WEATHER STATION
WS-9215U-IT
Instruction Manual

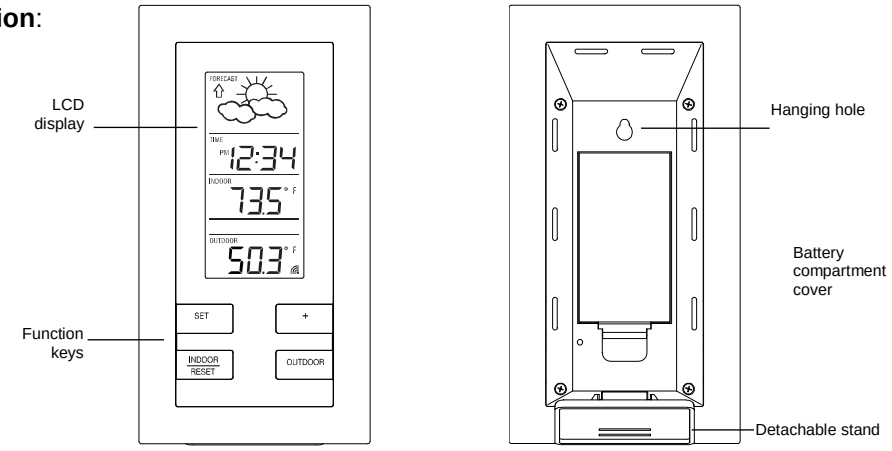
This product offers:

***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 Temperature Station
2. Wireless Temperature Sensor (TX40U-IT) and mounting bracket.
3. Instruction Manual

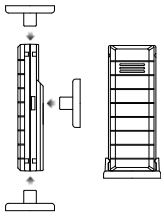
The Weather Station:



Features:

- 12/24 hour display
- Calendar (year, month and day display in setting mode only)
- Temperature display in degrees Celsius (ºC) or Farenheit (ºF)
- Indoor and outdor temperature with MIN/MAX records
- Manual reset of MIN/MAX records
- 3 weather forecast icons with weather tendency indicator
- Wireless transmission at 915 MHz
- Signal reception interval at 4 seconds
- Low battery indicators
- Wall mounting or table standing (detachable stand)

The Outdoor Temperature Transmitter



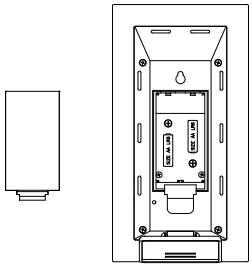
- Remote transmission of outdoor temperature to weather station by 915 MHz signals
- Water resistant casing
- Wall mounting and table-standing

SET UP:
Note: This weather station receives only one outdoor transmitter.

Do not mix old and new batteries. Do not mix alkaline, standard, or rechargeable batteries.

1. First, insert the batteries into the temperature transmitter. (see "**Install and replace batteries in the temperature transmitter**").
2. Within 30 seconds, insert the batteries into weather station (see "I**nstall and replace batteries in the weather station**"). Once the batteries are in place, all segments of the LCD will light up briefly. Then the time (default 12:00) and the weather icon will be displayed. If these are not displayed after 60 seconds, remove the batteries and wait for at least 60 seconds before reinserting them.
3. After inserting the batteries, the weather station will start receiving data from the transmitter. The outdoor temperature and the signal reception icon should then be displayed on the weather station. If this does not happen after 3 minutes, the batteries will need to be removed from both units and reset from step 1.
4. In order to ensure successful 915 MHz transmission, this should under good conditions be a distance no more than 330 feet/100 meters between the final position of the weather station and the transmitter (see notes on "**Mounting**" and "**915 MHz Reception**").

INSTALL AND REPLACE BATTERIES IN THE WEATHER STATION

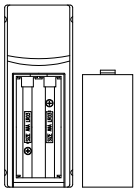


The weather station uses 2 x AA, IEC LR6, 1.5V batteries. When batteries need to be replaced, the low battery icon will appear on the LCD. To install and replace the batteries, please follow the steps below:

1. Lift up the battery compartment cover.
2. Insert batteries observing the correct polarity (see marking).
3. Replace compartment cover.

INSTALL AND REPLACE BATTERIES IN THE TEMPERATURE TRANSMITTER

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



1. Remove the battery compartment cover at the back of the transmitter.
2. Insert the batteries, observing the correct polarity (see marking).
3. Replace the battery compartment cover on the unit.

Note: When changing batteries in any of the units, all units need to reset by following the setting up procedures. This is because the transmitter at start-up assigns a security code and this code must be received and stored by the Weather station in the first 3 minutes of power supplied to it.

