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You can read the recommendations in the user guide, the technical guide or the installation guide for LA CROSSE TECHNOLOGY WS7027. You'll find the answers to all your questions on the LA CROSSE TECHNOLOGY WS7027 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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WIRELESS 868 MHz WEATHER STATION Instruction Manual

INTRODUCTION:

Congratulations on purchasing this Weather Station with wireless 868MHz transmission of outdoor temperature and humidity and display of indoor temperature and humidity. It is further featuring a DCF-77 radio controlled clock with date display. With four easy to use function keys, this innovative product is ideal for use in the home or office.



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!

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Manual abstract:

5V batteries. When batteries will need to be replaced, the low battery icon will appear on the LCD. To install and replace the batteries, please follow the steps below: 1. Insert finger or other solid object in the space at the bottom center of the battery compartment and lift up to remove the cover. 2. Insert batteries observing the correct polarity (see marking). 3. Replace compartment cover. **HOW TO INSTALL AND REPLACE BATTERIES IN THE THERMO-HYGRO OUTDOOR TRANSMITTER** The Thermo-hygro transmitter uses 2 x AA, IEC LR6, 1.5V battery.

To install and replace the batteries, please follow the steps below: 1. Remove the battery compartment cover. 2. Insert the batteries, observing the correct polarity (see marking). 3.

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 station in the first 3 minutes of power being supplied to it **BATTERY CHANGE:** It is recommended to replace the batteries in all units on an annual basis to ensure optimum accuracy of these units. Please participate in the preservation of the environment. Return used batteries to an authorised depot.

SETTING UP: WHEN ONE TRANSMITTER IS USED 1. First, insert the batteries in the transmitter (see "How to install and replace batteries in the Thermo-hygro outdoor transmitter" above). 2. Within 2 minutes of powering up the transmitter, insert the batteries in the Temperature Station (see "How to install and replace batteries in the Weather Station" above). Once the batteries are in place, all segments of the LCD will light up briefly and a short signal tone will sound. Following the indoor temperature/humidity and the time as 0:00 will be displayed. If these information are not displayed on the LCD after 60 seconds, remove the batteries and wait for at least 60 seconds before reinserting them. Once the indoor data is displayed user may proceed to the next step. 3.

@ @ @ @ @ @ 4.

@ @ Always wait at least 1 minute after removing the batteries before reinserting, otherwise start up and transmission problems may occur. **WHEN MORE THAN ONE TRANSMITTER IS USED** 1. User shall remove all the batteries from the Weather Station and transmitters, and wait 60 seconds. 2. Insert the batteries in the first transmitter. 3. Within 2 minutes of powering up the first transmitter, insert the batteries in the Weather Station. Once the batteries are in place, all segments of the LCD will light up briefly and a short signal tone will sound. Following the indoor temperature/humidity and the time as 0:00 will be displayed. If this information is not displayed on the LCD after 60 seconds, remove the batteries from both units and wait for at least 60 seconds before reinserting them.

4. The outdoor temperature and humidity data from the first transmitter (channel 1) should then be displayed on the Weather Station. Also, the signal reception icon will be displayed. @ @ 5. Insert the batteries in the second transmitter as soon as the outdoor temperature and humidity readings from the first transmitter are displayed on the Weather Station.

Note : User shall insert the batteries into the second transmitter within 45 seconds after the Weather Station displays the information of the first transmitter. 6. The outdoor temperature and humidity 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. 7.

Insert the batteries in the third transmitter as soon as the "channel 2" icon and outdoor data are displayed on the Weather Station. 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 does not happen, user shall restart the setting up from step 1. Note : User shall insert the batteries into the third transmitter within 45 seconds after the Weather Station displays the information of the first transmitter. Or immediately after reception of the second transmitter is 35 8. finished.

@ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ (If not successful, the icon will not be shown on LCD). @ @ @ @ @ @ @ @ In setting mode display of manual setting values. **LCD 2 - CALENDAR** Display date and month. In setting mode display of a variety of references and setting values **LCD 3 - WEATHER FORECAST AND WEATHER ICONS** Display of the weather to be expected in form of three weather symbols and two weather tendency indicators in form of an arrow, which change their appearance depending on the air pressure development.

