LA CROSSE® TECHNOLOGY

Wireless Forecast Station

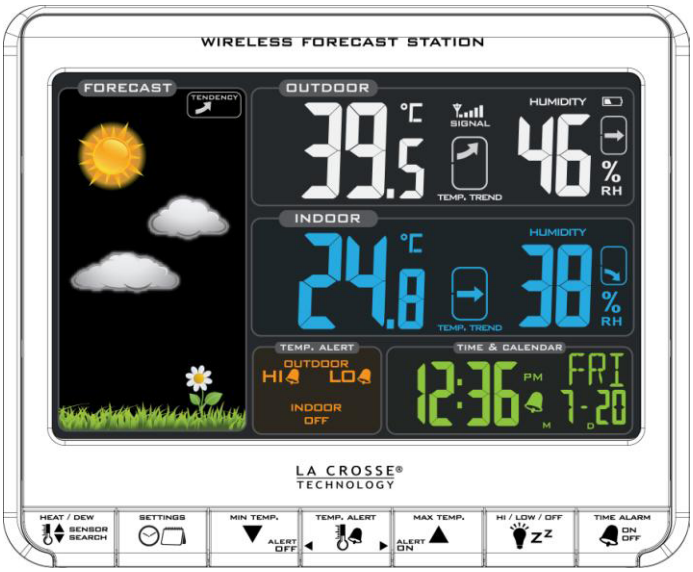
Model:TX141TH-BV2

INTRODUCTION:

The Wireless Forecast Station features manual set time, date, weather forecast, indoor and outdoor temperature/humidity, with temperature alerts, and heat index and dew point, on a stylish, colorful, and easy to read display. Use the integrated USB charging port to charge your smartphone, camera or other device when the Forecast Station is plugged into a power outlet.

WIRELESS FORECAST STATION:

THIS STATION LEARNS!
Please allow 3-4 weeks for barometer calibration to generate an accurate forecast.



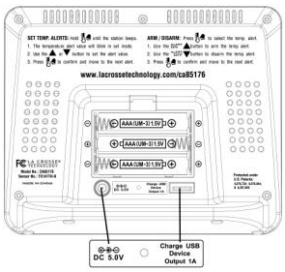
SETUP INSTRUCTIONS STEP BY STEP:

STEP 1:

Insert the 5-volt a/c power adapter into the designated area on the back of the Forecast Station.
Plug the a/c power adapter into a wall outlet for continuous backlight (ON/OFF), and dimmer feature.

STEP 2: (optional battery operation)

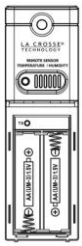
Remove battery cover from the Forecast Station: Slide tab down and pull out to remove the cover.
Insert 3 NEW AAA batteries (not included) into the back of the Forecast Station. Observe the correct polarity (see marking inside the battery compartment).
The Forecast Station will light up and show, indoor temperature, humidity and time.



(Backlight will illuminate for 8 seconds when using only battery power with a press/release of the SNOOZE/LIGHT button.)
Do Not Mix Old and New Batteries
Do Not Mix Alkaline, Standard, Lithium or Rechargeable Batteries

STEP 3:

Ensure that the transmitter is within 10 feet of the Forecast Station.
Remove battery cover from transmitter: Slide the battery cover down and lift off the front.
Insert 2 NEW AA batteries into the TX141TH-BV2 transmitter. Observe the correct polarity.
Within 3 minutes the Forecast Station will show readings in the Outdoor temperature area on the LCD.



Note: Use Alkaline batteries (or Lithium for temperatures below -28.8°C/ - 20°F).

SEARCH FOR TRANSMITTER:

- After the batteries are inserted, the forecast station will search for the outdoor temperature/humidity transmitter for 3 minutes.
- The antenna symbol will flash during reception, and temperature display will be dashes "-".
- The antenna symbol scroll during RF (radio frequency) synchronization.
- If synchronization fails once, the antenna will lose one bar.
- If synchronization fails twice, the antenna will lose two bars.
- If reception continuously fails to receive 5 times, the antenna symbol will be shown as.
- The antenna will show full display with successful RF (radio frequency) reception.

TROUBLESHOOTING:

- If the outdoor temperature is not displayed after three minutes, hold the SENSOR SEARCH button on the forecast station for three seconds to search for outdoor transmitter.
- Next remove the battery cover from the TX141TH-BV2 transmitter then press the TX button to send a signal.
- If it still does not receive the outdoor temperature, remove the a/c cord and batteries from both the forecast station and the transmitter for 15 minutes repeat setup instructions from step 1.

