



APP DOWNLOAD

Download the MOBILE-ALERTS app from "Apple App Store" or "Google Play".

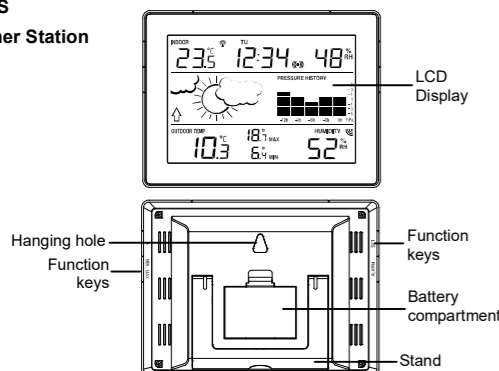
CONNECT THE GATEWAY

Connect gateway to power supply using the supplied AC adapter. Connect included LAN cable with gateway and your router. After about 10 seconds, the gateway is in operation. The LED will turn static green. If no DHCP server is available in your network, you can configure the gateway in the app under the point "Settings" manually.

Important: The Gateway should always be put into operation before starting the sensors!

FEATURES

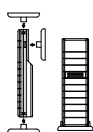
The Weather Station



- DCF Radio controlled time with manual setting option
- Time reception ON/OFF setting
- Weekday, date and month display (year only in setting mode)
- Time zone option (-2h to +5h)
- Daylight saving time (DST) setting
- Alarm setting
- Temperature display in degree Celsius (°C)
- Indoor temperature display with MIN/MAX recordings
- Outdoor temperature display with MIN/MAX recordings with time and date received
- All MIN/MAX recordings can be reset
- Indoor and outdoor humidity display in RH%
- Weather forecast with weather tendency indicator
- Relative air pressure history for the past 12 hours
- LCD contrast setting
- Low battery indicator
- Table standing or wall mounting

Thermo-Hygro Transmitter

- Remote transmission of outdoor temperature and humidity to weather station by 868MHz
- Wall mounting case
- Mounting at a sheltered place. Avoid direct rain and sunshine



SETTING UP

Note: This weather station receives only one outdoor transmitter.

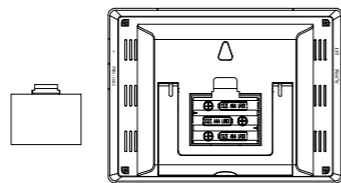
1. First, insert the batteries in the transmitter (see "How to install and replace batteries in the thermo-hygro transmitter" above).
2. Within 30 seconds of powering up the transmitter, insert batteries in the weather station (see "How to install and replace batteries in the weather station" above). Once the batteries are in place, all segments of the LCD will light up briefly and a short signal tone will sound. Then 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. After the batteries are inserted, the weather station will start receiving data signal from the transmitter. The outdoor temperature and humidity data should then be displayed on the weather station. If this does not happen after 2 minutes, the batteries will need to be removed from both units and reset from step 1.
4. In order to ensure successful 868 MHz transmission, the distance between the weather station and the transmitter should be within 100 meters (see notes on "Positioning" and "868 MHz Reception").
5. Once the outdoor data reception test period is completed, 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.

TO INSTALL AND REPLACE BATTERIES IN THE WEATHER STATION

The weather station uses 3 x AAA, IEC LR3, 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).

3. Replace compartment cover.



TO INSTALL AND REPLACE BATTERIES IN THE THERMO-HYGRO TRANSMITTER

- The outdoor thermo-hygro transmitter uses 2 x AA, IEC LR6, 1.5V batteries. To install and replace the batteries, please follow the steps below:
1. Remove the battery cover by pushing the battery cover upwards with your thumb.
 2. Insert the batteries, observing the correct polarity (see battery compartment marking).
 3. Replace the battery cover on the unit.

ADD DEVICE TO MOBILE-ALERTS SYSTEM

Note:

Open the app, dashboard is displayed. Tap "Add new sensor" and scan the QR code on the back of the MA 10006. Then set a name for the sensor. To set a name, select the transmitter and then tap on the left area of the pencil icon in the upper right. In the event of changing batteries in any of the units, all units need to be reset by following

Note:

Only the data for indoor, outdoor temperature and indoor, outdoor humidity are transmitted to Mobile-Alerts.

the setting up procedures. This is due to a random security code assigned by the transmitter at start-up. This code must be received and stored by the weather station in the first 3 minutes of power being supplied to the transmitter.

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 1,500 km radius of Frankfurt.

