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This product offers:



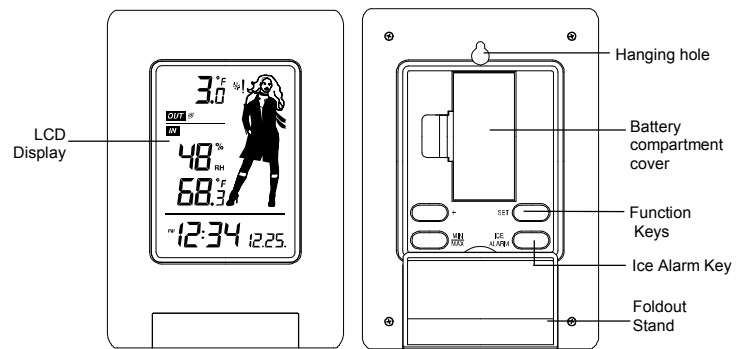
*INSTANT TRANSMISSION* is the state-of-the-art new wireless transmission technology, exclusively designed and developed by LA CROSSE TECHNOLOGY. *INSTANT TRANSMISSION* offers you an immediate update (every 4 seconds!) of all your outdoor data measured from the transmitters: follow your climatic variations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

#### INVENTORY OF CONTENTS

1. Wireless Weather Station
2. Wireless Temperature Sensor (TX37U) and mounting bracket.
3. Instruction Manual

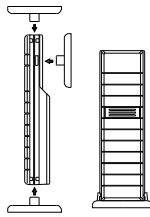
## FEATURES:

### The Weather Station



- Atomic time function (WWVB Radio controlled time) with manual setting options
- Daylight Saving Time ON/OFF
- Hour and minute display
- Calendar display
- Time zone option 0 to 12 hours
- Wireless transmission at 915 MHz
- Outdoor signal reception intervals at 4-second
- Display one of the multiple easy-to-read Temperature condition icons featured by Weather Girl
- Temperature display in Fahrenheit (°F) or Celsius (°C) selectable
- Indoor and Outdoor temperature display with MIN/MAX recording
- All MIN/MAX recordings can be reset
- Low battery indicator
- Wall hanging or free standing

#### The Outdoor Temperature Sensor



- Remote transmission of outdoor temperature to Weather Station by 915 MHz
- Weather-resistant casing
- Wall mounting case
- Mount in a sheltered place. Avoid direct rain and sunshine

#### SETTING UP:

1. First, insert the batteries into the temperature sensor. (see **"Install and replace batteries in the temperature sensor"**).
2. Immediately after and within 2 minutes, insert the batteries into Weather Station (see **"Install and replace batteries in the Weather Station"**). Once the batteries are in place, all segments of the LCD will light up briefly. Following the time as 12:00 and the "Oscar Outlook" icon will be displayed. If these are not displayed after 60

seconds, remove the batteries and wait for at least 10 seconds before reinserting them.

3. After inserting the batteries into the sensor, the Weather Station will start receiving data from the sensor. The outdoor temperature and the signal reception icon should then be displayed on the Weather Station. If this does not happen after 5 minutes, the batteries will need to be removed from both units and reset from step 1.
4. In order to ensure sufficient 915 MHz transmission there should be no more than 330 feet (100 meters) between the final position of the Weather Station and the sensor (see notes on "**Mounting**" and "**915 MHz Reception**").

**Note:**

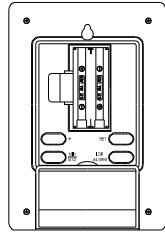
- The Weather Station will receive **one** outdoor sensor only.
- If the signal reception is not successful on the first frequency (915MHz) for 22 seconds, the frequency is changed to 920MHz and the reception is tried another 22 seconds. If still not successful the reception is tried for 22 seconds on 910MHz. This will also be done for re-synchronization.
- If after 10 minutes, the Atomic time (WWVB time) signal has not been received, press the SET key to manually enter a time initially.
- Daily WWVB reception is attempted at full hour between 12:00 am to 6:00 am. If the reception is successful, there will no reception attempt until the following day. When this is successful, the received time will override the manually set time. The date is

also updated with the received time. (Please refer also to notes on "**Atomic auto-set time - WWVB Radio controlled Time**" and "**Manual Time Setting**").

