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You can read the recommendations in the user guide, the technical guide or the installation guide for LA CROSSE TECHNOLOGY TX29U-IT. You'll find the answers to all your questions on the LA CROSSE TECHNOLOGY TX29U-IT in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

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TX29U - Wireless 915 MHz Temperature Transmitter

The TX29U temperature transmitter measures the outdoor temperature and transmits the data to the Temperature Station.



INVENTORY OF CONTENTS

1. One TX29U Temperature transmitter
2. Mounting bracket
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 indoor wet readings.
- Fog and rain 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 open air with no obstructions and that radio waves DO NOT penetrate through objects. Actual transmitter range will vary depending on what is in the path of the signal. Each obstruction (roof, walls, fences, ceilings, etc.) will effectively cut signal range in half.

Example: A wireless weather temperature station with a 330-foot (100 m) range is mounted on an interior wall, so that the signal has to pass through an interior wall, one exterior wall and about the 10-foot (3 m) width of the room between the walls. The first wall will reduce the range to 165 feet (50 m), and the second wall will reduce the range to 82 feet (24.5 m). Factoring in the 10-foot room, this leaves a maximum of 72 feet (22.5 m) of remaining signal range.

The alkaline is typically enough for a lifetime and without metal siding, however certain materials can reduce range even further. Metal siding, ducts, and some types of glass can reduce signal range by as much as 40% more compared to the typical of most obstructions. It is possible to receive a signal through these materials, however, resulting 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 OUTDOORS LCD after 5 minutes, user should 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 in the temperature transmitter (see "Battery Installation" below).
2. Within 2 minutes of powering up the transmitter, insert the batteries in 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, you 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 spacing 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 transmitter and 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 1st 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 minutes, 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. They 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 repeat the setting option 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, there 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 reset the setup from step 1.

BATTERY INSTALLATION

Temperature Station

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

Remote Temperature transmitter

1. Remove the battery cover by sliding the cover down.
2. Observe the correct polarity (indicated by 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 902MHz and the learning is tried for another 45 seconds. If it still not successful the frequency is increased to 916MHz. This will also be done during re-configuration.

Detailed Set up procedures of the Temperature Station and the Transmitter refer to the main operation manual of WS-912U or 980U.

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 the mounting bracket onto the mounting surface. Ensure that the screws are tight against the bracket.
5. Insert the temperature transmitter into the bracket.



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Manual abstract:

2. 3. TX29U -Wireless 915 MHz Temperature Transmitter The TX-29U temperature transmitter measures the outdoor temperature and transfers the data to the temperature station. 4. 5. 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. Insert the batteries to the first transmitter. Within 2 minutes of powering up the first transmitter, insert the batteries to the Temperature Station. @@@@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.

@@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. @@@@@2.

3. One TX29U Temperature transmitter Mounting hardware Instruction manual and warranty card. 7. 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. 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** 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 ¾ 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. @@@@Temperature Station 1. Lift up the battery compartment cover. 2. Observing the correct polarity install 2 AA, Alkaline batteries. @@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. @@3. Replace the battery cover by sliding upwards. Be sure battery cover is on securely. @@@@This will also be done during resynchronization. @@@@2. @@@@@Once the indoor data is displayed user may proceed to the next step.

3. @@@@@4.

@@@2. 3. 4. 5. Remove the mounting bracket from the Temperature transmitter. Place the mounting bracket over the desired location. @@Screw mounting bracket onto the mounting surface. Ensure that the screws are tight against the bracket. @@@@@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. 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.

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 (warranty work) sales@lacrossetechnology.com (information on other products) web: www.lacrossetechnology.com **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. Data measuring range:

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 Power Supply: Temperature 2 x AA, IEC LR6, 1.5V transmitter : Battery life cycle: Approximately 24 months Recommended Alkaline battery type: Dimensions (H x W x D): Temperature 1.50 x 0.83 x 5.05 in transmitter (38.

2 x 21.2 x 128.3 mm) 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. **WARRANTY INFORMATION** La Crosse Technology, Ltd provides a 1-year limited warranty on this product against manufacturing defects in materials and workmanship.



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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. @@@@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 spe.



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