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You can read the recommendations in the user guide, the technical guide or the installation guide for LA CROSSE TECHNOLOGY WS9611. You'll find the answers to all your questions on the LA CROSSE TECHNOLOGY WS9611 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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Manual abstract:

« Instant Transmission+ » is the up and coming state-of-the-art new wireless transmission technology, exclusively designed and developed by LA CROSSE TECHNOLOGY. "IT +" offers you an immediate update of all your outdoor data measured from the transmitters: follow your climatic variations in real-time!

49 FEATURES: The Weather Clock LCD Display Battery compartment cover Hanging hole Function Keys Function Keys Foldout Stand DCF-77 Radio controlled time with manual setting options DCF Time reception ON/OFF 12/24 hour display Hour, minute and second time display Calendar (weekday, date, month and year) Time zone option ± 12 hours 50 Alarm with snooze function Snooze setting Weather forecasting with 15 easy-to-read weather forecast signs featured by "Weather man" Weather forecasting icon sensitivity setting Temperature display in degrees Celsius ($^{\circ}\text{C}$) or Fahrenheit ($^{\circ}\text{F}$) selectable Indoor and outdoor temperature display with MIN/MAX recording Indoor humidity reading displayed as RH% with MIN/MAX recordings All MIN/MAX temperature recordings show date and time received All MIN/MAX recordings can be reset Display of sunrise time, sunset time and sun duration in 39 cities 12 Moon phases display throughout the year Can take up to three outdoor transmitters LCD contrast setting Low battery indicator LED backlight Table standing/ Wall mounting 51 The Outdoor Temperature Transmitter · Remote transmission of outdoor temperature to Weather Clock by 868 MHz · Shower proof casing · Wall mounting case (Mounting at a sheltered place. Avoid direct rain and sunshine) 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 45 seconds, insert the batteries into Weather Clock (see "Install and replace batteries in the Weather Clock"). Once the batteries are in place, all segments of the LCD will light up briefly. Following the time as 0:00 and the "Weather man" 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.

52 3. 4. 5. After inserting the batteries, the Weather Clock will start receiving data from the transmitter. The outdoor temperature and the signal reception icon should then be displayed on the Weather Clock. 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 868 MHz transmission however, this should under good conditions be a distance no more than 100 meters between the final position of the Weather Clock and the transmitter (see notes on "Positioning" and "868 MHz Reception"). Once the remote temperature has been received and displayed on the Weather Clock, the DCF time (radio controlled time) code reception is automatically started. This takes typically between 3-5 minutes in good conditions. If after 10 minutes, the DCF time has not been received, press the SET key to manually enter a time initially.

When more than one transmitter is used 1. User shall remove all the batteries from the Weather Clock and transmitters and wait for 60 seconds if setting has been done with one transmitter before. 2. Insert the batteries to the first transmitter. 3. Within 25 seconds of powering up the first transmitter, insert the batteries to the Weather Clock. Once the batteries are in place, all segments of the LCD will light up briefly. Following time as 0:00 and the Weather man icon 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. 53 4.

5. The outdoor temperature from the first transmitter (channel 1) should then be displayed on the Weather Clock. Also, the signal reception icon will be displayed. If 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 Clock. Note: User shall insert the batteries into the second transmitter within 10 seconds of reception of the first transmitter. 6. The outdoor data from the second transmitter and the "channel 2" icon should then be displayed on the Weather Clock. If this does not happen after 2 minute, the batteries will need to be removed from all the units and reset from step 1. Insert the batteries to the third transmitter as soon as the "channel 2" icon and outdoor data are displayed on the Weather Clock.

Then within 2 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. 7. Note: · User shall insert the batteries into the third transmitter within 10 seconds of reception of the second transmitter. · And user may require to check the displayed readings on the Weather Clock against 54 those shown on the transmitters in order to recognise the Channel No. 8. In order to ensure sufficient 868 MHz transmission however, this should under good conditions be a distance no more than 100 meters between the final position of the Weather Clock and the transmitter (see notes on "Positioning" and "868 MHz Reception"). 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.

