You can read the recommendations in the user guide, the technical guide or the installation guide for LA CROSSE TECHNOLOGY WS6158. You'll find the answers to all your questions on the LA CROSSE TECHNOLOGY WS6158 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

> **User manual LA CROSSE TECHNOLOGY WS6158**
> **User guide LA CROSSE TECHNOLOGY WS6158**
> **Operating instructions LA CROSSE TECHNOLOGY WS6158**
> **Instructions for use LA CROSSE TECHNOLOGY WS6158**
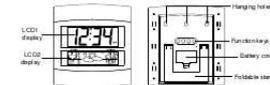> **Instruction manual LA CROSSE TECHNOLOGY WS6158**

Manual abstract:

"IT +" offers you an immediate update of all your outdoor data measured from the transmitters: follow your climatic variations in real-time! FEATURES: WEATHER WALL CLOCK: Hanging holes LCD1 display LCD2 display Function keys Battery cover Foldable stand · · · · · · DCF-77 Radio controlled time with manual setting option 24 hour time display Time display: hour, minute, second Alarm setting with snooze function Calendar display Weekday display (3 languages to choose from: German, English, and French) 19 · · · · · · · · · Weather forecasting with 3 weather icons Weather tendency indicator Time zone setting ºC or ºF temperature display selectable Indoor temperature display Outdoor temperature display via 868MHz transmission Low battery indicator Signal reception intervals at 4-second Wall mount or freestanding OUTDOOR TEMPERATURE TRANSMITTER: · · · Remote transmission of outdoor temperature to Weather Station by 868 MHz Wall mounting case Mounting at a sheltered place. Avoid direct rain and sunshine TO INSTALL AND REPLACE BATTERIES IN THE WEATHER WALL CLOCK The weather wall clock uses 2 x AA, IEC LR6, 1.5V batteries. 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 inside battery compartment). 3. Replace compartment cover. DO NOT SET THE CLOCK.

20 TO INSTALL AND REPLACE BATTERIES IN THE TEMPERATURE TRANSMITTER The transmitter uses 2 x AA, IEC LR6, 1.5V batteries. To install and replace the batteries, please follow the steps below: 1. Remove the cover. 2.

Insert the batteries, observing the correct polarity (see marking inside battery compartment). 3. Replace the battery cover on the unit. Alkaline batteries are recommended for use in both units. Avoid using rechargable batteries.

SETTING UP: 1. 2. Insert the 2 x AA, IEC LR6, 1.5V batteries into the transmitter (See "To install and replace batteries in the Temperature Transmitter" above). @@@@@@@@The remote temperature will then be displayed on the Weather wall clock. If the outdoor temperature is not displayed 90 seconds after inserting the batteries into the receiver, all batteries are needed to be removed and wait for at least 1 minute for reset from step 1. The DCF time code reception will automatically start. This takes typically between 3 - 5 minutes in good conditions. This time period is an excellent opportunity to locate the transmitter in suitable location outdoors. In order to ensure sufficient 868MHz transmission however, this should under good conditions be no more than 100 meters from where the Weather wall clock will be finally positioned (see notes on "Positioning" and "868MHz Reception").

If after 10 minutes the DCF time has not been received, use the SET key to enter into the set mode and change either the time or date in order to activate the DCF reception. The clock will then automatically attempt to receive the DCF time. When this is successful, 3. 4. 5. 6. 7. 21 the received time will override the manually set time. The date is also updated with the received time (Please refers to notes on "DCF Radio controlled time" and "Manual time setting"). Note: In the event of changing batteries of the unit ensure that the batteries do not spring free from the contacts.

Always wait at least 1 minute after removing the batteries before reinserting, otherwise start up and transmission problems may occur. RADIO CONTROLLED TIME: The time base for the radio controlled time is a Cesium Weather wall clock operated by the Physikalisch Technische Bundesanstalt Braunschweig, which has a time deviation of less than one second in one million years. The time is coded and transmitted from Mainflingen near Frankfurt via frequency signal DCF-77 (77.5 kHz) and has a transmitting range of approximately 1,500 km. Your radio-controlled Weather Station receives this signal and converts it to show the precise time in summer or wintertime.