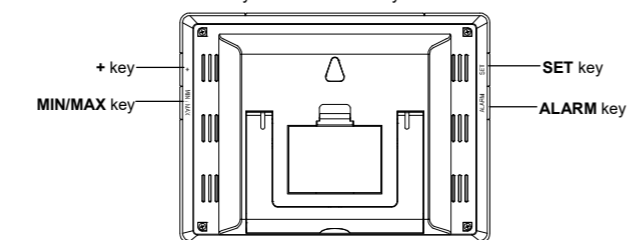
DCF reception is done twice daily at 02:00 and 03:00 am. If the reception is not successful at 03:00 am, then the next reception takes place the next hour and so on until 06:00am, or until the reception is successful. If the reception is not successful at 06:00 am, then the next attempt will take place 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

- Press and hold for 2 seconds to enter manual setting modes: LCD contrast, time zone, time reception ON/OFF, DST ON/OFF, manual time setting and calendar
- To stop the alarm sound

+ key

- To increase/change values in setting modes
- Toggle between time / date / humidity / seconds display
- To stop the alarm sound

MIN/MAX key

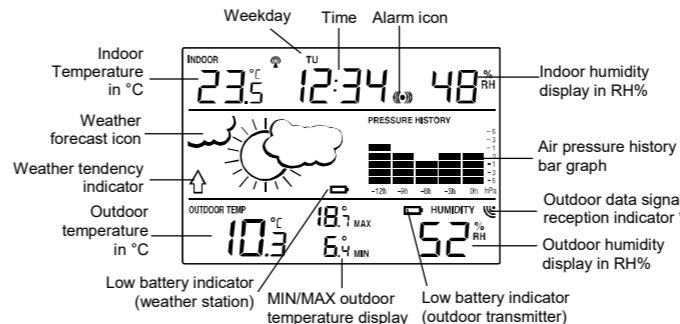
- To toggle between the indoor and outdoor MIN/MAX temperature
- To decrease/change values in setting modes
- Press and hold for 3 seconds to reset ALL indoor/outdoor minimum/maximum temperature recordings to current readings
- To stop the alarm sound

ALARM key

- To activate/deactivate the alarm and display alarm time
- Press and hold for 2 seconds to enter the alarm setting mode
- To stop the alarm sound
- To exit the manual setting mode

LCD SCREEN

The LCD screen is split into 3 sections displaying the information for time/calendar, indoor data, weather forecast and air pressure history, and outdoor data.



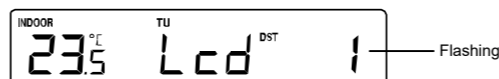
* When the signal is successfully received by the weather station, the outdoor transmission icon will be switched on. (If not successful, the icon will not be shown on LCD). The user can then easily see whether the last reception was successful (icon on) or not (icon off).

MANUAL SETTINGS

The following settings can be changed when pressing and holding the SET key:

- LCD contrast setting
- Time zone setting
- Time reception ON/OFF setting
- Daylight saving time (DST) ON/OFF setting
- Manual time setting
- Calendar setting

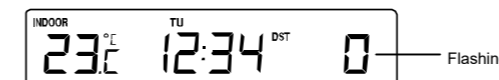
LCD CONTRAST SETTING



The LCD contrast can be set within 8 levels, from LCD 0 to LCD 7 (Default is LCD 4):

1. The LCD contrast level starts flashing.
2. Use the + or MIN/MAX key to select the level of contrast desired.
3. Confirm with the SET key and enter the Time Zone Setting.

TIME ZONE SETTING:

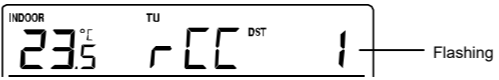


The time zone default of the weather station is "0". To set a different time zone:

1. The current time zone value starts flashing.
2. Use the + or MIN/MAX key to set the time zone. The range runs from -2h to +5h hours in 1-hour intervals.
3. Confirm with the SET key and enter the Time Reception ON/OFF Setting.

TIME RECEPTION ON/OFF SETTING

In area where reception of the DCF-77 time signal 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 "1" = ON).

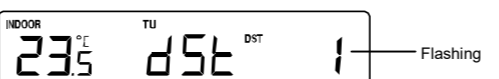


1. The digit "1" will start flashing on the LCD.
2. Use the + or MIN/MAX key to turn OFF ("0" = OFF) the time reception function.
3. Confirm with the SET key and enter the Daylight Saving Time (DST) ON/OFF Setting.

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 "tower" and the "DCF" icons will not be displayed on the LCD.