9. Once the remote temperature has been received and displayed on the Weather Clock, the DCF time (radio controlled time) code reception is automatically started. This takes typically between 3-5 minutes in good conditions. If after 10 minutes, the DCF time has not been received, press the SET key to manually enter a time initially. Note: Daily DCF reception is done at 02:00 and 03:00 every day. If the reception at 03:00 is not successful, then at 04:00 and 05:00 and 06:00 there are other tries, until one is successful. If 55 the reception at 06:00 is still not successful, then the next try takes place at 02:00 next day. If reception is successful, the received time will override the manually set time. The date is also updated with the received time. (Please refer also to notes on "DCF-77 Radio Controlled time" and "Manual Time Setting") INSTALL AND REPLACE BATTERIES IN THE WEATHER CLOCK The Weather Clock uses 2 x AA, IEC LR6, 1.



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5V batteries. To install and replace the batteries, please follow the steps below: 1. Remove the cover at the back of the Weather Clock. 2. Insert batteries observing the correct polarity (see marking). 3. Replace compartment cover. 56 **INSTALL AND REPLACE BATTERIES IN THE TEMPERATURE TRANSMITTER** The Temperature Transmitter uses 2 x AA, IEC LR6, 1.5V battery. To install and replace the batteries, please follow the steps below: 1. 2. 3. Remove the battery compartment cover at the back of the transmitter. Insert the batteries, observing the correct polarity (see marking). Replace the battery compartment cover on the unit.

Note: In the event of changing batteries in any of the units, all units need to be reset by following the setting up 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 Clock in the first 3 minutes of power being supplied to it. **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 authorised depot.

57 **FUNCTION KEYS:** Weather Clock: The Weather Clock has five easy to use function keys. SNOOZE/ SUN key SET key ALM key MIN/ MAX key CH/ + key 58 SET key (Setting): · To enter the set mode for the following functions: LCD contrast, Time zone, Time Reception ON/OFF, 12/24 hour display, Manual time, Year, Date, Sunrise/ sunset city location, Snooze time duration, °C/°F, and Weather forecast sensitivity settings. · To toggle between the display of "Weekday + date + month", "Second", "Alarm time", and "Date + month + year" · To press and hold for 3 seconds to reset at the same time the maximum/ minimum temperature and humidity records of indoor and the currently selected outdoor channel (will reset all records to current level) · To stop the alarm · To switch on the backlight MIN/ MAX · 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. · To stop the alarm · To switch on the backlight ALM key (alarm) · Press for about 3 seconds to enter the Alarm setting mode · To activate/ deactivate the alarm 59 · To stop the alarm To switch on the backlight CH/ + key · To toggle between the Outdoor transmitters 1, 2 and 3 (if more than 1 transmitter is used) · To adjust LCD contrast, time zone, Time Reception ON/OFF, 12/24 hour display, hour, minute, year, month, day, snooze time duration, °C/°F and weather forecasting icon sensitivity in setting modes · To adjust the alarm time in alarm setting mode · To stop the alarm · To switch on the backlight SNOOZE/ SUN key · To activate the snooze function for the alarm · To toggle between the sunrise time, sunset time, sun duration in the Sun display · To exit manual setting mode and alarm setting mode · To switch on the backlight 60 **LCD SCREEN AND SETTINGS:** DCF Tower Icon (for time reception) Alarm icon Weather Tendency icon Weather Clock low battery icon Time Calendar Indoor Temperature Indoor Relative Humidity % Transmitter low battery icon Moon phase display Sunrise/ sunset display Weather Forecast icon (Weather man) Outdoor Reception Signal* Outdoor Temperature Number showing Transmitter unit 61 *When the signal from the transmitter is successfully received by the Temperature Station, this icon will be switched on. (If not successful, the icon will not be shown on the LCD). User can therefore easily see whether the last reception was successful ("ON" icon) or not ("OFF" icon). On the other hand, the short blinking of the icon shows that a reception is being done at that time. For better distinctness the LCD screen is split into 5. Section 1 - TIME AND CALENDAR In normal mode display of radio controlled time. A reception tower symbol will be shown indicating that the DCF-77 time signal is scanned for (flashing) or received (steady).

Note: The symbol will not be shown when radio time reception is not successful or when time reception function is turned off. . . . Display of "Weekday + date + month", "Second", "Alarm time" or "Date + month + year" In normal display, the alarm icon will be shown when the alarm is turned on. Or when the snooze function is activated, the alarm icon will be flashing. Section 2 - Moon phase and Sunrise / Sunset · Display the sunrise, sunset, and sun duration time Display the 12 different moon phase 62 Section 3 - WEATHER ICON (FEATURED BY WEATHER MAN) · Display of the weather to be expected in form of 15 fancy weather symbols (featured by Weather man) whicFF SETTING Flashing (time reception icon) Digit flashing In area where reception of the DCF-77 time is not possible, the DCF-77 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. 2. Use the CH/ + key to turn OFF the time reception function. 3.

