WIRELESS 868 MHz WEATHER STATION
Instruction Manual

INTRODUCTION:
Congratulations on purchasing this Weather station with wireless 868MHz transmission. It not only displays the indoor temperature and humdity, but also the outdoor temperature and humidity. It is further acting as a DCF-77 radio controlled clock. With the totally 15 different weather forecast icons featured by "weather girl", users can easily observe the forecast weather condition and will no longer worry the sudden weather change. This innovative product is ideal for use in the home or office.
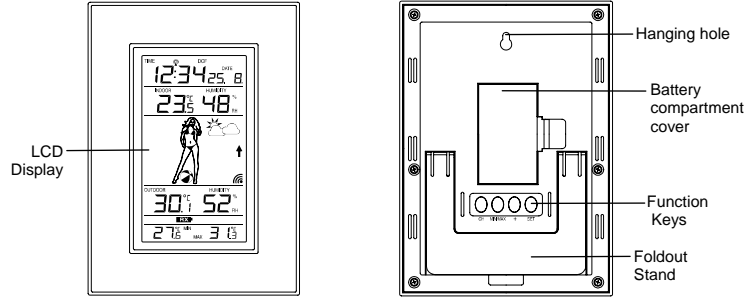
> **« Instant Transmission+» is the up and coming state-of-the-art new wireless transmission technology, exclusively designed and developed by LA CROSSE TECHNOLOGY.**
> **"IT +" offers you an immediate update of all your outdoor data measured from the transmitters: follow your climatic variations in real-time!**

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FEATURES:

The Weather station

LCD Display

Hanging hole

Battery compartment cover

Function Keys

Foldout Stand

- DCF Radio controlled time function or manual time setting option
- DCF time reception ON/OFF setting
- 12/24 hour display

- Hour and minute and second display
- Time zone option ±12 hours
- Wireless transmission at 868 MHz
- Signal reception intervals at 4-second
- Display indoor and outdoor temperature and humidity (% RH)
- Temperature display in degrees Celsius (°C) or Fahrenheit (°F) selectable
- Weather forecasting with 15 easy-to-read weather forecast signs featured by weather girl
- Weather forecasting icon sensitivity setting
- Indoor and Outdoor temperature and humidity display with MIN/MAX recording
- MIN/MAX records show date and time received of the temperature, and all MIN/MAX recordings can be reset
- Can take up to three outdoor transmitters
- Display Daily Outdoor Min and Max temperature
- LCD contrast setting
- Low battery indicator
- Table standing/ Wall mounting

The Outdoor Thermo-hygro Transmitter

- Remote transmission of outdoor temperature and humidity to Weather Station by 868 MHz
- Display alternately the outdoor temperature and humidity readings on LCD
- Shower proof casing
- Wall mounting case (Mounting at a sheltered place. Avoid direct rain and sunshine)

SETTING UP:

When one transmitter is used

1. First, insert the batteries into the Thermo-hygro transmitter. (see "**Install and replace batteries in the Thermo-hygro transmitter transmitter**").
2. Immediately after and within 25 seconds, insert the batteries into Weather station (see "**Install and replace batteries in the Weather station**"). Once the batteries are in place, all segments of the LCD will light up briefly. Following the time as 0:00 and the "weather

girl" icon will be displayed. If these are not displayed after 60 seconds, remove the batteries and wait for at least 10 seconds before reinserting them.

3.   After inserting the batteries, the Weather station will start receiving data from the transmitter. The outdoor temperature & humidity and the signal reception icon should then be displayed on the Weather station. If this does not happen after 3 minutes, the batteries will need to be removed from both units and reset from step 1.

4.   In order to ensure sufficient 868 MHz transmission however, this should under good conditions be a distance no more than 100 meters between the final position of the Weather Station and the transmitter (see notes on "**Mounting**" and "**868 MHz Reception**").

5.   Once the remote temperature has been received and displayed on the Weather station, the DCF time (radio controlled time) code reception is automatically started. This takes typically between 3-5 minutes in good conditions. If after 10 minutes, the DCF time has not been received, press the SET key to manually enter a time initially.

