

LA CROSSE[®]
TECHNOLOGY

Wireless **Weather Station**

with **Atomic Time + Date**



SET UP GUIDE

MODEL: S74177

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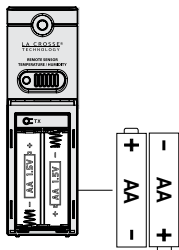
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Power Up

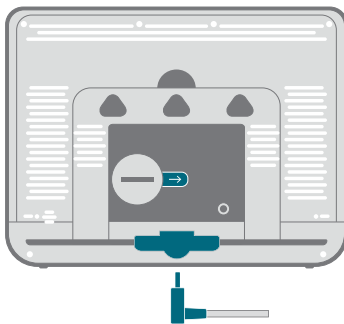
1. Insert 2-AA batteries into your Outdoor Sensor.
2. Insert the 5V Power Adapter into an outlet, and then plug it into the Power Jack on the back of the station. Next, remove the Insulation Tab from the station's Battery Compartment.
3. Once the sensor is reading your stations, place it outside in a shaded location to protect it from the sun's heat.

Watch our sensor mounting video: bit.ly/th_sensor_mounting

Outdoor Sensor
TX141TH-Bv4



Weather Station
S74177



Button Functions



ALERTS	Hold until the display changes, to enter Alert Settings. Alerts: Press and release to move to next item.
EXTRA	Press and release to view Pressure or Extra Sensors (if added), or scroll through all extra sensors and pressure. Hold to search for all Extra Sensors.
+ (PLUS)	Settings: Press and release to increase values. Alerts: Press and release to arm/disarm alerts.
SET	Hold until the display changes, to enter Settings Menu. Settings: Press and release to confirm and move forward.
- (MINUS)	Settings: Press and release to decrease values. Alerts: Press and release to arm/disarm alerts. History: Hold to reset History Records. Extra Sensors: While viewing Extra Sensor, hold to delete sensor.
ATOMIC	Press and release to manually search for the Atomic Time Signal.
HEAT/DEW	Press and release to view Heat Index and Dew Point Temperature.
TEMP	Hold to search for Outdoor Sensor.
HISTORY	Press and release to view History Records.
LIGHT	Press and release to adjust backlight. Hold until the display changes, to enter Auto Dim Settings.
RESET	Hold to factory reset station.

Note: When programming your station, press or hold one button at a time.

Settings Menu

1. Hold the **SET** button until the display changes, to enter the Settings Menu.
2. Press and release the **+/-** buttons to adjust values.
3. Press and release the **SET** button to confirm values and move to the next setting.
4. Press and release the **LIGHT** button at any time to save and exit.

Settings Menu Order:

- Greeting
- Language (English, Spanish, French, German)
- Beep ON/OFF
- Atomic ON/OFF
- DST: AUTOMATIC ON / ALWAYS ON / ALWAYS OFF
(Change Spring/Fall) / (DST all year) / (Standard Time all year)
- Time Zone
- 12HR/24HR Time
- Hour
- Minute
- Year
- Month
- Date
- Fahrenheit/Celsius
- Decimal/No Decimal (Temperature Reading)
- Pressure: InHg / hPa
- Pressure number setting
- Thank You

7 Time Zones

ATLANTIC
EASTERN
CENTRAL
MOUNTAIN
PACIFIC
ALASKA
HAWAII

Language: The language selected in this menu will control other menu items, as well as your full weekday readout.

Atomic OFF: When Atomic OFF is selected, you will move directly to 12/24 Hour setting.

DST: Select Automatic ON for correct daylight saving time adjustments.

Weekday: Will set automatically when your Year, Month, and Date are set.