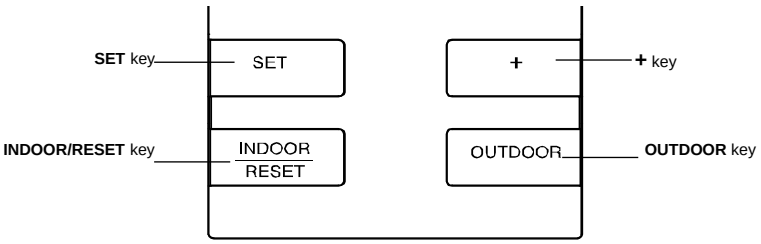
BATTERY CHANGE:

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

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.



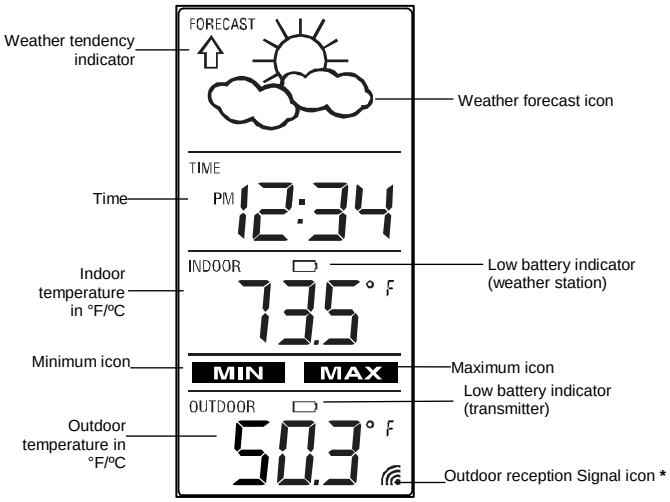
SET key
- Press and hold to enter manual setting modes: 12/24 hour time, manual time, calendar, ºF/ºC temperature unit setting

+ key
- To change any values in manual set modes

INDOOR/RESET key
- To display indoor MIN/MAX temperature records
- Press and hold to reset **all** indoor and outdoor MIN/MAX temperature records

OUTDOOR key
- To display outdoor MIN/MAX temperature records

LCD SCREEN:



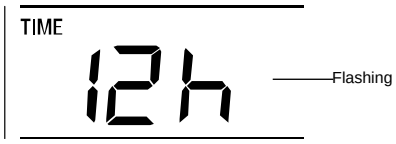
* When the outdoor signal is successfully received by the weather station, this icon will be switched on. (If not successful, the icon will not be shown in LCD) So user can easily see whether the last reception was successful (icon on) or not (icon off).

MANUAL SETTINGS:
The following manual settings are set in the setting mode:

- 12/24 hour time display setting
- Time setting
- Calendar (year, month and day)
- ºF/ºC temperature unit setting

Press and hold the **SET** key for about 3 seconds to advance to the setting mode:

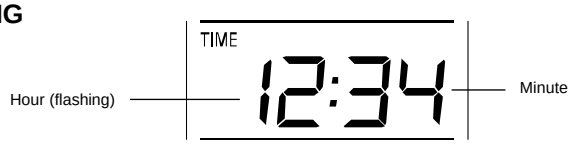
12/24 HOUR TIME DISPLAY SETTING



To set the time format in 12h or 24h display:

1. "12h" or "24h" will flash. (default 12h)
2. Press the **+** key to select the "12h" or "24h" display mode.
3. Confirm with the **SET** key and enter the "**Manual time setting**".

MANUAL TIME SETTING

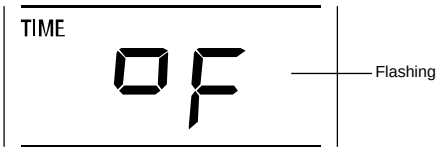


1. The hour digit will flash. Use the **+** key to set the hour.
2. Press the **SET** key to enter the minutes setting.
3. The minutes digits will flash. Use the **+** key to set the minutes.
4. Press the **SET** key again to confirm and enter the **Calendar** setting.

CALENDAR SETTING
The weather station can display year, month and day in **setting mode only**:

1. The year will flash.
2. Use the **+** key to set the year (between year 2011-2039). Default setting: 2011.
3. Press the **SET** key again to confirm and to enter the month setting. The month will flash.
4. Use the **+** key to set the month.
5. Press the **SET** key again to confirm and to enter the date setting mode. The date will flash.
6. Use the **+** key to set the date.
7. Confirm all calendar settings with the **SET** key and enter the "**ºF/ºC temperature unit setting**".

°F/°C TEMPERATURE UNIT SETTING

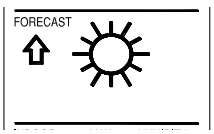


The default temperature display is set to °F (degree Fahrenheit). To select °C (degree Celsius):

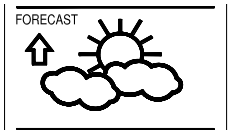
1. The "°F or °C" will flash.
2. Use the **+** key to toggle between "°C" and "°F".
3. Once the desired temperature unit is selected, confirm with the **SET** key and exit the setting mode.

