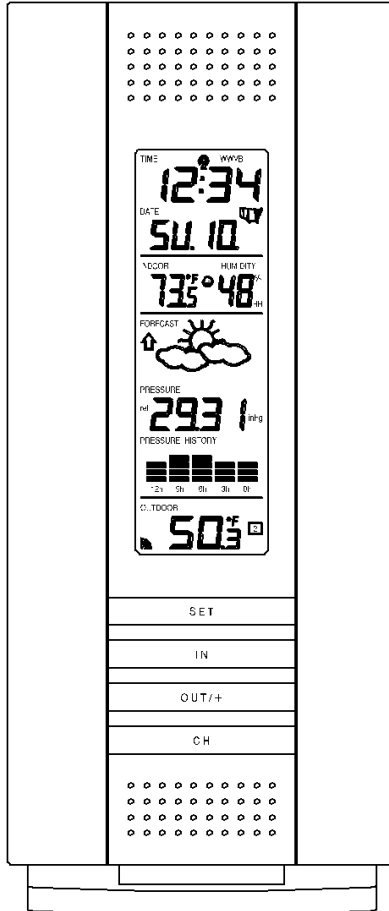


WS-7394U-IT Wireless 915 MHz Wireless Weather Station

Instruction Manual



Tomorrow's Weather Today™

TABLE OF CONTENTS

Topic	Page
Inventory of Contents/ Additional Equipment	3
About WWVB	3
Quick Set Up Guide	4
Detailed Set Up Guide	
Battery Installation	5
Start Up Sequence	6
Explanation of LCD Information	7
Function Key Layout	8
<i>Program Mode</i>	
Overview of Programming Sequence	8
LCD Contrast Setting	8
Time Zone Setting	9
DST ON/OFF Setting	9
Radio-controlled Time ON/OFF Setting	9-10
12/24-hour Time Mode Setting	10
Setting the Time/Date Manually	10-11
Temperature Measuring Units (°F/°C)	12
Air Pressure Measuring Units (inHg/hPa)	12
Relative Pressure Setting	12
Forecast Sensitivity Setting	13
Features and Operation	
Minimum/Maximum Temperature/Humidity	14
Multiple Remote Temperature/Humidity Sensors	15-16
Comfort Icon	16
Weather Forecast and Pressure Trend Indicators	16
Weather Icons	16-17
Weather Tendency Arrows	17
Barometric Air Pressure Reading	17
Air Pressure History Bar Chart	17-18
Mounting	19-20
Maintenance and Care	20
Troubleshooting Guide	21
Specifications	22
Warranty Information	23-24

This product offers:



INSTANT TRANSMISSION is the state-of-the-art new wireless transmission technology, exclusively designed and developed by LA CROSSE TECHNOLOGY. *INSTANT TRANSMISSION* offers you an immediate update (every 4 seconds!) of all your outdoor data measured from the sensors: follow your climatic variations in real-time!

INVENTORY OF CONTENTS

1. WS-7394U-IT— **Wireless Weather Station** (Figure 1)
2. TX29U-IT—remote temperature sensor (figure 2)
3. Instruction manual and warranty card

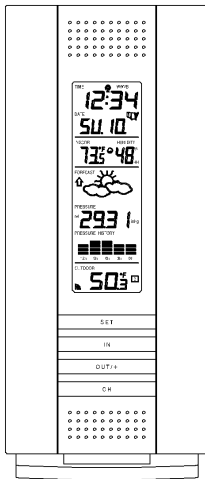
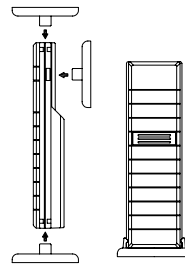


Figure 1



Mounting Bracket TX29U-IT remote temperature sensor

Figure 2

ADDITIONAL EQUIPMENT (not included)

1. Five fresh AA 1.5V alkaline batteries.
2. One wall-mounting screw (optional)

ABOUT WWVB (radio-controlled time)

The NIST (National Institute of Standards and Technology—Time and Frequency Division) 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 Wireless Weather Station. However, due to the nature of the Earth's Ionosphere, reception is very limited during daylight hours. The Wireless Weather 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 measure 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. For more information about WWVB please see the NIST website at <http://www.boulder.nist.gov/timefreq/stations/wwvb.htm>

QUICK SET-UP GUIDE

Hint: Use good quality Alkaline Batteries and avoid rechargeable batteries.

1. Have the **Wireless Weather Station** and remote temperature sensor 3 to 5 feet apart.
2. Batteries should be out of both units for 10 minutes.
3. Place the batteries into the **remote temperature sensor** first then **Wireless Weather Station**.

(All remote temperature sensors must be started before the Wireless Weather Station)

4. DO NOT PRESS ANY BUTTONS FOR 15 MINUTES.

In this time the **Wireless Weather Station** and remote temperature sensor will start to talk to each other and the display will show both the indoor temperature and humidity, and an outdoor temperature. If the **Wireless Weather Station** does not display both temperatures after the 15 minutes please retry the set up as stated above. After both indoor and outdoor temperatures are displayed for 15 minutes you can place your remote temperature sensor outdoor and set your time.

The remote temperature sensor should be placed in a dry, shaded area. The temperature sensor has a range of 330 feet. Keep in mind that the 330 feet is in open air with no obstructions and that radio waves DO NOT curve around objects. Actual transmission range will vary depending on what is in the path of the signal. Each obstruction (roof, walls, floors, ceilings, thick trees, etc.) will effectively cut signal range in half.

Example: A **Wireless Weather Station** with a 330 foot range is mounted on an interior wall, so that the signal has to pass through one interior wall, one exterior wall, and across the 10 feet width of the room between the 2 walls. The first wall will reduce the range to 165 feet, and the second wall will reduce the range to 87 feet. Factoring in the 10 foot room, this leaves a maximum of 77 feet of remaining signal range.

This allowance is typically enough for a frame wall with non-metallic siding; however certain materials can reduce range even further. Metal siding, stucco, and some types of glass can reduce signal range by as much as $\frac{3}{4}$ or more, compared to the $\frac{1}{2}$ reduction typical of most obstructions. It is possible to receive a signal through these materials, however maximum range will be much less due to their tendency to absorb or reflect a much larger portion of the sensor's signal.

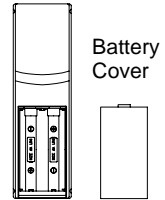
DETAILED SET-UP GUIDE

I. BATTERY INSTALLATION (When one temperature sensor is being used)

1. First, insert the batteries to the temperature sensor (see “A. Remote Temperature Sensor” below).
2. Within 2 minutes of powering up the sensor, insert the batteries to the Weather Station (see “B. Wireless Weather Station” below). Once the batteries are in place, all segments of the LCD will light up briefly. Following the indoor temperature and humidity, and the time as 12:00 will be displayed. If they are not shown in LCD after 60 seconds, remove the batteries and wait for at least 60 seconds before reinserting them. Once the indoor data is displayed user may proceed to the next step.
3. After the batteries are inserted, the Weather Station will start receiving data signal from the sensor. The outdoor temperature should then be displayed on the Weather Station. If this does not happen after 2 minutes, the batteries will need to be removed from both units and reset from step 1 and the signal reception icon is no longer shown.

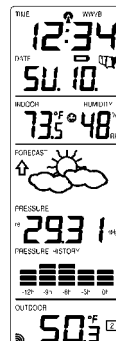
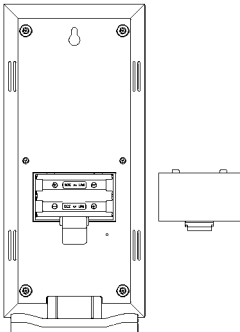
A. Remote Temperature Sensor

1. Remove the mounting bracket. The bracket snaps on and off easily.
2. Remove the battery cover, by sliding the cover down.
3. Observing the correct polarity install 2 AA batteries. The batteries will fit tightly (to avoid start-up problems make sure they do not spring free).
4. Replace the battery cover by sliding upwards. Be sure battery cover is on securely.