TIME/DATE:

The SETTINGS button will move through the program menu and confirm settings.

▲ The UP ARROW button will increase a selected value

▼ The DOWN ARROW button will decrease a selected value

Set Time and Date:

Hold the SETTINGS button for three seconds to enter time set mode.

- 12/24-HOUR: The time format **12H** will flash, use the ARROW buttons to choose 12-hour or 24-hour time format and press the SETTINGS button to confirm and move to hour.
- HOUR: The **Hour** will flash, use the ARROW buttons to choose the hour, and press the SETTINGS button to confirm and move to minutes.
- MINUTES: The **Minutes** will flash, use the ARROW buttons to choose the minutes, and press the SETTINGS button to confirm and move to the year.
- YEAR: The **Year** will flash, use the ARROW buttons to choose the year, and press the SETTINGS button to confirm and move to the month.
- MONTH: The **Month** will flash, use the ARROW buttons to choose the month, and press the SETTINGS button to confirm and move to the date.
- DATE: The **Date** will flash, use the ARROW buttons to choose the date, and press the SETTINGS button to confirm and move to Fahrenheit/Celsius.
- FAHRENHEIT/CELSIUS: **°F or °C** will flash. Use the ARROW buttons to select Fahrenheit or Celsius. Press and release the SETTINGS button to confirm and exit the program menu.

Note: When no buttons are pressed for ten seconds the forecast station will save the last change and default back to normal mode.

ALARM TIME:

The TIME ALARM button moves you through alarm set mode and confirms settings.

▲ The UP ARROW button will increase a selected value

▼ The DOWN ARROW button will decrease a selected value

Set Time Alarm:

In normal mode, press and release the TIME ALARM button once to show alarm time. Hold the TIME ALARM button for three seconds to enter alarm set mode.

- HOUR: The **Hour** will flash, use the ARROW buttons to set the hour, and press TIME ALARM button to confirm and switch to minutes.
- MINUTES: The **Minutes** will flash, use the ARROW buttons to set the minutes, and press TIME ALARM button to confirm.
- Press the SETTINGS button to return to normal mode

Note: When no buttons are pressed for ten seconds the forecast station will save the last change and default back to normal mode.

Activate/Deactivate Time Alarm:

- In normal mode, press and release the TIME ALARM button once to show alarm time.
- Press and release the TIME ALARM button repeatedly to turn ON/OFF alarm. The alarm icon appears when alarm is activated. **Note**: The alarm will ring for 2 minutes then turn off if no buttons are pressed.

Snooze:

When the alarm sounds press the HI/LOW/OFF button to snooze the alarm for 10 minutes. The snooze option can be repeated three times. The alarm icon will flash while the snooze feature is active.

Note: while the alarm sounds press any button **except** the TIME ALARM button to turn the alarm off.

BACKLIGHT:

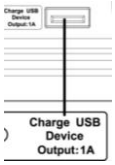
A/C adapter: The backlight is on continuously when operating the Forecast Station with the 5-volt a/c adapter.
Note: When the Adapter is NOT in use, the Hi/Low/OFF light feature is not available.

- **HIGH:** The backlight is defaulted to HI at setup when the Adapter is in use.
- **LOW:** Press and release the HI/LOW/OFF button to dim the backlight.
- **OFF:** Press and release the HI/LOW/OFF button again to turn the backlight off. Press and release the HI/LOW/OFF button again to return to full strength.
  Note: When the backlight is off, press any button to activate the backlight for 10 seconds.

Battery power: When operating on battery power only, press and release the any button and the backlight will show for 10 seconds.

USB CHARGE PORT:

The integrated USB charging port (on back) will charge your smart phone, camera or other device when the forecast station is plugged into a power outlet.
Note: This is a power output (charging) port only. This port will not supply power to the Forecast Station.



- Connect your existing USB charging cord for your external device to the USB charging port on the back of the Forecast Station to begin to charge. Charging times will vary.
- **Note: Check that your device will charge with the USB cord it came with.** Many USB cords are for data transfer only, and cannot be used for charging.
- **Output**: 1A maximum current USB. Do NOT overload USB port.

HEAT INDEX & DEW POINT TEMPERATURE:

Heat Index:

Heat Index combines the effects of heat and humidity. It is the apparent temperature of how hot it feels to a human being. As humidity increases, the body is unable to cool effectively. The temperature will feel warmer.

View Heat Index: From a normal display, press the HEAT/DEW button once and Heat Index will show instead of the outdoor ambient temperature.

Note: Heat index will be the same number as the temperature until the outdoor temperature is above 26.7° C (80 degrees ° F).

