

**TEMPERATURE FORECAST STATION WITH WEATHER GIRL**  
**Model WS9723IT**  
**Instruction Manual**

**!!Please read carefully before operating!!**

**INTRODUCTION:**

Congratulations on purchasing this temperature station with wireless 915MHz transmission. It not only displays the indoor temperature and humidity but also receives the outdoor temperature. With the totally 7 different temperature icons featured by "Weather girl", users can easily observe the current weather condition. And this innovative product is ideal for use in the home or office.

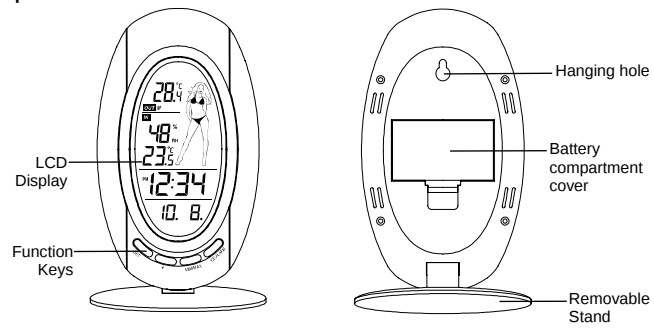
« Instant Transmission+ » is the up and coming state-of-the-art new wireless transmission technology, exclusively designed and developed by LA CROSSE TECHNOLOGY.

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



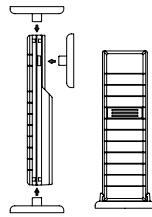
## FEATURES:

### The Temperature Station



Manual setting options  
Hour, minute and second display  
Calendar display  
Time zone option -12 to 12 hours  
Wireless transmission at 915 MHz  
Outdoor signal reception intervals at 4-second  
Display one of the 7 easy-to-read Temperature condition icons featured by Weather  
girl  
Temperature display in Fahrenheit (°F) or Celsius (°C) selectable  
Indoor and Outdoor temperature display with MIN/MAX recording  
All MIN/MAX recordings can be reset  
Low battery indicator  
Wall hanging or free standing

#### The Outdoor Temperature Transmitter



Remote transmission of outdoor temperature to temperature Station at 915 MHz  
Weather-resistant casing  
Wall mounting case  
Mount in a sheltered place. Avoid direct rain and sunshine

#### SETTING UP:

1. First, insert the batteries into the temperature transmitter. (see "**Install and replace batteries in the temperature transmitter**").
2. Immediately after and within 30 seconds, insert the batteries into Temperature Station (see "**Install and replace batteries in the Temperature Station**"). Once the batteries are in place, all segments of the LCD will light up briefly. Following the time as 12:00 and the "weather girl" icon and indoor temperature and humidity 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 into the transmitter, the Temperature Station will start receiving data from the transmitter. The outdoor temperature and the signal reception icon should then be displayed on the Temperature Station. If this does not happen after 5 minutes, the batteries will need to be removed from both units and reset from step 1.
  4. In order to ensure sufficient 915 MHz transmission there should be no more than 100 metres between the final position of the Temperature Station and the transmitter (see notes on "**Mounting**" and "**915 MHz Reception**").

**Note:**

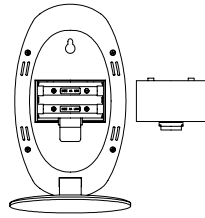
The Temperature Station will receive one outdoor transmitter only.

5. Press the SET key to manually enter a time initially.

**BATTERY INSTALLATION**

**INSTALL AND REPLACE BATTERIES IN THE TEMPERATURE STATION**

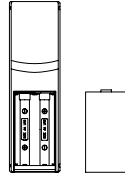
The Temperature Station uses 2 x AA, IEC LR6, 1.5V Alkaline batteries. To install and replace the batteries, please follow the steps below:



1. Remove the cover at the back of the Temperature Station.
2. Insert batteries observing the correct polarity (see marking).
3. Replace compartment cover.