When more than one transmitter is used

1.   User shall remove all the batteries from the weather station and transmitters and wait for 60 seconds if setting has been done with one transmitter before.

2.   Insert the batteries to the first transmitter.

3.   Within 25 seconds of powering up the first transmitter, insert the batteries to the Weather Station. Once the batteries are in place, all segments of the LCD will light up briefly. Following time as 0:00 and the weather girl icon will be displayed. If they are not shown in

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LCD after 60 seconds, remove the batteries and wait for at least 60 seconds before reinserting them.

4. The outdoor temperature and humidity from the first transmitter (channel 1) should then be displayed on the Weather station. Also, the signal reception icon will be displayed. If this does not happen after 2 minutes, the batteries will need to be removed from both units and reset from step 1.

5. Insert the batteries to the second transmitter as soon as the outdoor temperature & humidity readings from the first transmitter are displayed on the Weather station.

Note: User shall insert the batteries into the second transmitter within 10 seconds of reception of the first transmitter.

6. The outdoor data from the second transmitter and the "channel 2" icon should then be displayed on the Weather station. If this does not happen after 2 minute, the batteries will need to be removed from all the units and reset from step 1.

7. Insert the batteries to 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 is not happen, user shall restart the setting up from step 1.

Note:
• User shall insert the batteries into the third transmitter within 10 seconds of reception of

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the second transmitter.
- And user may require to check the displayed readings on the weather station against those shown on the transmitters in order to recognise the Channel No. of each transmitter.

8.   In order to ensure sufficient 868 MHz transmission however, this should under good conditions be a distance no more than 100 meters between the final position of the Weather Station and the transmitter (see notes on "**Mounting**" and "**868 MHz Reception**").

IMPORTANT:
Transmission problems will arise if the setting for additional sensors is not followed as described above. Should transmission problems occur, it is necessary to remove the batteries from all units and start again the set-up from step 1.

9.   Once the remote temperature has been received and displayed on the Weather station, the DCF time (radio controlled time) code reception is automatically started. This takes typically between 3-5 minutes in good conditions.

If after 10 minutes, the DCF time has not been received, press the SET key to manually enter a time initially.

Note:
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 reception is successful, the received time will override the manually set time. The date is also updated with the received time. (Please refer also to notes on "**DCF Reception**" and "**Manual Time Setting**")

BATTERY INSTALLATION
INSTALL AND REPLACE BATTERIES IN THE WEATHER STATION
The Weather station uses 2 x AA, IEC LR6, 1.5V batteries. To install and replace the batteries, please follow the steps below:
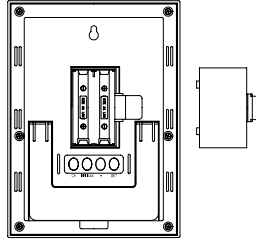
1. Remove the cover at the back of the weather station.
2. Insert batteries observing the correct polarity (see marking).
3. Replace compartment cover.

INSTALL AND REPLACE BATTERIES IN THE THERMO-HYGRO 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:

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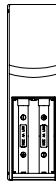
1. Remove the battery compartment cover.
2. Insert the batteries, observing the correct polarity (see marking).
3. Replace the battery compartment cover on the unit.

<u>*Note:*</u>
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 regularly to ensure optimum accuracy of these units (Battery life See **Specifications** below).
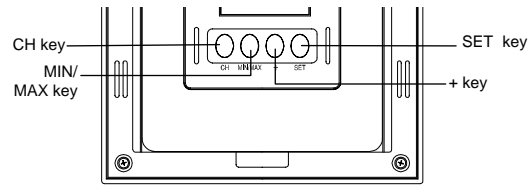
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Please participate in the preservation of the environment. Return used batteries to an authorised depot.

FUNCTION KEYS:

Weather station:

The weather station has four easy to use function keys.

