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La Crosse Technology TX29U-IT

La Crosse Technology TX29U-IT 915 MHz Wireless Temperature Sensor Instruction Manual

This manual provides detailed instructions for the setup, operation, and maintenance of the La Crosse Technology TX29U-IT 915 MHz Wireless Temperature Sensor.

1. PRODUCT OVERVIEW

The La Crosse Technology TX29U-IT is a 915 MHz wireless temperature sensor designed to work with compatible La Crosse Technology wireless temperature stations. It provides remote temperature readings to your display unit using Instant Transmission wireless technology.

Key Features:

- 915 MHz transmission for powerful, continuous communication.
- Transmission range up to 330 feet (100 meters).
- Weather-resistant design.
- Measures approximately 5 by 1 by 1-1/2 inches.

Compatibility:

This sensor is compatible with specific La Crosse Technology 915 MHz wireless temperature stations. Refer to your display unit's manual or the product packaging for a complete list of compatible models. Examples include:

- COMBO8-IT (WS-7394/7013)
- KCOMBO3-IT (WS-9640/9080)
- KCOMBO4-IT (WS-9740/9117)
- WS-9160U-IT (Version 1 only)
- WS-7013U-IT series (including WS-7013-IT-CA)
- WS-7014CH-IT & WS-7017U-IT
- WS-7034U-IT & WS-7034U-IT-CA
- WS-7215U-IT & WS-7394-IT series
- WS-9002U-IT & WS-9021-IT
- WS-9077-IT & WS-9080U-IT
- WS-9117U-IT & WS-9117U-IT-CA
- WS-9153-IT & WS-9611U-IT

- WS-9711U-IT & WS-9780U-IT
- WS-9626U-IT-CA
- WS-9640U-IT, WS-9640U-IT-CA & WS-9650U-IT

This sensor will not function with models not listed above or those that do not utilize 915 MHz Instant Transmission technology.

2. PACKAGE CONTENTS

- TX29U-IT Wireless Temperature Sensor
- Mounting Bracket
- Screws (typically found within the product manual packaging)



Image: The TX29U-IT sensor shown with its included mounting bracket.

3. SETUP AND INSTALLATION

To establish proper communication between the sensor and your display unit, follow these steps carefully:

1. **Initial Placement:** Bring both the sensor and the display unit indoors. Place them 3-5 feet apart with no obstructions between them.

2. **Remove Batteries:** Remove all batteries from both the sensor and the display unit.
3. **Clear Memory:** On the display unit, press any button at least 20 times to clear its memory. Verify that the display is blank before proceeding.
4. **Install Sensor Batteries:** Using good quality alkaline batteries (2 AA, not included), install them into the remote sensor. Ensure correct polarity according to the diagrams in the battery compartment.
5. **Install Display Unit Batteries:** Without pressing any buttons, reinstall batteries into the display unit, observing correct polarity.
6. **Establish Connection:** Do not press any buttons on either unit for at least 15 minutes after installing batteries. This allows the units to establish a stable connection. An outdoor temperature reading should appear on your display unit.
7. **Outdoor Placement:** Once the connection is established, you can place your outdoor sensor in its desired location.

Sensor Placement Guidelines:

- **Optimal Location:** Choose a shaded area, away from direct sunlight, to ensure accurate temperature readings. Direct sunlight can cause artificially high readings.
- **Protection from Elements:** While weather-resistant, avoid locations where the sensor will be heavily rained on or submerged in water. An overhang or sheltered spot is ideal.
- **Signal Transmission:** Ensure there are no major obstructions like large metal objects or dense foliage directly between the sensor and the display unit, as these can interfere with the 915 MHz signal.
- **Mounting:** Use the provided mounting bracket and screws to securely attach the sensor to a wall or post.



Image: The TX29U-IT sensor mounted on an exterior wall, typically under an overhang for protection.

4. BATTERY INSTALLATION AND REPLACEMENT

The TX29U-IT sensor requires 2 AA alkaline batteries (not included).

1. Open the battery compartment cover on the back of the sensor.
2. Insert two fresh AA batteries, ensuring the correct polarity (+ and -) as indicated inside the compartment.
3. Close the battery compartment cover securely.
4. When replacing batteries in the sensor, it is recommended to also remove and reinstall batteries in the display unit, following the full setup procedure (Section 3) to re-establish a strong connection.



Image: Front view of the TX29U-IT sensor, showing its compact design.

5. OPERATION

Once successfully paired with your compatible La Crosse Technology display unit, the TX29U-IT sensor will continuously transmit temperature data. The display unit will then show the outdoor temperature reading. No further direct interaction with the sensor is typically required during normal operation.

6. MAINTENANCE

- **Battery Life:** Battery life varies depending on temperature conditions and battery quality. Replace batteries when the display unit indicates a low battery for the sensor or if readings become intermittent.
- **Cleaning:** Wipe the sensor with a soft, damp cloth if it becomes dirty. Avoid using abrasive cleaners or solvents.
- **Environmental Protection:** Ensure the sensor remains in a location protected from extreme weather conditions beyond its weather-resistant capabilities, such as prolonged heavy rain or direct, intense sunlight.

7. TROUBLESHOOTING

If you experience issues with your TX29U-IT sensor, consider the following:

- **No Temperature Reading / Lost Connection:**

- Perform the full setup procedure outlined in Section 3. This involves removing batteries from both the sensor and display unit, clearing the display unit's memory, and reinstalling batteries in sequence.
- Ensure both units are within the effective transmission range (up to 330 feet) and that there are no significant obstructions.
- Check battery levels in both the sensor and the display unit. Replace with fresh alkaline batteries if needed.

- **Inaccurate Temperature Readings:**

- Verify the sensor's placement. It should be in a shaded area, away from direct sunlight, heat sources, or reflective surfaces that could affect temperature readings.
- Ensure the sensor is not exposed to direct rain or moisture that could temporarily affect its internal components.

- **Short Transmission Range:**

- Relocate the sensor or display unit to minimize interference from large metal objects, thick walls, or dense trees.
- Ensure fresh batteries are installed in both units.

8. SPECIFICATIONS

Model Number	TX29U-IT
Product Dimensions	1.5 x 0.8 x 5 inches (3.8 x 2.0 x 12.7 cm)
Weight	0.71 ounces (20 grams)
Power Source	2 AA batteries (not included)
Connectivity Technology	915 MHz Wireless
Transmission Range	Up to 330 feet (100 meters) in open air
Material	Plastic
Color	White
Special Feature	Wireless, Weather Resistant

9. SUPPORT AND WARRANTY

La Crosse Technology products are designed with quality and reliability in mind. For technical assistance, resources, or video tutorials, please visit the official La Crosse Technology support website or contact their USA-based support team. Specific warranty details are typically provided with the product packaging or available on the manufacturer's website.

For further information, you may visit the [La Crosse Technology Store](#).