**.
   Note: When either Canada or Mexico is chosen, you will move directly to city selection.
5. The **state** will flash. Press and release the **+** or **-** button to select a **state**.
6. Press the CITY button to confirm the state and select a **city**.
7. The **city** location will flash.
8. Press and release the **+** or **-** button to select a **city** from the list at the end of this manual.
9. Press the CITY button to confirm and **exit.**

After a short calculation time, the forecast station shows the times for sunrise and sunset, moon phase and lunar tide.

Note: When DST is in affect the forecast station will need to receive the WWVB time signal to make the adjustment for DST. The WWVB signal includes an embedded bit to tell the station to adjust for DST. Until that signal is received the first time, the sunrise/sunset times will be one hour off.

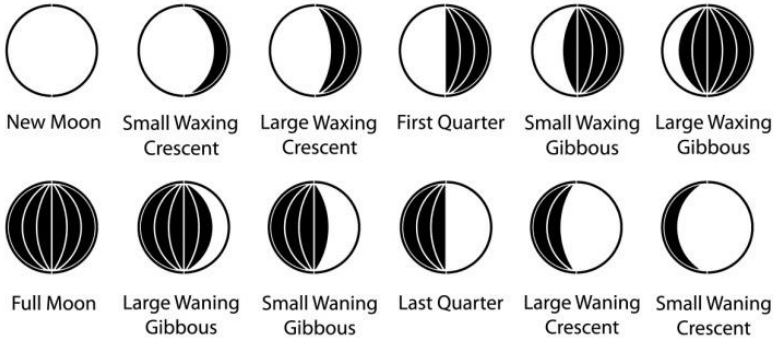
Tide

The tides reflected on this station are based on the ebb and neap tides of the lunar month rather than the daily high and low tides. When the sun, moon and earth are lined up at new and full phases of the moon, tides will be higher. When the moon is at right angles to the sun and Earth at the first and last quarter, the tides are weaker.

- **Full & new moon** = spring tide (TIDE **HI**)
- **Quarter** = neap tide (TIDE **LO**)
- **Other** = mean water level (TIDE **MID**)

Moon Phase

The LCD Moon phase is divided by 6 sections, showing a total of 12 phases of the moon.
Note: With the moon shown against a light colored background, the phases will show opposite to a paper calendar. The segments that are highlighted portray the part of the moon that is lit. For instance, the moon will be blank during a new moon and dark during a full moon.



- **New Moon** occurs when the moon is between the earth and sun so the illuminated portion of the moon is on the back side facing the sun and we cannot see it. After a new moon, the illuminated (visible) portion will increase or wax until the full moon occurs.
- **Full Moon** occurs when the earth, moon and sun are in approximate alignment, with the moon and the sun on opposite sides of the earth. The illuminated portion of the moon faces the earth, giving us complete visibility of one side of the entire moon. After a full moon, the illuminated portion will decrease or wane until the new moon occurs.
- **First Quarter** and **Last Quarter** moons occur when the moon is at a 90 degree angle to the earth and sun. So we see half of the moon illuminated and half is in shadow.
- **Waxing** means growing or expanding illumination and happens after a new moon.
- **Waning** means decreasing illumination and occurs after a full moon.
- **Crescent** refers to the moon being less than half illuminated. Crescents can be waning or waxing.
- **Gibbous** describes a moon phase when more than half is illuminated. Gibbous can be waxing or waning.

Comfort Statement

The comfort statement is based on the **indoor humidity**.

- **WET**: Humidity is above 64%
- **COMFORTABLE**: Humidity is between 43% and 64%
- **DRY**: Humidity is below 42%

Backlight

Press the SNOOZE/LIGHT button on the top of the forecast station to activate the blue LED backlight for 5 seconds.