## BATTERY INSTALLATION

### INSTALL AND REPLACE BATTERIES IN THE WEATHER STATION

The Weather Station uses 2 x AAA, IEC LR3, 1.5V Alkaline batteries. To install and replace the batteries, please follow the steps below:



1. Remove the cover at the back of the Weather Station.
2. Insert batteries observing the correct polarity (see marking).
3. Replace compartment cover.

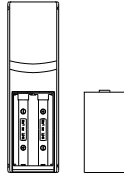


#### INSTALL AND REPLACE BATTERIES IN THE TEMPERATURE SENSOR

The temperature sensor uses 2 x AA, IEC LR6, 1.5V Alkaline battery.

To install and replace the batteries, please follow the steps below:

1. Pull out the battery holder at the bottom of the sensor.
2. Insert the batteries, observing the correct polarity (see marking).
3. Replace the battery holder on the unit.



#### **Note:**

In the event of changing batteries in any of the units, all units need to be reset by following the setting up procedures. This is because a random security code is assigned by the sensor at start-up and this code must be received and stored by the Weather Station in the first 3 minutes of power being supplied to it

#### **BATTERY CHANGE:**

It is recommended to replace the batteries in all units regularly to ensure optimum accuracy of these units (Battery life see **Specifications** below).

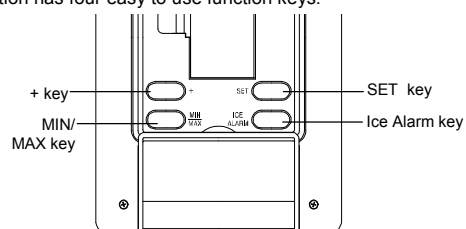


Please participate in the preservation of the environment. Return used batteries to an authorized depot.

## FUNCTION KEYS:

### Weather Station:

The Weather Station has four easy to use function keys.



### SET key (Manual Setting):

- Press to enter the set mode for the following functions: Time zone, Daylight saving

time ON/OFF, Manual time, Year, Month, Date, Weekday and °C/°F settings.

**MIN/ MAX key**

- To toggle between the maximum/ minimum outdoor temperature and maximum/ minimum indoor temperature data
- Press to reset the maximum or minimum temperature records of the indoor and the outdoor channel (will reset all records to current level)
- Press to exit the setting mode

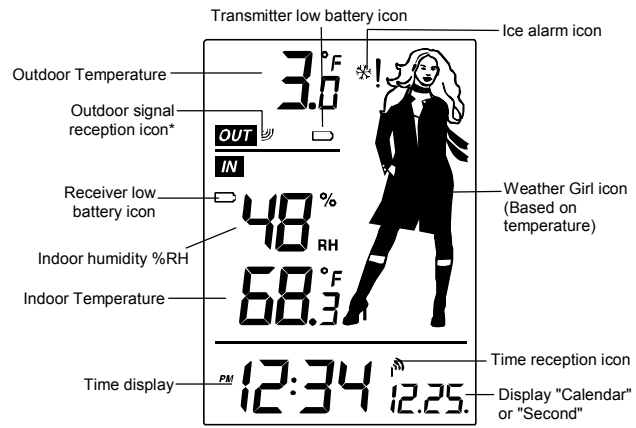
**+ key**

- Make adjustments for various settings
- In normal display, press to toggle between the display of the calendar and second of time in the time display of LCD

**Ice Alarm key**

- To activate / deactivate the Ice Alarm (alarm will be triggered once the outdoor temperature has dropped to 39.2°F)
- To exit from the manual setting mode

## LCD SCREEN AND SETTINGS:



\* When the outdoor signal is successfully received by the Weather Station, this icon will be switched on. (If not successful, the icon will not be shown in LCD) 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 currently taking place.

For easy viewing, the LCD screen is divided into 3 sections displaying the information for time and indoor data, weather forecast, and outdoor data.

#### **Section 1 - OUTDOOR TEMPERATURE**

- Display the current outdoor temperature.
- By pressing the MIN/ MAX key, display the stored MIN/MAX outdoor temperature, with simultaneous display of MIN/ MAX icon.
- A signal reception symbol will be shown indicating that outdoor temperature signal is received.