The quality of the reception depends greatly on the geographic location. In normal cases, there should be no reception problems within a 1500km radius of Frankfurt. Once the outdoor temperature is displayed on the Weather station, the DCF tower icon in the clock display will start flashing in the upper left corner. This indicates that the clock has detected that there is a radio signal present and is trying to receive it. When the time code is received, the DCF tower becomes permanently lit and the time will be displayed.

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 the reception at 06:00 is still not successful, then the next try takes place at 02:00 next day. If the tower icon flashes, but does not set the time or the DCF tower does not appear at all, then please take note of the following: · Recommended distance to any interfering sources like computer monitors or TV sets is a minimum of 1.5 - 2 metres. · Within 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 Frankfurt transmitter. 22 · 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. FUNCTION KEYS The weather wall clock has four easy to use keys: SET key : To enter into the set mode for the following setting: Time zone, language, hour, minute, year, month, day, weekday, ºC or ºF temperature display.

To stop the snooze function To exit the setting mode + key : To toggle between the date, alarm time, seconds display. To change the values in manual set mode To stop the snooze function ALM key : To enter into the alarm set mode To set the alarm ON/OFF To exit the alarm setting mode SNZ key : To activate the snooze function during alarm To exit the setting mode WEATHER WALL CLOCK LCD SCREEN DESCRIPTIONS The weather wall clock's LCD is divided into 2 sections and once the batteries are inserted, all the segments will light up briefly before displaying the information for time, date, indoor and outdoor temperatures. Radio reception icon Low battery icon (transmitter) DCF time Low battery icon (wall clock) Alarm icon Outdoor reception signal Outdoor temperature Weekday Weather forecast and weather tendency indicator Indoor temperature Date 23 MANUAL SETTINGS Note: If the weather wall clock has already successfully received the DCF time signal and displays the correct time and date, then the Manual settings can be skipped.

After completion of the above described procedures in "Setting up", the manual setting modes can be entered by pressing the SET key. The following settings can now be programmed: · Time zone setting · Language display setting · Manual time setting · Year setting · Month setting · Day setting · Weekday setting · ºC or ºF setting TIME ZONE SETTING After entering the manual setting mode as described above, the time zone can be set between the 0 to -12 hour and then runs from 12 back to 0 in consecutive 1-hour interval. To do this: 1. 2. 3. The current time zone value starts flashing. Use the + key to set the time zone. The range runs from 0 to -12 and then runs from 12 back to 0 in consecutive 1-hour interval. @@(default language: German) 24 1. @@@@The clock will then work as a normal Quartz clock. 1. The hour digits will start flashing on LCD1.

2. @@3. Now the minute digits will start flashing. 4. Set the desired minutes by pressing and releasing the + key .

If the + key is held, the units will increase by 5. 5. @@The 4 digits of the year will be visible on LCD2 . 1. 2. The year digits will start flashing on LCD2. Select the desired year by use of the + key. @@@@Set the desired month by use of the + key. @@Set the desired day by use of the + key. @@@@@@@@Set the desired weekday by use of the + key.

@@@@@@@@Hold the ALM key for 2 seconds. The hour digits start flashing. 2. Press the + key to set the hour. 3. Press and release the ALM key to set the minutes. The minute digits start flashing. 4. Press and release the + key to set the minutes. If the + key is held, the unit will increase by 5.

5. @@@@@@If the icons do not change, then it means either the air pressure has not changed or the change has been too slow for thgnal frequency (868MHz) may prevent correct signal transmission and reception. @@@@@@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). CHANGING THE DISPLAY UNIT (DATE, ALARM TIME AND SECONDS) There are three possibe display units to view the date, alarm time and seconds.

(Default unit : Date) To change the display unit: 1. Press the + key. The display should now show the alarm time. 2. Press the + key a second time and the display will now show the seconds.