B. Wireless Weather Station

1. Remove the battery cover (the cover has white writing on it).
2. Observe the correct polarity, and install two Alkaline AA batteries.
3. Do not press any buttons for at least ten minutes. If a button is pressed before the indoor weather station has received information from the TX29U-IT sensor, no data will be received from that sensor until reset.
4. Replace the battery cover.



Sensor signal reception icon* _____

* When the signal is successfully received by the Weather Station, the icon will be switched on. (If not successful, the icon will not be shown in LCD) So the user can easily see whether the last reception was successful (icon on) or not (icon off). On the other hand, the short blinking of the icon shows that a reception is being done now.

- If the signal reception is not successful on the first frequency (915MHz) for 45 seconds, the frequency is changed to 920MHz and the learning is tried another 45 seconds. If still not successful the reception is tried for 45 seconds on 910MHz. This will also be done for re-synchronization.

II. Start Up Sequence

A. Initial Start

1. Immediately after the batteries have been installed the LCD will completely light up for a brief moment.
2. All information will then appear in normal mode, with “12:00” as the default time and “SA.1” as the default date (2006 as the year).
3. The indoor temperature and humidity, and barometric air pressure (as 29.92 inHg relative RH) will also be displayed.
4. There is a “satellite” icon that appears in the bottom portion of the LCD, to the left of the outdoor temperature— this icon informs the user that the indoor weather station is looking for signals from the remote temperature sensor. Within five minutes the remote temperature should be displayed—if not, remove batteries from all units and repeat battery installation, the remote temperature sensor first, then the indoor weather station.

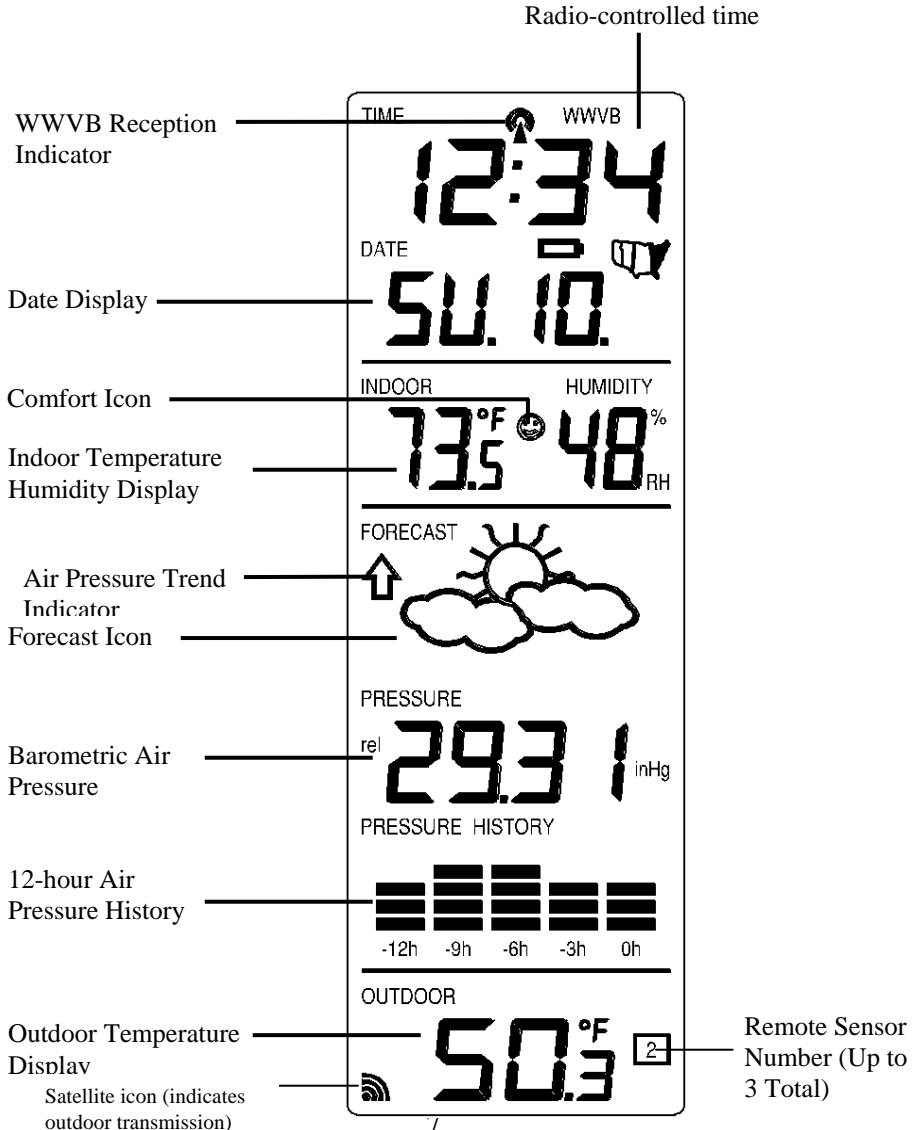
B. WWVB Reception

1. Once the batteries are installed in the **Wireless Weather Station** it will automatically search for the WWVB signal. If it receives a good signal (which is unlikely during daylight hours in most locations), the WWVB reception indicator (looks like a tower icon) will flash. The **Wireless Weather Station** requires five full minutes of good reception to successfully capture the signal and set to the correct hour, minute, second, month, day and year. If the signal reception is not successful within ten minutes, the signal search will be cancelled. Next reception will take place the next day.
2. The signal is sent from Ft. Collins, Colorado only and is similar to an AM radio signal. Atmospheric interferences such as storms, sunspots, and even sunlight will cause the signal to not travel as far.
3. To maximize reception, place the **Wireless Weather Station** in a window facing Colorado, at least six feet from any electrical source (computers, televisions, refrigerators, etc.). Do not move the indoor weather station while it is searching for the signal.

4. The time and date can be manually set. Once the signal is captured, it will override any time and date set to the time zone selected.
5. Once the time and date are set, the **Wireless Weather Station** will conduct a search every night at midnight and correct to the accurate time and date (Daylight Saving Time is automatic). If the signal has been received in the past 24 hours, the reception indicator will be displayed. After a successful reception, no more reception attempt would be made until the following day.

III. Explanation of LCD Information

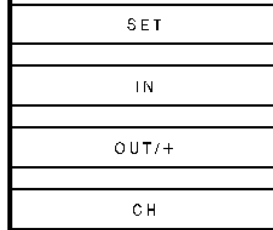
A. The below picture highlights the LCD features.



- B. There are many different modes the indoor weather station can be set to. The LCD shown is the normal operating mode, and your actual data shown will be different based on your local settings and conditions.

IV. Function Key Layout

- A. The below picture shows the four function keys used in programming and operation of your indoor weather station



V. Program Mode

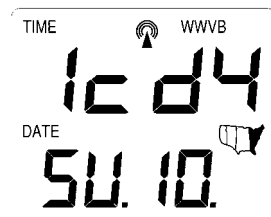
The program mode is laid out in a manner that allows you to program each function separately, or you can follow the instructions entirely to program the **Wireless Weather Station**. Complete programming is usually done for the initial set-up, and will require you to skip step 1,2 and 3 of each programming section. The programming mode can be exited at any time by either pressing the “CH” button, or waiting for the 15-second time-out to take effect.

A. Overview of programming mode sequence

1. LCD Contrast	2. Time Zone	3. DST ON/OFF
4. Radio-controlled Time ON/OFF	5. 12/24-hour time mode	6. Hour
7. Minute	8. Year	9. Month
10. Date	11. °F/°C	12. inHg/hPa
13. Relative pressure setting	14. Forecast sensitivity	

B. LCD Contrast Setting

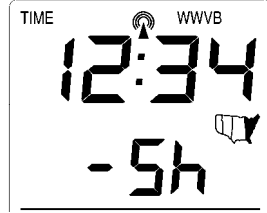
1. Press and hold the “SET” button for five seconds.
2. “lcd” will appear at the top of the display and a number will flash next to it.
3. Press and release the “OUT/+” button to select the desired LCD contrast setting.