CH key ——— SET key

MIN/ ——— + key
MAX key

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SET key (Setting):
- To enter the set mode for the following functions: LCD contrast, Time zone, Time Reception ON/OFF, 12/24 hour display, Manual time, Year, Month, Day, Temp unit °C/°F, and Weather forecast sensitivity settings.
- Press to reset the maximum or minimum temperature and humidity records of the indoor or the currently selected outdoor channel (will reset all records to current level)

MIN/ MAX
- To toggle between the maximum/ minimum outdoor temperature and humidity and maximum/ minimum indoor temperature and humidity data

+ key
- To make adjustment for various settings

CH key
- To toggle between the Outdoor transmitters 1, 2 and 3 (if more than 1 transmitter is used)
- To exit from the manual setting mode

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LCD SCREEN AND SETTINGS:

Radio controlled time reception icon

Time

Date

Indoor Temperature

Indoor Relative Humidity %

Weather Forecast icon (Weather girl)

Weather Tendency indicator

Outdoor Reception Signal*

Outdoor Temperature

Transmitter identification (channel No.)

Receiver low battery indicator

Outdoor Relative Humidity %

Daily min outdoor temp

Daily max outdoor temp

Transmitter low battery indicator

TIME DCF
12:34 25. 8 DATE
INDOOR 23.5 ℃ HUMIDITY 48 % RH
OUTDOOR 30.1 ℃ ❷ HUMIDITY 52 % RH
RX TX
27.6 ℃ MIN MAX 31.3 ℃

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*When the outdoor signal is successfully received by the Weather Station, this icon will be switched on. (If not successful, the icon will not be shown in LCD) So user can easily see whether the last reception was successful (icon on) or not (icon off). On the other hand, the short blinking of the icon shows that a reception is currently taking place.

For better distinctness the LCD screen is split into 5 sections displaying the information for Time and date, indoor data, weather forecast, outdoor data and daily outdoor min/ max temperature.

Section 1 - TIME AND DATE
- In normal mode, display the current time and date.
- When + key is pressed, second of time will be shown.

Section 2 - INDOOR TEMPERATURE AND INDOOR HUMIDITY
- Display the current indoor temperature and humidity.

Section 3 - WEATHER ICON (FEATURED BY WEATHER GIRL)
- Display of the weather to be expected in form of 15 fancy weather symbols (featured by Weather girl) which change their appearance depending on the air pressure development (past air pressure change) and the current outdoor temperature.
- Display the weather tendency indicator
- A signal reception symbol will be shown indicating that receiver is receiving outdoor data (Format of the weather girl icons refers to the "**WEATHER FORECAST AND**

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TENDENCY")

Section 4 - OUTDOOR TEMPERATURE AND HUMIDITY
- Display the outdoor temperature and humidity of the currently selected channel.

Section 5 - DAILY OUTDOOR MINIMUM AND MAXIMUM TEMPERATURE
- Display the daily outdoor minimum and maximum temperature of the currently selected channel.

DCF-77 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 around Frankfurt.
Once the outdoor temperature is displayed on the Weather station after initial set-up, 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.

MANUAL SETTINGS:

The following manual settings can be done in the setting mode:

- LCD contrast setting
- Time zone setting
- Time reception ON/OFF setting
- 12/24-Hour setting
- Manual time setting
- Calendar setting
- °C/ °F setting
- Weather forecasting icon sensitivity setting

Press the SET key to advance to the setting mode:

LCD CONTRAST SETTING

lcd 4 —— flashing

The LCD contrast can be set to 8 different levels to suit the users needs (default LCD contrast setting is LCD 4). To set the desired contrast level:
1.   The above display will be seen. Press the + key to select the level of contrast desired.
2.   Press the SET key to confirm and enter the **"Time Zone setting"** or exit the setting mode by pressing the CH key

TIME ZONE SETTING:

0h —— flashing

The time zone default is "0 hour". To set a different time zone:

1. The current time zone value starts flashing.
2. Use the + key to set the time zone. The range runs from 0, -1, -2…-12, 12, 11, 10… 2, 1, 0, in consecutive 1-hour intervals.
3. Confirm with the SET key and enter the **Time reception On/ Off setting.**

TIME RECEPTION ON/OFF SETTING

Flashing
(time reception icon)

Rc ON — flashing
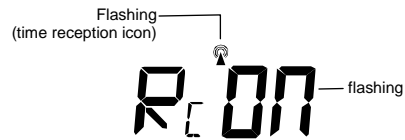
In area where reception of the radio-controlled time (DCF time) is not possible, the time reception function can be turned OFF. The clock will then work as a normal Quartz clock. (Default setting is ON).
1. The digit "ON" and the time reception icon will start flashing on the LCD.
2. Use the + key to turn OFF the time reception function.
3. Confirm with the SET key and enter the **"12/24-Hour Display setting"** or exit the setting mode by pressing the CH key.

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12/24 HOUR TIME DISPLAY SETTING

24h —— flashing

1. After setting time reception ON/OFF, press the SET key, "12h" or "24h" flashes in the LCD. (default 24 h)
2. Press the + key to select the "12h" or "24h" display mode.
3. 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 "Day. Month." display.
When 12h mode display is selected, the calendar format will be "Month. Day." display.

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MANUAL TIME SETTING
In case the Weather station is not able to detect the radio-controlled time (DCF time) signal
(disturbances, transmitting distance, etc.), the time can be manually set. The clock will then work
as a normal Quartz clock.

Hours (flashing) ——— $0 : 06$ — Minutes (flashing)

To set the clock:
1.   The hour digits start flashing in the time display section.
2.   Use the + key to adjust the hours and then press SET key to go to the minute setting.
3.   The minute will be flashing. Press the + key to just the minutes.
4.   Confirm with the SET key and enter the **"Calendar Setting"** or exit the setting mode by
       pressing the CH key

CALENDAR SETTING
DATE

$20 \quad 06$ — Year
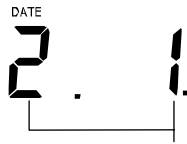
"Day. Month." (for 24h time display)
"Month. Day." (for 12h time display)

The date default of the Weather station is 1. 1. of the year 2006 after initial set-up. Once the radio-controlled time signals are received, the date is automatically updated. However, if the signals are not received, the date can also be set manually. To do this:

1. Using the + key, set the year required. The range runs from 2003 to 2029 (default is 2006).
2. Press the SET key to enter the month setting mode.
3. The month digit will be flashing. Press the + key to set the month and then press the SET key to go to the date setting.
4. The date digit will be flashing. Press the + key to set the date.
5. Confirm with the SET key and enter the "**°C/°F TEMPERATURE UNIT SETTING**" or exit the setting mode by pressing the CH key.

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°C/°F TEMPERATURE UNIT SETTING
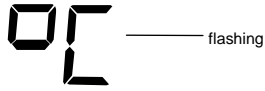
°C ———— flashing

The default temperature reading is set to °C (degree Celsius).
To select °F (degree Fahrenheit):
1.   The "°C or °F" will be flashing, use the + key to toggle between "°C" and "°F".
2.   Once the desired temperature unit has been chosen, confirm with the SET key and enter the "**Weather Forecast Icon Sensitivity setting**" or exit the setting mode by pressing the CH key.

WEATHER FORECASTING ICON SENSITIVITY SETTING
For locations with rapid changes of weather conditions, the threshold can be set to a different level for faster display of changing weather conditions.