#### **Section 2 - INDOOR DATA AND WEATHER ICON (FEATURED BY WEATHER GIRL)**

- Display indoor temperature and indoor humidity
- The current temperature condition is displayed in form of one of multiple icons, featured by Weather Girl, which change in appearance according to the current outdoor temperature.
- Format of the Oscar Outlook icons refers to the below clause "**Weather Girl**"

### **Section 3 - TIME AND CALENDAR**

- In normal mode, display the time and calendar.
- A signal reception symbol is shown indicating that Atomic time (WWVB time) signal is received.

### **ATOMIC TIME - WWVB RADIO CONTROLLED TIME**

The NIST (National Institute of Standards and Technology—Time and Frequency Division) WWVB radio station 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 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 receives the time data from the NIST Atomic clock in Boulder, Colorado. A team of atomic physicists is continually measuring every second, of every day, to an accuracy of ten billionths of a second per 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 detail, visit <http://www.boulder.nist.gov/timefreq.htm>. To listen to the NIST time, call (303)499-7111. This number will connect you to an automated time, announced at the top of the minute in "Coordinated Universal Time", which is also known as Greenwich Mean Time (GMT). This time does not follow Daylight Saving Time changes.



The time zone default of the Weather station is -5 hr. To change to another time zone:

1. Press and hold the SET key for about 3 seconds to enter the time zone setting (flashing).
2. Using the + key, set the time zone. The range runs between 0 to -12 hr, in consecutive 1 hour intervals.
3. Press the SET key to confirm and enter the **"Daylight Saving time ON/OFF setting"** or exit the setting mode by pressing the MIN/MAX key

#### DAYLIGHT SAVING TIME ON/OFF SETTING



1. The digit "ON DST" will start flashing on the LCD.
2. Use the + key to turn ON or OFF the daylight saving time function.
3. Confirm with the SET key and enter the **"Manual Time setting"** or exit the setting mode by pressing the MIN/MAX key.



### MANUAL TIME SETTING

In case the Weather Station is not able to detect the Atomic time (WWVB) signal (disturbances, transmitting distance, etc.), the time can be manually set. The clock will then work as a normal Quartz clock.

TIME

Hours (flashing) ——— **12** : **34** ——— Minutes (flashing)

To set the clock:

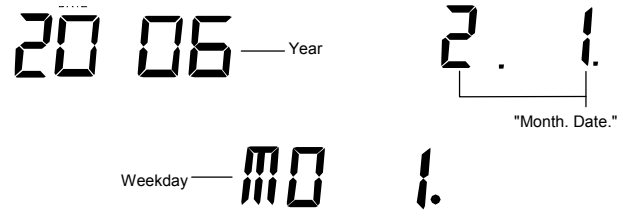
1. The hour digits start flashing in the time display section.
2. Use the + key to adjust the hours and then press SET key to go to the minute setting.
3. The minute will be flashing. Press the + key to adjust the minutes.
4. Confirm with the SET key and enter the **“Calendar Setting”** or exit the setting mode by pressing the MIN/MAX key

**Note:**

- The unit will still try to receive the signal at each full hour despite it being manually set. When it does receive the signal, it will change the manually set time into the received time.

- The time format is fixed to "12-hr" time display. "PM" will be shown in hours from noon to midnight.

#### CALENDAR SETTING

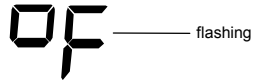


The date default of the Weather Station is 1. 1. of the year 2006 after initial set-up. Once the radio-controlled time signals are received, the date is automatically updated. However, if the signals are not received, the date can also be set manually. To do this:

1. Using the + key, set the year required. The range runs from 2000 to 2029 (default is 2006).
2. Press the SET key to enter the month setting mode.

3. The month digit will be flashing. Press the + key to set the month and then press the SET key to go to the date setting.
4. The date digit will be flashing. Press the + key to set the date.
5. Confirm with the SET key and set the weekday.
6. Press + key to select the weekday, "MO", "TU", "WE" etc.
7. Confirm with SET key and enter the **"°F/°C TEMPERATURE UNIT SETTING"** or exit the setting mode by pressing the MIN/MAX key.

#### **°F/°C TEMPERATURE UNIT SETTING**

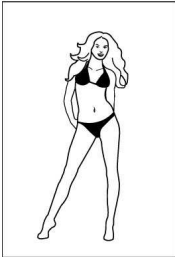





The default temperature reading is set to °F (Fahrenheit). To select °C (Celsius):

1. The "°F/ °C" will be flashing, use the + key to toggle between "°F" and "°C".
2. Once the desired temperature unit has been chosen, confirm with the SET to exit the setting mode.