SNOOZE/LIGHT

Alarms (Time, Temperature, Frost)

There are 9 different alarms that may be individually set on this forecast station:

1. Time Alarm #1
2. Time Alarm #2
3. Frost Alarm
4. High Temperature Alarm CH #1
5. Low Temperature Alarm CH #1

With additional TX142TH or TX14TH sensors:
6. High Temperature Alarm CH #2
7. Low Temperature Alarm CH #2
8. High Temperature Alarm CH #3
9. Low Temperature Alarm CH #3

Time Alarms

This forecast station has two individual time alarms:

- Press and release the ALARM button to enter Alarm mode. Alarm 1 (**A1**) will show after the alarm time.
- Press and release the ALARM button again and Alarm 2 (**A2**) will show after the alarm time.

Set Time Alarm 1

Press and release the ALARM button once to enter Alarm 1 mode.
The Alarm Time and **A1** will show.

1. HOUR: Hold the ALARM button for 3 seconds. The Hour will flash. Use the + or - button to set the Hour. Be sure to set the Hour correctly for AM or PM. Press and release the ALARM button once.
2. MINUTES: The Minutes will flash. Use the + or - button to set the Minutes. Press and release the ALARM button once.
3. ACTIVATE: Press and release the ALARM button to enter the correct Alarm mode. Press and release the + button and the alarm icon will appear (above the time, alarm 1, below the time, alarm 2). The number in the bell icon indicates which alarm is active.
4. DEACTIVATE: Press and release the ALARM button to enter the correct Alarm mode. Press and release the **+** button and the alarm icon(s) will disappear indicating alarm 1 and/or alarm 2 is off.

Alarm Icon

Set Time Alarm 2

Press and release the ALARM button **twice** to enter Alarm 2 mode.
The Alarm Time and **A2** will show. Follow steps 1-4 above to program alarm 2.

Snooze

Press the SNOOZE/LIGHT button on the top of the forecast station once to activate the snooze feature for 10 minutes when either alarm sounds. The alarm icon and the snooze icon **Zz** will flash when the snooze is active. Press any button to deactivate the snooze feature.

Frost Alarm

The Frost Alarm when active will sound when the outdoor temperature drops to 34°F (1.1 °C).

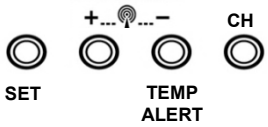
1. ACTIVATE: Press and release the TEMP ALERT button to activate the Frost Alarm on all channels (when multiple sensors in use). The Frost Alarm icon will appear in the outdoor temperature area when active.
2. DEACTIVATE: Press and release the TEMP ALERT button until the Frost Alarm icon no longer shows.

TEMP ALERT

Frost Alert icon

Outdoor Temperature Alarms

A high and low outdoor temperature alarm may be set on the forecast station.
Note: When multiple sensors are connected on different channels, a high and/or low temperature alarms may be set for each channel.



Set Temperature Alarm Channel 1

Temp Alert Icon

1. Press and release the CH button to select channel 1 (when multiple sensors in use).
2. Hold the TEMP ALERT button until the **High Temp Alert** icon appears and the temperature will flash. Use the **+** or **-** button to select your High Temp alarm value. Press and release the SET button to move to the Low Temp alarm.
3. The **Low Temp Alert** icon will appear and the temperature will flash. Use the **+** or **-** button to select your Low Temp alarm value. Press and release the SET button to confirm and exit to current temperature.
4. The Temp Alert icon will show in the outdoor temperature area when a temperature alarm is active. When the temperature alarm sounds, the Temp Alert icon and the temperature value will flash. Press any button to silence the alarm temporarily.

Set Temperature Alarm Channel 2 & 3

- Use the CH button to select the channel. Follow steps 2-4 above to set temperature alarms on other channels.
- DEACTIVATE TEMPERATURE ALARM: Press and release the TEMP ALERT button 3 times to deactivate all temperature alarms. The alert icons will disappear.

Temperature/Humidity Trend Indicators (arrows)

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.	
• Temperature has **not changed** in the past 3 hours. • Humidity has **not changed** in the past 3 hours.	
• Temperature has **fallen** in the past 3 hours. • Humidity has **fallen** in the past 3 hours.	

Pressure Readings

Absolute Barometric Pressure Number

Barometric pressure is read by the forecast station. The numeric pressure value adjusts automatically as the forecast station reads changes in air pressure. Since this number is ***absolute* pressure**, it may not be the same as a local reporting station that reads in *relative* pressure.
Note: The number **cannot** be calibrated.

