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You can read the recommendations in the user guide, the technical guide or the installation guide for LA CROSSE TECHNOLOGY WS7394. You'll find the answers to all your questions on the LA CROSSE TECHNOLOGY WS7394 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 WS7394
User guide LA CROSSE TECHNOLOGY WS7394
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WEATHER STATION

Instruction Manual



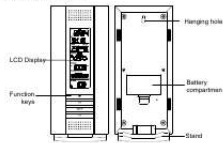
Instant Transmission+ is the up and coming state-of-the-art low wireless transmission technology, exclusively designed and developed by LA CROSSE TECHNOLOGY. IT+ offers you an immediate update of all your outdoor data measured from the transmitters: follow your climatic variations in real time!

INTRODUCTION:

Congratulations on purchasing this advanced weather station as an example of innovative design and quality piece of engineering. Providing radio controlled time, date, calendar, indoor and outdoor temperature, indoor relative humidity, and air pressure history information. This unit will never keep you guessing on current and future weather conditions. Operation of this product is simple and straightforward. By reading this operating manual, the user will receive a better understanding of the Weather Station together with the optimum benefit of all its features.

FEATURES:

The Weather Station



- DCF Radio controlled time with manual setting option
- Time reception ON/OFF (user selectable)
- 12/24 hour time display
- Time zone option ±12 hours
- Weekday and day calendar display (year and month only in setting mode)
- Weather forecasting with weather tendency indicator
- Indoor comfort indicator
- Temperature display in °C/F
- Indoor and outdoor temperature display with MIN/MAX records and time of reception
- Indoor humidity display as RH% with MIN/MAX records
- Relative air pressure hPa/inHg with adjustable reference value

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Manual abstract:

"IT +" offers you an immediate update of all your outdoor data measured from the transmitters: follow your climatic variations in real-time!

INTRODUCTION: Congratulations on purchasing this advanced weather station as an example of innovative design and quality piece of engineering. Providing radio controlled time, date, calendar, indoor and outdoor temperature, indoor relative humidity, and air pressure history information. This unit will never keep you guessing on current and future weather conditions. Operation of this product is simple and straightforward. By reading this operating manual, the user will receive a better understanding of the Weather Station together with the optimum benefit of all its features. **FEATURES:** The Weather Station Hanging hole LCD Display Function keys Battery compartment Stand DCF Radio controlled time with manual setting option Time reception ON/OFF (user selectable) 12/24 hour time display Time zone option ± 12 hours Weekday and day calendar display (year and month only in setting mode) Weather forecasting with weather tendency indicator Indoor comfort indicator Temperature display in $^{\circ}\text{C}/^{\circ}\text{F}$ Indoor and outdoor temperature display with MIN/MAX records and time of reception Indoor humidity display as RH% with MIN/MAX records Relative air pressure hPa/ inHg with adjustable reference value 17 Weather icon sensitivity setting Relative air pressure history for the past 12 hours (electronic barometer with barometric pressure trend) Wireless transmission at 868 MHz Signal reception intervals at 4 seconds LCD contrast selectable Low battery indicator Table standing or wall mounting The Outdoor Temperature Transmitter Remote transmission of outdoor temperature to weather station by 868 MHz signal LCD showing current temperature Rain proof casing Wall mounting case **SETTING UP:** 1. 2. First, insert the batteries to the transmitter (see "How to install and replace batteries in the Temperature transmitter" below). Within 2 minutes of powering up the transmitter, insert the batteries to the Weather station (see "How to install and replace batteries in the Weather station" below). Once the batteries are in place, all segments of the LCD will light up briefly. Then the indoor temperature and humidity, the time as 0:00 the date as SA.1., the weather icons (sun and clouds) will be displayed. If the indoor temperature and humidity are not displayed after 15 seconds, remove the batteries and wait for at least 1 minute before reinserting them. Once the indoor data is displayed proceed to next step.

@@@@@@@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. **18 HOW TO INSTALL AND REPLACE BATTERIES IN THE TEMPERATURE TRANSMITTER** The Temperature 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). 3. Replace the battery 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. In the event of changing batteries of the units, ensure 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. **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 authorized depot. **RESETTING** The Weather Station and the Temperature transmitter need to be reset when one of the following conditions occur: · Unsuccessful 868MHz signal reception. · Malfunction on the units. · Batteries replacement. For resetting, remove all batteries from the units.