4. Press and release the “SET” button to confirm the LCD contrast setting and continue to the Time Zone setting.

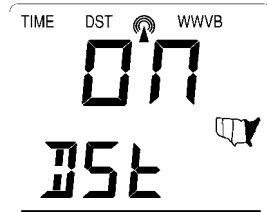
C. Time Zone Setting

1. Press and hold the “SET” button for five seconds.
2. “lcd” will appear at the top of the display and a number will flash next to it.
3. Press and release the “SET” button once more to advance to the Time Zone setting.
4. A number will flash to the left of the letter “h” at the top of the display just below the time display.
5. Press and release the “OUT+” button to select the desired time zone.
6. Press and release the “SET” button to confirm the Time Zone setting and continue to the DST ON/OFF setting.



D. DST ON/OFF Setting

1. Press and hold the “SET” button for five seconds.
2. “lcd” will appear at the top of the display and a number will flash next to it.
3. Press and release the “SET” button twice more to advance to the DST ON/OFF setting.
4. “DST” will appear above the indoor temperature/humidity display and “ON” or “OFF” will flash above that.
5. Press and release the “OUT/+” button to select DST ON/OFF.

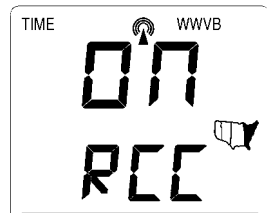


Note: Some locations (Arizona and parts of Indiana) do not follow Daylight Saving Time.

6. Press and release the “SET” button to confirm the DST ON/OFF setting and continue to the radio-controlled Time ON/OFF setting.

E. Radio-Controlled Time ON/OFF Setting

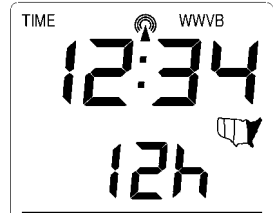
1. Press and hold the “SET” button for five seconds.
2. “lcd” will appear at the top of the display and a number will flash next to it.
3. Press and release the “SET” button three more times to advance to the radio-controlled time ON/OFF setting.



4. "RCC" will appear above the indoor temperature/humidity display and "ON" or "OFF" will flash above that.
5. Press and release the "OUT/+" button to select radio-controlled time ON/OFF setting.
6. Press and release the "SET" button to confirm the radio-controlled time ON/OFF setting and continue to the 12/24-hour Time Mode setting.

F. 12/24-hour Time Mode

1. Press and hold the "SET" button for five seconds.
2. "lcd" will appear at the top of the display and a number will flash next to it.
3. Press and release the "SET" button four more times to advance to the 12/24-hour time mode setting.
4. "12h" or "24h" will flash above the indoor temperature/humidity display.
5. Press and release the "OUT/+" button to select 12 or 24-hour time mode.



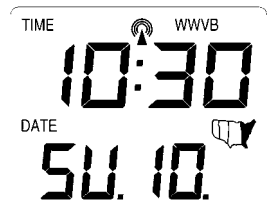
Note: In 12h mode "PM" will appear to the left of the time during PM hours. If the time is not within the PM hours nothing will be displayed. Be sure to set the time to the correct AM/PM time to ensure automatic reception.

6. Press and release the "SET" button to confirm the 12/24-hour time mode setting and continue to the Hour setting.

G. Setting The Hour Manually

The WWVB signal will override any manual set time and date information. The time will be based on the time zone selected.

1. Press and hold the "SET" button for five seconds.
2. "lcd" will appear at the top of the display and a number will flash next to it.
3. Press and release the "SET" button five more times to advance to the Manual Hour setting.
4. The hour will begin to flash at the top of the display.
5. Press and release the "OUT/+" button to select the desired hour.
6. Press and release the "SET" button to confirm the hour setting and continue to the Minute setting.

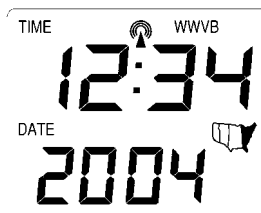


H. Setting The Minutes Manually

1. Press and hold the “*SET*” button for five seconds.
2. “*lcd*” will appear at the top of the display and a number will flash next to it.
3. Press and release the “*SET*” button six more times to advance to the Manual Minutes setting.
4. The minutes will begin to flash at the top of the display.
5. Press and release the “*OUT/+*” button to select the desired minutes.
6. Press and release the “*SET*” button to confirm the minutes and continue to the Year setting.

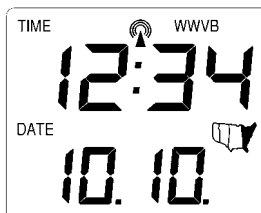
I. Setting The Year Manually

1. Press and hold the “*SET*” button for five seconds.
2. “*lcd*” will appear at the top of the display and a number will flash next to it.
3. Press and release the “*SET*” button seven more times to advance to the Manual Year setting.
4. The year will begin to flash below the time display.
5. Press and release the “*OUT/+*” button to select the desired year.
6. Press and release the “*SET*” button to confirm the year and continue to the Month setting.



J. Setting The Month Manually

1. Press and hold the “*SET*” button for five seconds.
2. “*lcd*” will appear at the top of the display and a number will flash next to it.
3. Press and release the “*SET*” button eight more times to advance to the Manual Month setting.
4. The Month will begin to flash below the time display.
5. Press and release the “*OUT/+*” button to select the desired month.
6. Press and release the “*SET*” button to confirm the month and continue to the Date setting.



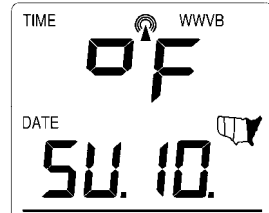
K. Setting The Date Manually

1. Press and hold the “*SET*” button for five seconds.
2. “*lcd*” will appear at the top of the display and a number will flash next to it.

3. Press and release the “*SET*” button nine more times to advance to the Manual Date setting.
4. The date will begin to flash below the time display.
5. Press and release the “*OUT/+*” button to select the desired date.
6. Press and release the “*SET*” button to confirm the date and continue to the Temperature Measuring Units setting.

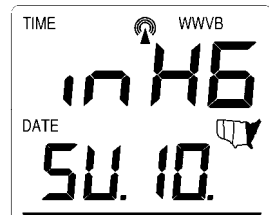
L. Temperature Measuring Units Selection (°F or °C)

1. Press and hold the “*SET*” button for five seconds.
2. “lcd” will appear at the top of the display and a number will flash next to it.
3. Press and release the “*SET*” button ten more times to advance to the Temperature Measuring Units setting.
4. °F or °C will flash at the top of the display.
5. Press and release the “*OUT/+*” button to select the desired temperature-measuring unit.
6. Press and release the “*SET*” button to confirm the temperature-measuring unit and continue to the Air Pressure Measuring Units setting.



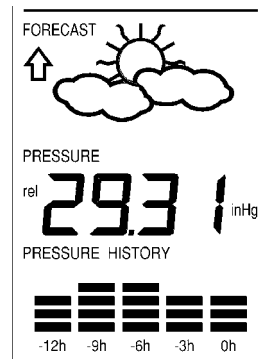
M. Air Pressure Measuring Units Selection (inHg/hPa)

1. Press and hold the “*SET*” button for five seconds.
2. “lcd” will appear at the top of the display and a number will flash next to it.
3. Press and release the “*SET*” button eleven more times to advance to the Air Pressure Measuring Units setting.
4. inHg or hPa will flash at the top of the display.
5. Press and release the “*OUT/+*” button to select the desired air pressure-measuring unit.
6. Press and release the “*SET*” button to confirm the air pressure-measuring unit and continue to the Relative Pressure setting.