**WEATHER GIRL ICON:**

One of the multiple temperature icons (featured by Weather Girl with different clothing) is displayed in the center of LCD, which indicates the different temperature conditions due to the current outdoor temperature (temperature value detected by the outdoor sensor):

>78.8°F (>26°C)	69.8 - 78.7 °F (21.0 - 25.9°C)	59 - 69.7°F (15.0 - 20.9°C)	50 - 58.9°F (10.0 - 14.9°C)
			

46.4 - 49.9°F  
(8.0 - 9.9°C)

39.2 - 46.3 °F  
(4.0 - 7.9°C)

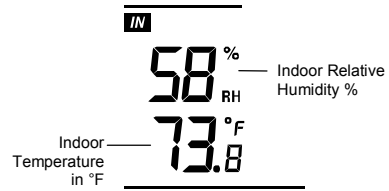
32 - 39.1°F  
(0 - 3.9°C)

< 32°F  
< 0°C

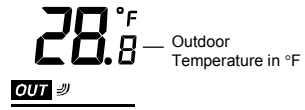


**DISPLAY OF INDOOR TEMPERATURE AND HUMIDITY READING:**

The indoor temperature and humidity are measured and displayed on the second section of the LCD.

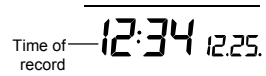
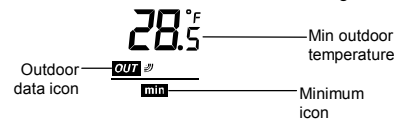


**DISPLAY OF OUTDOOR TEMPERATURE READING:**  
The first LCD section shows the outdoor temperature.



#### DISPLAY OF OUTDOOR MINIMUM AND MAXIMUM RECORDS:

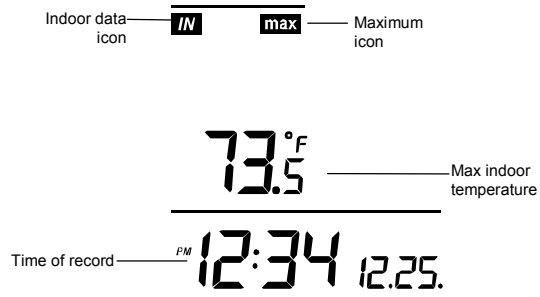
1. In normal display mode, Press the MIN/MAX button once, the outdoor MIN temperature and the time and date of recording this temperature will be displayed.



2. Press the MIN/MAX button once more, the outdoor max temperature and the time and date of recording this temperature will be displayed.
3. Press the MIN/ MAX button once more to advance to the indoor MIN/ MAX display.

#### DISPLAY OF INDOOR MINIMUM AND MAXIMUM RECORDS:

1. In normal display mode, press the MIN/ MAX key three times, the minimum indoor temperature will be shown in LCD. Also the time and date of recording this temperature will be displayed.
2. Then press the MIN/MAX button one more time, the maximum indoor temperature will be shown in LCD. Also the time and date of recording this temperature will be displayed.





3. Press the MIN/ MAX button once more to go back to the normal display.

### **RESETTING THE INDOOR AND OUTDOOR MINIMUM AND MAXIMUM RECORDS**

1. In normal display mode, press the MIN/ MAX button to advance to the MIN/MAX records display.
2. Press and hold the MIN/MAX key for about 2 seconds, this will reset all the indoor and outdoor MIN and MAX temperature records to the current temperature and time.

**Note:** The indoor and outdoor records will be reset at the same time.

### **Ice Alarm (ALARM AT 39.2°F)**

This Weather Station has a unique Ice Alarm feature. User may choose to turn it On or Off. Press the Ice Alarm key to activate the alarm (the Ice Alarm icon will then be displayed to indicate that the alarm is "on"). After the alarm is switched on, and the measured outdoor temperature has dropped below 39.2°F, the Ice Alarm will be triggered. The alarm will then sound and the Ice Alarm icon will be blinking on the LCD. The alarm duration will be about 1.5 minutes.

### **HYSTERESIS OF ICE ALARM**

To compensate for the fluctuation of the measured outdoor temperature, which may cause

the Ice Alarm to sound constantly if the measured reading is close to 39.2°F, a hysteresis function has been implemented for the alarm.

