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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.

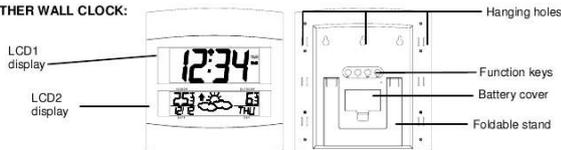
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WEATHER WALL CLOCK

Instruction Manual

FEATURES:

WEATHER WALL CLOCK:



- DCF-77 Radio controlled time with manual setting option
- 12/24 hour time display
- Time display: hour, minute, second
- Alarm setting with snooze function
- Calendar display
- Weekday display (4 languages to choose from: German, English, French, and Spanish)
- Weather forecasting with 3 weather icons
- Weather tendency indicator
- Time zone setting
- °C or °F temperature display selectable
- Indoor temperature display
- Outdoor temperature display via 433MHz transmission
- Wall mount or freestanding

Outdoor Temperature Transmitter:



- Remote transmission of outdoor temperature to weather station by 433 MHz signals
- LCD showing outdoor temperature
- Rain proof casing
- Wall mounting case

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.

TO INSTALL AND REPLACE BATTERIES IN THE TEMPERATURE TRANSMITTER

The transmitter uses 2 x AAA, IEC LR3, 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 rechargeable batteries.

SETTING UP:

1. Insert the 2 x AAA, IEC LR3, 1.5V batteries into the transmitter (See "To install and replace batteries in the Temperature Transmitter" above).
2. Within 3 minutes, insert 2 x AA, IEC LR6, 1.5V batteries into the Weather wall clock as indicated above (see "To install and replace batteries in the Weather wall clock" above).
3. Once the batteries are in place, all segments of the LCD will light up briefly and "03" will appear on LCD 1. Then the indoor and outdoor temperature - -°C, the time as -:-, the date as 1/1, and weekday will be displayed.
4. Do not press any buttons for 10 minutes
5. The Weather wall clock will start receiving data from the transmitter. 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.
6. 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 433MHz 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 "433MHz Reception").



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Manual abstract:

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.** Function keys Battery cover Foldable stand **TO INSTALL AND REPLACE BATTERIES IN THE TEMPERATURE TRANSMITTER** The transmitter uses 2 x AAA, IEC LR3, 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 rechargeable batteries. DCF-77 Radio controlled time with manual setting option 12/24 hour time display Time display: hour, minute, second Alarm setting with snooze function Calendar display Weekday display (4 languages to choose from: German, English, French, and Spanish) Weather forecasting with 3 weather icons Weather tendency indicator Time zone setting °C or °F temperature display selectable Indoor temperature display Outdoor temperature display via 433MHz transmission Wall mount or freestanding · Remote transmission of outdoor temperature to weather station by 433 MHz signals · LCD showing outdoor temperature · Rain proof casing · Wall mounting case **SETTING UP: 1. 2.**

3. Insert the 2 x AAA, IEC LR3, 1.5V batteries into the transmitter (See "To install and replace batteries in the Temperature Transmitter" above). Within 3 minutes, insert 2 x AA, IEC LR6, 1.5V batteries into the Weather wall clock as indicated above (see "To install and replace batteries in the Weather wall clock" above). @@@@ 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 433MHz 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 "433MHz Reception").

4. 5. Outdoor Temperature Transmitter: 6. Battery Cover Radio reception icon 7. 8. If after 10 minutes the DCF time has not been received, use the SET key to manually enter 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 every full hour each day. When this is successful, 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"). The indoor temperature will be measured after the DCF reception.

DCF time Alarm icon Indoor temperature Date Outdoor temperature display Weekday 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. **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 · 12/24 hour time display setting · °C or °F setting **FUNCTION KEYS** The weather wall clock has four easy to use keys: SET key : To enter into the set mode for the following functions: time zone, language, hour, minute, year, month, day, weekday, 12/24 hour, °C or °F temperature display + key : To toggle between the second, indoor/outdoor temperature or weekday display To change the values in manual set mode ALM key : To enter into the alarm set mode To set the alarm ON/OFF SNZ key : To activate the snooze function during alarm To display the alarm time in normal mode display To exit any setting modes **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 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. 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. · 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.