N. Relative Pressure Setting

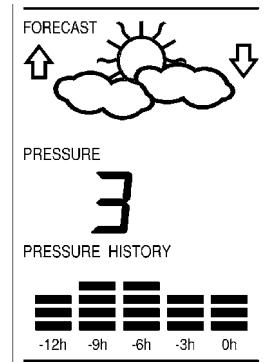
1. Press and hold the “*SET*” button for five seconds.
2. “lcd” will appear at the top of the display and a number will flash next to it.



3. Press and release the “*SET*” button twelve more times to advance to the Relative Pressure setting.
4. The barometric air pressure will flash in the middle of the display, just below the forecast icon
5. Press and release the “*OUT/+*” or “*IN*” button to select the desired relative air pressure value.
6. Press and release the “*SET*” button to confirm the relative pressure setting and continue to the Forecast Sensitivity setting.

O. Forecast Sensitivity Setting

1. Press and hold the “*SET*” button for five seconds.
2. “*lcd*” will appear at the top of the display and a number will flash next to it.
3. Press and release the “*SET*” button thirteen more times to advance to the Forecast sensitivity setting.
4. The two air pressure tendency arrows will begin flashing on either side of the forecast icon and a flashing number will appear under the forecast icon.
5. Press and release the “*OUT/+*” button to select the desired forecast sensitivity setting.



Note: *Barometric air pressure is usually reported as “relative air pressure”. This reading is based on the combination of absolute air pressure and altitude. In general, an increase in altitude will result in a decrease in air pressure. Relative air pressure will make readings in nearby locations relative to each other to allow for proper forecasting. The absolute air pressure reading in the Weather Center cannot be calibrated, only the relative air pressure.*

6. Press and release the “*SET*” button to confirm the forecast sensitivity setting.

THE MANUAL SETTING IS NOW COMPLETED

FEATURES AND OPERATIONS

A. Minimum and Maximum Temperature and Humidity

1. Indoor Minimum and Maximum Temperature and Humidity

The indoor weather station automatically stores the minimum and maximum indoor temperature and humidity. The minimum and maximum values are updated automatically when a new minimum or maximum is recorded, or until manually reset.

- a. From the normal display mode, press and release the “*IN*” key once to view the indoor maximum temperature and humidity (“*MAX*” will be displayed above the indoor temperature and humidity).
- b. Press and release the “*IN*” key again to view the indoor minimum temperature and humidity.
- c. Press and release the “*IN*” key again to return to the normal mode (timeout of viewing minimum/maximum values will occur if no keys are pressed for fifteen seconds).

Note: To reset the indoor minimum and maximum temperature and humidity, first display the values you wish to reset (minimum or maximum). Next press and hold the “*SET*” key for at least three seconds. You will see then that the values will reset to the current temperature and humidity and corresponding time.

2. Outdoor Minimum and Maximum Temperature

The indoor weather station automatically stores the minimum and maximum outdoor temperature. The minimum and maximum values are updated automatically when a new minimum or maximum is recorded, or until manually reset.

- a. From the normal display mode, press and release the “*OUT/+*” key once to view the outdoor maximum temperature (“*MAX*” will be displayed above the outdoor temperature).
- b. Press and release the “*OUT/+*” key again to view the outdoor minimum temperature.
- c. Press and release the “*OUT/+*” key again to return to the normal mode (timeout of viewing minimum/maximum values will occur if no keys are pressed for fifteen seconds).

Note: To reset the outdoor minimum and maximum temperature, first display the values you wish to reset (minimum or maximum). Next press and hold the “*SET*” key for at least three seconds. You will see then that the values will reset to the current temperature and corresponding time.

B. Multiple Remote Temperature Sensors

The WS-7394U-IT is able to receive signals from 2 additional temperature sensors. The following are instructions for the set-up of temperature sensor units with the WS-7394U-IT. These extra sensors can be purchased through the same dealer as this unit.

1. Remove all the batteries from the receiver and sensor(s) and wait 60 seconds. During these 60 seconds, press any button 20 times to discharge any excess power.
2. Insert the batteries to the first temperature sensor.
3. Within 2 minutes of powering up the first sensor, insert the batteries to the Weather Station. Once the batteries are in place, all segments of the LCD will light up briefly. Following the indoor temperature and humidity, and the time as 12:00 will be displayed. If they are not shown in LCD after 60 seconds, remove the batteries and wait for at least 60 seconds before reinserting them.
4. The outdoor temperature from the first sensor (channel 1) should then be displayed on the Weather Station. If this does not happen and the signal reception icon is not shown, after 2 minutes, the batteries will need to be removed from both units and reset from step 1.
5. Insert the batteries to the second sensor as soon as the outdoor temperature readings from the first sensor are displayed on the Weather Station.

NOTE: You must insert the batteries into the second sensor within 10 seconds of reception of the first sensor.

6. The outdoor temperature from the second sensor and the "channel 2" icon should then be displayed on the Weather Station. If this does not happen after 2 minute, the batteries will need to be removed from all the units and reset from step 1.
7. Insert the batteries to the third sensor as soon as the "channel 2" icon and outdoor data are displayed on the Weather Station. Then within 2 minutes, the channel 3 outdoor data from the third sensor will be displayed and the channel icon will shift back to "1" once the third sensor is successfully received. If this is not happen, user shall restart the setting up from step 1.

NOTE: You must insert the batteries into the third sensor within 10 seconds of reception of the second sensor.

IMPORTANT: Transmission problems will arise if the setting for multiple sensors is not followed as described above. Should transmission problems occur, it is necessary to remove the batteries from all units and start again the set-up from step 1.

C. Viewing and Operating with Multiple Remote Sensors

- a. To view the temperature of a different remote sensor press and release the “*CH*” button. A shift from one “boxed” number to the next should be observed in the OUTDOOR LCD.

- b. The minimum and maximum temperature of the additional remote sensor can be displayed by pressing the “OUT/+” button.
- c. To reset the minimum and maximum temperature readings press and hold the “SET” button for 3 seconds and that temperature record for that remote sensor will be reset only.

Each remote sensor will have its own minimum and maximum values stored.

D. Comfort Indicator for Indoor Temperature and Humidity

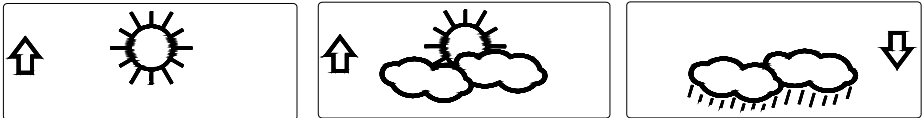
1. The comfort level indicator appears inbetween the indoor teperature and humidity.
2. The indicator will display a “happy-face” when the temperature is between 68°F and 79°F (20°C and 25.9°C), and the humidity is between 45% and 65%.
3. A “sad-face” will be displayed when the temperature and humidity are outside the mentioned ranges.

E. Weather Forecast Icon and Pressure Trend Indicators

The weather forecasting feature is estimated to be 75% accurate, and is based solely upon the change of air pressure over time. The WS-7394U-IT averages past air-pressure readings to provide an accurate forecast—creating a necessity to disregard all weather forecasting for 12-24 hours after the unit has been set-up, reset, or moved from one altitude to another (i.e. from one floor of a building to another floor). In areas where the weather is not affected by the change of air pressure, this feature will be less accurate.

1. Weather Icons

There are 3 possible weather icons that will be displayed at various times in the center of the indoor weather station.

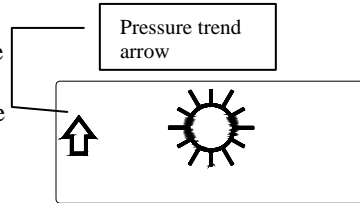


- a. *Sunny*—indicates that the weather is expected to improve (not that the weather will be sunny).
 - b. *Sun with Clouds*—indicates that the weather is expected to be fair (not that the weather will be sunny with clouds).
 - c. *Clouds with Rain*—indicates that the weather is expected to get worse (not that the weather will be rainy).
1. The weather icons change when the unit detects a change in air pressure.