If the current temperature value drops to 39.2°F, the ice alarm will be activated (if the alarm has been enabled).

Since the preset hysteresis is 1.8°F. If the temperature rises back to 40.3°F and thereafter again drops to below 39.2°F, the data will be blinking, but no alarm will be activated.

With the pre-set hysteresis of 1.8°F, it has to rise back to above 41°F and drop below 39.2°F to trigger the alarm again.

**Note:** After the alarm is triggered, the alarming icon will still blink when the temp is still between 39.2 to 41°F.

### **915 MHz RECEPTION**

The Weather Station should receive the temperature data within 5 minutes after set-up. If the temperature data is not received 5 minutes after setting up (not successfully continuously, the outdoor display shows “ - - ”), please check the following points:

1. The distance of the Weather Station or sensor should be at least 5 to 6.5 feet away from any interfering sources such as computer monitors or TV sets.
2. Avoid positioning the Weather Station onto or in the immediate proximity of metal window frames.

3. Using other electrical products such as headphones or speakers operating on the same signal frequency (915MHz) may prevent correct signal transmission and reception.
4. Neighbors using electrical devices operating on the 915MHz signal frequency can also cause interference.

**Note:**

When the 915MHz signal is received correctly, do not re-open the battery cover of either the sensor or Weather Station, as the batteries may spring free from the contacts and force a false reset. Should this happen accidentally then reset all units (see **Setting up** above) otherwise transmission problems may occur.

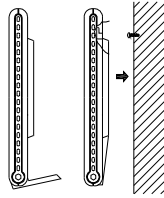
The transmission range is about 330 ft. (100 m) from the sensor to the Weather Station (in open space). However, this depends on the surrounding environment and interference levels. If no reception is possible despite the observation of these factors, all system units have to be reset (see **Setting up**).

**MOUNTING**

**POSITIONING THE WEATHER STATION:**

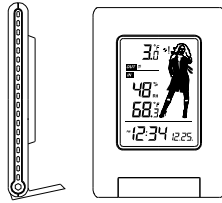
The Weather Station has been designed to be hung onto wall or free standing.

#### To wall mount



Choose a sheltered place. Avoid direct rain and sunshine. Before wall mounting, please check that the outdoor temperature values can be received from the desired locations.

1. Fix a screw (not supplied) into the desired wall, leaving the head extended out the by about 5mm.
2. Fold the stand the Weather Station before hanging the station onto the screw. Make sure that it locks into place before releasing.

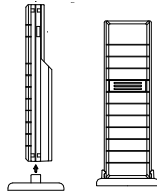


#### Free standing

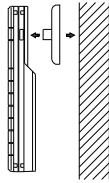
With the stand, the Weather Station can be placed onto any flat surface.

#### POSITIONING THE TEMPERATURE SENSOR:

The sensor is supplied with a holder that may be attached to a wall with the two screws supplied. The sensor can also be position on a flat surface by securing the stand to the bottom to the sensor.



#### To wall mount:



1. Secure the bracket onto a desired wall using the screws and plastic anchors.
2. Clip the sensor onto the bracket.

#### **Note:**

Before permanently fixing the sensor wall base, place all units in the desired locations to check that the outdoor temperature reading is receivable. In event that the signal is not received, relocate the sensors or move them slightly as this may help the signal reception.

**CARE AND MAINTENANCE:**

- Extreme temperatures, vibration and shock should be avoided as these may cause damage to the unit and give inaccurate forecasts and readings.
- When cleaning the display and casings, use a soft damp cloth only. Do not use solvents or scouring agents as they may mark the LCD and casings.
- Do not submerge the unit in water.
- Immediately remove all low powered batteries to avoid leakage and damage. Replace only with new batteries of the recommended type.
- Do not make any repair attempts to the unit. Return them to their original point of purchase for repair by a qualified engineer. Opening and tampering with the unit may invalidate their guarantee.
- Do not expose the units to extreme and sudden temperature changes, this may lead to rapid changes in forecasts and readings and thereby reduce their accuracy.

