


Contents

Language	Page
<b>English</b>	<b>1</b>
<b>French</b>	<b>29</b>
<b>Spanish</b>	

Topic	Page
Inventory of Contents	2
Features	3
Setting Up	
Battery Installation	7
Function keys	9
LCD Screen and Settings	11
Manual Settings	13
Viewing the minimum and maximum records	24
Resetting the minimum and maximum records	24
915 MHz Reception	27
Mounting	28
Care and Maintenance	31
Specifications	32
Warranty Information	33

This product offers:



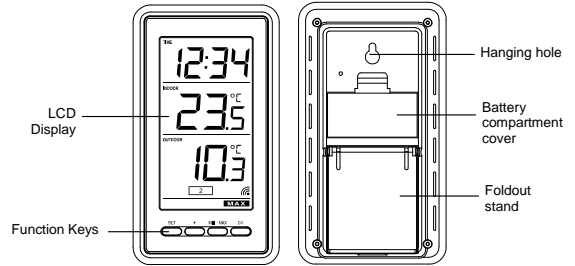
**INSTANT TRANSMISSION** is the state-of-the-art new wireless transmission technology, exclusively designed and developed by LA CROSSE TECHNOLOGY. **INSTANT TRANSMISSION** offers you an immediate update (every 4 seconds!) of all your outdoor data measured from the sensors: follow your climatic variations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

INVENTORY OF CONTENTS

1. Wireless Temperature Station
2. Wireless Outdoor Temperature Transmitter (TX29U-IT) and mounting bracket
3. Instruction Manual.

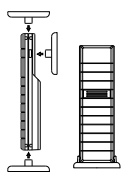
FEATURES:

The Temperature Station



- Quartz clock in 12 or 24-hour time display (hour and minute, manually set)
- Indoor and outdoor temperature reading in degrees Fahrenheit (°F) or Celsius (°C)
- Display of MIN/MAX records of indoor temperature and outdoor temperature
- Can receive up to three outdoor transmitters
- Wireless transmission at 915 MHz
- Signal reception intervals at 4 seconds
- Low battery indicator
- Wall mounting or table standing (foldout table stand)

#### The Outdoor Temperature Transmitter



- Remote transmission of outdoor temperature to Temperature Station by 915 MHz
- Rain resistant casing
- Wall mounting case (Mounting at a sheltered place. Avoid direct rain and sunshine)

5

#### SETTING UP:

##### When one transmitter is used:

1. First, insert the batteries into the transmitter (see "How to install and replace batteries in the Temperature transmitter" below).
2. Within 30 seconds of powering up the transmitter, insert the batteries to the Temperature Station (see "How to install and replace batteries in the Temperature Station" below). Once the batteries are in place, all segments of the LCD will light up briefly. Then the indoor temperature and the time as 12:00 will be displayed. If they are not shown on 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 transmitter.
4. The outdoor temperature should be displayed on the Temperature Station. Also, the signal reception icon will be displayed. If this does not happen after 2 minutes, the batteries will need to be removed from both units and reset from step 1.
5. In order to ensure sufficient 915 MHz transmission, the final position between the Temperature Station and the transmitter should not be more than 330 feet / 100 meters (see notes on "Positioning" and "915 MHz Reception").
6. Batteries are the #1 warranty issue we see. Please be sure you are using name brand plain alkaline batteries dated at least 7 years in advance or testing to 1.48 on a voltmeter that reads in numbers.

6

##### When more than one transmitter is used

1. User shall remove all the batteries from the Temperature Station and transmitters and wait 60 seconds if setting has been done with one transmitter first.
2. Insert the batteries to the first transmitter.
3. Within 30 seconds of powering up the first transmitter, insert the batteries to the Temperature Station. Once the batteries are in place, all segments of the LCD will light up briefly. Following time as 12:00 will be displayed. If the time is 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 transmitter (channel 1) should then be displayed on the Temperature Station. Also, the signal reception icon will be displayed. If this does not happen 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 transmitter as soon as the outdoor temperature readings from the first transmitter are displayed on the Temperature Station.

**Note:** User shall insert the batteries into the second transmitter within 10 seconds of reception of the first transmitter.

7

6. The outdoor temperature from the second transmitter 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 transmitter as soon as the "channel 2" icon and outdoor temperature data is displayed on the Temperature Station. Then within 2 minutes, the channel 3 outdoor data from the third transmitter will be displayed and the channel icon will shift back to "1" once the third transmitter is successfully received. If this is not happen, user shall restart the setting up from step 1.

**Note:** User shall insert the batteries into the third transmitter within 10 seconds of reception of the second transmitter.