DAYLIGHT SAVING TIME (DST) ON/OFF SETTING



The daylight saving time (DST) function can be set ON/OFF. Default setting is "1" = ON:

1. The digit "1" will start flashing on the LCD.
2. Use the + or MIN/MAX key to turn OFF ("0" = OFF) the daylight saving function.
3. Confirm with the SET key and enter the Manual Time setting.

Important:

- This function is only significant if the time reception setting is turned OFF "0".
- Daylight saving time setting "1" (ON): the clock calculates DST automatically in normal quartz mode. DST begins on the last Sunday of March and ends on the last Sunday of October.
- Daylight saving time setting "0" (OFF): DST feature is OFF and the clock will not change time automatically.

If the time reception setting is turned ON "1", please set the daylight saving time "1" (ON): the time change will be updated by the DCF-77 signal (as long as a proper reception is possible).

In case of daylight saving time setting "0" (OFF): the time will be transmitted by the DCF-77 signal, but the clock calculates automatically a "no-DST time".

MANUAL TIME SETTING:

In case the weather station cannot detect the DCF-signal (for example due to disturbances, transmitting distance, etc.), the time can be manually set. The clock will then work as a normal quartz clock.

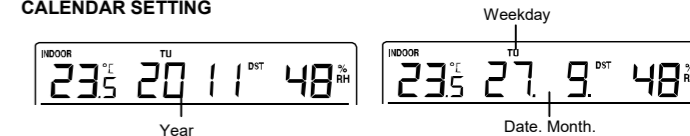


1. The hour digit will start flashing.
2. Use the + or MIN/MAX key to set the hour. Keep holding the key allows the digit to advance faster.
3. Press again the SET key to set the minutes. The minute digits start flashing.
4. Use the + or MIN/MAX key to set the minutes. Keep holding the key allows the digit to advance faster
5. Confirm with the SET key and enter the Calendar setting.

Note:

- The unit will still try and receive the signal despite it being manually set. When it does receive the signal, it will change the manually set time into the received time. During reception attempts the DCF tower icon will flash. If reception has been unsuccessful, then the DCF tower icon will not appear but reception will still be attempted the following day.
- The time reception "tower" and the "DCF" icons will not be displayed on the LCD after manual time setting.

CALENDAR SETTING



1. The year digits will start flashing. The range runs from 2011 to 2025 (default is 2011).
2. Use the + or MIN/MAX key to set the year. Keep holding the key allows the value to advance faster.
3. Press the SET key to confirm and enter the month setting mode.
4. The month digit will be flashing. Use the + or MIN/MAX key to set the month. Keep holding the key allows the value to advance faster.
5. Press the SET key to enter date setting.
6. The date digit will be flashing. Use the + or MIN/MAX key to set the date. Keep holding the key allows the value to advance faster.
7. Confirm with the SET key and exit the manual setting.

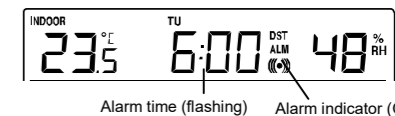
Note:

The weekday is automatically displayed above the time in short form (from Monday to Sunday): MO / TU / WE / TH / FR / SA / SU.

TO EXIT THE MANUAL SETTING MODE

To exit the manual setting mode anytime during the manual setting, press the ALARM key. The mode will return to normal time display.

ALARM SETTING



To set the alarm:

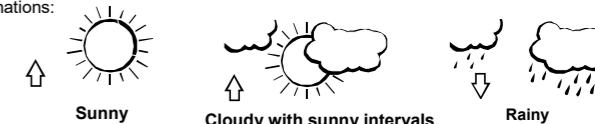
1. Press and hold ALARM key for 3 seconds until the alarm time shown.
2. The hour digit will be flashing. Use the + or MIN/MAX key to adjust the hour. Keep holding the key allows the value to advance faster.
3. Use the ALARM key again, and the minute digits will be flashing. Press + or MIN/MAX key to set the minute. Keep holding the key allows the value to advance faster.
4. Press the ALARM key to confirm the setting.

Note:

To activate/deactivate the alarm function, press the ALARM key once. The display of the alarm icon represents that the alarm is "ON". The duration of alarm sounding is 2 minutes. Press any key will stop the alarm sound.

WEATHER FORECASTING ICONS:

The weather icons in the second section of LCD can be displayed in any of the following combinations:



For every sudden or significant change in the air pressure, the weather icons will update accordingly to represent the change in weather. If the icons do not change, then it means either the air pressure has not changed or the change has been too slow for the weather station to register. However, if the icon displayed is a sun or raining cloud, there will be no change of icon if the weather gets any better (with sunny icon) or worse (with rainy icon) since the icons are already at their extremes.

