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You can read the recommendations in the user guide, the technical guide or the installation guide for LA CROSSE TECHNOLOGY WS-9711U-IT. You'll find the answers to all your questions on the LA CROSSE TECHNOLOGY WS-9711U-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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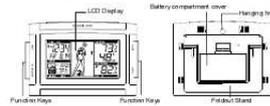
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INSTANT TRANSMISSION is the state-of-the-art new wireless transmission technology, exclusively designed and developed by LA CROSSE TECHNOLOGY. **INSTANT TRANSMISSION** offers you an immediate update (every 4 seconds) of all your outdoor data measured from the transmitters (follow your climatic variations in real-time!)

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FEATURES: The Weather Station



- WWVW Radio control time with manual setting option
- WWVW Time expires ON/OFF
- 12:24 hour display
- Hour, minute and second/time display
- Calendar (weekday, date, month and year)



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Manual abstract:

SETTING UP: When one transmitter is used 1. First, insert the batteries into the Temperature transmitter (see "Install and replace batteries in the Temperature transmitter"). 2. Immediately after and within 30 seconds, insert the batteries into Weather station (see "Install and replace batteries in the Weather station"). Once the batteries are in place, all segments of the LCD will light up briefly. Next, the time shows 12:00 and the "Weather girl" icon will be displayed. If these are not displayed after 60 seconds, remove the batteries and wait for at least 10 seconds before reinserting them. 3. After inserting the batteries, the Weather station will start receiving data from the transmitter. The outdoor temperature and the signal reception icon should then be displayed on the Weather station. If this does not happen after 3 minutes, the batteries will need to be removed from both units and reset from step 1. In order to ensure sufficient 915 MHz transmission however, this should under good conditions be a distance no more than 330 feet (100 meters) in open air between the final position of the Weather Station and the transmitter (see notes on "Positioning" and "915 MHz Reception"). Once the remote temperature has been received and displayed on the Weather station, the WWVB time (radio controlled time) code reception is automatically started. This takes typically between 3-5 minutes in good conditions. If after 10 minutes, the WWVB time has not been received, press the SET key to manually enter a time initially. 5. this does not happen after 2 minutes, the batteries will need to be removed from both units and reset from step 1. Insert the batteries to the second transmitter as soon as the outdoor temperature readings from the first transmitter are displayed on the Weather station. Note: User must insert the batteries into the second transmitter within 10 seconds of reception of the first transmitter. 6. 7. When more than one transmitter is used 1. 2. 3. User shall remove all the batteries from the Weather Station and transmitters and wait for 60 seconds if setting has been done with one transmitter before. Insert the batteries to the first transmitter. Within 30 seconds of powering up the first transmitter, insert the batteries to the Weather Station. Once the batteries are in place, all segments of the LCD will light up briefly.

Following this, the time (shown as 12:00) and the weather girl icon will be displayed. If they are not shown in the LCD after 60 seconds, remove the batteries and wait for at least 60 seconds before reinserting them. The outdoor temperature from the first transmitter (channel 1) should then be displayed on the Weather station. Also, the signal reception icon will be displayed. If The outdoor data from the second transmitter and the "channel 2" icon should then be displayed on the Weather station. If this does not happen after 2 minutes, the batteries will need to be removed from all the units and reset from step 1. Insert the batteries in the third transmitter as soon as the "channel 2" icon and outdoor data are displayed on the Weather station. Within 2 minutes, the channel 3 outdoor data from the third transmitter will be displayed and the channel icon will shift back to "1". If this does not happen, you must restart from step 1.

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

8. 4. 9. In order to ensure sufficient 915 MHz transmission however, this should under good conditions be a distance no more than 330 feet (100 meters) in open air between the final position of the Weather Station and the transmitter (see notes on "Positioning" and "915 MHz Reception"). Once the remote temperature has been received and displayed on the Weather station, the WWVB time (radio controlled time) code reception is automatically started. This takes typically between 6-8 minutes in good conditions. 7 8 **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 the setup again from step 1. Note: Daily WWVB reception (Atomic time) is attempted at the top of each hour between 12:00 am to 6:00 am. If the reception is successful, there is no reception attempt until the following day.

