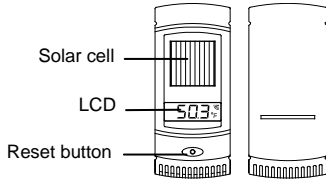




Tomorrow's Weather Today™

# TX61U-IT Wireless 915 MHz Solar-Powered Temperature Sensor

The **TX61U-IT sensor** sends the collected outdoor temperature to your existing Wireless Display (not included) by way of a 200 Ft wireless signal.



## INVENTORY OF CONTENTS

1. One TX61U-IT solar-powered wireless temperature sensor
2. Mounting hardware
3. Instruction manual

## IMPORTANT NOTES ON SETUP AND OPERATION

- Place the TX61U-IT sensor in a dry, shaded area. Please avoid a location with direct sun, as it will cause incorrect temperature readings.
- The TX61U-IT sensor consumes solar power and uses the internal rechargeable batteries to store the collected power.
- The sensor features a high-efficiency modern solar panel that maintains a full charge with minimal light; do not place in direct sun light.
- Fog and mist will not harm the sensor but direct rain must be avoided.
- The TX61U-IT sensor has a wireless range of 200 feet (60.96 m). Keep in mind that the 200 ft range equates to an open air scenario with no obstructions, and that radio waves DO NOT curve around objects. The 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:** If the TX61U-IT Sensor, with a 200 feet (60.96 m) range, is mounted on an exterior wall, the signal must then pass through one exterior wall, one interior wall, and across the 10 feet (3 m) width of the room between the 2 walls to reach the Wireless Display. The first wall will reduce the range to 100 feet (30.48 m), and the second wall will reduce the range to 50 feet (15.24 m). Factoring in the 10 foot room, this leaves a maximum of 40 feet (12.92 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 TX61U-IT sensor measures and transmits signal about every 8 seconds when its battery voltage is higher than 2.4V.
- Once the batteries are inserted into the Wireless Display (not included), it will search for the signal transmitting from the TX61U-IT for a few minutes. If the Wireless Display fails to receive the outdoor temperature, this means that the TX61U-IT is either located too close or too far from the Wireless Display. Please adjust the location of the TX61U-IT sensor and try again. If it fails again, please restart the set up procedure (see below).

## SETTING UP

**Step 1.** It is important to allow sufficient light to reach the solar panel while activating the sensor. Make sure the lights are on in the setup room and the solar panel is facing a 60W light bulb or brighter - do not cover with hands or other objects. To begin the set up process, use the included plastic reset rod to GENTLY PUSH the reset button once in the hole on the front of the sensor with the LCD/solar panel facing a light source. All LCD segments will light up briefly. The code number and the security code (for example, "20") of the model will be displayed sequentially. Next, the battery voltage will be shown on the LCD, it should be higher than 2.4V to maintain normal operation. Then the current temperature will appear on the sensor's LCD, and it will start to transmit the wireless temperature signal.

**Note:** When the voltage of the TX61U-IT sensor is lower than 2.4V, the transmission of signal stops and "LO" is displayed on the LCD for approximately 2 seconds before the sensor enters into the "IDLE" mode. In the "IDLE" mode, the LCD turns off. The sensor will check and charge up the internal rechargeable battery automatically. When the battery voltage rises up to 2.5V, the LCD will turn on and transmission of signal will start again.

**Step 2.** Insert the batteries into the Wireless Display (not included) within 2 minutes of performing the start up process for the TX61U-IT. Once the

batteries of the Wireless Display are in place, all segments of its LCD will light up briefly. Then the indoor temperature and the time (displayed as 12:00) will appear on the Wireless Display. If they do not appear after 30 seconds, please reinstall the Wireless Display batteries and try again. Once the indoor data is displayed, proceed to the next step.

**Step 3.** After the Wireless Display is powered up, it will start receiving wireless temperature signal from the TX60U-IT sensor. If reception is successful, the outdoor temperature will appear on the Wireless Display. If this does not happen after 5 minutes, please remove the batteries from the Wireless Display and go back to Step 1.