- **Absolute Pressure** is measured in a vacuum without the influences of terrain, weather, water, foliage and elevation. The air pressure it would be consistent at every elevation and decrease as it went higher.
- **Relative Pressure** is a combination of air pressure and altitude. Relative air pressure will make readings in local areas relative to each other to allow for proper forecasting.

Pressure Unit of Measurement (InHg or hPa)

Hold the HISTORY button for 5 seconds to switch from InHg (inches or mercury) or hPa (Hectopascal) for the numeric pressure display and the pressure graph.

- **Inches of Mercury** is common for weather reports and aviation in the United States.
- **Hectopascal** is equivalent to millibar and commonly used to measure atmospheric pressure outside the United States.

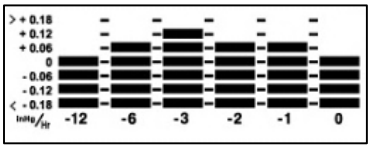
Pressure History

Press and release the HISTORY button to view the past 12-hours of numeric pressure history.

- In the small box to the right of the numeric pressure a number from 0 to -12 will appear.
- 0 is current pressure. -1 through -12 reflects the history in one-hour increments.

Note: The history graph and forecast icons will not change when you view pressure history.

Pressure History Graph



The bar chart indicates the air pressure history trend over the last 12 hours in 5 steps, 0h, -1h, -2h, -3h, -6h & -12h.

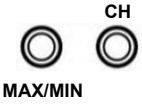
- The columns represent the change in pressure readings (InHg or hPa) at specific times.
- The "0" in the middle of this scale is equal to the current pressure and each bar represents how high or low the past pressure was **compared** to the current pressure.

Read the graph from left to right. If the bars are rising, it means that the weather will improve. If the bars go down, it means the air pressure has dropped and the weather is expected to degrade.

Note: The bar graph will scroll continually to prevent LCD burnout.

MIN/MAX Data

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).



- **View MIN/MAX data:** Press and release the MAX/MIN button to view the Maximum, Minimum, then Current Indoor and Outdoor Temperatures.
- **Multiple Sensors:** Press and release the CH button to select the desired outdoor channel to view the Minimum and Maximum Outdoor Temperatures. Press and release the MAX/MIN button to view the Maximum, Minimum then Current Temperatures for that channel.
- **Reset all MIN/MAX data:** Hold the MAX/MIN button for 5 seconds and the Indoor and all Outdoor Minimum and Maximum Temperatures will be reset manually to Current temperatures.

Low Battery Indicator

Low Battery icon

- When the low battery icon appears in the indoor (IN) reading section, replace the batteries in the forecast station.
- When the low battery icon appears in the outdoor (OUT) readings section, replace the batteries in the outdoor sensor.