2. The icons change in order, from “sunny” to “sun with clouds” to “clouds with rain” or the reverse.
3. It will not change from “sunny” directly to “clouds with rain”, although it is possible for the change to occur quickly.
4. If the symbols do not change, the weather has not changed (or the change has been slow and gradual).
5. The sensitivity of the change in forecast icon is set by the user in section F of the Detailed Set Up Guide.

F. Weather Tendency Arrows

1. Along with the forecast icon there is a pressure tendency arrow.
2. There is one that points up (on the left side of the LCD) and one that points down (on the right side of the LCD).
3. These arrows reflect current changes in the air pressure.
4. An arrow pointing up indicates that the air pressure is increasing and the weather is expected to improve or remain good.
5. An arrow pointing down indicates that the air pressure is decreasing and the weather is expected to become worse or remain poor.



G. Barometric Air Pressure Reading

1. The actual barometric air pressure is displayed directly under the weather forecast icon
2. The relative air pressure is calibrated by the user through the programming mode.
3. Please Follow the programming instructions in section F of the Detailed Set Up Guide to set this feature.

H. Air Pressure History Bar Chart

1. The bar chart indicates the air pressure history trend over the last 12 hours in 5 steps, 0h, -3h, -6h, -9h, and -12h.
2. The “0h” represents the current full hour air pressure recording.
3. The columns represent the “hPa” (0, ± 2 , ± 4) at specific time.
4. The “0” in the middle of this scale is equal to the current pressure and each change (± 2 , ± 4) represents how high or low in “hPa” the past pressure was compared to the current pressure.
5. If the bars are rising, the weather is getting better due to the increase of air pressure.
6. If the bars go down, the air pressure has dropped and the weather is expected to get worse from the present time “0h”.

Note:

For accurate barometric pressure trends, the Weather Station should operate at the same altitude for example, it should not be moved from the ground to the second floor of the house. Should the unit be moved to a new location, discard readings for the next 48-60 hours.

This feature cannot be turned off.

VII. MOUNTING

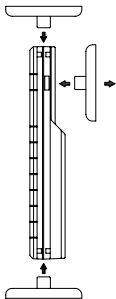
*Note: Before permanently mounting, ensure that the **Wireless Weather Station** is able to receive signals from the sensors and WWVB signal at the desired location. To achieve a true temperature reading, avoid mounting the remote temperature sensor (or any sensor) where direct sunlight can reach the remote sensor. We recommend that you mount the remote sensor on a North-facing wall or under an eave. The sending range of the remote temperature sensor is 330-ft (100m) however obstacles such as walls, concrete, and large metal objects can reduce the range. Place all units in their desired location, and wait approximately 15 minutes before permanently mounting to ensure that there is proper reception. If the **Wireless Weather Station** loses the signal from the remote sensor, it will display the last temperature reading for 15 minutes. After 15 minutes of not receiving any signals, the remote temperature will display “- .-”.*

A. Mounting the Remote Temperature Sensor

The remote temperature sensor can be mounted in two ways:

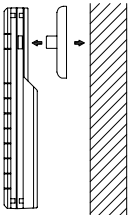
- with the use of screws
- using the adhesive tape

1. MOUNTING WITH SCREWS



- a. Remove the mounting bracket from the remote temperature sensor.
- b. Place the mounting bracket over the desired location.
- c. Through the three screw holes of the bracket, mark the mounting surface with a pencil.
- d. Screw mounting bracket onto the mounting surface. Ensure that the screws are flush with the bracket.
- e. Insert the remote temperature sensor into the bracket.

2. MOUNTING WITH ADHESIVE TAPE



- a. With a nonabrasive solution, clean and dry the back of the mounting bracket and the mounting surface to ensure a secure hold. The mounting surface should be smooth and flat.
- b. Remove the protective strip from one side of the tape.
- c. Adhere the tape to the designated area on the back of the mounting bracket.
- d. Remove the protective strip from the other side of the tape.
- e. Position the remote temperature sensor in the desired location, ensuring that the Wireless Weather Station can receive the signal.

Note: Mounting with adhesive tape is not recommended as a permanent mounting solution. Only use the adhesive tape during set-up process.

B. Mounting the WS-7394U-IT Wireless Weather Station

The **Wireless Weather Station** can be mounted in two ways:

- with the table stand
- on the wall with the use of a wall hanging screw (not included)

1. USING THE TABLE STAND

The indoor weather station comes with the table stand already mounted. If you wish to use the table-stand all that is required is to place the indoor weather station in an appropriate location.

2. WALL MOUNTING

- a. Remove the table-stand. To do this, pull down on the stand from the rear and rotate forward.
- b. Fix a screw (not included) into the desired wall, leaving approximately 3/16 of an inch (5mm) extended from the wall.
- c. Place the indoor weather station onto the screw using the hanging hole on the backside.
- d. Gently pull the indoor weather station down to lock the screw into place.

Maintenance and Care Instructions

- A. Extreme temperatures, vibration, and shock should be avoided to prevent damage to the units.
- B. Clean displays and units with a soft, damp cloth. Do not use solvents or scouring agents; they may mark the displays and casings.
- C. Do not submerge in water.

- D. Immediately remove all low powered batteries to avoid leakage and damage.
- E. Opening the casings invalidates the warranty. Do not try to repair the unit. Contact La Crosse Technology for repairs.

TROUBLESHOOTING

Problem:	The LCD is faint.
Solution:	<ol style="list-style-type: none"> 1) Set the LCD contrast to a higher level. 2) Replace batteries.
Problem:	No outdoor temperature is displayed.
Solution:	<ol style="list-style-type: none"> 1) Remove all batteries, reinsert into the remote temperature sensor first, then into the indoor weather station. 2) Place remote temperature sensor closer to the indoor weather station. 3) Be sure all batteries are fresh. 4) No other interfering sources are being used (such as computer monitors, TV sets, headphones, or speakers) in the vicinity. The signal travels in a straight line, an electrical source near that “line” may cause interference.
Problem:	Temperature, humidity, or air pressure is incorrect.
Solution:	<ol style="list-style-type: none"> 1) Check/Replace batteries. 2) If multiple remote sensors are in use, check location with corresponding “boxed numbers.” 3) Move away from sources of heat/cold. 4) Adjust relative air pressure to a value from a reliable source (TV radio, etc.). 5) The indoor weather station and remote sensors are calibrated at the factory. If there is a consistent problem, please call La Crosse Technology.
Problem:	“- -” in humidity display.
Solution:	<ol style="list-style-type: none"> 1) Humidity is below 1%.
Problem:	WWVB time and date will not set or update
Solution:	<ol style="list-style-type: none"> 1) Wait until overnight for signal to be received 2) Move indoor weather station away from sources of electricity 3) Place indoor weather station in window facing Colorado 4) The first reception is most difficult, as the indoor weather station needs five continual minutes of clear signal reception. After the initial time/date set, the indoor weather station only requires one full minute of clear reception each night.

SPECIFICATIONS

Temperature measuring range	
Indoor	14.2°F to 139.8°F with 0.2°F resolution (-9.9°C to +59.9°C with 0.1°C resolution) (“OFL” displayed if outside this range)

Outdoor	-39.8°F to 139.8°F with 0.2°F resolution (-39.9°C to 59.9°C with 0.1°C resolution) ("OFL" displayed if outside this range)
Relative humidity range	
Indoor	1% to 99% with 1% resolution (Display "- -" if temperature is O.L.F.; display "- -" if < 1% and "99%" if > 99%)
Air pressure	
Relative hPa (adjustable)	960 hPa to 1040 hPa
Relative inHg (adjustable)	28.35 inHg to 30.72 inHg
Sensitivity setting hPa	2 hPa to 4 hPa
Air pressure history	For the past 12 hours (0, -3, -6, -9, and -12 hours)
Data checking intervals	
Indoor temperature	Every 15 second
Indoor humidity	Every 20 seconds
Outdoor temperature	Every 4 seconds
Sensor reading update (within sensor)	
Outdoor temperature	Every 4 seconds
Transmission frequency	915 MHz
Transmission range	330 feet max. (100m) in open space
Power supply	
Wireless Weather Station:	2 x AA (IEC LR6) 1.5V batteries.
Remote Temperature Sensor:	2 x AA (IEC LR6) 1.5V batteries.
Dimensions (H x W x D)	
Wireless Weather Station	8.75" x 4" x 1.5" (222 x 102 x 38 mm)
Remote Temperature Sensor	5.05 x 1.50 x 0.83 inches (128.3 x 38.2 x 21.2 mm)

WARRANTY INFORMATION

La Crosse Technology, Ltd provides a 1-year limited warranty on this product against manufacturing defects in materials and workmanship.