TO EXIT THE MANUAL SETTING MODE
To exit the manual setting mode anytime during the manual setting, wait for automatic timeout. The mode will return to normal time display.

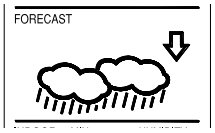
THE WEATHER FORECASTING ICONS
There are 3 weather icons in the top section of LCD which can be displayed in any of the following combinations:



Sunny



Cloudy with sunny intervals



Rainy

For every sudden or significant change in the air pressure, the weather icons will update accordingly to represent the change in weather. If the icons do not change, then it means either the air pressure has not changed or the change has been too slow for the Weather station to register. However, if the icon displayed is a sun or raining cloud, there will be no change of icon if the weather gets any better (with sunny icon) or worse (with rainy icon) since the icons are already at their extremes.

The icons display weather forecasts in terms of getting better or worse, and not necessarily sunny or rainy as each icon indicates. For example, if the current weather is cloudy and the rainy icon is displayed, it does not mean that the product is faulty because it is not raining. It simply means that the air pressure has dropped and the weather is expected to get worse but not necessarily rainy.

Note:
After setting up, readings for weather forecasts should be disregarded for the next 48 hours. This will allow sufficient time for the Weather Station to collect air pressure data at a constant altitude and therefore result in a more accurate forecast.

Common to weather forecasting, absolute accuracy cannot be guaranteed. The weather forecasting feature is estimated to have an accuracy level of about 75% due to the varying areas the Weather Station has been designed for use in. In areas that experience sudden changes in weather (for example from sunny to rain), the Weather Station will be more accurate compared to use in areas where the weather is stagnant most of the time (for example mostly sunny).

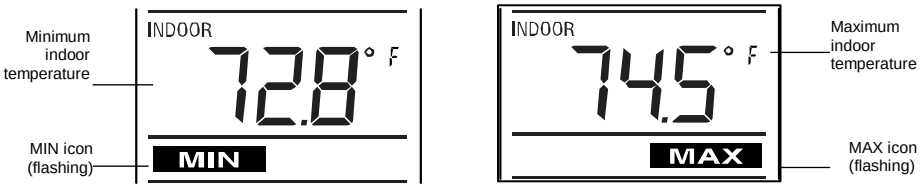
If the weather station is moved to another location significantly higher or lower than its initial standing point (for example from the ground floor to the upper floors of a house), remove the batteries and re-insert them after about 30 seconds. By doing this, the Weather Station will not mistake the new location as being a possible change in air-pressure when really it is due to the slight change of altitude. Again, disregard weather forecasts for the next 48 hours as this will allow time for operation at a constant altitude.

THE WEATHER TENDENCY INDICATOR
Working together with the weather icons are the weather tendency indicators (located on the left and right hand side of the weather icons). When the indicator points upwards, it means that the air-pressure is increasing and the weather is expected to improve, but when indicator points downwards, the air-pressure is dropping and the weather is expected to become worse.

Taking this into account, you will see how the weather has changed and how it is expected to change. For example, if the indicator is pointing downwards together with cloud and sun icons, then the last noticeable change in the weather was when it was sunny (sun icon only). Therefore, the next change in the weather will be the cloud with rain icons since the indicator is pointing downwards.

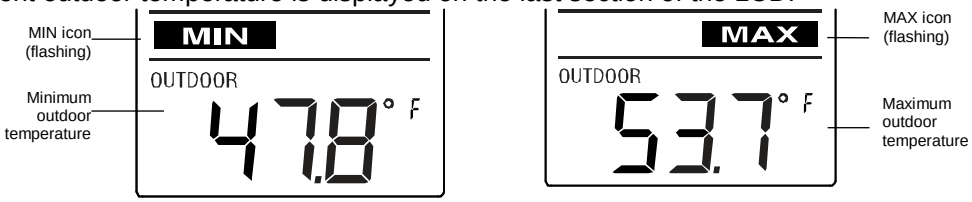
Note: Once the weather tendency indicator has registered a change in the air pressure, it will remain permanently visualized on the LCD.

INDOOR MIN/MAX TEMPERATURE RECORDS
The current indoor temperature is displayed on the third section of the LCD.



1. Press and release the **INDOOR/RESET** key repeatedly, the current indoor temperature will alternate between the MIN/MAX temperature recordings and the current value.

OUTDOOR MIN/MAX TEMPERATURE RECORDS
The current outdoor temperature is displayed on the last section of the LCD.