#### INSTALL AND REPLACE BATTERIES IN THE TEMPERATURE TRANSMITTER

The temperature transmitter uses 2 x AA, IEC LR6, 1.5V Alkaline batteries. To install and replace the batteries, please follow the steps below:



1. Remove the battery compartment 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 Temperature Station in the first 3 minutes of power being supplied to it

**BATTERY CHANGE:**

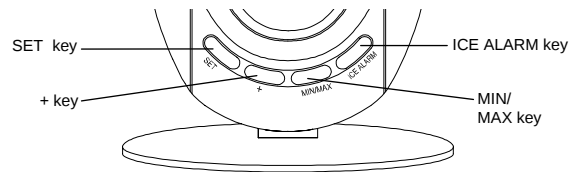
It is recommended to replace the batteries in all units regularly to ensure optimum accuracy of these units (Battery life see **Specifications** below).



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

**FUNCTION KEYS:****Temperature Station:**

The Temperature Station has four easy to use function keys.

**SET key (Manual Setting):**

Press to enter the set mode for the following functions: Time zone, DST ON/OFF, Manual time, Year, Month, Date, Weekday and °C/°F settings.

**MIN/ MAX key**

To toggle between the maximum/ minimum outdoor temperature and maximum/

minimum indoor temperature data  
Press to reset at the maximum or minimum temperature records of the indoor and the outdoor channel (will reset all records to current level)  
Press to exit the setting mode

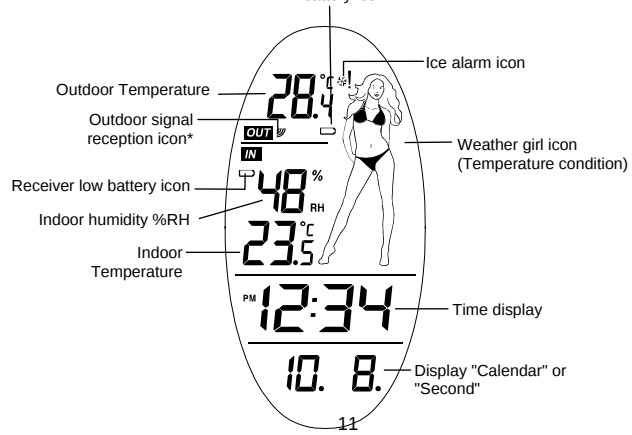
**+ key**

To make adjustment for various settings  
In normal display, press to toggle between the display of the calendar and second of time in the time display of LCD

**Ice Alarm key**

To activate / deactivate the Ice Alarm (alarm will be triggered once the outdoor temperature has dropped to 4°C (39.2 F))  
To exit from the manual setting mode

**LCD SCREEN AND SETTINGS:** Transmitter low battery icon



\*When the outdoor signal is successfully received by the Temperature 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 easy viewing, the LCD screen is divided into 3 sections displaying the information for time and indoor data, weather forecast, and outdoor data.

#### **Section 1 - OUTDOOR TEMPERATURE**

Display the current outdoor temperature.

By pressing the MIN/ MAX key, display the stored MIN/MAX outdoor temperature, with simultaneous display of MIN/ MAX icon.

A signal reception symbol will be shown indicating that outdoor temperature signal is received.

#### **Section 2 - INDOOR DATA AND TEMPERATURE ICON (FEATURED BY WEATHER GIRL)**

Display indoor temperature and indoor humidity

The current temperature condition is displayed in form of one of seven icons, featured by Weather girl, which change in appearance according to the current outdoor temperature.

Format of the weather girl icons refers to the below clause "**Weather girl Icon**"

### **Section 3 - TIME AND CALENDAR**

In normal mode, display the time and calendar.

#### **MANUAL SETTINGS:**

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

Time zone setting

DST on/off

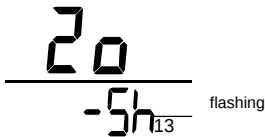
Manual time setting

Calendar setting

°C/ °F setting

Press and hold the SET key for about 3 seconds to advance to the setting mode:

#### **TIME ZONE SETTING:**

 20  
-5h<sub>13</sub> flashing

The time zone default of the Temperature Station is "-5 hour". To change to another time zone:

1. Press and hold the SET key for about 3 seconds to enter the time zone setting (flashing).
2. Using the + key, set the time zone. The range runs between 12 to -12 hr, in consecutive 1hour intervals.
3. Press the SET key to confirm and enter the **"Manual Time Setting"** or exit the setting mode by pressing the MIN/MAX key

#### **DST ON/OFF**

**Note: This facility is not available in Australia and New Zealand.**

#### **MANUAL TIME SETTING**

The time can be manually set. The clock works as a normal Quartz clock.

