

Wireless Forecast Station with Pressure History

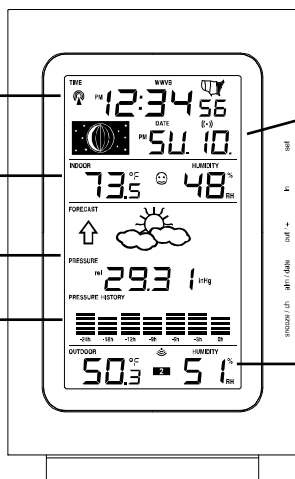
FRONT VIEW

Time +
WWVB Icon

Indoor Temp,
Humidity +
Comfort Icon

Forecast Icon +
Tendency

Barometric
Pressure +
24 hour
Pressure
History Graph



Date, Alarm
Time, Moon
Phase

SET button

IN button

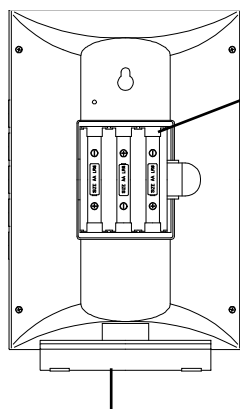
OUT/+ button

ALM/DATE button

SNOOZE/CH button

Outdoor
Temperature
°F/°C + Channel
Indicator

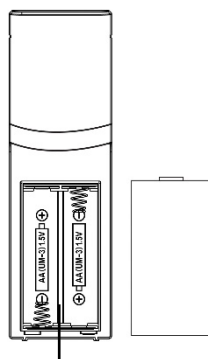
BACK VIEW



Battery
Compartment
3 "AA"
batteries

Removable
Stand

TX29UDTH-IT Remote Sensor



Battery
Compartment
2 "AA" batteries

Get Started

Step 1: Insert the 2 *new* AA batteries (not included) into the TX29UDTH-IT remote sensor. Observe the correct polarity.

Step 2: Insert the 3 *new* AA" Alkaline batteries (not included) into the weather station. Observe the correct polarity

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

Set Time, Date, Temperature Unit

1. Hold the **SET** button to enter SET mode.
2. Press the **OUT/+** button to adjust the values.
3. Press the **SET** button to confirm adjustments and move to the next item.

SET	IN	OUT / +
<input type="text"/>	<input type="text"/>	<input type="text"/>

Time setting order:

1. Contrast 1-7
2. Time Zone - 7 time zones
3. DST (Daylight Saving Time On/Off)
4. RCC ON/OFF (WWVB signal)
5. 12/24 hour time format
6. Hour
7. Minutes
8. Year
9. Month
10. Date
11. Fahrenheit/Celsius
12. InHg or hPa (Pressure unit of measure)
13. Relative pressure
14. Forecast Sensitivity (low for ocean, high for desert)

This clock has time zones from GMT 0 to +/-12h
North American time zones:

-4 h -	Atlantic
-5 h -	Eastern (default)
-6 h -	Central
-7 h -	Mountain
-8 h -	Pacific
-9 h -	Alaska
-10 h -	Hawaiian

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

Set Time Alarm

1. Hold the **ALM/DATE** button to enter alarm SET mode. Hours and minutes will flash together.
2. Press the **IN** button to set the hour and the **OUT/+** button to adjust the minutes.
3. Press the **SNOOZE/CH** button to confirm & exit.

ALM / DATE	OUT / +
<input type="text"/>	<input type="text"/>

SNOOZE / CH
<input type="text"/>

Activate/Deactivate Time Alarm

- **ACTIVATE:** Press and release the **ALM/DATE** button to toggle between the alarm and day/date. When the alarm time and alarm icon are showing to the right of the moon phase, the alarm is activated.
- **DEACTIVATE ALARM:** Press and release the **ALM/DATE** button and alarm icon will disappear. When the day and date are showing, the alarm is deactivated.



Alarm
Icon

ALM / DATE

Snooze (Silences Alarm Temporarily)

- When the time alarm sounds, press and release the **SNOOZE/CH** button. The snooze will be activated for 10 minutes.
- Press and release any button, other than the **SNOOZE/CH** button to silence the alarm.

SNOOZE / CH

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

Moon Phase

The moon phase is based on the year, month and date, set manually or set by the WWVB signal.