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2 ——— Sensitivity level
            (flashing)
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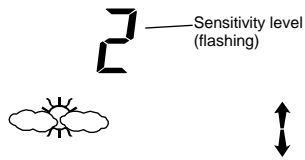
1. Using the + key to set the weather sensitivity level. There are 3 levels of setting: 2, 3 and 4 (hPa). It is the threshold value of pressure change that will activate a change in weather icon. For example, when "2" is selected, it means that a change in 2 hPa will make the weather icon change. So '2' is the most sensitive setting, "4" is the least sensitive setting (default setting is "3").
2. Confirm with the SET key and exit the **Manual settings**.
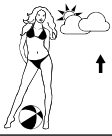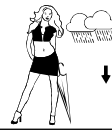
WEATHER FORECAST AND TENDENCY:
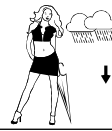
The weather forecast icons (Weather girl):
One of the 15 different weather icons (featured by Weather girl with different clothing) is displayed in the centre of LCD, which indicate the different forecast weather condition due to air pressure level (Sunny, Sunny + Cloudy or Cloudy + Rainy) and the current outdoor temperature

(Temperature value detected by Transmitter channel 1) :

	≥ 78.8°F (≥ 26°C)	66.2 to 78.6°F (19 to 25.9°C)	50 to 66°F (10 to 18.9°C)	32 to 49.8°F (0 to 9.9°C)	< 32°F (< 0°C)
Sunny					

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	≥ 78.8°F (≥ 26°C)	66.2 to 78.6°F (19 to 25.9°C)	50 to 66°F (10 to 18.9°C)	32 to 49.8°F (0 to 9.9°C)	< 32°F (< 0°C)
Sunny + Cloudy					

	≥ 78.8°F (≥ 26°C)	66.2 to 78.6°F (19 to 25.9°C)	50 to 66°F (10 to 18.9°C)	32 to 49.8°F (0 to 9.9°C)	< 32°F (< 0°C)
Cloudy + Rainy					

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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 Projection 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. 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), remove the batteries and re-insert them after about 30 seconds. 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. Again, disregard weather forecasts for the next 12 to 24 hours as this will allow time for operation at a constant altitude.

THE WEATHER TENDENCY INDICATOR
Working together with the weather icons are the weather tendency indicators (the upward and downward arrows located on the right hand side of the weather girl icon). 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.

Therefore, user may see how the weather has changed and is expected to change. For example, if the indicator is pointing downwards together with cloudy icons, it means that the last noticeable change in the weather was when it was sunny (the sunny icon only). Therefore, the next change in the weather will be the cloudy 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.

DISPLAY OF INDOOR TEMPERATURE AND HUMIDITY READING:
The indoor temperature and humidity are measured and displayed on the second section of the LCD.

Indoor icon ——— INDOOR   HUMIDITY

Indoor Temperature ——— 23.5 °C   48 % RH ——— Indoor Relative Humidity %
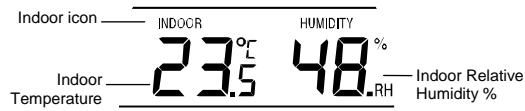
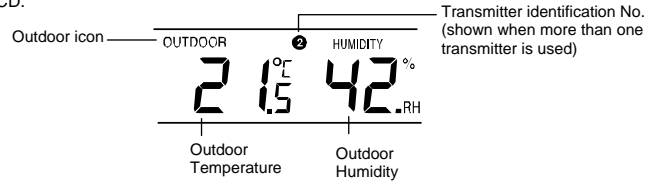**DISPLAY OF OUTDOOR TEMPERATURE AND HUMIDITY READING:**
The outdoor temperature and humidity are measured and displayed on the fourth section of the LCD.

Transmitter identification No. (shown when more than one transmitter is used)

Outdoor icon ——— OUTDOOR   ❷   HUMIDITY

21.5 °C   42 % RH

Outdoor Temperature   Outdoor Humidity

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DISPLAY OF OUTDOOR MAXIMUM AND MINIMUM RECORDS:
1.   In normal display mode, press the CH button to select the desired channel. The channel ID will be displayed next to the outdoor temperature reading.
2.   Press the MIN/MAX button once, the max outdoor temperature and humidity of the selected channel will be displayed. Also the time and date of recording this temperature will be displayed:
Note: The time and date of recording the min/max humidity reading will not be shown.