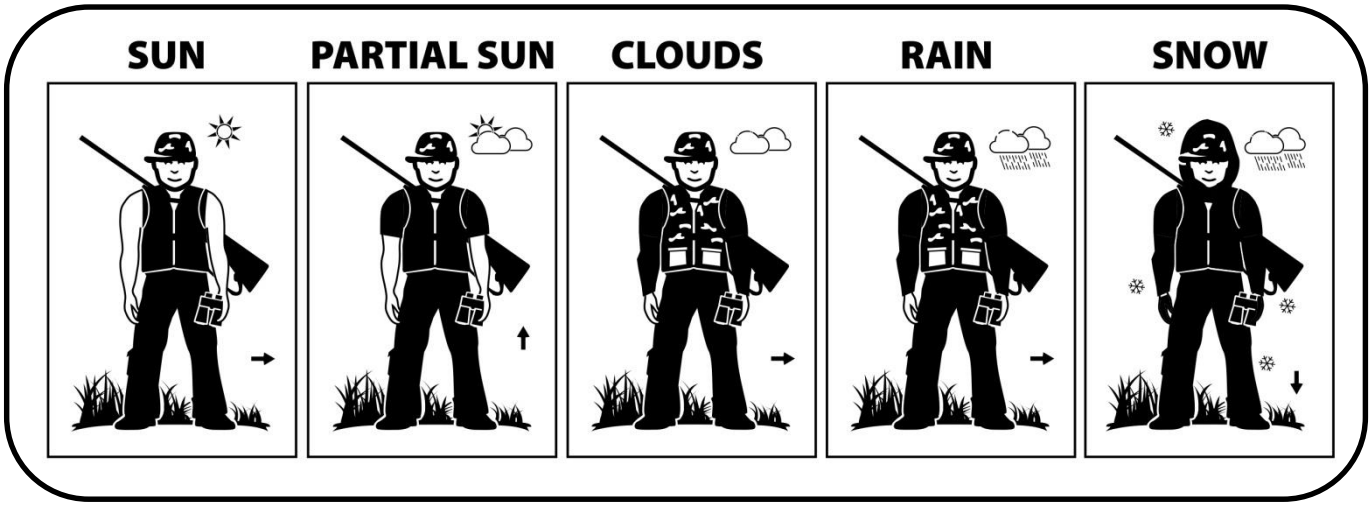
Weather Forecast & Hunter Icons

Weather Forecast Icons (Sun, Partial Sun, Clouds, Rain and Snow)

The icons in the top right corner shown below forecast the weather for the next 12-24 hours. The icon is a prediction of the weather in terms of getting better or worse based on rising and falling barometric pressure.

INTELLIGENT WEATHER FORECAST

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

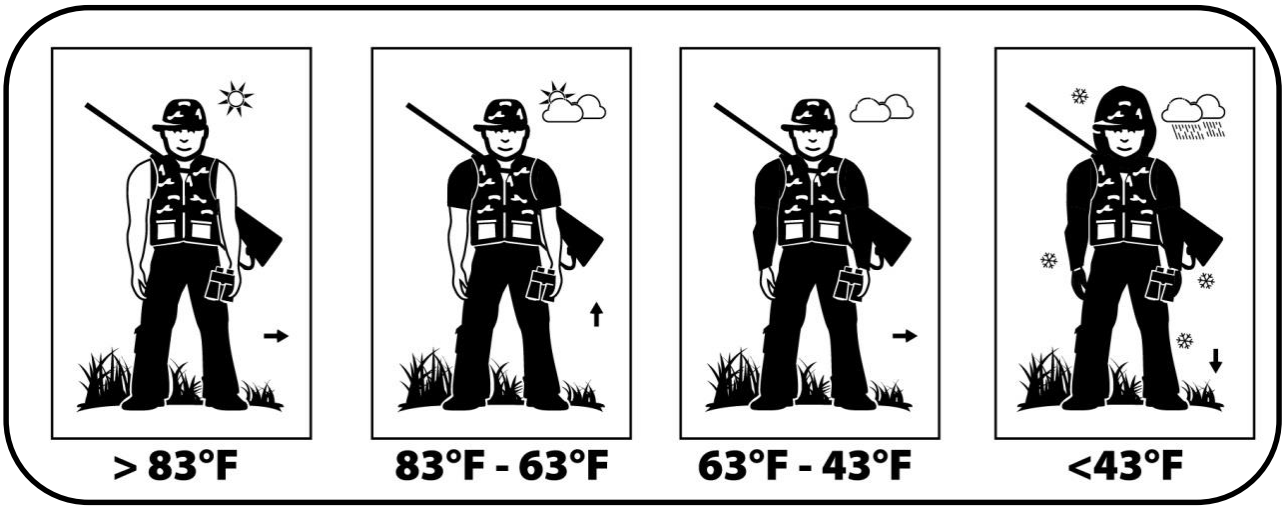


Weather Tendency Indicators (up and down arrows)

Working together with the weather forecast icons are the weather tendency indicators. When the indicator points upwards, the Air Pressure is increasing; weather is expected to improve. When indicator points downwards, Air Pressure is falling; weather is expected to degrade. An arrow to the right means no change.

Hunter Icon Clothing Index Based on Outdoor Temperature

- The hunter's clothing updates with changes in the measured Outdoor Temperature from the sensor on **channel 1**.
- The hunter icon represents CURRENT TRENDS in Temperature.