Atomic Time

- Your station will automatically search for the Atomic Time Signal at UTC 7:00, 8:00, 9:00, 10:00, and 11:00.
- Press and release the **ATOMIC** button to manually start or stop a search for the WWVB Atomic Time Signal.
- The Tower Icon (📶) will flash while searching, and remain solid on screen when the WWVB Signal is received.
- For information about WWVB Atomic Time visit: bit.ly/AtomicTime

Adjustable Backlight

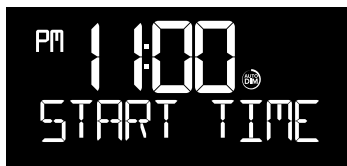
- Press and release the front **LIGHT** button to adjust the backlight intensity.
- There are 4 brightness levels, plus an off option.



Auto-Dim Settings

Program your display to automatically dim during preselected times.

1. Hold the **LIGHT** button until the display changes, to enter the Auto-Dim Settings Menu.
2. Press and release the **+/-** buttons to turn the Auto-Dim feature on or off. Press **LIGHT** to confirm.
3. Press and release the **+/-** buttons to adjust the starting hour. Press **LIGHT** to confirm.
4. Press and release the **+/-** buttons to adjust the stopping hour. Press **LIGHT** to confirm and exit.



Note: Only the hour can be set.

Indoor Comfort Level

Using relative humidity, these arrows will indicate your indoor comfort level. A feature that can help keep your home safe and comfortable.



Note: Indoor Humidity may not change frequently.

Moon Phase

The moon phase is based on the Lunar Calendar and the year, month, and date settings.



New Moon



Small Waxing Crescent



Large Waxing Crescent



First Quarter



Small Waxing Gibbous



Large Waxing Gibbous



Full Moon



Large Waning Gibbous



Small Waning Gibbous



Last Quarter



Large Waning Crescent



Small Waning Crescent

Seasonal Foliage

The foliage scene in the forecast section changes seasonally.
The dates are pre-programmed.

Seasonal Trees Changes



Spring (March 20th to June 20th)



Summer (June 21st to Sept. 20th)



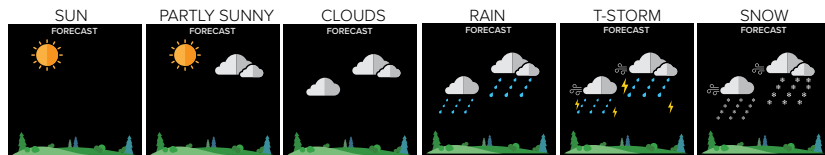
Fall (Sept. 21st to Dec. 20th)



Winter (Dec. 21st to March 19th)

Forecast Icons

- The forecast icons use the station's internal barometer to predict conditions to come within the next 12 hours.
- Allow 7-10 days for station calibration for most accurate forecasts.
- The Snow Icon will show when temperatures are below 32°F (0°C) and rain or storms are predicted.
- The Sun Icon will show in daylight hours (7am to 6:59pm) and the Moon Icon will show during nighttime (7pm to 6:59am) for clear or partly clear forecasts.
- For more information on forecast visit: bit.ly/forecast_vid



Pressure

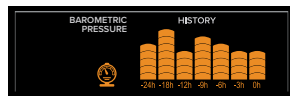
Pressure Number

Your Relative Pressure reading will come from your station's internal barometer. Allow up to 10 days for automatic calibration. Or you can program your local pressure value in the Settings Menu. The arrows on the left represent rising and falling tendency.

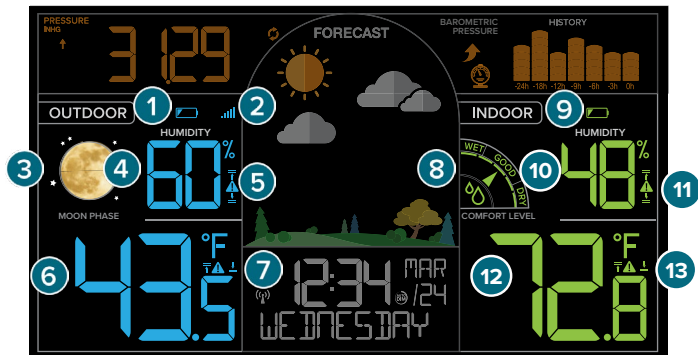


Pressure History Graph

Read from left to right, the Pressure History Graph indicates the rise and fall in air pressure over the past 24 hours.