3. Press the + key third time and the display will now show the date again. POSITIONING Before permanently mounting ensure that the weather wall clock is able to receive DCF signals from the desired location. Also, extreme and sudden changes in temperature will decrease the accuracy of the weather wall clock. To achieve a true temperature reading, avoid mounting where direct sunlight can reach the outdoor temperature transmitter. It is recommended to mount the outdoor temperature transmitter on a North-facing wall or in any well shaded area. The maximum transmitting range is 100 meters obstacles such as walls, concrete, and large metal objects can reduce the range. Place both units in their desired location, and wait approximately 10 minutes before permanently mounting to ensure that there is proper reception. The outdoor temperature 30 transmitter is not waterproof and should not be placed anywhere it will become submerged in water or be directly in the rain. POSITIONING THE WEATHER WALL CLOCK: There are two possible ways to mount the weather wall clock: · use of the foldout table stand, or · wall mounting FOLDOUT TABLE STAND The foldout table stand leg is located on the backside.

Pull the stand out from the bottom center edge of the Weather wall clock, below the battery compartment. Once the foldout table stand is extended, place the weather wall clock in an appropriate location. WALL MOUNTING 1) Using a straightedge, horizontally space at 70 mm three screw positions on a wall. 2) Install three mounting screws (not included) into a wall within transmission range--leaving approximately 5mm extended from the wall. 3) Place the Weather wall clock onto the screws, using the hanging holes on the backside. Gently pull the weather wall clock down to lock the screws into place. Note: Always ensure that the Weather wall clock locks onto the screws before releasing. 31 POSITIONING THE OUTDOOR TEMPERATURE TRANSMITTER The remote temperature transmitter can be placed onto any flat surface or wall mounted using the bracket which doubles as a stand or wall mount base. To wall mount: 1. Secure the bracket onto a desired wall using the screws and plastic anchors.

2. Clip the remote temperature transmitter onto the bracket. Note: The mounting surface can affect the transmission range. If, for instance, the unit is attached to a piece of metal, it may then either reduce or increase the transmitting range. For this reason, we recommend not to place the unit on any metal surfaces or in any position where a large metal or highly polished surface is in the immediate vicinity (garage doors, double glazing, etc.

). Before securing in place, please ensure that the Temperature Station can receive the 868MHz signal from the temperature transmitter at the positions that you wish to place them. CARE AND MAINTENANCE: · · · · Avoid placing the units in areas prone to vibration and shock as these may cause damage. Avoid areas where the units can be exposed to sudden changes in temperature, i.e.

direct sunlight, extreme cold and wet/moist conditions as these will lead to rapid changes which reduces the accuracy of readings. When cleaning the LCD and casing, use a soft damp cloth only. Do not use solvents or scouring agents. Do not submerge the units into water. 32 · · Immediately remove all low powered batteries to avoid leakage and damage. Replace only with new batteries of the recommended size. Do not make any repairs to the units. Please return it to the original point of purchase. Opening and tampering with the units may invalidate the warranty. SPECIFICATIONS: Temperature measuring range Indoor : -9,5ºC to + 38ºC with 0,5ºC resolution 14,0ºF to + 99,5ºF with 0,5ºF resolution ("OF" displayed if outside this range) -39,5ºC to +60,0ºC with 0,5ºC resolution -39,0° to +140,0° with 0,5° resolution F F F ("OF" displayed if outside this range) Outdoor : Temperature checking interval Indoor Outdoor Transmission distance every 20 seconds every 4 seconds maximum 100 meters in open field, depending upon surrounding structures, mounting location and possible interfering sources Power source (Alkaline batteries recommended) Weather wall clock : 2 x AA, IEC LR6, 1.

5V batteries Transmitter : 2 x AA, IEC LR6, 1.5V batteries Battery life : about 24 months Dimensions (L x W x H) Weather wall clock : 222 x 31.4 x 239 mm Transmitter : 38,2 x 21,2 x 128,3 mm : : : BATTERIES CHANGE: For best performance, batteries should be replaced at least once a year to maintain the best running accuracy.

Ensure that the batteries used are new and the correct size. Please help in the preservation of the environment and return used batteries to an authorized depot. 33 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. @@@@@@@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.

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