The icons displayed forecasts the weather in terms of getting better or worse and not necessarily sunny or rainy as each icon indicates. 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 rainy.

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 areas that experience sudden changes in weather (for example from sunny to rain), the weather 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), discard the weather forecast for the next 12-24 hours. By doing this, the weather station will not mistake the new location as being a possible change in air-pressure when really it is due to the slight change of altitude.

The weather forecast and tendency are not transmitted to MOBILE ALERTS! They can only be read on the display.

WEATHER TENDENCY INDICATOR

The weather tendency indicators (located on the left side of the weather icons) are working together with the weather icons. When the indicator points upwards, it means that the air-pressure is increasing and the weather is expected to improve, but when indicator points downwards, the air-pressure is dropping and the weather is expected to become worse.

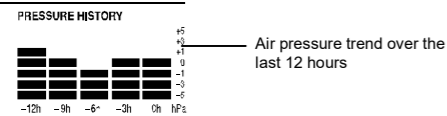
Taking this into account, one can see how the weather has changed and is expected to change. For example, if the indicator is pointing downwards together with cloud and sun icons, then the last noticeable change in the weather was when it was sunny (the sun icon only). Therefore, the next change in the weather will be cloud with rain icons since the indicator is pointing downwards.

Note:

Once the weather tendency indicator has registered a change in air pressure, it will remain permanently visualized on the LCD.

AIR PRESSURE HISTORY (ELECTRONIC BAROMETER WITH BAROMETRIC PRESSURE TREND)

The right side of the second section of the LCD shows the air pressure history bar graph.



The bar graph indicates the air pressure history trend over the last 12 hours in 7 intervals: 0h, -3h, -6h, -9h and -12h. The "0h" represents the current full hour air pressure recording. The columns represent the "hPa" (0, ±1, ±3, ±5) at specific time. The "0" in the middle of this scale is equal to the current pressure and each change (±1, ±3, ±5) represents how high or low in "hPa" the past pressure was compared to the current pressure.

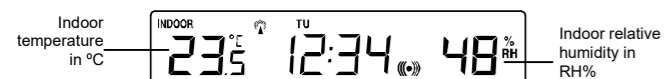
If the bars are rising it means that the weather is getting better due to the increase of air pressure. If the bars go down, it means the air pressure has dropped and the weather is expected to get worse from the present time "0h".

Note:

- For accurate barometric pressure trends, the weather station should operate at the same altitude for recordings (i.e. it should not be moved from the ground to the second floor of the house). When the unit is moved to a new location, discard readings for the next 12 hours.
- The level of the pressure bar will be affected by the temperature change and it is for reference only.

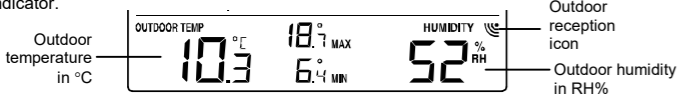
INDOOR TEMPERATURE/HUMIDITY DATA

The indoor temperature and humidity data are automatically updated and displayed on the first section of the LCD.



OUTDOOR TEMPERATURE/HUMIDITY DATA

The last LCD section shows the outdoor temperature and humidity, and the reception indicator.

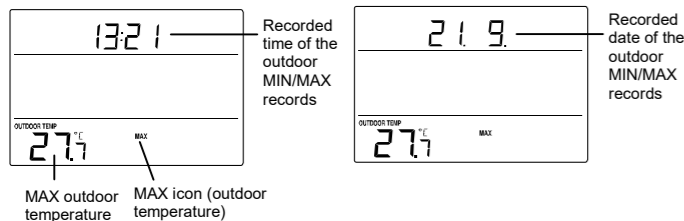


TOGGING AND RESETTING THE TEMPERATURE MIN/MAX DATA

TO VIEW THE MIN/MAX TEMPERATURE DATA

Press the **MIN/MAX** key several times to view the MIN/MAX indoor and outdoor temperature sequentially.

Note: the outdoor MIN/MAX temperature records will also display the recorded time and date.



TO RESET TEMPERATURE MIN/MAX DATA

Press and hold **MIN/MAX** key for 3 seconds to reset all the indoor and outdoor temperature to current temperatures.

ABOUT THE THERMO-HYGRO TRANSMITTER

The range of the thermo-hygro transmitter may be affected by the temperature. At cold temperatures the transmitting distance may be decreased. Please bear this in mind when positioning the transmitters. Also the batteries may be reduced in power for the thermo-hygro transmitter.