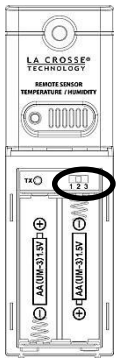
Channel Selection and Auto-scroll

- **Channels:** When more than one sensor is used, set each sensor to a different channel number then hold the CH button for 5 seconds to search for the sensors.
- **View Channels:** Press the CH button to select Ch1, Ch2, Ch3 or auto-channel scroll.
- **Auto scroll-channel** will show a circling arrow ↻ below the channel number and will rotate through each channel approximately every 5-8 seconds

Setup with Multiple Outdoor Sensors

The forecast station will accommodate up to three remote outdoor sensors (TX142TH or TX14TH). The channel selection button allows you to easily see the temperature in various locations: outdoors, baby's room, greenhouse, basement, etc. Monitor remote temperature in up to 3 locations within a 200 ft. wireless range of the forecast station.

To connect multiple remote sensors to the forecast station:



1. Remove the battery cover from all the sensors (Leave battery covers off until all sensors are received by the forecast station).
2. Set the **first** outdoor sensor to Channel 1 and insert 2 AA batteries.
3. Set the **second** outdoor sensor to Channel 2 and insert 2 AA batteries.
4. Set the **third** outdoor sensor to Channel 3 and insert 2 AA batteries.
5. Press and hold the CH button on the forecast station for 5 seconds. The forecast station will search for all outdoor sensors.
6. Press the TX button on each outdoor sensor to transmit RF signal.
7. When RF connection is established, the respective temperature & humidity for each of the selected channels will appear on the main unit.
8. Allow the sensors and the forecast station to stay 5-10 feet apart for 15 minutes to establish a solid connection.
9. Install the battery covers on each sensor.
10. After 15 minutes place the remote sensors in appropriate locations (see "**position the outdoor sensor**").

Press and release the CH button to view channel 1, 2 or 3 on the forecast station when multiple sensors are used.

Note: You cannot change channels if only one sensor is connected.

Channel Scroll

Press and release the CH button until you see ↻ appear in the outdoor data area. The forecast station will automatically rotate through the channels for all connected sensors.

Press and release the CH button to lock the forecast station into one channel. Then view channels individually with a press of the CH button.

WWVB Radio-controlled Time

The NIST radio station, WWVB, is located in Ft. Collins, Colorado, and transmits the exact time signal continuously throughout the United States at 60 kHz. The signal can be received up to 2,000 miles away through the internal antenna in the forecast station. However, due to the nature of the Earth's Ionosphere, reception is very limited during daylight hours.

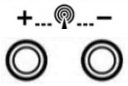
The forecast station will search for a signal every night when reception is best. The WWVB radio station derives its signal from the NIST Atomic Clock in Boulder, Colorado. A team of atomic physicists continually measures every second of every day to an accuracy of ten billionths of a second a day. These physicists have created an international standard, measuring a second as 9,192,631,770 vibrations of a Cesium 133 atom in a vacuum. This atomic clock regulates the WWVB sensor.

WWVB Reception Icon

Reception icon with full signal strength will appear on screen in front of the date when the reception of time is successful.

- The tower icon will show solid when the forecast station has received the WWVB signal.
- No tower icon is shown. The forecast station was unable to receive a signal at this time.
- Reposition the forecast station for better signal reception or try again at bedtime.
- The forecast station will start searching at UTC: 07:00 and if no reception on the first attempt they will try again at 08:00, 09:00, 10:00 and 11:00. Each attempt will be at least 2 minutes and the most will be 10 minutes.
- If there is no signal or too much interference the receiver will only be on for 2 minutes.
- If the signal is good it may catch a signal in ABOUT 2-3 minutes.
- If the signal is marginal it will try to catch a signal for up to 10 minutes.

WWVB Manual Signal Search



Normal mode: Hold the **+** and **-** buttons together for 3 seconds to enter manual search.
Reception mode: Hold the **+** and **-** buttons together for 3 seconds to exit searching for the WWVB signal.