Temperature & Humidity Icons



1. LOW BATTERY ICON

Low Battery Sensor

2. RECEPTION ICON

Indicates if the station is receiving data from the sensor.

3. MOON PHASE

Current Moon Phase

4. OUTDOOR HUMIDITY

Current Outdoor Humidity.

5. HUMIDITY ALERT ICONS

Shows an Alert is armed.

6. OUTDOOR TEMPERATURE

Current Outdoor Temperature.

7. TEMP. ALERT ICONS

Shows an Alert is armed.

8. INDOOR COMFORT METER

The arrow indicates comfort level based on the indoor humidity.

9. LOW BATTERY ICON

Low Battery Station

10. INDOOR HUMIDITY

Current Indoor Humidity.

11. HUMIDITY ALERT ICONS

Shows an Alert is armed.

12. INDOOR TEMPERATURE

Current Indoor Temperature.

13. TEMP. ALERT ICONS

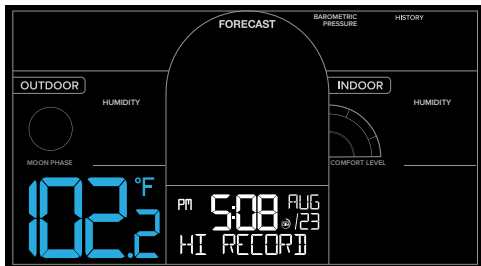
Shows an Alert is armed.

History Records

From normal time display, press and release the **HISTORY** button to toggle through indoor/outdoor temperature and humidity records with time and date stamps.

Records Viewing Order

- Outdoor High Temperature
- Outdoor Low Temperature
- Outdoor High Humidity
- Outdoor Low Humidity
- Indoor High Temperature
- Indoor Low Temperature
- Indoor High Humidity
- Indoor Low Humidity



Resetting Individual Records

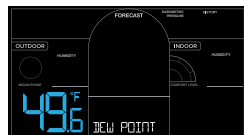
1. Press and release the **HISTORY** button to view the value you'd like reset.
2. Hold the **(-) MINUS** button until dashes appear, indicating that value has been reset to your current readings.

Note: When an add-on Rain Sensor is connected, the Rain History will show first when the HISTORY button is pressed. There is no history for add-on Temperature/Humidity sensors.

Rain History: 1 Hour, 24 Hours, 7 Days, 1 Month, Year, and Total.

Heat Index and Dew Point Temperature

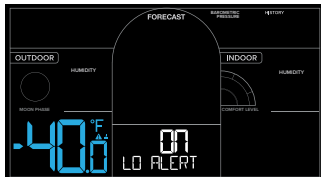
Press and release the **HEAT/DEW** button to view Heat Index and Dew Point Temperature.



Customizable Alerts

Setting Custom Alerts

1. Hold the **ALERTS** button until the display changes to enter the Alert Settings Menu.
2. Press and release the **+/-** buttons to activate/deactivate and adjust alerts settings. Press **ALERTS** to confirm your selection.
3. Your programmed alerts are active when the   



Alerts Setting Order

Outdoor Low Temperature • Outdoor High Temperature • Outdoor Low Humidity
Outdoor High Humidity • Indoor Low Temperature • Indoor High Temperature
Indoor Low Humidity • Indoor High Humidity

Activating/Deactivating Alerts

When in the Alerts Settings Menu, use the **+/-** buttons to activate or deactivate alerts. Indicated by the    Alert Icons in that section.

Alert Sounds

- When alert value is reached, station will beep 5 times each minute, until out of alert range. Press any button to stop the alert sound
- The Alert Icon will remain flashing until out of the alert range.