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TIME
12:34 ────── Time and date
              of recording
DATE   the Max
3. 8.   temperature

Outdoor icon ──────── Channel No.
OUTDOOR   HUMIDITY
Max ──── *28.8*℃ *40*% ──── Max humidity
temperature   RH
                    MAX ──── Max icon
27.4℃ MIN *28.1*℃
         MAX
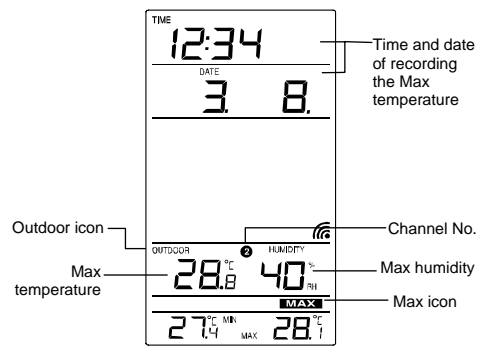
3.   By pressing MIN/MAX button once more, the min temperature and humidity of the
      selected channel will be shown. Also the time and date of recording this temperature will
      be displayed.
4.   Press one more time the MIN/ MAX button to advance to the indoor Max/ Min temp
      display.

Note: The time of recording the minimium or maximum humidity is not recorded.

RESETTING THE OUTDOOR MAXIMUM/ MINIMUM RECORDS
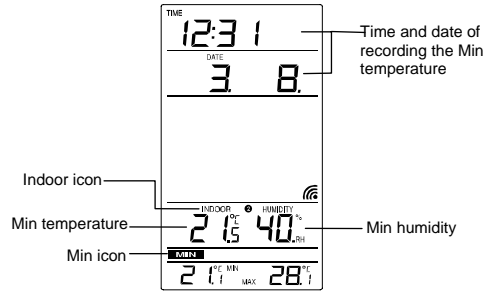*Note:*
- It is required to reset the outdoor max/ min records of different channels separately.
- The outdoor minimum and maximum records are to be reset separately.
1. In normal display mode, press the CH button to select a channel. The channel Identification No. (channel No.) will be displayed near the outdoor temperature reading.

Note: **The transmitter number will only be displayed if more than one transmitter is applied**.

2. Press the MIN/MAX button once. The "max" icon will be displayed.
3. Press the SET button, this will reset the outdoor maximum temperature, humidity and time (of recording the temp) to the current value.
4. Press MIN/ MAX button once more to show the minimum data. The "min" icon will be displayed.
5. Press the SET button, this will reset the outdoor minimum temperature , humidity and time (of recording the temp) record to the current value.
6. Press three more times the MIN/MAX key to return to the normal display.

DISPLAY OF INDOOR MAXIMUM AND MINIMUM RECORDS:
1. In normal display mode, press the MIN/MAX button three times. The maximum indoor temperature and humidity will be shown in the bottom section of LCD. Also the time and date of recording this temperature will be displayed.
2. Then press the MIN/MAX button one more time, the minimum indoor temperature and humidity will be shown in the bottom section of LCD. Also the time and date of recording this temperature will be displayed:

3. Press one more time the MIN/ MAX button to go back to the normal display.

Note: The time of recording the minimium or maximum humidity is not recorded.

RESETTING THE INDOOR MAXIMUM/ MINIMUM RECORDS
1. In normal display mode, press the MIN/MAX button three times to advance to the indoor MAX display.
2. Press the SET key once, this will reset the currently shown indoor maximum temp , humidity and time (of recording the temp) to the current time, date and temperature.
3. Press the MIN/MAX button once more to advance to the indoor MIN display.
4. Press the SET key once, this will reset the currently shown indoor minimum temp , humidity and time (of recording the temp) to the current time, date and temperature.
5. Press the MIN/MAX button once more to return to the normal display.

DAILY MIN AND MAX OUTDOOR TEMPERATURE DISPLAY
This weather station will display the daily maximum and minimum outdoor temperature for each outdoor channel, at the bottom of the LCD, in normal display.