CHECKING FOR 868MHZ RECEPTION

If the outdoor temperature and humidity data are not being received within three minutes after setting up (or outdoor display always shows "--" in the outdoor section of the weather station during normal operation), please check the following points:

- The distance of the weather station or transmitters should be at least 2 meters away from any interfering sources such as computer monitors or TV sets.
- Avoid placing the transmitters onto or in the immediate proximity of metal window frames.
- Using other electrical products such as headphones or speakers operating on the 868MHz-signal frequency may prevent correct signal transmission or reception. 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 thermo-hygro 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 provides the option of table standing or wall mounting the unit. Before wall mounting, please check that the outdoor data can be received from the desired locations.

To wall mount:

- Fix a screw (not supplied) into the desired wall, leaving the head extended out by about 5mm.
- Place the weather station onto the screw, using the hanging hole on the backside. Gently pull the weather station down to lock the screw into place.

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 station, below the battery compartment. Once the foldout table stand is extended, place the weather station in an appropriate location.

POSITIONING THE THERMO-HYGRO TRANSMITTER

Mounting at a sheltered place. Avoid direct rain and sunshine.

The thermo-hygro transmitter can be placed onto any flat surface or wall mount using the bracket which doubles as a stand or wall mount base.

To wall mount:

- Secure the bracket onto a desired wall using the screws and plastic anchors.
- Clip the transmitter onto the bracket.

Note:

Before permanently fixing the thermo-hygro to the wall base, pace 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 thermo-hygro transmitter or the weather station 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.

TROUBLESHOOTING

When no sensor readings are displayed in the app, check if the green LED on the gateway is permanently lit. If not, please check if:

- The gateway is properly connected to the power plug, the router and is turned on.
- Restart the station by removing the batteries for a minute and reinserting, to restart the device.
- Your phone is connected to the internet.
- The signal is weakened by thick walls and ceilings. Put the device in operation near the gateway and then locate a suitable location.

More information and detailed instructions can be found in the app at "Info" or at www.mobile-alerts.fr

The declaration of Conformity can be found at: www.mobile-alerts.fr

SPECIFICATIONS

Recommended operating temperature range : 5°C to 40°C

Temperature measuring range:

Indoor : -9.9°C to +59.9°C with 0.1°C resolution
("OF.L" displayed if outside this range)
Outdoor : -39.9°C to +59.9°C with 0.1°C resolution
("OF.L" displayed if outside this range, "--" displayed if no transmitter signal)

Humidity measuring range:

Indoor humidity range : 20% to 95% with 1% resolution
(Display "--" if temperature is OL.F; display "19%" if < 20% and "96%" if > 95%)
Outdoor humidity range : 1% to 99% with 1% resolution (Display "--" if outside temperature is OF.L; display 1% if < 1% and 99% if > 99%)

Data checking intervals:

Indoor temperature checking interval : every 2 minutes
Outdoor temperature reception : every 2 minutes
Transmission to Gateway : every 6 minutes
Transmission range : up to 100 meters (open space)

Maximum radio-frequency power : 7 dbm

Power consumption (alkaline batteries recommended):

Weather station : 3 x AAA, IEC, LR3 1.5V
Transmitter : 2 x AA, IEC, LR6, 1.5V

Dimensions (L x W x H):

Weather station : 170.8 x 28.3 x 127mm
Transmitter : 38.2 x 21.2 x 128.3 mm

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 and/or 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.

PRECAUTIONS

This main unit is intended to be used only indoors.

Do not subject the unit to excessive force or shock.

Do not expose the unit to extreme temperatures, direct sunlight, dust or humidity.

Do not immerse in water.

Avoid contact with any corrosive materials.

Do not dispose this unit in a fire as it may explode.

Do not open the inner back case or tamper with any components of this unit.

BATTERY SAFETY WARNINGS

Please read all instructions carefully before use.

Use only alkaline batteries, not rechargeable batteries.

Install batteries correctly by matching the polarities (+/-).

Always replace a complete set of batteries.

Never mix used and new batteries.

Remove exhausted batteries immediately.

Remove batteries when not in use.

Do not recharge and do not dispose of batteries in fire as the batteries may explode.

Ensure batteries are stored away from metal objects as contact may cause a short circuit.

Avoid exposing batteries to extreme temperature or humidity or direct sunlight.

Keep all batteries out of reach from children. They are a choking hazard.



Please participate in the preservation of the environment. Return used batteries to an authorised depot.



R&TTE Directive 2014/53/EU

Summary of the Declaration of Conformity: We hereby declare that this wireless transmission device does comply with the essential requirements of R&TTE Directive 2014/53/EU.

LA CROSSE TECHNOLOGY

6A Rue du commerce
67118 GEISPOLSHIM-FRANCE