8. In order to ensure sufficient 915 MHz transmission there should be no more than 330 feet (100 meters) between the final position of the Temperature Station and the transmitter (see notes on "Mounting" and "915 MHz Reception").

**Note:** If the signal reception is not successful on the first frequency (915MHz) for 40 seconds, the frequency is changed to 920MHz and the learning is tried another 40 seconds. If still not

8

successful the reception is tried for 40 seconds on 910MHz. This will also be done for re-synchronization.

**IMPORTANT:**

Transmission problems will arise if the setting for additional transmitters 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.

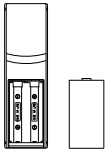
**HOW TO INSTALL AND REPLACE BATTERIES IN THE TEMPERATURE TRANSMITTER**

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

1. Remove the battery compartment cover.
2. Insert the batteries, observing the correct polarity (see marking).
3. Replace the battery holder to the unit.

**Note:**

In the event of changing batteries in any of the units, all units need to be

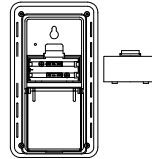


reset by following the setup procedures. This is because a random security code is assigned by the transmitter at start-up and this code must be received and stored by the Temperature Station in the first few minutes of power supplying.

**HOW TO INSTALL AND REPLACE BATTERIES IN THE TEMPERATURE STATION**

The Temperature Station uses 2 x AAA, IEC LR3, 1.5V batteries. When batteries will 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.



**BATTERY CHANGE:**

It is recommended to replace the batteries in all units every 12 months to ensure optimum accuracy of these units.

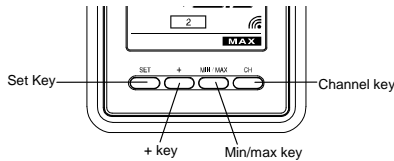


Please participate in the preservation of the environment. Return used batteries to an authorised depot.

**FUNCTION KEYS:**

**Temperature Station:**

The Temperature Station has only four easy to use function keys.



**SET key (Setting)**

- Press and hold for about 3 seconds to enter the Manual setting mode: 12/24 hour time display, and manual time settings

**MIN/MAX key (Min/ Max temperature)**

- Used to toggle between the minimum and maximum recorded readings of indoor & outdoor temperature.
- Press and hold to reset minimum and maximum record when min or max record is shown.

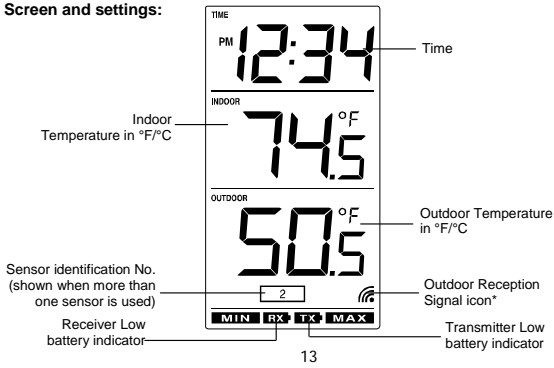
**+ key (Plus)**

- To make adjustments for manual settings.

**CH key (Channel)**

- To toggle between the Outdoor transmitters 1, 2 and 3 (if more than 1 transmitter is used)

### LCD Screen and settings:



\*When the signal is successfully received by the Temperature Station, this 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.

For better distinctness the LCD screen is split into 3 sections displaying the information for time, indoor temperature, and outdoor temperature.

#### Section 1 - TIME

- Display of time.

#### Section 2 - INDOOR TEMPERATURE

- Display of indoor temperature

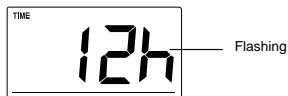
#### Section 3 - OUTDOOR TEMPERATURE

- Display of the outdoor temperature

### MANUAL SETTING:

#### 12/24- HOUR TIME DISPLAY SETTING AND TEMPERATURE UNIT (°C/°F) SETTING

To display the time in 12-hour or 24-hour mode (default setting: 12h):



1. In normal display mode, press and hold the SET key for about 3 seconds. The "12h" or "24h" digit will be flashing.
2. Press the + key to set the desired time display mode.
3. Press shortly the SET key to advance to the **MANUAL TIME SETTING**.

#### Note:

When the time display is set as 12-hour mode, the temperature unit will be fixed to °F; when the time mode is in 24-hour, the temperature unit will be fixed to °C.

