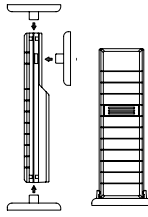




Tomorrow's Weather Today™

## TX29U -Wireless 915 MHz Temperature Transmitter

The TX-29U temperature transmitter measures the outdoor temperature and transfers the data to the temperature station.



### INVENTORY OF CONTENTS

1. One TX29U Temperature transmitter
2. Mounting hardware
3. Instruction manual and warranty card.

### ADDITIONAL EQUIPMENT (not included)

- Two fresh AA, IEC LR6, 1.5V Alkaline batteries.

### IMPORTANT NOTES ON SETUP & OPERATION

- The temperature transmitter should be placed in a dry, shaded area. Avoid direct sun, as that will cause incorrect readings.
- Fog and mist will not harm your temperature transmitter but direct rain must be avoided.
- The temperature transmitter has a range of 330 feet (100 m). 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/ temperature station with a 330 feet (100 m) 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 (3 m) width of the room between the 2 walls. The first wall will reduce the range to 165 feet (50 m), and the second wall will reduce the range to 87 feet (26.5 m). Factoring in the 10 foot room, this leaves a maximum of 77 feet (23.5 m) 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 ¼ or more, compared to the ½ 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.

- The Temperature transmitter transmits a signal about every 4.5 seconds. After the batteries have been installed, the indoor temperature station will search for the signal for a duration of few minutes. If there is no temperature reading in the OUTDOOR LCD after 5 minutes, user shall make sure the units are within range of each other, or repeat the battery installation procedure.
- If a button is pressed before the indoor temperature station receives the signal from the Temperature transmitter, you will need to follow the battery installation procedure again.

### SETTING UP

#### When one transmitter is to be used

1. First, insert the batteries to the temperature transmitter (see "Battery Installation" below).
2. Within 2 minutes of powering up the transmitter, insert the batteries to the Temperature Station (see "Battery Installation" 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 transmitter. The outdoor temperature should then be displayed on the Temperature 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 however, there should be a distance of no more than 330 feet (100 meters) between the final position of the Temperature Station and the transmitter.

#### Adding additional remote transmitters (using more than 1 transmitter)

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 before.
2. Insert the batteries to the first transmitter.
3. Within 2 minutes 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 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 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 5 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 45 seconds of reception of the first transmitter.

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 5 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 data are displayed on the temperature station. Then within 5 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 45 seconds of reception of the second transmitter.

8. In order to ensure sufficient 915 MHz transmission however, this should under good conditions be a distance no more than 330 feet (100 m) between the final position of the Temperature Station and the transmitter

#### IMPORTANT:

Transmission problems will arise if the setting for additional 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.

### BATTERY INSTALLATION

#### Temperature Station

1. Lift up the battery compartment cover.
2. Observing the correct polarity install 2 AA, Alkaline batteries. The batteries will fit tightly (to avoid start-up problems make sure they do not spring free).
3. Replace compartment cover.

#### Remote Temperature transmitter

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

#### Note:

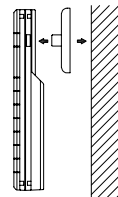
- If the signal reception is not successful on the first frequency of 915MHz for 45 seconds, the frequency is changed to 920MHz and the learning is tried for another 45 seconds. If it is still not successful the reception is tried for 45 seconds on 910MHz. This will also be done during re-synchronization.
- Detailed Set up procedures of the Temperature Station and the Transmitter refer to the main operation manual of WS-9021U or 9640U.

### MOUNTING

#### THE TEMPERATURE TRANSMITTER

The Temperature transmitter can be mounted onto a wall with the use of screws

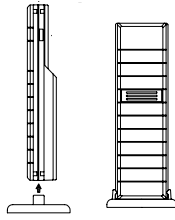
#### MOUNTING WITH SCREWS



1. Remove the mounting bracket from the Temperature transmitter.
2. Place the mounting bracket over the desired location.
3. Through the two screw holes of the bracket, mark the mounting surface with a pencil.
4. Screw mounting bracket onto the mounting surface. Ensure that the screws are tight against the bracket.
5. Insert the Temperature transmitter into the bracket.

### Table standing

With the mounting bracket installed at the bottom, the transmitter can be placed on any flat surface.



### Note:

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

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

### SPECIFICATIONS

#### Note:

Detailed Set up procedures of the Temperature Station and the transmitter refers to the main operation manual of WS-9021U or 9640U.

<b>Data measuring range:</b>	
Outdoor temperature:	-39.8 °F to 139.8°F with 0.2°F resolution (-39.8°C to 59.9°C with 0.1°C resolution) "OFL" displayed if outside this range
Transmission range:	330 feet (100 m) in open space
<b>Power Supply:</b>	
Temperature transmitter :	2 x AA, IEC LR6, 1.5V
Battery life cycle:	Approximately 24 months
Recommended battery type:	Alkaline
<b>Dimensions (H x W x D):</b>	
Temperature transmitter	1.50 x 0.83 x 5.05 in (38.2 x 21.2 x 128.3 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, Ltd  
2817 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)

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.