Extra Sensor Area

This station can display data for an add-on Rain Gauge as well as up to 3 additional Temp & Humidity Sensors. These readings will all appear in the upper left section of the LCD in place of the pressure reading.



Add Extra Sensors:

1. Install batteries into your extra sensor(s).

Note: For Temp/Humidity sensors, be sure to select different channels (1,2,3) before you insert batteries.

2. Hold the **EXTRA** button on the station until the Reception Indicator  starts to animate. This will start a search for your Extra Sensors.
3. Your sensor(s) should connect within the next few minutes. Press the **EXTRA** button to cycle through Extra Sensor and Pressure data. The Auto Scroll Icon  will appear when activated.

Delete Extra Sensors:

It's possible the station will pick up a neighboring sensor. To remove it, press the **EXTRA** button to view that sensor. And while viewing it, hold the **- (MINUS)** button to delete it.

Purchase Extra Sensors:

Visit bit.ly/s74177_parts to find and purchase compatible add-on sensors.



Search for Outdoor Sensor

If you are seeing “NO” or dashes for your outdoor readings, please try the following steps:

1. Hold the **TEMP** button to search for your outdoor sensor. The Reception Indicator  will begin to animate.
2. If after 3 minutes the sensor still isn't connected, bring the sensor inside next to the display and remove power (adapter and batteries) from the sensor and station.
3. Press any button on the station 20 times and leave the parts sit for a few moments with the power off.
4. Install a new set of alkaline batteries into the sensor, then power up your station again.
5. If your outdoor data is still not appearing after these steps, please contact our support staff. For additional help visit: bit.ly/basic_restart

Low Battery Indicator

- Low Battery Icon  by Outdoor Temperature, replace batteries in the Outdoor Sensor.
- Low Battery Icon  by Indoor Temperature, replace batteries in the Weather Station.
- Low Battery Icon  in the Extra Area, replace batteries in sensor that is showing at the time.

Stay in Touch!

Ask questions, watch set up videos, and provide feedback on our social media outlets. Follow La Crosse Technology on Youtube, Facebook, and Instagram.



We're Here to Help

If you require additional assistance, get in touch with our friendly customer support team based in La Crosse, WI.

Phone: 1-855-605-6888

Online: bit.ly/contact_techsupport

Self Help: bit.ly/s74177_support

Our knowledgeable customer support team is available:
Mon-Fri 8am-6pm CST

SCAN HERE
*Additional Info.
and Support*



Specifications

Weather Station (S74177)

- **Temperature Range:** 32°F to 122°F
(0°C to 50°C)
- **Humidity Range:** 10% - 99% RH
- **Relative Pressure Range:**
23.62 to 32.48 inHg
(800 to 1100 hPa)
- **Power Requirements:**
5-volt power adapter (included)
AC6: GPU280500150WAOO
- **Battery Backup:**
1 “CR2032” Coin Cell Battery
(included)

The plug on the power adapter is intended to serve as the disconnect device, the socket-outlet shall be installed near the equipment and shall be easily accessible.

- **Dimensions:**
8.30 in. L x 1.13 in. W x 6.33 in. H
(21.09 cm L x 2.88 cm W x 16.09 cm H)

Outdoor Sensor (TX141TH-Bv4)

- **Temperature Range:**
-40°F to 140°F
(-40°C to 60°C)
- **Humidity Range:** 10% - 99% RH
- **Transmission Range:**
Over 330 feet (100 meters) in
open air RF 433MHz
- **Update Interval:**
About every 51 seconds
- **Power:** 2-AA, IEC, LR6 batteries
(not included)
- **Battery Life:** Over 24 months
- **Dimensions:**
1.58 in. L x 0.83 in. W x 5.08 in. H
(3.99cm L x 2.10cm W x 12.99cm H)

Coin Cell Battery Warning

Replace the Coin Cell Battery

1. Use a screwdriver to turn the battery cover to the left to remove it.
2. Pull back the metal pin and gently remove the battery.
3. Insert a fresh CR2032 battery with the + side up and snap into place.
4. Replace the battery cover and use the screwdriver to turn it to the right to lock.