- Recommended distance to any interfering sources like computer monitors or TV sets is a minimum of 6 feet (2 meters).
- Within ferro-concrete rooms (basements, superstructures), the received signal is naturally weakened. In extreme cases, please place the unit close to a window and/ or point its front or back towards the Fort Collins, Colorado, sensor.
- During nighttime, the atmospheric disturbances are usually less severe and reception is possible in most cases. A single daily reception is adequate to keep the accuracy deviation below 1 second.

Note: In case the forecast station is not able to detect the WWVB-signal (disturbances, transmitting distance, etc.), the time and date can be manually set (see "**program menu**").

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 which is not to be used for an extended period of time.
- Remove expired batteries promptly.
- Do not expose the forecast station to extreme temperatures, vibration or shock. Keep dry.
- Clean forecast station with a soft damp cloth. Do not use solvents or scouring agents.
- The forecast station is not a toy. Keep it out of reach of children.
- The forecast station is not to be used for medical purpose or for public information. It is for home use only.
- The specifications of this forecast station may change without prior notice.
- Improper use or unauthorized opening of housing will void the warranty.
- If the forecast station does not work properly, change the batteries and/or check the a/c cord connection.

Position the Outdoor Sensor

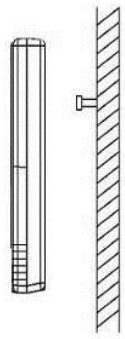
Once the forecast station shows the outdoor temperature/humidity, place it and the sensor in the desired locations and wait approximately one hour before permanently mounting the sensor to ensure that there is proper reception. The sensor should be mounted vertically, in a shaded, protected area, where direct sunlight cannot reach the outdoor sensor, at least 6 feet from the ground to avoid damage and ensure accurate

readings. The sensor is water resistant, not waterproof and should not be placed anywhere it will become submerged in water or subject to standing water or snow.

Choose a location for the sensor that is within range of the forecast station and under an overhang for accuracy. The maximum transmitting range in open air is over 200 feet (60 meters).

Option 1:

- Install one mounting screw (not included) into a wall leaving approximately ½ of an inch (12.7mm) extended.
- Place the sensor onto the screw, using the hanging hole on the backside.
- Gently pull the sensor down to lock the screw into place.



Option 2:

- Insert the mounting screw (not included) through the front of the sensor and into the wall.
- Tighten the screw to snug (do not over tighten).

The maximum transmitting range in open air is over 200 feet (60 meters). Obstacles such as walls, windows, stucco, concrete and large metal objects can reduce the range.

Position the Forecast Station

1. The forecast station has a wide base to sit on a desk or table.
2. Choose a location 6 feet or more from electronics such as cordless phones, gaming systems, televisions, microwaves, routers etc.
3. Place within range of the outdoor sensor.
4. The maximum transmitting range in open air is 200 feet (60 meters). Obstacles such as walls, windows, stucco, concrete and large metal objects can reduce the range.
5. For best WWVB reception orientate the forecast station with the front of the back facing Ft. Collins, Colorado.

Specifications

Indoor	
Temperature Range:	+32°F to +122°F (0°C to 50°C)
Humidity Range:	1%-99% (RH)
Interval:	About every 30 seconds
Outdoor	
Temperature Range:	-40°F to 140°F (-40°C to 60°C)
Humidity Range:	1%-99% (RH)
Distance:	Over 200 ft. (60 meters) RF 433MHz (open air)
Interval:	About every 50 seconds
Barometric Pressure	
Range:	23.62 to 32.48 InHg (800mb to 1100mb)
Interval:	About every 12 minutes
Power Requirements	
Wireless Forecast Station:	3-AA, IEC, LR6 batteries (not included)
TX142TH/TX14TH Sensor:	2-AA, IEC, LR6 batteries (not included)
Battery Life	
TX142TH Sensor:	Battery life is over 24 months when using reputable battery brands.
Wireless Forecast Station:	Battery life is over 24 months when using reputable battery brands.
Dimensions	
Wireless Forecast Station:	5.12" L x 2.36" W x 5.12" H (130 x 60 x 130 mm)
TX142TH Sensor:	1.58" L x .83" W x 5.08" H (40.132 x 21.082 x 129.032 mm)

Warranty 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:
1-608-782-1610

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

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.