1. Press and release the **OUTDOOR** key repeatedly, the current outdoor temperature will alternate between the MIN/MAX temperature recordings and the current value.

RESET INDOOR AND OUTDOOR MIN/MAX TEMPERATURE RECORDS

In normal display mode, press and hold the **INDOOR/RESET** key for 3 seconds to reset **ALL** indoor and outdoor minimum/maximum records to current values at the same time.

LOW BATTERY INDICATOR
Low battery indicator is displayed on the LCD when the batteries require changing. The low battery indicator in the indoor temperature area indicates the batteries in the display are low. The low battery indicator in the outdoor temperature area indicates the batteries in the transmitter are low.

915 MHz RECEPTION CHECK
The weather station should receive the temperature data within 3 minutes after set-up. If the temperature data is not received 3 minutes after setting up (not successfully continuously, the outdoor display shows "- - -"), please check the following points:

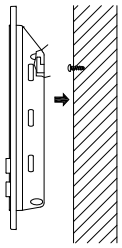
1. The distance of the weather station or transmitter should be at least 5 to 6.5 feet (1.5 -2 meters) away from any interfering sources such as computer monitors or TV sets.
2. Avoid positioning the weather station onto or in the immediate proximity of metal window frames.
3. Using other electrical products such as headphones or speakers operating on the same signal frequency (915 MHz) 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 915 MHz signal is received correctly, do not re-open the battery cover of either the transmitter 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 **Set up** above) otherwise transmission problems may occur.

The transmission range is about 330 feet/100 m from the transmitter 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 **Set up**).

POSITIONING THE WEATHER STATION:
The weather station may be hung onto wall easily or free standing.

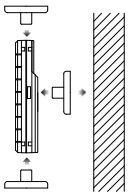
Free standing
With the detachable stand, the weather station can be placed onto any flat surface.



To wall mount
Before wall mounting, please check that the outdoor temperature value can be received from the desired locations.
1. Fix a screw (not supplied) into the desired wall, leaving the head extended out by about 5mm.
2. Remove the stand from the weather station by pulling it away from the base and hang the station onto the screw. Remember to ensure that it locks into place before releasing.

POSITIONING THE TEMPERATURE TRANSMITTER:

Choose a sheltered place. Avoid direct rain or sunshine.
The transmitter is supplied with a holder that may be attached to a wall with the two screws supplied. The transmitter can also be position on a flat surface by securing the stand to the bottom of the transmitter.



To wall mount:

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

Note:

Before permanently fixing the transmitter 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 transmitter or move the units 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.
- Precautions shall be taken when handling the batteries. Injuries, burns, or property damage may be resulted if the batteries are in contact with conducting materials, heat, corrosive materials or explosives. The batteries shall be taken out from the unit before the product is to be stored for a long period of time.
- Immediately remove all low powered batteries to avoid leakage and damage. Replace only with new batteries of the recommended type.
- 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.
- Special care shall be taken when handling a damaged LCD display. The liquid crystals can be harmful to user's health.
- 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.
- Never touch the exposed electronic circuit of the device as there is a danger of electric shock should it become exposed.
- Do not expose the units to extreme and sudden temperature changes, as this may lead to rapid changes in forecasts and readings and thereby reduce their accuracy.

SPECIFICATIONS:

Temperature measuring range:

Indoor : 14.2ºF to 139.8ºF with 0.2ºF resolution
-9.9ºC to +59.9ºC with 0.1ºC resolution
(**"OF.L"** displayed if outside this range)

Outdoor : -39.8ºF to +139.8ºF with 0.2ºF resolution
-39.9ºC to +59.9ºC with 0.1ºC resolution
(**"OF.L"** displayed if outside this range)

Indoor temperature checking interval every 16 seconds
Outdoor temperature reception : every 4 seconds

Power consumption:

Weather station : 2 x AA, IEC, LR6, 1.5V
Battery life cycle (Alkaline batteries recommended) : Approx. 24 months
Temperature transmitter : 2 x AAA, IEC, LR3, 1.5V
Battery life cycle (Alkaline batteries recommended) : Approx. 12 months

Dimensions (L x W x H) :

Weather station : 3.26" x 0.99" x 6.18" / 83 x 25 x 157 mm
Temperature transmitter : 1.27" x 0.55" x 3.40" / 32.4 x 14.1 x 86.5 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.

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 no allow the exclusion of consequential or incidental damages therefore the above exclusion of limitation may not apply to you.

Contact info for warranty or technical support:
La Crosse Technology
2817 Losey Blvd. S.
La Crosse, WI 54601

Product Info and Support:
www.lacrossetechnology.com/9215

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

FCC ID: OMO-TX38U + TX40U (transmitter)
FCC DISCLAIMER

RF Exposure mobile:
The internal / external antennas used for this mobile transmitter 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 transmitter."

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.