**Step 4.** To ensure sufficient 915 MHz wireless communication, the final distance between the Wireless Display and the TX61U-IT sensor should be no greater than 200 feet (60.96 meters) open air.

**Note:** If the TX61U-IT is placed in a dark environment for 24 hours, it will enter into the "STOP" mode to save power. The LCD will turn off and it will stop transmitting the wireless temperature signal. If this happens, please press the reset button on the TX61U-IT sensor to wake it up again. Afterwards, if the voltage is higher than 2.4V, the LCD will turn on again and resume the transmission of the wireless temperature signal. However, if the voltage is lower than 2.4V, "LO" will appear on the LCD and the sensor will enter into "IDLE" mode.

If the battery voltage is lower than 2.4V, please relocate the TX61U-IT sensor to a brighter environment in order to charge up the internal rechargeable batteries to continue normal operation.

## BATTERY INFORMATION

### Wireless Display

To replace the batteries in the Wireless Display:

1. Lift up the battery compartment cover and remove the batteries.
2. Please take note to install the batteries with the proper polarity as it relates to the battery (+) (-) diagram inside the battery compartment. The batteries will fit tightly (to avoid start-up problems please ensure that the batteries do not spring free).
3. Replace compartment cover.

Please follow the "SETTING UP" steps listed in the previous section of this manual to ensure that the wireless temperature reception is successful.



### TX61U-IT Wireless Solar-Powered Temperature Sensor

The TX61U-IT sensor DOES NOT have replaceable batteries.

1. The TX61U-IT sensor consumes solar power and charges the internal battery pack up automatically. No battery replacement is needed.

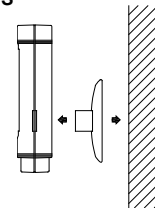
Help us to keep our environment clean. Please take used batteries from the Wireless Display and the TX61U-IT sensor to an authorized depot for recycling.

## MOUNTING

### THE TX61U-IT Sensor

The sensor can be mounted onto a wall using the included screws

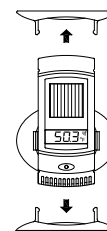
### MOUNTING WITH SCREWS



1. Remove the mounting bracket from the TX61U-IT sensor.
2. Place the mounting bracket over the desired location.
3. Mark the mounting surface with a pencil through the two screw holes of the bracket.
4. Screw the mounting bracket onto the mounting surface. Ensure that the screws are tight against the bracket.
5. Insert the TX61U-IT sensor into the bracket.

### TABLE STANDING AND OTHER MOUNTING OPTIONS

With the mounting bracket installed at the bottom or on the top of the TX61U-IT sensor, the user can place it on any flat surface.



### Note:

Before permanently fixing the TX61U-IT 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 TX61U-IT 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.
- Opening the casings invalidates the warranty. Do not try to repair the unit. Contact La Crosse Technology® for repairs.

## SPECIFICATIONS

### **Note:**

For detailed set up procedures for the Wireless Display and the TX61U-IT, please refer to the main operation manual of Wireless Display.

<b>TX61U-IT sensor data measuring range:</b>	
Outdoor temperature:	-39.8°F to 139.8°F (-39.9°C to 59.9°C) with 0.1°F resolution. "OFL" displayed if outside this range
Transmission range:	200 feet (60.96 m) in open space
Signal reception and re-synchronization:	903MHz, 915MHz and 927MHz
Operating voltage:	2.5V or higher than 2.5V
<b>Dimensions (H x W x D):</b>	3.94" x .93" x 1.7" (100 x 25.3 x 43 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  
2809 Losey Blvd. S.  
La Crosse, WI 54601  
Phone: 608.782.1610  
Fax: 608.796.1020

For online contact / support / e-mail:  
[www.lacrossetechnology.com/support](http://www.lacrossetechnology.com/support)

For information on other products:  
[sales@lacrossetechnology.com](mailto:sales@lacrossetechnology.com)

### *FCC DISCLAIMER*

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.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

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