City Codes

AK ALASKA
ANC ANCHORAGE
FAI FAIRBANKS
AJN JUNEAU
OME NOME

AL ALABAMA
BHM BIRMINGHAM
GAD GADSDEN
MGM MONTGOMERY
MOB MOBILE

AR ARKANSAS
FSM FORT SMITH
LIT LITTLE ROCK
TXK TEXARKANA

AZ ARIZONA
FLG FLAGSTAFF
PHX PHOENIX
TUS TUCSON
YUM YUMA

CA CALIFORNIA
BFL BAKERSFIELD
BLH BLYTHE
EKA EUREKA
FAT FRESNO
FTB FORT BRAGG
LAX LOS ANGELES
ROD REDDING
SAC SACRAMENTO
SAN SAN DIEGO
SBD SAN BERNADINO
SFO SAN FRANCISCO

CO COLORADO
DEN DENVER
DRO DURANGO
FNL FT COLLINS
GJT GRAND JUNCTION
ITR BURLINGTON
PUB PUEBLO

CT CONNECTICUT
HFD HARTFORD

DC DISTRICT OF COLUMBIA
DCA WASHINGTON

DE DELAWARE
ON5 DOVER

FL FLORIDA
JAX JACKSONVILLE
MIA MIAMI
ORL ORLANDO
PNS PENSACOLA
TLH TALLAHASSEE
TPA TAMPA

GA GEORGIA
ABY ALBANY
AGS AUGUSTA
ATL ATLANTA
CSG COLUMBUS
MAC MACON
SAV SAVANNAH

HI HAWAII
HNL HONOLULU
ITO HILO
OCG KAHULUI
WAI WAIMEA

IA IOWA
ALO WATERLOO
DSM DES MOINES
DVN DAVENPORT
SUX SIOUX CITY

ID IDAHO
BOI BOISE
GIB GIBBONSVILLE
PIH POCATELLO
SZT SAND POINT

IL ILLINOIS
CMI CHAMPAIGN
ORD CHICAGO
SPI SPRINGFIELD

IN INDIANA
EVV EVANSVILLE
HUF TERRE HAUTE
IND INDIANAPOLIS
SBN SOUTH BEND

KS KANSAS
DDC DODGE CITY
K32 WICHITA
KCK KANSA CITY
OH1 WAKEENEY
TOP TOPEKA

KY KENTUCKY
FFT FRANKFORT
LEX LEXINGTON
LOU LOUISVILLE

LA LOUISIANA
BTR BATON ROUGE
CWF LAKE CHARLES
IER NATCHITOCHES
NEW NEW ORLEANS
SHV SHREVEPORT

MA MASSACHUSETTS
BOS BOSTON

MD MARYLAND
BWI BALTIMORE

ME MAINE
AUG AUGUSTA
BGR BANGOR
CAR CARIBOU
PWM PORTLAND

MI MICHIGAN
AZO KALAMAZOO
DET DETROIT
FNT FLINT
LAN LANSING
PZQ ROGERS CITY
SAW MARQUETTE
TVC TRAVERSE CITY

MN MINNESOTA
AEL ALBERT LEA
BJI BEMIDJI
DLH DULUTH
GPO GRAND PORTAGE
INL INTERNATIONAL FALLS
STP SAINT PAUL

MO MISSOURI
JEF JEFFERSON CITY
MKC KANSA CITY
MPH MEMPHIS
POF POPLAR BLUFF
SGF SPRINGFIELD
STL ST LOUIS

MS MISSISSIPPI
GWO GREENWOOD
HUV HUNTSVILLE
JAN JACKSON
TUP TUPELO

MT MONTANA
BIL BILLINGS
FTP FORT PECK
GFT GREAT FALLS
HLN HELENA
SDY SIDNEY
WTF WHITEFISH

NC NORTH CAROLINA
AVL ASHEVILLE
CLT CHARLOTTE
FAY FAYETTEVILLE
ILM WILMINGTON
INT WINSTON-SALEM
MCZ WILLIAMSTON
RDU RALEIGH