When this is successful, the received time will override the manually set time. The date is also updated with the received time. (Please also refer to the notes on "WWVB Radio Controlled time" and "Manual Time Setting") Note: If the WWVB tower icon flashes on the top left of the LCD, but does not set the time or the tower does not appear at all, then please note the following: WWVB RADIO CONTROLLED TIME The NIST (National Institute of Standards and Technology Time and Frequency Division WWVB radio station is located in Ft. Collins, Colorado, and transmits the exact time signal continuously throughout the United States at 60 kHz. The signal can be received up to 2,000 miles away through the internal antenna in the Wireless Weather Station. However, due to the nature of the Earth's ionosphere, reception is very limited during daylight hours. The Wireless Weather Station will search for a signal every night when reception is best. The WWVB radio station receives the time data from the NIST Atomic clock in Boulder, Colorado. A team of atomic physicists is continually measuring every second, of every day, to an accuracy of ten billionths of a second per day. These physicists have created an international standard, measuring a second as 9.

192.631.770 vibrations of a Cesium-133 atom in a vacuum. This atomic clock regulates the WWVB transmitter. Recommended distance from any interfering sources like computer monitors or TV sets is a minimum of 6 feet (2 meters). With ferro-concrete rooms (basements, superstructures), the received signal is naturally weakened. In extreme cases, please place the unit close to a window and/ or point its front or back towards the Fort Collins, Colorado transmitter. During nighttime, the atmospheric disturbances are usually less severe and reception is possible in most cases. A single daily reception is adequate to keep the accuracy deviation below 1 second. In case the Weather Station is not able to detect the WWVB-signal (disturbances, transmitting distance, etc.), the time can be manually set (please refer to the notes on Manual time setting). **INSTALL OR REPLACE BATTERIES IN THE WEATHER STATION** The

Weather Station uses 2 x AA, IEC LR6, 1.5V batteries. To install or replace the batteries, please follow the steps below: 1. 2.

3. Remove the cover at the back of the Weather Station. Insert batteries observing the correct polarity (see marking). Replace compartment cover. 9 10 **INSTALL OR REPLACE BATTERIES IN THE TEMPERATURE TRANSMITTER** The Temperature Transmitter uses 2 x AA, IEC LR6 and a 1.



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5V battery. To install or replace the batteries, please follow the steps below: 1. Remove the battery compartment cover at the back of the transmitter. 2. Insert the batteries, observing the correct polarity (see marking). 3. Replace the battery compartment cover on the unit. Note: When 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 Weather station in the first 3 minutes of power being supplied to it. SNOOZE/ SUN key FUNCTION KEYS: Weather Station: SET key ALM key MIN/ MAX key CH/ + key BATTERY CHANGE: It is recommended to replace the batteries in all units regularly to ensure optimum accuracy of these units (Battery life See Specifications below).

Please participate in the preservation of the environment. Return used batteries to an authorized depot. SET: This key is used to: Enter the set mode for the following functions: LCD contrast, Time zone, Daylight saving time ON/OFF, Time Reception ON/OFF, 12/24 hour display, Manual time, Year, Month, Date,

Sunrise/ Sunset city location, Snooze time duration, °F/°C, and Weather forecast sensitivity settings. Toggle between the display of "Weekday + date + month", "Second", "Alarm time", and "Date + month + year". 11 12 Press and hold for 3 seconds to reset the maximum/ minimum temperature and humidity records of indoor and the currently selected outdoor channel at the same time (will reset all records to current level). Stop the alarm Switch on the backlight MIN/ MAX This key is used to: Toggle between the maximum/ minimum outdoor temperature and maximum/ minimum indoor temperature and humidity data