### MANUAL TIME SETTING

Set the time of Temperature Station by the following steps:



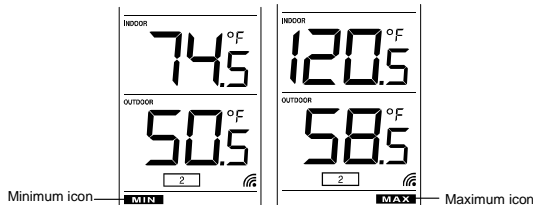
1. The hour digit of the time display will be flashing.
2. Press the + key to adjust the hour (Press and hold to allow fast advancing). Press SET key to confirm and go to the minute setting.
3. The minute digit will be flashing. Press the + key to adjust the minute (Press and hold to allow fast advancing).
4. Press SET key once more to return to normal display.

#### VIEWING THE MINIMUM AND MAXIMUM RECORDS:

To view the MIN/MAX indoor and outdoor temperature records:

1. Press the MIN/MAX key once to view the minimum indoor and outdoor temperature.

2. Press the MIN/MAX key once more to view the maximum indoor and outdoor temperature.
3. Press the MIN/MAX key to return to current temperature display.



**When several transmitters are used:**

1. Select the desired channel first by pressing the CH key.
2. Press the MIN/MAX key to view the selected MIN/MAX records of selected channel.

**Note: The transmitter number will only be displayed if more than one transmitter is used.**

**RESETTING THE MINIMUM AND MAXIMUM RECORDS:**

To reset the MIN/MAX records:

1. Press the MIN/MAX key once to display the min record.
2. Press and hold the MIN/MAX key again for about 3 seconds to reset all the minimum/maximum data to the current temperature values.

**Note: All indoor and outdoor MIN/MAX records from all transmitters will be reset at the same time.**

**TEMPERATURE TRANSMITTER:**

The outdoor temperature is measured and transmitted to the Temperature Station every 4 seconds approximately.

The range of the Temperature Transmitter may be affected by the temperature. At cold temperatures, the transmitting distance may be decreased. Please bear this in mind when placing the transmitter.

**915 MHz RECEPTION CHECK**

The Temperature Station should receive the temperature data within few minutes after set-up. If the temperature data is not being received about 2 minutes after setting up (the display shows "--" after consecutive failures in receiving signal for times), please check the following points:

1. The distance of the Temperature Station or transmitter should be at least 5 to 6.5 feet (1.5 to 2 meters) away from any interfering sources such as computer monitors or TV sets.
2. Avoid positioning the Temperature 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. Neighbours 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 transmitter or Temperature 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 feet / 100 m from the transmitter to the Temperature 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**).

**LOW BATTERY INDICATOR**

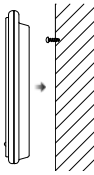
Low battery indicators are displayed on the LCD when the batteries require changing.

**POSITIONING THE TEMPERATURE STATION:**

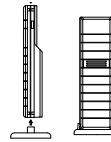
The Temperature Station comes attached with foldout table stand, which provides the option of table standing or wall mounting the unit. Before wall mounting, please check that the outdoor temperature values can be received from the desired locations.

**Free standing**

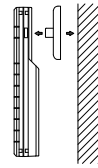
With the foldout stand, the Temperature Station can be placed onto any flat surface.

**To wall mount**

1. Fix a screw (not supplied) into the desired wall, leaving the head extended out the by about 5mm.
2. Hang the temperature station onto the screw. Remember to ensure that it locks into place before releasing.

**POSITIONING THE TEMPERATURE TRANSMITTER:**

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 to the Transmitter.

**To wall mount:**

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

**Note:** In order to get an accurate reading and to prolong the life of your sensor we recommend that you have it 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. You can mount it 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 as these can cause condensation problems and substantially reduced accuracy. Please note a sensor in the Sun will provide inaccurate temperature readings.

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(s) 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 : 14.2°F to +139.8°F with 0.2°F / -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 / -39.9°C to +59.9°C with 0.1°C resolution  
("OF.L" displayed if outside this range)

Indoor Temperature checking interval : every 15 second

Outdoor data checking interval : every 4 second

**Power Supply**

Temperature Station : 2 x AAA, IEC LR3, 1.5V

Outdoor Temperature Transmitter : 2 x AA, IEC LR6, 1.5V

Battery life cycle : approximately 12 months (Alkaline batteries recommended)  
Dimensions (L x W x H)  
Temperature Station : 3.3" x 0.88" x 5.86" / 84 x 22.6 x 149mm  
Outdoor Temperature Transmitter : 1.5" 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.

25

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

26

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

27

2809 Losey Blvd. South  
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/9160](http://www.lacrossetechnology.com/9160)

28

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.