ND NORTH DAKOTA
BIS BISMARCK
BWB BOWBELLS
FAR FARGO
GFK GRAND FORKS

NE NEBRASKA
GRI GRAND ISLAND
LNK LINCOLN
OMA OMAHA
SNY SYDNEY
VTN VALENTINE

NH NEW HAMPSHIRE
CON CONCORD

NJ NEW JERSEY
EWR NEWARK
TTN TRENTON

NM NEW MEXICO
ABQ ALBUQUERQUE
MAG MAGDALENE
ROW ROSWELL
RTN RATON
SAF SANTA FE

NV NEVADA
AIN AUSTIN
CXP CARSON CITY
ELY ELY
LAS LAS VEGAS
LWL WELLS
RNO RENO

NY NEW YORK
ALB ALBANY
BUF BUFFALO
JFK NEW YORK CITY
LKP LAKE PLACID
SYR SYRACUSE

OH OHIO
CLE CLEVELAND
CMH COLUMBUS
ISZ CINNCINATI
TOL TOLEDO
YNG YOUNGSTOWN

OK OKLAHOMA
17K BOISE CITY
LAW LAWTON
OKC OKLAHOMA CITY
TUL TULSA

OR OREGON
BNO BURNS
EUG EUGENE
MFR MEDFORD
PDX PORTLAND
SLE SALEM

PA PENNSYLVANIA
CXY HARRISBURG
PHL PHILADELPHIA
PIT PITTSBURGH
SCR SCRANTON

PR PUERTO RICO
SJU SAN JUAN

RI RHODE ISLAND
PVD PROVIDENCE

SC SOUTH CAROLINA
CHS CHARLESTON
CUB COLUMBIA
GMU GREENVILLE

SD SOUTH DAKOTA
FSD SIOUX FALLS
PIR PIERRE
RAP RAPID CITY

TN TENNESSEE
BNA NASHVILLE
CHA CHATTANOOGA
DKK KNOXVILLE
MEM MEMPHIS

TX TEXAS
ABI ABILENE
AMA AMARILLO
AUS AUSTIN
BRO BROWNSVILLE
DFW DALLAS/FT. WORTH
ELP EL PASO
HOU HOUSTON
LRD LAREDO
ODO ODESSA
SAT SAN ANTONIO

UT UTAH
SAL SALINE
SGU ST GEORGE
SLC SALT LAKE CITY
TSN THOMPSON

VA VIRGINIA
DON VIENNA
LYH LYNCHBURG
ORF NORFOLK
RIC RICHMOND
ROA ROANOKE

VT VERMONT
BTV BURLINGTON
MPR MONTPELIER

WA WASHINGTON
ABE ABERDEEN
ALW WALLA WALLA
KTF KETTLE FALLS
MVN MT VERNON
OLM OLYMPIA
SEA SEATTLE
SFF SPOKANE
TON TONASKET
YKM YAKIMA

WI WISCONSIN
AUW WAUSAU
GRB GREEN BAY
LSE LA CROSSE
MSN MADISON
MWC MILWAUKEE
SSQ SPOONER

WV WEST VIRGINIA
CRW CHARLESTON
HLG WHEELING

WY WYOMING
BYG BUFFALO
CPR CASPER
CYS CHEYENNE
LAA LITTLE AMERICA
WYE WEST YELLOWSTONE

CANADA CITY LISTING

EDM EDMONTON
ALB CALGARY
VAN VANCOUVER
WIN WINNIPEG
FRE FREDERICTON
HAL HALIFAX
YEL YELLOWKNIFE
OTT OTTAWA
SUD SUDBURY
THU THUNDER BAY
TOR TORONTO
CHT CHARLOTTE TOWN
MON MONTREAL
QUE QUEBEC
REG REGINA
WHI WHITEHORSE

MEXICO CITY LISTING

CHH CHIHUAHUA
DUR DURANGO
MEX MEXICO CITY
GUA GUADALUPE
HER HERMOSILLO