Dew Point Temperature:

Dew Point Temperature is the saturation point of the air, or the temperature to which the air has to cool in order to create condensation. The higher the dew points, the higher the moisture content of the air at a given temperature.

View Dew Point Temperature: From a normal display, press the HEAT/DEW button twice and Dew Point will show instead of the outdoor ambient temperature. The words Dew Point will show near outdoor temperatures.

Note: Dew Point is lower than the actual temperature.

TEMPERATURE TREND ICONS:

The indoor and outdoor temperature trend indicators will update every 30 minutes or less. These trends represent temperature changes over the past three hours.

→ Temperature rising more than 1°C/ 2°F in the past three hours

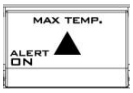
↘ Temperature has **not changed** more than 1°C/ 2°F in the past three hours.

↘ Temperature falling more than 1°C/ 2°F in the past three hours

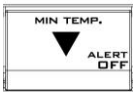
TEMPERATURE ALERTS:

Press and release the TEMP ALERT button to toggle between the temperature alerts. **Hold** the TEMP ALERT button to set individual high and low alerts.

The bell icon indicates each alert that is active.



The MAX TEMP button will turn a temperature alert ON. This button will increase an alert value in Temp Alert set mode.



The MIN TEMP button will turn a temperature alert OFF. This button will decrease an alert value in Temp Alert set mode.

One or all of the HI and LO temperature alerts may be set.

- Range for indoor temperature alert: 0°C to 50°C (+32°F to +122°F)
- Range for outdoor temperature alert: -40°C to 60°C (-40°F to 140°F)

Select Temperature Alert Values:

Hold the TEMP ALERT button for five seconds to select and set temperature alert values.

- **OUTDOOR HI** alert will flash. Press the ARROW buttons to set the alert value, and press the TEMP ALERT button to confirm. Then press the TEMP ALERT button again switch to OUTDOOR LOW setting.
- **OUTDOOR LO** alert will flash. Press the ARROW buttons to set the alert value, and press the TEMP ALERT button to confirm. Then press the TEMP ALERT button again switch to INDOOR HI setting.

- **INDOOR HI** alert will flash. Press the ARROW buttons to set the alert value, and press the TEMP ALERT button to confirm. Then press the TEMP ALERT button again switch to INDOOR LOW setting.
- **INDOOR LO** alert will flash. Press the ARROW buttons to choose the value, and press the TEMP ALERT button to confirm and exit.

Note: After selecting temperature alert values use the next step to turn individual alerts ON or OFF.

Temperature Alerts ON/OFF

- In normal mode, hold then release the TEMP ALERT button to toggle between:
  - Outdoor HI
  - Outdoor LO
  - Indoor HI
  - Indoor LO

- Press the MAX TEMP button to turn the selected alert ON. The alert icon appears when alarm is activated.
- Press the MIN TEMP button to turn the selected alert OFF.

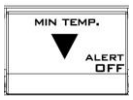
Note: When no temperature alerts are set the Temperature Alert area will show ALERTS OFF.

Temperature Alert Sounds:

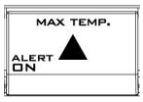
- When temperature alert sounds the corresponding alert icon will flash.
- The alert beeps once every minute, until the temperature is out of alert range.
- Press any button to stop alert. The alert symbol will still show.
- Turn alert OFF: In normal mode, hold and release the TEMP ALERT button to select the alert to turn off. With HI or LO alert selected, press the MIN button to turn that alert OFF.

MIN/MAX TEMPERATURES:

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 data:** Press and release the MIN TEMP button to view the minimum Indoor and Outdoor Temperatures.
- **Reset MIN data:** Hold the MIN TEMP button for 5 seconds and the Indoor and all Outdoor Minimum Temperatures will be reset. The temperature area will show dashes briefly then return to current temperatures.



- **View MAX data:** Press and release the MAX TEMP button to view the maximum Indoor and Outdoor Temperatures.
- **Reset MAX data:** Hold the MAX TEMP button for 5 seconds and the Indoor and all Outdoor Maximum Temperatures will be reset. The temperature area will show dashes briefly then return to current temperatures.

WEATHER FORECAST ICONS:

The Forecast Station predicts weather condition of the next 12-hours based on the change of atmospheric pressure with 70-75% accuracy.
Note: As weather conditions cannot be 100% correctly forecasted we are not responsible for any loss caused by an incorrect forecast.