This limited warranty begins on the original date of purchase, is valid only on products purchased and used in North America and only to the original purchaser of this product. To receive warranty service, the purchaser must contact La Crosse Technology, Ltd for problem determination and service procedures. Warranty service can only be performed by a La Crosse Technology, Ltd authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to La Crosse Technology, Ltd or La Crosse Technology, Ltd's authorized service center.

La Crosse Technology, Ltd will repair or replace this product, at our option and at no charge as stipulated herein, with new or reconditioned parts or products if found to be defective during the limited warranty period specified above. All replaced parts and products become the property of La Crosse Technology, Ltd and must be returned to La Crosse Technology, Ltd. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer. La Crosse Technology, Ltd will pay all expenses for labor and materials for all repairs covered by this warranty. If necessary repairs are not covered by this warranty, or if a product is examined which is not in need or repair, you will be charged for the repairs or examination. The owner must pay any shipping charges incurred in getting your La Crosse Technology, Ltd product to a La Crosse

Technology, Ltd authorized service center. La Crosse Technology, Ltd will pay ground return shipping charges to the owner of the product to a USA address only.

Your La Crosse Technology, Ltd warranty covers all defects in material and workmanship with the following specified exceptions: (1) damage caused by accident, unreasonable use or neglect (including the lack of reasonable and necessary maintenance); (2) damage occurring during shipment (claims must be presented to the carrier); (3) damage to, or deterioration of, any accessory or decorative surface; (4) damage resulting from failure to follow instructions contained in your owner's manual; (5) damage resulting from the performance of repairs or alterations by someone other than an authorized La Crosse Technology, Ltd authorized service center; (6) units used for other than home use (7) applications and uses that this product was not intended or (8) the products inability to receive a signal due to any source of interference.. This warranty covers only actual defects within the product itself, and does not cover the cost of installation or removal from a fixed installation, normal set-up or adjustments, claims based on misrepresentation by the seller or performance variations resulting from installation-related circumstances.

LA CROSSE TECHNOLOGY, LTD WILL NOT ASSUME LIABILITY FOR INCIDENTAL, CONSEQUENTIAL, PUNITIVE, OR OTHER SIMILAR DAMAGES ASSOCIATED WITH THE OPERATION OR MALFUNCTION OF THIS PRODUCT. THIS PRODUCT IS NOT TO BE USED FOR MEDICAL PURPOSES OR FOR PUBLIC INFORMATION. THIS PRODUCT IS NOT A TOY. KEEP OUT OF CHILDREN'S REACH.

This warranty gives you specific legal rights. You may also have other rights specific to your State. Some States do not allow the exclusion of consequential or incidental damages therefore the above exclusion of limitation may not apply to you.

For warranty work, technical support, or information contact:

La Crosse Technology
2809 Losey Blvd. S.
La Crosse, WI 54601
Phone: 608.782.1610
Fax: 608.796.1020

e-mail:

support@lacrossetechnology.com
(warranty work)

sales@lacrossetechnology.com
(information on other products)

web:

www.lacrossetechnology.com

Questions? Instructions? Please visit:

www.lacrossetechnology.com/7394it

All rights reserved. This handbook must not be reproduced in any form, even in excerpts, or duplicated or processed using electronic, mechanical or chemical procedures without written permission of the publisher.

This handbook may contain mistakes and printing errors. The information in this handbook is regularly checked and corrections made in the next issue. We accept no liability for technical mistakes or printing errors, or their consequences.

All trademarks and patents are acknowledged.

FCC ID: OMOTX29U (sensor)

RF Exposure mobile:

The internal / external antennas used for this mobile sensor must provide a separation distance of at least 20 cm (8 inches) from all persons and must not be co-located or operating in conjunction with any other antenna or sensor."

Statement according to FCC part 15.19:

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.

Statement according to FCC part 15.21:

Modifications not expressly approved by this company could void the user's authority to operate the equipment.

Statement according to FCC part 15.105:

NOTE: 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:

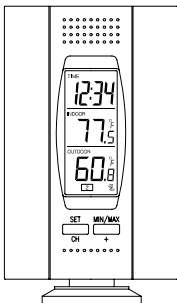
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help

WS-7013U-IT

Wireless 915 MHz Temperature Station

Instruction Manual



Tomorrow's Weather Today™

TABLE OF CONTENTS

Topic	Page
Inventory of Contents	
Quick Setup	
Detailed Setup Guide	
<i>Battery Installation</i>	
<i>Setting the Time</i>	
Features	
<i>Minimum and Maximum Temperatures</i>	
<i>Resetting Minimum and Maximum Temperatures</i>	
Additional remote temperature sensors (optional)	
Mounting	
Troubleshooting	
Maintenance and Care	
Specifications	
Warranty Information	

This product offers:



INSTANT TRANSMISSION is the state-of-the-art new wireless transmission technology, exclusively designed and developed by LA CROSSE TECHNOLOGY. ***INSTANT TRANSMISSION*** offers you an immediate update (every 4 seconds!) of all your outdoor data measured from the sensors: follow your climatic variations in real-time!

INVENTORY OF CONTENTS

1. The indoor temperature station (Figure 1)
2. The remote temperature sensor (TX29U-IT) and mounting bracket. (Figure 2)
3. 3 each, 1/2" Philips screws.
4. One strip of double sided adhesive tape.
5. Instruction Manual and Warranty Card.

Figure 1

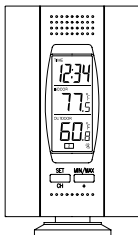
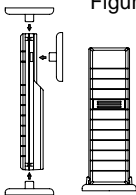


Figure 2



ADDITIONAL EQUIPMENT

(not included)

1. 1 Philips screwdriver.
2. 2 Fresh AAA 1.5V batteries.
3. 2 Fresh AA 1.5V batteries

QUICK SETUP

Hint: Use good quality Alkaline Batteries and avoid rechargeable batteries.

1. Have the indoor temperature station and remote temperature sensor 3 to 5 feet apart.
2. Batteries should be out of both units for 10 minutes.

3. Place the batteries into the **remote temperature sensor** first then into the indoor temperature station.

(All remote temperature sensors must be started before the indoor temperature station)

4. **DO NOT PRESS ANY BUTTONS FOR 15 MINUTES.**

In this time the indoor temperature station and remote temperature sensor will start to talk to each other and the display will show both the indoor temperature and an outdoor temperature. If the indoor temperature station does not display both temperatures after the 15 minutes please retry the set up as stated above. After both indoor and outdoor temperatures are displayed for 15 minutes you can place your remote temperature sensor outdoors and set your time.

The remote temperature sensor should be placed in a dry, shaded area. The thermo-hygro sensor has a range of 330 feet. Keep in mind that the 330 feet is in open air with no obstructions and that radio waves **DO NOT** curve around objects. Actual transmission range will vary depending on what is in the path of the signal. Each obstruction (roof,

walls, floors, ceilings, thick trees, etc.) will effectively cut signal range in half.

Example: A wireless weather station with a 330 feet range is mounted on an interior wall, so that the signal has to pass through one interior wall, one exterior wall, and across the 10 feet width of the room between the 2 walls. The first wall will reduce the range to 165 feet, and the second wall will reduce the range to 87 feet. Factoring in the 10 foot room, this leaves a maximum of 77 feet of remaining signal range.