**SPECIFICATIONS:**

Temperature measuring range:

- Indoor : 14.1°F to +139.8°F with 0.2°F resolution  
(-9.9°C to +59.9°C with 0.1°C resolution,  
"OF.L" 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,  
**"OF.L"** displayed if outside this range)

Relative humidity measuring range:  
Indoor : 1% to 99% with 1% resolution (displays "--" when outside this range)  
Indoor temperature checking interval : every 17 seconds  
Indoor humidity checking interval : every 17 seconds  
Outdoor data reception : approximately every 4 seconds

Power consumption:  
Weather Station : 2 x AAA, IEC, LR3, 1.5V  
Temperature Sensor : 2 x AA, IEC, LR6 1.5V

Battery life cycle (Alkaline batteries recommended)  
Weather Station : Approximately 12 months  
Sensor : Approximately 24 months

Dimensions (L x W x H)  
Weather Station : 3.74" x 0.74" x 5.35"/ 95 x 18.8 x 136mm  
Temperature Sensor : 1.50" x 0.83" x 5.05"/ 38.2 x 21.2 x 128.3mm

**WARRANTY**

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

e-mail:

[support@lacrossetechnology.com](mailto:support@lacrossetechnology.com)  
(warranty work)

[sales@lacrossetechnology.com](mailto:sales@lacrossetechnology.com)  
(information on other products)

web:

[www.lacrossetechnology.com](http://www.lacrossetechnology.com)

Question? Instructions? Please visit:  
[www.lacrossetechnology.com/9740](http://www.lacrossetechnology.com/9740)

### **FAQ – WS-9740U-IT**

Congratulations on purchasing this state-of-the-art Weather Station.

Remember, for your Weather Station to work properly, it must be started correctly, using good quality alkaline batteries, and the time must be set manually.

Before calling for technical support (1-888-211-1923), you may be able to correct the problem by first performing a Proper Restart, and problem solving with the trouble-shooting guide.

Section 1 – Proper Restart (Quick Set-up Guide)

Section 2 – Outdoor Readings

Section 3 – Indoor Readings

Section 4 – Minimum and Maximum Readings

Section 5 – Time and Date Information

Section 6 – Weather Station Beeps Periodically/ Ice Alarm

Section 7 – Display Information

Section 8– Power Source

### **FIRST THINGS FIRST, OR BATTERIES, BATTERIES, BATTERIES**

Batteries are the number one warranty issue that we have. We recommend new, brand name, plain alkaline batteries for our products.

A good alkaline battery will have an expiration date printed on it. Alkaline batteries are dated six to seven years beyond the current year. Therefore a battery with an expiration

date three years beyond the current year has already been sitting on a shelf for three to four years. Consider what happens to your car battery if you let it sit unused for three to four years.

If you have a voltmeter and your older batteries test to 1.48 or better, they should power our products. New plain alkaline batteries often test to 1.6 or better.

Use good quality alkaline batteries with an expiration date of at least six years into the future or newer. If you are using questionable batteries, be sure they measure at least 1.48 on a voltmeter. Generic or store brand batteries, and batteries labeled super, ultra, max, heavy duty, lithium and rechargeable should be avoided. These batteries provide their power at different rates than plain alkaline batteries. This may cause problems, especially with the display unit. It is not always a low battery that causes problems. It may be an overpowered battery.

#### **Section 1 – Proper Restart (Quick Set-up Guide)**

In the event of installing or changing batteries in any of the units, all units need to be reset by following the setup procedures.

Have both the indoor display unit and the outdoor transmitter (sensor) inside and five to six feet apart with nothing between them.

Remove all power from both units.

Press any one of the buttons on the display unit at least 20 times to clear all memory. Verify that the display is blank before proceeding. Let the units sit for five minutes before installing batteries.

**Batteries:** Use good quality alkaline batteries with an expiration date of at least six years into the future or newer. If you are using questionable batteries, be sure they measure at least 1.48 on a voltmeter. Generic or store brand batteries, and batteries labeled super, ultra, max, heavy duty, lithium and rechargeable should be avoided. These batteries provide their power at a different rate than plain alkaline batteries. This may cause problems, especially with the display unit. It is not always a low battery that causes problems. It may be an overpowered battery.

Place the batteries into the outdoor remote sensor first, making sure they are installed according to the diagram in the battery compartment. Next, taking care not to press any buttons, install the batteries in the indoor display unit according to the diagram in the battery compartment.

Do not press any buttons for at least 15 minutes after installing the batteries. This is because the sensor assigns a random security code at start-up, and this code must be received and stored by the indoor station in the first few minutes of power supplying. A temperature and humidity reading should be showing on your display in the "outdoor" portion of your display. Because the sensor detects the temperature at the location where

it is placed, and because the setup generally takes place indoors, your indoor and outdoor temperature will match within a couple of degrees.