Note: The Time/date shown is corresponding to MIN/MAX temperature data. CH/ + key This key is used to: Toggle between the Outdoor transmitters 1, 2 and 3 (if more than 1 transmitter is used) Adjust LCD contrast, time zone, Time Reception ON/OFF, 12/24 hour display, hour, minute, year, month, day, snooze

time duration, °F/°C and weather forecasting icon sensitivity in setting modes Adjust the alarm time in alarm setting mode Stop the alarm Switch on the backlight SNOOZE/ SUN key This key is used to: Activate the snooze function for the alarm Toggle between the sunrise time, sunset time, sun duration in the Sun display Exit manual setting mode and alarm setting mode Switch on the backlight Stop the alarm Switch on the backlight ALM key (alarm) This key is used to: Press for about 3 seconds to enter the Alarm set mode Activate/ deactivate the alarm Stop the alarm Switch on the backlight LCD SCREEN AND SETTINGS: The LCD screen is split into 5 sections displaying the information for time, date, weather forecast, indoors and outdoors. 13 14 WWVB Tower Icon Alarm icon (for time reception) Daylight saving time Weather Tendency icon indicates whether the last reception was successful ("ON" icon) or not ("OFF" icon). If this icon is blinking set the time zone. The range runs from 12 to -12 in consecutive 1hour intervals.

The U.S. time zones are (negative numbers) -5h (EST), -6h (CST), 7h (MST) and 8h (PST) zones. 3. Press the SET key to confirm and enter the "Daylight Saving Time" (DST) or exit the setting mode by pressing the SNOOZE/ SUN key DAYLIGHT SAVING TIME (DST) ON/OFF SETTING Flashing TIME ZONE SETTING: Note: The DST default is "ON", meaning that the received time will automatically be adjusted according to Daylight Saving Time in the spring and fall.

For areas that do not recognize DST changes turn the DST "OFF". Flashing Flashing 19 20 The default is ON for the daylight saving time setting 1. DST starts flashing in the top left black bar and "on" flashing in the bottom left section above the city selection. 2. Use the CH/+ key to toggle between and select on or off.

3. Confirm selection with the SET key and enter the Radio Controlled Time Reception ON/OFF Setting. 2. 3. Use the CH/ + key to turn OFF the time reception function. Confirm with the SET key and enter the "12/24-Hour Display setting" or exit the setting mode by pressing the SNOOZE/ SUN key. Note: If the Time Reception function is turned OFF manually, the clock will not attempt any reception of the WWVB time as long as the Time Reception OFF function is activated. The Time Reception icon will not be displayed on the LCD. RADIO CONTROLLED TIME RECEPTION ON/OFF SETTING 12/24 HOUR TIME DISPLAY SETTING Flashing (time reception icon) Flashing Digit flashing 1. 2.

3. In area where reception of the WWVB time is not possible, the WWVB time reception function can be turned OFF. The clock will then work as a normal Quartz clock (Default setting is ON). 1. The digit "ON" and the time reception icon will start flashing on the LCD. After setting time reception ON/OFF, press the SET key. "12h" or "24h" flashes in the LCD. (default 12h) Press the CH/ + key to select the "12h" or "24h" display mode. Press the SET again to confirm and to enter the "Manual Time setting" or exit the setting mode by pressing the SNOOZE/ SUN key. 21 22 Note: When 24h mode display is selected, the calendar format will be date and month display. When 12h mode display is selected, the calendar format will be month and date display.

MANUAL TIME SETTING In case the Weather Station is not able to detect the WWVB-signal (for example due to disturbances, transmitting distance, etc.), the time can be manually set. The clock will then work as a normal Quartz clock. Note: The unit will still try to receive the signal between 12:00 to 6:00 a.m. every day even if the time has been manually set and if the WWVB time reception function has been set ON. When it does receive the signal, it will change the manually set time into the received time. During reception attempts the WWVB tower icon will flash. If reception has been unsuccessful, then the WWVB tower icon will not appear but reception will still be attempted the following hour. CALENDAR SETTING Minutes (Flashing) Hours (Flashing) To set the clock: 1.

The hour digits start flashing in the time display section. 2. Use the CH/ + key to adjust the hours and then press SET key to go to the minute setting. 3. The minute will be flashing. Press the CH/ + key to adjust the minutes. 4. Confirm with the SET key and enter the "Calendar Setting" or exit the setting mode by pressing the SNOOZE/ SUN key. The date default of the Weather Station is 1. 1.

of the year 2005 after initial set-up. Once the radiocontrolled time signals are received, the date is automatically updated. However, if the signals are not received, the date can also be set manually. To do this: Year "Date. Month." (for 24h time display) "Month.