MANUAL TIME SETTING In case the weather wall clock is not able to detect the DCF-signal (disturbances, transmitting distance, etc.



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), the time can be manually set. The clock will then work as a normal Quartz clock. 1. The hour digits will start flashing on LCD1. 2. Set the desired hours by pressing and releasing the + key followed by pressing the SET key. 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. Press and release the SET key to move to the "Year Setting". YEAR SETTING The year can be selected sequentially from 2000 to 2049 and will then start over again (default setting 2001). Only the last 2 digits of the year will be visible on LCD2. 1. The year digits will start flashing on LCD2. Select the desired year by use of the + key. 2. Press and release the SET key to switch to the "Month Setting". MONTH SETTING 1. 2. 1. The month digits on LCD2 will start flashing (Default setting 1). Set the desired month by use of the + key. Press and release the SET key to move to the mode "Date Setting". @@Set the desired day by use of the + key. @@@@Set the desired weekday by use of the + key. @@To do this: DAY SETTING 1.

2. 3. The current time zone value starts flashing. Use the + key to set the time zone. @@@@@@1. @@2. @@2. @@Select the desired time display mode by use of the + key. @@2. @@@@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.

@@@@@@For example, if the current weather is cloudy and the rainy icon is displayed, it does not mean that the product is faulty because it is not raining. It simply means that the air pressure has dropped and the weather is expected to get worse but not necessarily rain. 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 range of the outdoor temperature transmitter may be affected by the temperature. At cold temperatures the transmitting distance may be decreased. Please bear this in mind when positioning the transmitter. Also the batteries may be reduced in power during periods of extreme cold temperatures. 433MHz RECEPTION CHECK FOR OUTDOOR TEMPERATURE TRANSMITTER The weather wall clock will receive the temperature data within 4 minutes. If the temperature data is not being received 4 minutes after setting up (the display shows "- . °C"), then please check the following points: 1.

The distance of the weather wall clock or outdoor temperature transmitter should be at least 2 meters away from any interfering sources such as computer monitors or TV sets. 2. Avoid placing the receiver 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 (433MHz) may prevent correct signal transmission and reception. 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 Northfacing 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 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.

The Outdoor Transmitter is supplied with a holder that may be attached to a wall with the three screws supplied. Before securing the transmitter, ensure that the 433MHz signal is properly received. To attach to the wall, please follow the steps below: 1. Mark the wall using a pen through the holes in the holder to obtain the exact drilling position. 2.

Drill holes in the wall at the points marked. 3. Screw holder onto wall. There is also double sided tape included with the wall mount. On smooth surfaces this can be used instead of drilling holes. The mounting surface can, however, affect the transmission range. If for example 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 placing the unit on any metal surfaces or in any position where a large metal or highly polished surface is in the immediate proximity (garage doors, double glazing, etc.). Before securing in place, please ensure that the Weather station can receive the 433MHz signal from the Temperature transmitter at the positions that you wish to situate them.

The Outdoor Transmitter simply clicks in or out of the holder. When inserting or removing the Outdoor Transmitter from the wall holder please hold both units securely. 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. @@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. @@@@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. POSITIONING THE OUTDOOR TEMPERATURE

TRANSMITTER SPECIFICATIONS: Temperature measuring range Indoor : Outdoor : 0°C to +50°C with 0.

1°C resolution +32°F to +122°F with 0.2°F resolution ("OF.L" displayed if outside this range) -29.9°C to +69.9°C with 0.

1°C resolution -21.8°F to +157.8°F with 0.2°F resolution ("OF.L" displayed if outside this range) 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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: every 10 seconds : every 5 minutes : 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 AAA, IEC LR3, 1.5V batteries Battery life : about 12 months Dimensions (L x W x H) Weather wall clock : 310 x 30 x 204mm Transmitter : 56 x 24 x 80 mm Temperature checking interval Indoor Outdoor Transmission distance 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 only designed for use in the home or office. 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. 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. .



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