After you have completed this setup and placed your sensor outside, the temperature reading will adjust to the outdoor temperature. The temperature will be displayed on your indoor unit.

#### **TROUBLE-SHOOTING GUIDE**

If you continue to experience problems with your Weather Station after a Proper Restart and Initial Set-up, please see if your problem is described in this Trouble-Shooting Guide and follow the suggestions to attempt to correct the problem before contacting technical support.

#### **Section 2 – Outdoor Readings**

##### **Outdoor Temperature Displays as --.- (dashes)**

**Placement of Sensor:** The maximum transmission range is 330 feet in a straight line (line of sight). Trees, walls, windows, and obstructions will reduce transmission range by as much as half. (An obstruction would include anything that is in the line of sight like a roof, walls, floors, ceilings, trees, etc.). Certain building materials such as glass, stucco, and metal framework or siding, can greatly reduce the range.

In order to get an accurate reading and to prolong the life of your sensor, we recommend that you place the sensor in a sheltered area out of the sun and direct rain. Fog and mist will not affect the sensor, but a soaking in water may.

**Sensor is wet:** If your sensor becomes soaked, bring the unit inside, remove the batteries and allow the unit to dry overnight; then restart the station using the Proper Restart instructions. You can mount the sensor outside under an eave of your house or any other suitable place that will keep it out of the sun and rain. Do not wrap the sensor in plastic or seal it in a plastic bag. You may also put it in a two-sided bird feeder with a roof.

**Restart:** Remove batteries from all units and follow the directions in the Proper Restart section above. If this does not correct the problem, continue to the next step.

#### **Outdoor Temperature is Inaccurate or Missing**

**Batteries:** Be sure you have good alkaline batteries for both the sensor and the base station.

**Placement:** The sensor will measure the temperature in the location where it is placed.

Therefore, the unit must be placed outside to register the outdoor temperature.

If you believe the temperature is still inaccurate, bring the transmitter indoors and let it set for a couple hours to reach room temperature. Compare this reading with the reading on your display. A temperature difference of +/- two degrees is considered normal. Therefore,

if your sensor is reading two degrees high and your display is reading two degrees low, you may experience a 4-degree difference between La Crosse Technology units. All electronics have similar tolerances within their products.

**Distance:** It may also be that the distance between the transmitter and the receiver is too great or has too many obstacles between the units to allow the signal to reach the transmitter.

**Worn out:** Also, your transmitter may be defective or worn out due to age or weather conditions. If you continue to have problems, please call for technical support.

#### **Outdoor Temperature Displays as OFL**

**Batteries:** Be sure you have good alkaline batteries for both the sensor and the base station.

If the display shows OFL, your batteries may be weak or dead. Follow the "Proper Restart" instructions. If you continue to have problems, please call for technical support.

#### **Outdoor Humidity displays as --- (dashes)**

Check that the display and sensor has fresh batteries. It is possible that your unit is reading a sensor (either yours or a neighbor's) that does not have humidity capabilities. Do a Proper Restart.



**Outdoor Readings are Totally Blank**

If only the Outdoor Readings portions of the indoor unit are totally blank (not showing dashes or OFL), this may be a problem with the indoor unit or the batteries. Remove all batteries from all units and follow the directions in the Proper Restart section above, using fresh batteries. If the problem continues, contact Customer Support for further instructions.

**Section 3 – Indoor Readings****Indoor Temperature Displays as --.- (dashes) or is missing**

**Batteries:** Be sure you have good alkaline batteries for both the sensor and the base station. This is almost always a power issue.

**Indoor Temperature is Blank**

If only the Indoor Readings portion of the indoor unit is totally blank (not showing dashes or OFL), this may be a problem with the indoor unit or the batteries. Remove all batteries from all units and follow the directions in the Proper Restart section above, using fresh alkaline batteries. If the problem continues, contact Customer Support for further instructions.

**Indoor Temperature Displays as OFL**

**Batteries:** Be sure you have good alkaline batteries for both the sensor and the base station. This is almost always a power issue.