New Moon



Small Waxing
Crescent



Large Waxing
Crescent



First Quarter



Small Waxing
Gibbous



Large Waxing
Gibbous



Small Waning
Crescent



Large Waning
Crescent



Last Quarter



Small Waning
Gibbous



Large Waning
Gibbous



Full Moon

Forecast Icons

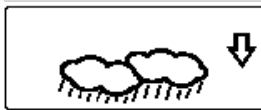
The forecast station uses changing atmospheric pressure to predict weather conditions for the next 12-hours with 70-75% accuracy.



Sunny



Partly Sunny



Rainy

Forecast Trend Arrows

The up or down arrow indicate current trends in air pressure.

Up Arrow: Air pressure is increasing; weather will improve.

Down Arrow: Air pressure is decreasing; weather will degrade.

No Arrow: Air pressure is stable

Indoor Comfort Level Icon

The comfort level indicator appears in between the indoor temperature and humidity.

Indoor
Comfort
Icon



Happy Face will display when the temperature is between 68 and 79 degrees Fahrenheit (20 and 25.9 degrees Celsius) and the humidity is between 45% and 64% Rh.

Sad Face will be displayed when the temperature and humidity are outside the above mentioned ranges.

View/Reset MIN/MAX Values

The forecast station shows MIN/MAX temperatures with time and date of occurrence.

IN

OUT / +

Note: To view a 24-hour min/max reading, reset the min/max temperatures at the same time each day.

View Indoor MIN/MAX: Press the **IN** button to display Indoor Max, Min and Current records with time and date stamp.

Reset Indoor Records: Press the **IN** button to select the record you wish to reset. Hold the SET button for five seconds. The record is now reset to the Current Date, Temperature and Humidity.

Note: Each Min or Max value will need to be reset separately.

View Outdoor MIN/MAX: Press the **OUT/+** button to display the Outdoor Max, Min and Current records with time and date stamp.

Reset Outdoor Records: Press the **OUT/+** button to select the record you wish to reset. Hold the SET button for five seconds. The record is now reset to the Current Date, Temperature and Humidity.

Note: Each Min or Max value will need to be reset separately.

Note: Press the **SNOOZE/CH** to view outdoor minimum/maximum reading when using multiple transmitters.

Outdoor Temperature Reception Icon/Channel Indicator

- The outdoor temperature reception icon will flash every second when searching for the sensor.



- Once connected, the icon will show for 3 seconds when outdoor temperature update is received.
- The channel indicator will show below the reception icon.
- Press the **SNOOZE/CH** button to view sensors on other channels.

2

Outdoor
Channel
Icon

Note: Channel 1 will not show if only one sensor is connected.

Setup with Multiple Sensors

1. Insert batteries into sensor 1
2. Insert batteries into the forecast station
3. When outdoor temperature appears, insert batteries into sensor 2
4. When channel 2 appears insert batteries into sensor 3
5. Keep the forecast station and all sensors together for 15 minutes.

24 Hour Pressure History Graph

- The bar chart indicates the air pressure history trend over the last 24 hours.
- The columns represent the pressure change ("InHg" or "hPa") readings at specific times.
- 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 get worse from the present time.
- The numeric barometric air pressure reading is displayed directly under the weather forecast icon. You can set this to your local reporting station through the program menu.



Manual WWVB Atomic Time Signal Search

For information about WWVB visit:
www.nist.gov/pml/div688/grp40/wwvb.cfm

WWVB
ATOMIC
ICON



ATOMIC SIGNAL SEARCH:

The forecast station will search for 1 hour between midnight and 6am until the WWVB time signal is received. After reception, the forecast station will only search for the atomic signal after midnight.

Low Battery Icon

- The low battery icon will show when the forecast station needs fresh batteries.