This allowance is typically enough for a frame wall with non-metallic siding; however certain materials can reduce range even further. Metal siding, stucco, and some types of glass can reduce signal range by as much as $\frac{3}{4}$ or more, compared to the $\frac{1}{2}$ reduction typical of most obstructions. It is possible to receive a signal through these materials, however maximum range will be much less due to their tendency to absorb or reflect a much larger portion of the sensor's signal.

To complete the set up of your indoor temperature station after the 15 minutes have passed please follow the steps below.

1. Press and hold the “*SET/CH*” button for 5 seconds.
Note: A “12h” or “24h” will appear on the top line. (“12h” for AM/PM, “24h” for military time)
2. To change between “12h” and “24h” press and release the “*MIN/MAX*” button.
3. When you have your choice shown on the display press and release the “*SET/CH*” button once.

Note: if “12h” is selected, the temperature is displayed in degree Fahrenheit. If “24h” is selected, the temperature is displayed in degree Celsius

4. An hour will now be flashing.
5. Press and release the “*MIN/MAX*” button until the correct hour is shown.
Note: When in the 12h mode there is “PM” displayed under the word TIME when in the PM hours. During the AM hours this area will be blank.

6. When the correct hour is shown, press and release the “SET” button once.

Press and release the SET button once more and you are done.

DETAILED SETUP GUIDE

BATTERY INSTALLATION - When one Temperature sensor is being used

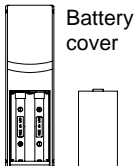
1. First, insert the batteries to the Temperature sensor (see “**A. Temperature sensor**” below).
2. Within 2 minutes of powering up the sensor, insert the batteries to the Temperature Station (see “**B. Indoor Temperature station**” below). Once the batteries are in place, all segments of the LCD will light up briefly. Following the indoor temperature and the time as 12:00 will be displayed. If they are not shown in LCD after 60 seconds, remove the batteries and wait for at least 60 seconds before reinserting them. Once the indoor data is displayed user may proceed to the next step.
3. After the batteries are inserted, the Temperature Station will start receiving

data signal from the sensor. The outdoor temperature and humidity should then be displayed on the Temperature Station. If this does not happen after 2 minutes, the batteries will need to be removed from both units and reset from step 1 and the signal reception icon is no longer shown.

A. REMOTE TEMPERATURE SENSOR

Remove the mounting bracket.

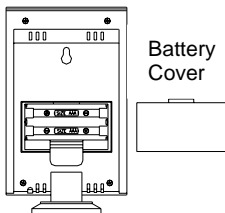
- a. Remove battery cover
- b. Observing the correct polarity, install 2 AA batteries—make sure they do not spring free, or start-up problems may occur. Replace cover.



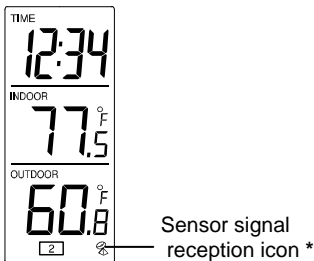
B. INDOOR TEMPERATURE STATION

Note: After the batteries are installed, **DO NOT** press any buttons. This may interfere with the signals, causing temperatures to register incorrectly.

- a. Remove the battery cover on the backside. To do this, push up and pull out.



- b. Observing the correct polarity, install 2 AAA batteries.
- c. Replace battery cover.
- d. Wait 15 minutes to allow both the indoor and outdoor temperatures are shown on the indoor temperature station.

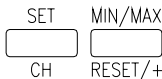


- * When the signal is successfully received by the Temperature Station, the icon will be switched on. (If not successful, the icon will not be shown in LCD) So the user can easily see whether the last reception was successful (icon on) or not (icon off). On the other hand, the short blinking of the icon shows that a reception is being done now.
- If the signal reception is not successful on the first frequency (915MHz) for 45 seconds, the frequency is changed to 920MHz and the learning is tried another 45 seconds. If still not successful the reception is tried for 45 seconds on

910MHz. This will also be done for re-synchronization.

SETTING THE TIME

1. Press and hold the “*SET/CH*” button for 5 second, “12h” will appear in the TIME LCD.



2. Press and release the “*MIN/MAX*” button to select either 12h time (am/pm) or 24h time
3. Press and release the “*SET/CH*” button 2 times, the hour will flash in the upper left corner.
4. Press and release the “*MIN/MAX*” button to set the hours
5. Press and release the “*SET/CH*” button to move to the minute setting
6. Press and release the “*MIN/MAX*” button to set the minutes.
7. Press and release the “*SET/CH*” button to activate the clock.

Note: When in 12h mode, there is only a “PM” display, which appears under “TIME.” If there is no display here it is AM. Make sure you set the time accordingly.

Note: if “12h” is selected, the temperature is displayed in degree Fahrenheit. If “24h” is selected, the temperature is displayed in degree Celsius

FEATURES

MINIMUM & MAXIMUM TEMPERATURES

1. Press and release the “*MIN/MAX*” button, “MIN” appears in the temperature LCD’s and the recorded minimum temperatures are displayed.
2. Press and release the “*MIN/MAX*” button to toggle to the maximum temperatures. The time of occurrence of the value for outdoor temperature will also flash.

RESETTING THE MINIMUM & MAXIMUM TEMPERATURES

To reset both the minimum and maximum temperatures—press and hold the “*RESET/+*” button for 4 seconds.

ADDING ADDITIONAL REMOTE SENSORS (OPTIONAL)

The WS-7013U-IT is able to receive signals from 2 additional temperature sensors. The following are instructions for the set-up of

temperature sensor units with the WS-7013U-IT. These extra sensors can be purchased through the same dealer as this unit.

1. Remove all the batteries from the receiver and sensor(s) and wait 60 seconds. During these 60 seconds, press any button 20 times to discharge any excess power.
2. Insert the batteries to the first temperature sensor.
3. Within 2 minutes of powering up the first sensor, insert the batteries to the Temperature Station. Once the batteries are in place, all segments of the LCD will light up briefly. Following the indoor temperature and the time as 12:00 will be displayed. If they are not shown in LCD after 60 seconds, remove the batteries and wait for at least 60 seconds before reinserting them.
4. The outdoor temperature from the first sensor (channel 1) should then be displayed on the Temperature station. If this does not happen and the signal reception icon is not shown, after 2 minutes, the batteries will need to be removed from both units and reset from step 1.

5. Insert the batteries to the second sensor as soon as the outdoor temperature readings from the first sensor are displayed on the Temperature station.
NOTE: You must insert the batteries into the second sensor within 45 seconds of reception of the first sensor.
6. The outdoor temperature from the second sensor and the "channel 2" icon should then be displayed on the Temperature station. If this does not happen after 2 minute, the batteries will need to be removed from all the units and reset from step 1.
7. Insert the batteries to the third sensor as soon as the "channel 2" icon and outdoor data are displayed on the Temperature station. Then within 2 minutes, the channel 3 outdoor data from the third sensor will be displayed and the channel icon will shift back to "1" once the third sensor is successfully received. If this is not happen, user shall restart the setting up from step 1.

NOTE: You must insert the batteries into the third sensor within 45 seconds of reception of the second sensor.

IMPORTANT: Transmission problems will arise if the setting for multiple sensors is not followed as described above. Should transmission problems occur, it is necessary to remove the batteries from all units and start again the set-up from step 1.

VIEWING AND OPERATING WITH MULTIPLE REMOTE TEMPERATURE SENSOR UNITS

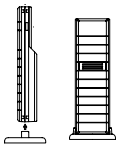
1. To view the temperature of a different remote temperature sensor unit, press and release the “*SET/CH*” button. A shift from one “boxed” number to the next should be observed in the OUTDOOR LCD.
2. To view the Minimum/Maximum temperature: first select from which remote temperature sensor to read data (indicated by the “boxed” number). Pressing and releasing the “*MIN/MAX*” button will toggle through the minimum and maximum indoor temperature, and the minimum and maximum outdoor temperature.

- To reset the Minimum/Maximum readings, press and hold the “MIN/MAX” button for four seconds.