Wait at least for 1 minute before powering up the Weather Station again. Proceed from step 1 in "Setting Up". **DCF RADIO CONTROLLED TIME** The time base for the radio controlled time is a Cesium Atomic 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 reception test period is completed, the DCF tower icon in the clock display will start flashing in the upper center. 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. DCF reception occurs twice daily at 02:00 and 03:00 am. If the reception is not successful at 03:00 am, then the next reception takes place the next 19 hour and so on until 06:00am, or until the reception is successful. If the reception is not successful at 06:00 am, then the next attempt will take place the next day at 02:00 am. 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 meters. · 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.

FUNCTION KEYS: Weather Station: The Weather Station has 4 easy to use function keys: SET key IN key OUT/+ key CH key SET key · Press and hold the key to enter manual setting modes: LCD contrast, time zone, time reception ON/OFF, 12/24 hour display, manual time setting, calendar, temperature $^{\circ}\text{C}/^{\circ}\text{F}$, pressure hPa / inHg, relative pressure value, and weather icon sensitivity setting · Reset all MIN/MAX records IN key · Press to toggle between MAX/MIN and current indoor temperature/humidity data · Decrease relative pressure value (within manual set mode) OUT/+ key · Press shortly to toggle between MAX/MIN and current outdoor temperature data · Increase, change, toggle all values in manual set mode CH key · Exit the manual set mode 20 **LCD SCREEN:** The LCD screen is split into 4 sections displaying the information for time/calendar, indoor temperature and humidity, weather forecast, air pressure and outdoor temperature.



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Neighbors 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 around 100 meters from the Temperature 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" above). **POSITIONING THE WEATHER STATION:** The Weather Station has been designed to be hung onto wall or free standing. To wall mount Choose a sheltered place. Avoid direct rain and sunshine. Before wall mounting, please check that the outdoor temperature and humidity values can be received from the desired locations. 1. Fix a screw (not supplied) into the desired wall, leaving the head extended out the by about 5mm. 2. Remove the stand from the Weather Station by pulling it away from the base and hang the station onto the screw. Remember to ensure that it locks into place before releasing.

Free standing With the detachable stand, the weather station can be placed onto any flat surface. 28 **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/humidity 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 and humidity readings are receivable. In event that the signal is not received, relocate the transmitter(s) or move them slightly as this may help the signal reception. 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 868MHz signal from the Temperature transmitter at the positions that you wish to situate them. The Temperature Transmitter simply clicks in or out of the holder. When inserting or removing the Temperature Transmitter from the wall holder please hold both units securely. **CARE AND MAINTENANCE:** · Extreme temperatures, vibration and shock should be avoided as these may cause damage to the units 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 units 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 units. Return it to their original point of purchase for repair by a qualified engineer. Opening and tampering with the units 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. 29

SPECIFICATIONS: Temperature measuring range: Indoor : -9.9°C to +59.

9°C with 0.1°C resolution +14.2°F to +139.8°F with 0.2°F resolution ("OF.

L" displayed if outside this range) Outdoor : -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) Indoor humidity range : 1% to 99% with 1% resolution (Display "- ." if temperature is OL.F; display "- ." if < 1% and "99%" if > 99%) Indoor temperature checking intervals : Every 15 seconds Indoor humidity checking intervals : Every 20 seconds Air pressure checking interval : Every 15 seconds Outdoor temperature checking interval : Every 4 seconds (or every 15 minutes if data are lost and display "--.") Transmission range : up to 100 meters (open space) Power consumption: (alkaline batteries recommended) Weather Station : 2 x AA, IEC LR6, 1.5V Transmitter : 2 x AA, IEC LR6, 1.5V Battery life : up to 24 months Dimensions (L x W x H): Weather Station : 99 x 32.3 x 220mm (without stand) Transmitter : 38.2 x 21.2 x 128.

3 mm (without mounting bracket) **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.

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. 30 .



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