Low Battery
Icon

Specifications

Indoor

Temperature Range:	+14.2°F to +139.8°F (-9.9°C to 59.9°C)
Humidity Range:	20%-95% (RH)

Outdoor

Temperature Range:	-39.8°F to 139.8°F (-39.9°C to 59.9°C)
Humidity Range:	1%-99% (RH)
Distance:	Over 330 ft. (100 meters) RF 915MHz (open air)

Power

Weather Station	2 "C" IEC LR14 Alkaline Batteries (not included)
TX29UDTH-IT Remote Sensor:	2-AA, IEC, LR6 batteries (not included)

Battery Life

Weather Station	Battery life is over 24 when using reputable battery brands
TX29UDTH-IT Remote Sensor:	Battery life is over 24 months when using reputable battery brands

Dimensions

Weather Station:	6.88" x 4.72" x 1.22" (175 x 120 x 31 mm)
TX29UDTH-IT Remote Sensor:	1.50" x 0.83" x 5.05" (38.2mm x 21.2mm x 128.3mm)

Remote Sensor Use and Positioning

- Mount the Remote 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 330 feet (100 meters) in open air, not including walls or floors.
- Be sure the remote sensor is mounted vertically.

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 the 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 correctly with regard to polarity (+and -).
- Remove batteries from equipment with is not to be used for an extended period of time.
- Remove used 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, change the batteries.

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.

Before returning a product, please contact our friendly customer support with questions or visit our online help (manuals and FAQs):

Phone: 1-608-782-1610

Online Product Support: www.lacrossetechnology.com/support

Warranty Address:

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

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

Model: WS-9037U-IT www.lacrossetechnology.com/support **Page | 7**

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!

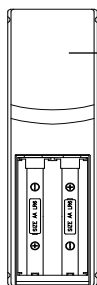
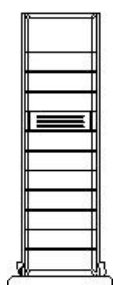
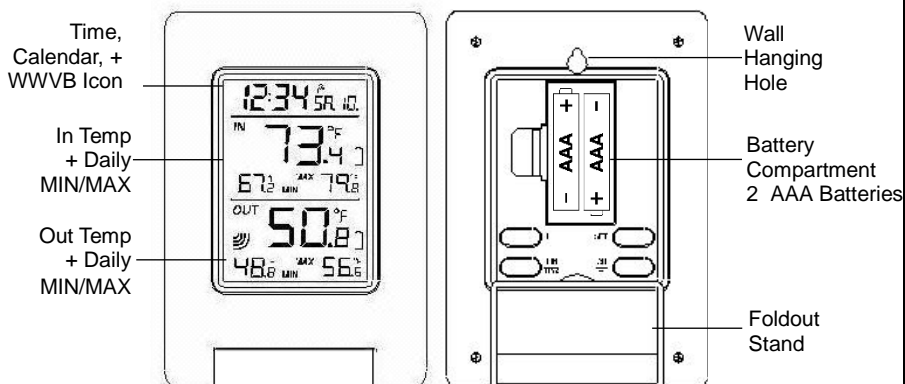
The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment.

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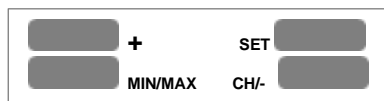
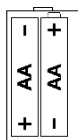
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Wireless Temperature Station



TX29U-IT Sensor



Buttons

Get Started

1. Insert 2 NEW AA batteries (not included) into the TX29U-IT outdoor sensor. Observe the correct polarity.
2. Insert 2 NEW AAA Alkaline batteries (not included) into the temperature station. Observe the correct polarity.
3. After 5 minutes, place the sensor outside in a shaded location. Maximum range is 330 feet (100 meters) open air.

Time Set (Time, Date & F/C)

1. **Hold** the **SET** button to enter time set mode.
2. Press the **+** or **CH/-** buttons to adjust values.
3. Press the **SET** button to confirm adjustments and move to the next item.

Settings order:

1. LCD contrast
2. Time Zone (GMT +/- 12)
3. Daylight Saving Time Indicator ON/OFF
4. Atomic Time Reception (RCC) ON/OFF
5. 12/24 Hour Time Format
6. Hour
7. Minutes
8. Year
9. Month
10. Date
11. Fahrenheit/Celsius

Time Zones - GMT +/- 12 North American Time Zones:	
-4h	Atlantic
-5h	Eastern
-6h	Central
-7h	Mountain
-8h	Pacific
-9h	Alaska
-10h	Hawaii

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

MIN/MAX Readings (Daily MIN/MAX & Time/Date Stamped)

The temperature station offers indoor/outdoor MIN/MAX readings as a daily update and as a time/date stamped historical record.