#### **Section 4 – Minimum and Maximum Records**

##### **Indoor and Outdoor Minimum and Maximum Temperatures**

- Press and release the MIN/MAX button to display records. The indoor minimum temperature and date/time of occurrence will be flashing.
- Press the MIN/MAX button a second time and the indoor maximum record will be flashing, along with the date/time of occurrence.
- Press the MIN/MAX button a third time and the outdoor minimum records will be flashing, along with the date/time of occurrence.
- Press the MIN/MAX button a fourth time and the outdoor maximum record will be flashing along with the date/time of occurrence.
- Press the MIN/MAX button once again to return to normal mode.

##### **Minimum and Maximum Temperatures**

- In normal display mode, press and release the MIN/MAX button once to advance to the indoor MIN temperature display.
- Then press and hold the MIN/MAX key for about 3 seconds. This will reset the currently shown indoor and outdoor MIN/MAX data to the Current Time, Date and Temperature.
- Press and release the MIN/MAX 3 more times to return to normal display.

## **Section 5 – Time and Date Information**

### **Time is Not Accurate**

#### **Scratch Guard**

If you have not yet installed the batteries or plugged in the weather station and it shows a time, remove the scratch-guard from the LCD panel.

#### **WWVB Signal**

This weather station receives a signal from Ft. Collins, Colorado (WWVB) to set it to atomic time.

Sometimes, due to adverse weather or atmospheric conditions, you will not be able to receive a signal immediately and may have to wait overnight for the signal. The best way to get a signal is to put your weather station in a window with the front or back facing Colorado until you see the tower icon appear.

**Hour is Incorrect. Minutes are Correct. Unit “Jumps” Time.**

#### **Time Zone**

Time Zone setting may be incorrect. Please note North American Time Zones are negative numbers. Zo -4 Atlantic, Zo -5 Eastern, Zo -6 Central, Zo -7 Mountain, Zo -8 Pacific, Zo -9 Alaskan, Zo -10 Hawaiian. The dash preceding the number must be showing to properly

display the North American Time Zones. Use the programming mode to select the proper Time Zone.

#### **Daylight Savings Time**

If your time is still off by an increment of one hour, check the Daylight Savings Time setting. Use the programming mode to select DST.

#### **Section 6 - Weather Station Beeps Periodically**

**Batteries:** Be sure you have good alkaline batteries for both the sensor and the base station. Improper batteries may cause your weather station to beep when no alarm is set.

#### **Ice Alarm:**

This weather station has a unique ICE ALARM feature. When the alarm is switched on, and the measured outdoor temperature has dropped below 39.2 degrees, the ice alarm will be triggered. The alarm duration is about 1.5 minutes.

To turn this feature on, press the ICE ALARM button on the reverse of the unit. The icon !❄ will appear to the right of the youth weather-person icon and to the left of the adult weather-person icon. To turn this feature off, press the ICE ALARM button, making sure the !❄ icon is no longer displayed.

## **Section 7 – Display Information**

### **Entire Display is Blank**

If your weather station has a blank display it is generally a power issue. Please be sure you are using good alkaline batteries dated at least six years in advance. Remove the batteries from the unit, press the SET button 20 times to clear any electricity, and install good alkaline batteries.

### **Segmented Numbers**

If your weather station has missing segments on numbers or letters, it is generally a power issue. Please be sure you are using good alkaline batteries dated at least six years in advance. Remove the batteries from the unit, press the SET button 20 times to clear any electricity, and install good alkaline batteries.

If operating on a/c power only- the adapter pin may not be properly seated.

Remove all power from the base unit, and remove the batteries from the outdoor sensor.

Press any button on the indoor unit at least 20 times. This discharges any residual power from the unit.

Do a Proper Restart with fresh batteries, making sure they are installed according to the diagram in the battery compartment. If these steps do not correct the problem, contact our technical support department for assistance.

**Display Has Black “ink blob” on it.**

If your screen has black on it that may look like an ink blob, this is likely due to the display unit falling or being impacted in some way. Unfortunately this is not a warranty issue.

**Section 8 – Power Source****Battery Leakage**

Battery leakage is not a warranty issue. We recommend you contact the battery manufacturer if this occurs.

Prevention: Be aware of expiration dates. Do not mix old and new batteries.

Store batteries at room temperature or allow coming back to room temperature before using.

Remove weak batteries from your device to prevent leakage.

If you are still having problems after following these steps, please contact us at: (888) 211-1923 or [support@lacrossetechnology.com](mailto:support@lacrossetechnology.com).

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