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The LED back-light will be switched on for approximately 9 seconds before automatically switching OFF. 41 42 TEMPERATURE TRANSMITTER: 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. The transmission range is about 330 feet (100 m) from the transmitter to the Weather 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). Note: Sensor must be outside to transmit outdoor temperature. The sensor reads data from the environment it is currently in. 915 MHz RECEPTION If the outdoor temperature data is not being received within 5 minutes after setting up (the display shows ' - - - F" on the outdoor section for a long time during normal operation) please check the following items: 1. 2. 3. 4. The distance of the Weather Station or transmitter should be at least 5 to 6.

5 feet away from any interfering sources such as computer monitors or TV sets. Avoid positioning the Weather Station onto or in the immediate proximity of metal window frames. Using other electrical products such as headphones or speakers operating on the same signal frequency (915MHz) may prevent correct signal transmission and reception. Neighbors using electrical devices operating on the 915MHz signal frequency can also cause interference. POSITIONING 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. Note: When the 915MHz signal is received correctly, do not re-open the battery cover of either the transmitter or Weather 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. 43 44 To wall mount: 1. Secure the bracket onto a desired wall using the screws and plastic anchors.

2. Clip the remote temperature sensor onto the bracket. Note: 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 transmitters or move them slightly as this may help the signal reception. POSITIONING THE WEATHER STATION: The Weather Station comes complete with a foldout stand that gives the option of table standing or wall mounting. To wall mount: 1. Fix a screw into the desired wall, leaving the head extended out about 0.2" (5mm). 2. Using the Weather Station's hanging hole, carefully hang it onto the screw.

Note: Always ensures that the unit locks onto the screw head before releasing. 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. Precautions shall be taken when handling the batteries. Injuries, burns, or property damage may be resulted if the batteries are in contact with conducting materials, heat, corrosive materials or explosives. The batteries shall be taken out from the unit before the product is to be stored for a long period of time.

Immediately remove all low powered batteries to avoid leakage and damage. Replace only with new batteries of the recommended type. 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.

Special care shall be taken when handling a damaged LCD display. The liquid crystals can be harmful to user's health. 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. Never touch the exposed electronic circuit of the device as there is a danger of electric shock should it becomes exposed. 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. 45 46

SPECIFICATIONS: Temperature measuring range: Indoor : 14.1°F to +139.8°F with 0.

2°F resolution (-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 resolution, (-39.9°C to +59.9°C with 0.

1°C resolution, "OF.L" displayed if outside this range) Relative humidity measuring range: Indoor : 1% to 99% with 1% resolution (displays "- -" when lower than 1 %; displays "99" % if higher than 99 %) Indoor temperature checking interval : every 15 seconds Indoor humidity checking interval : every 20 seconds

Outdoor temperature reception : every 4 seconds Transmission range : up to 330 feet (100 meters) in open air Power consumption: Weather Station Temperature transmitter : : 2 x AA, IEC, LR6, 1.5V 2 x AA, IEC, LR6, 1.5V LIABILITY DISCLAIMER The manufacturer and supplier cannot accept any responsibility for any incorrect readings and any consequences that occur should an inaccurate reading take place. This product is not to be used for medical purposes or for public information.

This product is only designed to be used in the home as indication of the future weather and is not 100% accurate. @@The specifications of this product may change without prior notice. This product is not a toy. Keep out of the reach of children. @@@@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. Battery life cycle (Alkaline batteries recommended) Weather station : Approximately 24 months Temperature transmitter : Approximately 24 months Dimensions (H x L x D) Weather Station Temperature transmitter : : 3.64 x 4.89 x 1.12 inches (92.5 x 124.3 x 28.4 mm) 5.05 x 0.83 x 1.

50 inches (128.3 x 38.2 x 21.2 mm) 47 48 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.



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If necessary repairs are not covered by this warranty, or if a product is examined which is not in need of 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. South La Crosse, WI 54601 Phone: 608.782.1610 Fax: 608.796.1020 To contact Customer Support / Warranty work by email www.lacrossetechnology.com/support/ La Crosse Technology® on the Web: www.lacrossetechnology.com 49 50 FCC DISCLAIMER This device complies with part 15 of the FCC rules.

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