Hours (flashing) — PM **12:34** — Minutes (flashing)

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 adjust the minutes.
4. Confirm with the SET key and enter the **"Calendar Setting"** or exit the setting mode by pressing the MIN/MAX key

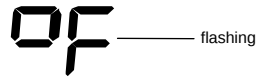
The time format is fixed to "12-hr" time display.

20 06 —Year      2 . 1      weekday — MO 1.  
"Month. Date"

15

1. Using the + key, set the year required. The range runs from 2000 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 set the weekday.
6. Press + key to select the weekday, "MO", "TU", "WE" etc.
7. Confirm with SET key and enter the **"°C/°F TEMPERATURE UNIT SETTING"** or exit the setting mode by pressing the MIN/MAX key.

#### °C/°F TEMPERATURE UNIT SETTING



The default temperature reading is set to °F (Fahrenheit). To select °C (Celsius):

1. The "°F/ °C" will be flashing, use the + key to toggle between "°F" and "°C".

2. Once the desired temperature unit has been chosen, confirm with the SET to exit the setting mode.

**WEATHER GIRL ICON (Temperature condition icons):**

One of the 7 different temperature icons (featured by weather girl with different clothing) is displayed in the centre of LCD, which indicates the different temperature conditions due to the current outdoor temperature (temperature value detected by the outdoor transmitter):

|                                                                                   |                                                                                   |                                                                                   |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| >78.8 F<br>(>26 C)                                                                | 69.8 - 78.7 F<br>(21.0 - 25.9 C)                                                  | 59 - 69.7 F<br>(15.0 - 20.9 C)                                                    | 50 - 58.9 F<br>(10.0 - 14.9 C)                                                      |
|  |  |  |  |

46.4 - 49.9 F  
(8.0 - 9.9 C)

39.2 - 46.3 F  
(4.0 - 7.9 C)

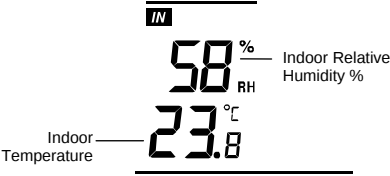
32 - 39.1 F  
(0 - 3.9 C)

< 32 F  
< 0 C



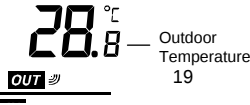
**DISPLAY OF INDOOR TEMPERATURE AND HUMIDITY READING:**

The indoor temperature and humidity are measured and displayed on the second section of the LCD.



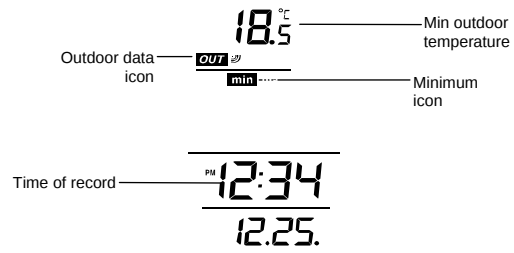
**DISPLAY OF OUTDOOR TEMPERATURE READING:**

The first LCD section shows the outdoor temperature.



#### DISPLAY OF OUTDOOR MINIMUM AND MAXIMUM RECORDS:

1. In normal display mode, Press the MIN/MAX button once, the outdoor MIN temperature and the time and date of recording this temperature will be displayed.



2. Press the MIN/MAX button once more, the outdoor max temperature and the time and date of recording this temperature will be displayed.
3. Press the MIN/ MAX button once more to advance to the indoor MIN/ MAX display.

#### DISPLAY OF INDOOR MINIMUM AND MAXIMUM RECORDS:

1. In normal display mode, press the MIN/ MAX key three times, the minimum indoor temperature will be shown in LCD. Also the time and date of recording this temperature will be displayed.
2. Then press the MIN/MAX button one more time, the maximum indoor temperature will be shown in LCD. Also the time and date of recording this temperature will be displayed.