LCD 4 - INDOOR TEMPERATURE AND HUMIDITY . . . In normal mode, on the left, display of the current indoor temperature. In normal mode, on the right, display of the current indoor relative humidity. By pressing the "IN" key, display of the stored MIN/MAX indoor temperature and humidity with simultaneous display of a MIN or MAX symbol in the upper center. In normal mode, display of comfort indicator. 39 · Display of low battery indicator. A small battery symbol on the upper right side indicates low running batteries. **LCD5 - OUTDOOR TEMPERATURE AND HUMIDITY** In normal mode, on the left, display of the current outdoor temperature. In normal mode, on the right, display of the current outdoor relative humidity. By pressing the "OUT" key, display of the stored MIN/MAX outdoor temperature and humidity with simultaneous display of a MIN or MAX symbol in the upper center. By pressing the "CH" key, display of outdoor sensors (up to three outdoor transmitters) 1, 2 or 3 in the center will indicate from which sensor the current reading originates.

Display of low battery indicator. A small battery symbol on the upper rig by pressing the CH key. Note: If the Time Reception function is turned OFF manually, the clock will not attempt any reception of the DCF time as long as the Time Reception OFF function is activated. The Time Reception and DCF icons will not be displayed on the LCD. 12/24 HOUR TIME DISPLAY SETTING "24" flashing 1.

2. 3. After setting time reception ON/OFF, press the SET key, "12h" or "24h" flashes in the LCD. Press the IN 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 CH key.

Note: When 24h mode display is selected, the calendar format will be date and month display. When 12h 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 DCF-signal (disturbances, transmitting distance, etc.



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), the time can be manually set. 1. Press the **IN** key. 2. Press the **TEMP** key. 3. Press the **UNIT** key. During reception attempts the DCF tower icon will flash. 1. of the year 2006 after initial set-up. To do this: 1.

Using the **IN** key, set the year required. The range runs from 2003 to 2029 (default is 2006). 2. Press the **TEMP** key. 3. Press the **UNIT** key. To select ° (degree Fahrenheit): C F 1. Press the **IN** key. 2. Press the **TEMP** key. Note: After setting up, readings for weather forecasts should be disregarded for the next 12-24 hours.

This will allow sufficient time for the Weather Station to collect air pressure data at a constant altitude and therefore result in a more accurate forecast. Common to weather forecasting, absolute accuracy cannot be guaranteed. The weather forecasting feature is estimated to have an accuracy level of about 75% due to the varying areas the Weather Station has been designed for use in. In areas that experience sudden changes in weather (for example from sunny to rain), the Weather 46 Station will be more accurate compared to use in areas where the weather is stagnant most of the time (for example mostly sunny). If the Weather Station is moved to another location significantly higher or lower than its initial standing point (for example from the ground floor to the upper floors of a house) temperature and humidity data, and the times at which they were recorded, press the **OUT** key continuously for about 3 seconds. This will reset all minimum and maximum data recorded to the current time, date, temperature and humidity. 3. Press the **UNIT** key. At cold temperatures the transmitting distance may be decreased. 2. 3.

4. The distance of the weather station or transmitter should be at least 1.5 to 2 meters 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 (868MHz) may prevent correct signal transmission and reception. Neighbours using electrical devices operating on the 868MHz signal frequency can also cause interference. Note: When the 868MHz 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. The transmission range is about 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). **POSITIONING THE WEATHER STATION:** The Weather Station comes attached with removable table stand, which provides the option of table standing or wall mounting the unit. To wall mount: 1. Press the **TEMP** key. 2. Press the **UNIT** key. The Transmitter can also be positioned on a flat surface by securing the stand to the bottom of the Transmitter. To wall mount: 1. Secure the bracket onto a desired wall using the screws and plastic anchors. 2. Clip the remote thermo-hygro transmitter 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. **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. 52 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 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. Opening and tampering with the unit may invalidate their guarantee. 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. This product must however not be thrown in general rubbish collection points. 54 As stated on the gift box and labeled on the product, reading the "User manual" is highly recommended for the benefit of the user. 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. Weather forecasts given by this product should be taken only as an indication and not as being totally accurate. 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 consent of the manufacturer. 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. 55 .



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