Daily MIN/MAX

- The daily MIN/MAX records are always shown on the temperature station under the indoor and outdoor temperature.
- Daily minimum resets automatically at 8pm each day.
- Daily maximum resets automatically at 8am each day.
- These values cannot be reset manually

Time/Date Stamped MIN/MAX

- Press and release the **MIN/MAX** button to view: Indoor minimum, indoor maximum, outdoor minimum and outdoor maximum temperatures.
- Each minimum and maximum temperature will show the time and date of occurrence.

- **Hold** the **MIN/MAX** button to reset all time/date stamped MIN/MAX readings.
- This reset will not change the daily MIN/MAX readings.

Display Modes (Weekday/day, Month/date, Seconds)

Press the **+** button to change what is displayed next to the time:

- Weekday & Day
- Month and Date
- Seconds

Setup with Multiple Outdoor Sensors

The temperature station can receive up to 3 outdoor transmitters. Extra TX29U-IT transmitters may be found online or at your retailer. Additional transmitters allow you to monitor remote temperatures of up to 3 locations within a 330 Ft wireless range of the temperature station.

1. Remove batteries from the temperature station and all outdoor sensors for 15 minutes.
2. Insert batteries into the **first** TX29U-IT outdoor sensor. Observe the correct polarity.
3. Insert batteries into the temperature station. Observe the correct polarity.
4. When outdoor temperature shows on the temperature station, insert batteries into the **second** TX29U-IT outdoor sensor. Observe the correct polarity.
5. When channel 2 shows on the temperature station, insert batteries into the **third** TX29U-IT outdoor sensor. Observe the correct polarity.
6. Let all sensors sit next to the temperature station for 15 minutes before positioning outside in a shaded location.

Channel Indicator (When multiple outdoors sensors are in use)

- Press and release the **CH/-** button to view a different channel. A shift from one number to the next should be observed in the OUTDOOR LCD.

Note: When only one transmitter is connected, you cannot see other channels and the channel indicator will not show.

Outdoor Sensor Reception Icon

- When the signal is successfully received from the outdoor transmitter, the icon will flash every 4 seconds when it updates.
- The icon will flash every second when searching for the outdoor transmitter signal.
- If reception is not successful, the icon will not be shown in LCD.



WWVB Radio-Controlled Time

For info visit:

www.nist.gov/pml/div688/grp40/wwvb.cfm

WWVB
icon



Position Temperature Station on Wall or Tabletop

- Hang on wall with wall hang hole on back of temperature station.
- Use the fold out stand to set on desk or table.

Position Outdoor Transmitter

- Mount the outdoor transmitter on a North-facing wall or in any well shaded area. Under an eave or deck rail is preferred.
- The maximum transmitting range to the temperature station is over 330-feet (100 meters) in open air, not including walls.

Low Battery Icon – Warns to Replace Batteries

Temperature Station: Icon displays in Indoor LCD section

Transmitter: Icon displays in Outdoor LCD section



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 suitable for the 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 correctly in regard to polarity (+/-).

- Remove batteries from equipment when it is not to be used for an extended period.
- Promptly remove expired batteries.

Specifications	
Indoor Temperature Range:	32°F to 139.8°F (0°C to 59.9°C)
Outdoor Temperature Range:	-39.8°F to 157.8°F (-39.9°C to 69.9°C)
Distance:	Over 330 ft. (100 meters) RF 433MHz (open air)
Update interval:	about every 4 seconds
Power Requirements:	
Temperature Station:	2-AAA, IEC, LR3 batteries (not included)
TX29U-IT sensor:	2-AA, IEC, LR6 batteries (not included).
Battery Life TX29U-IT	Battery life is over 24 months when using reputable battery brands
Temperature Station Battery Life:	Battery life is over 12 months when using reputable battery brands
Dimensions:	
Temperature Station:	3.74" L x .074" W x 5.35" H (95 x 18.8 x 136mm)
TX29U-IT:	1.5" L x 0.83" W x 5.05" H (38.2 x 21.2 x 128.3mm)

Warranty and Support Information

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

View full warranty details online at:

www.lacrossetechnology.com/warranty_info.pdf

Contact Support: 1-608-782-1610

Online Product Support:

www.lacrossetechnology.com/support

Product Registration:

www.lacrossetechnology.com/support/register

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- (2) This device must accept any interference received, including interference that may cause undesired operation.

Caution!

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