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 67 reception of the DCF time as long as the Time Reception OFF function is activated. The Time Reception icon will not be displayed on the LCD. 12/24 HOUR TIME DISPLAY SETTING flashing 1. 2.

3. After setting time reception ON/OFF, press the SET key, "12h" or "24h" flashes in the LCD. (default 24 h) 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. *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. 68 **MANUAL TIME SETTING** In case the Weather Clock is not able to detect the DCF-signal (disturbances, transmitting distance, etc.), the time can be manually set. The clock will then work as a normal Quartz clock. Hours (flashing) Minutes (flashing) To set the clock : 1. The hour and minute 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 just the minutes.



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Note: In the southern hemisphere, the phases of the moon are same but the shape of the moon is mirror inverted. Full Moon Large Waning Gibbous Small Waning Gibbous Last Quarter Large Waning Crescent Small Waning Crescent New Moon Small Waxing Crescent Large Waxing Crescent First Quarter Small Waxing Gibbous Large Waxing Gibbous 87 LED BACK-LIGHT The LED back-light will be automatically switched ON when any key is pressed. The LED back-light will be switched on for approximately 9 seconds before automatically switching OFF. 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. 868 MHz RECEPTION The Weather Clock should receive the temperature data within 5 minutes after set-up. If the temperature data is not received 5 minutes after setting up (not successfully 3 times continuously, the outdoor display shows "- - -"), please check the following points: 1. The distance of the Weather Clock or transmitter should be at least 1.5 to 2 meters away from any interfering sources such as computer monitors or TV sets.

2. Avoid positioning the Weather Clock onto or in the immediate proximity of metal window frames. 3.

Using other electrical products such as headphones or speakers operating on the same signal frequency (868MHz) may prevent correct signal transmission and reception. 4. Neighbors using electrical devices operating on the 868MHz signal frequency can also cause interference. 88 Note: When the 868MHz signal is received correctly, do not re-open the battery cover of either the transmitter or Weather Clock, 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.

@@@To wall mount: 1. @@2. Using the Weather Clock's hanging hole, carefully hang it onto the screw. Note: Always ensures that the unit locks onto the screw head before releasing. 89 POSITIONING THE 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.

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.

90 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. 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. 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. Immediately remove all low powered batteries to avoid leakage and damage. Replace only with new batteries of the recommended type. 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. 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. SPECIFICATIONS: Temperature measuring range: Indoor : -9.9°C to +59.9°C with 0.

1°C resolution 91 (14.1°F to +139.8°F with 0.2°F resolution, "OF.L" displayed if outside this range) -39.

9°C to +59.9°C with 0.1°C resolution (-39.8°F to +139.8°F with 0.2°F 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 Power supply: Weather Clock Temperature transmitter : : 2 x AA, IEC, LR6, 1.5V 2 x AA, IEC, LR6, 1.5V Outdoor : Battery life cycle (Alkaline batteries recommended) Weather Clock : Approximately 24 months Temperature transmitter : Approximately 24 months Dimensions (L x W x H) Weather Clock Temperature transmitter : : 124.3 x 28.

4 x 92.5 mm 38.2 x 21.2 x 128.3 mm 92 LIABILITY DISCLAIMER : The electrical and electronic wastes contain hazardous substances. Disposal of electronic waste in wild country and/or in unauthorized grounds strongly damages the environment. Please contact your local or/and regional authorities to retrieve the addresses of legal dumping grounds with selective collection. All electronic instruments must from now on be recycled. User shall take an active part in the reuse, recycling and recovery of the electrical and electronic waste. The unrestricted disposal of electronic waste may do harm on public health and the quality of environment.

As stated on the gift box and labeled on the product, reading the "User manual" is highly recommended for the benefit of the user. This product must however not be thrown in general rubbish collection points. 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 designed for use in the home only as indication of the temperature. This product is not to be used for medical purposes or for public information.

The specifications of this product may change without prior notice. This product is not a toy. Keep out of the reach of children. No part of this manual may be reproduced without written authorization of the manufacturer. 93 R&TTE Directive 1999/5/EC Summary of the Declaration of Conformity : We hereby declare that this wireless transmission device does comply with the essential requirements of R&TTE Directive 1999/5/EC.

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