Sunny Ensoleillé | Partly Sunny Partiellement ensoleillé | Cloudy Nuageux | Rainy Pluvieux | Stormy Orageux

The forecast station samples the barometric pressure every twelve minutes. These samples are averaged hourly and daily then stored in nonvolatile memory.

The three hour pressure icon change is based off of the last four average hourly readings.

THIS STATION LEARNS!
The forecast station calibrates barometric pressure based on its location over a period of time to generate an accurate, personal forecast. Please allow 3 to 4 weeks for barometer calibration.
IMPORTANT: As the forecast station builds memory, it will compare the current average pressure to the past forty day average pressure for increased accuracy. The longer the forecast station operates in one location the more accurate the forecast icons will be.

FORECAST TREND ICON:

The forecast trend arrows in the upper right corner of the forecast display indicate the rising or falling pressure trend.

Rising Pressure Falling Pressure

The up trending arrow indicates the weather is improving. The down trending arrow indicates the weather may worsen. When there is no arrow the pressure is steady.

LOW BATTERY:

- When this icon appears in the indoor (IN) reading section, replace the batteries in the Forecast Station.
- When this icon appears in the outdoor (OUT) readings section, replace the batteries in the outdoor transmitter.

CARE AND MAINTENANCE:

- **Do Not Mix Old and New Batteries**
- **Do Not Mix Alkaline, Standard, Lithium or Rechargeable Batteries**
- Do not expose the forecast station to extreme temperatures, vibration or shock.
- Keep forecast station 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, but is determined 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.

POSITION THE FORECAST STATION:

Choose a location for the forecast station that is within range of the outdoor transmitter. The forecast station has a built in base stand to sit on a table or desk.

- Choose a location 6 feet or more from electronics such as cordless phones, gaming systems, televisions, microwaves, routers, baby monitors, etc., which can prevent signal reception.
- Be aware of electrical wires and plumbing within a wall.
- Best reception is achieved when the front or the back of the forecast station is facing the outdoor transmitter. This allows a larger portion of the antenna to receive a signal.

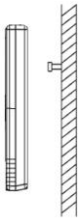
POSITION THE OUTDOOR TRANSMITTER:

Once the Forecast station shows the outdoor temperature/humidity, place it and the transmitter in the desired locations and wait approximately 1-hour before permanently mounting the transmitter to ensure that there is proper reception. The transmitter should be mounted vertically, in a shaded, protected area, at least 6 feet from the ground to avoid damage and ensure accurate readings. The transmitter 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 transmitter that is within range of the Forecast station and under an overhang for accuracy.

Option 1:

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



Option 2:

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

To achieve a true temperature/humidity reading, mount where direct sunlight cannot reach the outdoor transmitter. Mount the outdoor transmitter on a North-facing wall or in any well shaded area. Under an eave or deck rail work well. 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. Place the transmitter at least 6 feet in the air to improve signal transmission.

SPECIFICATIONS:

Indoor:

Temperature Range:	0°C to 50°C (+32°F to +122°F)
Interval:	About every 30 seconds

Outdoor:

Temperature Range:	-40°C to 60°C (-40°F to 140°F)
Distance:	Over 200 ft. (60 meters) RF 433MHz (open air)
Interval:	About every 50 seconds

Power:

Forecast Station:	3-AAA, IEC, LR6 batteries (not included)
TX141TH-BV2 Transmitter:	2-AA, IEC, LR6 batteries (not included)
USB Charge Port:	Output 1.0 amp

Battery Life:

TX141TH-BV2 Transmitter Battery Life:	Battery life is over 24 months when using reputable battery brands.
Forecast Station Battery Life:	Battery life is over 12 months when using reputable battery brands.

Dimensions:

Forecast Station:	150 x 42 x 123 mm (5.91” L x 1.66” W x 4.84” H)
TX141TH-BV2 Transmitter:	(40 x 20 x 130 mm (1.57" L x 0.79" W x 5.12" H)

WARRANTY INFORMATION:

Limited Warranty: Springfield warrants this instrument to be free from defects in workmanship and material for a period of 1 year from date of purchase, and will repair or replace it at our option, without charge.
Please call 1-800-661-6721
For Warranty Service:
Springfield Instruments Canada
Warranty
5151 Thimens Blvd
St Laurent, Quebec H4R 2C8

CANADA STATEMENT:

This device complies with Industry Canada licence-exempt RSS standard(s). 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.

Product Registration:
www.lacrossetechnology.com/support/register

The complete instruction manual is available at:
www.lacrossetechnology.com/ca85176

Protected under U.S. Patents:
5,978,738
6,076,044
6,597,990

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 complies with Part 15 of the FCC Rules.
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!
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.