Caution!



WARNING

1. This product contains a coin cell battery.
2. If swallowed, it could cause severe injury or death in just 2 hours.
3. Seek medical attention immediately.

WARNING: KEEP BATTERIES OUT OF REACH OF CHILDREN

1. Swallowing may lead to serious injury in as little as 2 hours or death, due to chemical burns and potential perforation of the esophagus.
2. If you suspect your child has swallowed or inserted a coin cell battery, immediately seek urgent medical assistance.
3. Examine devices and make sure the battery compartment is correctly secured, e.g. that the screw or other mechanical fastener is tightened.
4. Do not use if compartment is not secure.
5. Dispose of used coin cell batteries immediately and safely.
6. Flat batteries can still be dangerous.
7. Tell others about the risk associated with coin cell batteries and how to keep their children safe.

Care & Maintenance

When batteries of different brand or type are used together, or new and old batteries are used together, some batteries may be over-discharged due to a difference of voltage or capacity. This can result in venting, leakage, and rupture and may cause personal injury.

- Do not mix Alkaline, Lithium, standard, or rechargeable batteries.
- Always purchase the correct size and grade of battery most suitable for the intended use.
- Always replace the whole set of batteries at one time, taking care not to mix old and new ones, or batteries of different types.
- Clean the battery contacts and also those of the device prior to battery installation.
- Ensure the batteries are installed correctly with regard to polarity (+ and -).
- Remove batteries from product during periods of non-use. Battery leakage can cause corrosion and damage to this product.
- Remove used batteries promptly.
- For recycling and disposal of batteries, and to protect the environment, please check the internet or your local phone directory for local recycling centers and/or follow local government regulations.



WARNING: CHOKING HAZARD—Small Parts
Not for children under 3 years



WARNING

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as 2 hours.
- **KEEP** new and used batteries **OUT OF REACH OF CHILDREN.**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any body part.



WARNING: KEEP OUT OF REACH OF CHILDREN



1. Swallowing may lead to serious injury in as little as 2 hours or death, due to chemical burns and potential perforation of the esophagus.
2. If you suspect your child has swallowed or inserted a coin cell battery, immediately seek urgent medical assistance. Call a local poison control center for treatment information.
3. Examine devices and make sure the battery compartment is correctly secured, e.g. that the screw or other mechanical fastener is tightened.
4. Do not use if compartment is not secure.
5. Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
6. Flat batteries can still be dangerous. Even used batteries may cause severe injury or death.
7. Tell others about the risk associated with coin cell batteries and how to keep their children safe.



INGESTION HAZARD:

This product contains a button cell or coin battery.

WARNING:

- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- Coin cell battery type: CR2032 (3Vdc x 1).
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above (140°F (60°C)) or incinerate. Doing so may result in injury due to venting, leakage, or explosion resulting in chemical burns.
- Ensure batteries are installed correctly according to polarity (+ and -).
- Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

Warranty & Patents

La Crosse Technology Ltd. provides a 1-year limited-time warranty on this product relating to manufacturing defects in materials & workmanship. Per the Song-Beverly Act, in the state of California, the warranty on this item becomes effective on the date of delivery.

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

For Full Warranty Details, Visit: www.lacrossetechnology.com/pages/warranty
Patents: www.lacrossetechnology.com/pages/patents

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.

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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.

California Statement

 **WARNING:** This product can expose you to chemicals including acrylonitrile, 1, 3-butadiene, and styrene, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to: www.P65Warnings.ca.gov



DOUBLE YOUR WARRANTY



Scan Here

Scan the QR code above or visit bit.ly/s74177_register to register your product and double the standard 1-year warranty for free by opting to receive occasional product emails.