MOUNTING

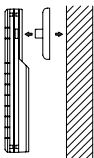
Note: To achieve a true temperature reading, avoid mounting in direct sunlight. We recommend that you mount the remote temperature sensor on an outside North-facing wall. The sending range is 330ft; obstacles such as walls, concrete, and large metal objects will reduce the range. Place both units in their desired location before permanently mounting.

1. REMOTE TEMPERATURE SENSOR



Free standing:

Simply attached the stand to the bottom of the unit and place onto a flat surface.



To wall mount:

- Remove the mounting bracket from the temperature sensor.

- b. Mount using either screws or adhesive tape.
- c. Reattach the temperature sensor to the mounting bracket.

2. THE TEMPERATURE STATION

- e. The indoor temperature station comes with the table stand already mounted. If you wish to use the table-stand, all that is required is to place the indoor temperature station in an appropriate location.
- f. To wall mount, remove the table stand. To do this, pull down on the stand from the rear and rotate forward. Fix a screw (not included) into the desired wall, and place the indoor temperature station onto the screw using the hanging hole on the backside. Gently pull the indoor temperature station down to lock the screw into place.

TROUBLESHOOTING

NOTE: For problems not solved, please contact La Crosse Technology via e-mail or phone, or visit our website, www.lacrossetechnology.com

Problem: The LCD is faint

Solution: Replace batteries

Problem: No outdoor temperature is displayed.

Solution:

- 1) Remove all batteries, reinsert into remote temperature sensor first, and then into the indoor temperature station.
- 2) Place remote temperature sensor closer to the indoor temperature station.
- 3) Be sure all batteries are fresh.
- 4) Place remote temperature sensor and indoor temperature station in position so the straight-line signal is not passing through more than two or three walls.

Problem: Temperatures do not match if units are placed next to each other.

Solution: Each temperature sensor is manufactured to be accurate to within 1 degree plus or minus and under normal conditions; so two temperature sensors could be as much as 2 degrees different. However, the difference can be exaggerated further because the temperature sensors are designed for different working environments.

The indoor sensor is less responsive to ambient air currents because of the shielding effect of the display's case. In addition, the case can act as a heat sink to absorb and store heat from external sources (i.e. handling of the case or radiant heat). In addition, the much greater range of the outdoor temperature sensor requires a different calibration curve than the indoor range. Error is usually greater at the extreme ends of a range, making it harder to compare different ranges with different curves. Under non-laboratory conditions, it is difficult to compensate for the above factors and obtain an accurate comparison.

MAINTENANCE AND CARE

- ✓ Extreme temperatures, vibration, and shock should be avoided to prevent damage to the units.
- ✓ Clean displays and units with a soft, damp cloth. Do not use solvents or scouring agents; they may mark the displays and casings.
- ✓ Do not submerge in water.
- ✓ Do not subject the units to unnecessary heat or cold by placing them in the oven or freezer.

- ✓ Opening the casings invalidates the warranty. Do not try to repair the unit. Contact La Crosse Technology for repairs.

SPECIFICATIONS

Transmitting Frequency	915MHz
Measuring Temperatures	
Indoor Temperature Station: Indoor	14.1°F to 139.8.2°F with 0.2°F resolution. (-9.9°C to 59.8°C with 0.1°C resolution)
Indoor Temperature Station: Outdoor	-39.8 °F to 139.8°F with 0.2°F resolution. (-39.8°C to 59.8°C with 0.1°C resolution)
Transmitting range	Up to 330 feet open space
Temperature check	
Indoor	Every 15 seconds
Outdoor	Every 4 seconds
Batteries—(Alkaline recommended)	
Remote Temperature Sensor	2 x AA, 1.5V

Indoor Temperature Station	2 x AAA, 1.5V
Dimensions: (H x W x D)	
Indoor Temperature Station	4.3 x 2.75 x .92 in. (excluding table stand) (110 x 90 x 23.6 x mm)
Remote Temperature Sensor	5.05 x 1.50 x 0.83 in. (128.3 x 38.2 x 21.2 mm)
Battery life	Approximately 24 months

WARRANTY INFORMATION

La Crosse Technology, Ltd provides a 1-year limited warranty on this product against manufacturing defects in materials and workmanship.

This limited warranty begins on the original date of purchase, is valid only on products purchased and used in North America and only to the original purchaser of this product. To receive warranty service, the purchaser must contact La Crosse Technology, Ltd for problem determination and service procedures. Warranty service can only be performed by a La Crosse Technology, Ltd

authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to La Crosse Technology, Ltd or La Crosse Technology, Ltd's authorized service center.

La Crosse Technology, Ltd will repair or replace this product, at our option and at no charge as stipulated herein, with new or reconditioned parts or products if found to be defective during the limited warranty period specified above. All replaced parts and products become the property of La Crosse Technology, Ltd and must be returned to La Crosse Technology, Ltd. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer. La Crosse Technology, Ltd will pay all expenses for labor and materials for all repairs covered by this warranty. If necessary repairs are not covered by this warranty, or if a product is examined which is not in need or repair, you will be charged for the repairs or examination. The owner must pay any shipping charges incurred in getting your La Crosse Technology, Ltd product to a La Crosse Technology, Ltd authorized service center. La Crosse Technology, Ltd will pay

ground return shipping charges to the owner of the product to a USA address only.

Your La Crosse Technology, Ltd warranty covers all defects in material and workmanship with the following specified exceptions: (1) damage caused by accident, unreasonable use or neglect (including the lack of reasonable and necessary maintenance); (2) damage occurring during shipment (claims must be presented to the carrier); (3) damage to, or deterioration of, any accessory or decorative surface; (4) damage resulting from failure to follow instructions contained in your owner's manual; (5) damage resulting from the performance of repairs or alterations by someone other than an authorized La Crosse Technology, Ltd authorized service center; (6) units used for other than home use (7) applications and uses that this product was not intended or (8) the products inability to receive a signal due to any source of interference.. This warranty covers only actual defects within the product itself, and does not cover the cost of installation or removal from a fixed installation, normal set-up or adjustments, claims based on

misrepresentation by the seller or performance variations resulting from installation-related circumstances.

LA CROSSE TECHNOLOGY, LTD WILL NOT ASSUME LIABILITY FOR INCIDENTAL, CONSEQUENTIAL, PUNITIVE, OR OTHER SIMILAR DAMAGES ASSOCIATED WITH THE OPERATION OR MALFUNCTION OF THIS PRODUCT. THIS PRODUCT IS NOT TO BE USED FOR MEDICAL PURPOSES OR FOR PUBLIC INFORMATION. THIS PRODUCT IS NOT A TOY. KEEP OUT OF CHILDREN'S REACH.

This warranty gives you specific legal rights. You may also have other rights specific to your State. Some States do not allow the exclusion of consequential or incidental damages therefore the above exclusion of limitation may not apply to you.

For warranty work, technical support, or information contact

La Crosse Technology
2809 Losey Blvd. S.
La Crosse, WI 54601
Phone: 608.782.1610

Fax: 608.796.1020

e-mail:

support@lacrossetechnology.com
(warranty work)

sales@lacrossetechnology.com
(information on other products)

web:

www.lacrossetechnology.com

Questions? Instructions? Please visit:
www.lacrossetechnology.com/7013

All rights reserved. This handbook must not be reproduced in any form, even in excerpts, or duplicated or processed using electronic, mechanical or chemical procedures without written permission of the publisher.

This handbook may contain mistakes and printing errors. The information in this handbook is regularly checked and corrections made in the next issue. We accept no liability for technical mistakes or printing errors, or their consequences.

All trademarks and patents are acknowledged.

FCC ID: OMOTX29U (sensor)

RF Exposure mobile:

The internal / external antennas used for this mobile sensor must provide a separation distance of at least 20 cm (8 inches) from all persons and must not be co-located or operating in conjunction with any other antenna or sensor."

Statement according to FCC part 15.19:

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.

Statement according to FCC part 15.21:

Modifications not expressly approved by this company could void the user's authority to operate the equipment.

Statement according to FCC part 15.105:

NOTE: 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