Channel No.

Min daily temp of the channel

Max daily temp of the channel
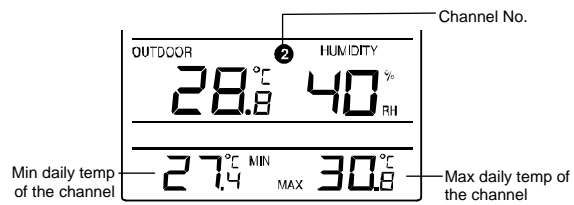
To view the daily max and min temperature of another channel, user shall press the CH key in normal display.

Note:
The daily minimum temperature record is reset automatically at 8:00 pm and the daily maximum temperature is reset automatically at 8:00 am every day.

868 MHz RECEPTION
The Weather station should receive the temperature data within 5 minutes after set-up. If the outdoor data signal cannot be received 5 minutes after setting up or in normal mode the signal reception is "disturbed" continuously, the outdoor display will show "- - -" . Then user shall check the following points:

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1. 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.
2. Avoid positioning the Weather station 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 (868MHz) may prevent correct signal transmission and reception.
4. 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**).
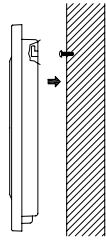
Note:
-

MOUNTING
POSITIONING THE WEATHER STATION:
The Weather Station may be hung onto wall easily 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. Hang the station onto the screw. Remember to ensure that it locks into place before releasing.
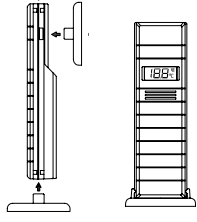
Free standing

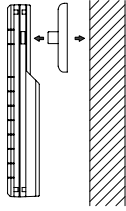With the stand, the weather station can be placed onto any flat surface.
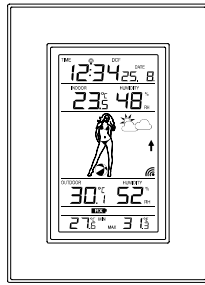
POSITIONING THE THERMO-HYGRO TRANSMITTER:
The Transmitter is supplied with a holder that may be attached to a wall with the two screws supplied. The Transmitter can also be position on a flat surface by securing the stand to the bottom to the Transmitter.

To wall mount:

1. Secure the bracket onto a desired wall using the screws and plastic anchors.
2. Clip the remote 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, vibrations and shocks 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 units in water. Furthermore, fix all parts in place where the units are adequately protected against moisture and rain.
- 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.

SPECIFICATIONS:

Temperature measuring range:

Indoor   :   -9.9ºC to +59.9ºC with 0.1ºC resolution (14.1°F to +139.8°F with 0.2°F resolution); **"OF.L"** displayed if outside this range

Outdoor   :   -39.9ºC to +59.9ºC with 0.1ºC resolution (-39.8°F to +139.8°F with 0.2°F resolution); **"OF.L"** displayed if outside this range

Relative humidity measuring range:

Indoor: 1% to 99% with 1% resolution (displays **"- -"** when lower than 1 %; displays "99" % if higher than 99 %)

Outdoor: 1% to 99% with 1% resolution (displays "1" when lower than 1 %;
                                               displays "99" % if higher than 99 %)
Indoor temperature checking interval :   every 15 seconds
Indoor humidity checking interval   :   every 20 seconds
Outdoor data reception   :   every 4 seconds

Power supply:
Weather station   :   2 x AA, IEC, LR6, 1.5V
Thermo-hygro transmitter   :   2 x AA, IEC, LR6, 1.5V

Battery life cycle (Alkaline batteries recommended)
Weather station   :   Approximately 24 months
Thermo-hygro transmitter   :   Approximately 24 months

Dimensions (L x W x H)
Weather station   :   122.8 x 23.1 x 169.7 mm (4.83" x 0.91" x 6.68")
Thermo-hygro transmitter   :   38.2 x 21.2 x 128.3 mm (1.50" x 0.83" x 5.05")

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. 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.

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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