Indoor data icon  Maximum icon  Maximum icon

31.5 °C ——— Max indoor temperature  
Time of record  12:34  
12.25.  
21

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

#### **RESETTING THE INDOOR AND OUTDOOR MINIMUM AND MAXIMUM RECORDS**

1. In normal display mode, press the MIN/ MAX button to advance to the MIN/MAX records display.
2. Press and hold the MIN/MAX key for about 2 seconds, this will reset all the indoor and outdoor MIN and MAX temperature records to the current temperature and time.

#### **Note:**

The indoor and outdoor records will be reset at the same time.

#### **Ice Alarm (ALARM AT 4 C)**

This Temperature Station has a unique Ice Alarm feature. User may choose to turn it On or Off.

User may press the Ice Alarm key to activate the alarm (the Ice Alarm icon will then be displayed to indicate that the alarm is "on"). After the alarm is switched on, and the measured outdoor temperature has dropped below 4°C (39.2 F), the Ice Alarm will be triggered. The alarm will then sound and the Ice Alarm icon will be blinking on the LCD. The alarm duration will be about 1.5 minutes.

#### **HYSTERESIS OF ICE ALARM**

To compensate for the fluctuation of the measured outdoor temperature, which may cause the Ice Alarm to sound constantly if the measured reading is close to **4°C (39.2 F)**, a hysteresis function has been implemented for the alarm.

If the current temperature value drops to 4°C (39.2 F), the ice alarm will be activated (if the alarm has been enabled).

Since the preset hysteresis is 1°C (1.8 F). If the temperature rises back to 4.6°C (40.3 F) and thereafter again drops to below 4°C (39.2°F), the data will be blinking, but no alarm will be activated.

With the pre-set hysteresis of 1°C (1.8 F), it has to rise back to above 5°C (41°F) and drop below 4°C (39.2 F) to trigger the alarm again.

**Note:** After the alarm is triggered, the alarming icon will still blink when the temp is still between 4 to 5 °C (39.2 to 41 F).

### 915 MHz RECEPTION

The Temperature Station should receive the temperature data within 5 minutes after set-up. If the temperature data is not received 5 minutes after setting up (not successfully continuously, the outdoor display shows "- - -"), please check the following points:

1. The distance of the Temperature Station or transmitter should be at least 1.5 to 2 m away from any interfering sources such as computer monitors or TV sets.
2. Avoid positioning the Temperature 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 (915MHz) may prevent correct signal transmission and reception.
4. Neighbours using electrical devices operating on the 915MHz signal frequency can also cause interference.

**Note:**

When the 915MHz signal is received correctly, do not re-open the battery cover of either the transmitter or Temperature 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 (330 ft.) from the transmitter to the Temperature Station (in open space). However, this depends on the surrounding environment and

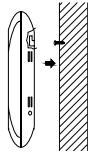
interference levels. If no reception is possible despite the observation of these factors, all system units have to be reset (see **Setting up**).

## MOUNTING

### POSITIONING THE TEMPERATURE STATION:

The Temperature 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 values can be received from the desired locations.

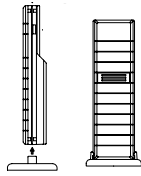
1. Fix a screw (not supplied) into the desired wall, leaving the head extended out by about 5mm.
2. Remove the stand from the Temperature Station by pulling it away from the base and hang the station onto the screw. Make sure that it locks into place before releasing.

#### Free standing



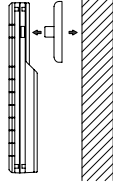
With the stand, the Temperature Station can be placed onto any flat surface.

#### 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 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, 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.

**SPECIFICATIONS:**

Temperature measuring range:

Indoor : -9.9°C to +59.9°C with 0.1°C resolution (14.1°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)

Relative humidity measuring range:

Indoor : 1% to 99% with 1% resolution (displays "--" when outside this range)

Indoor temperature checking interval : every 17 seconds

Indoor humidity checking interval : every 17 seconds

Outdoor data reception : approximately every 4 seconds

Power supply:

Temperature Station : 2 x AA, IEC, LR6, 1.5V

Temperature Transmitter : 2 x AA, IEC, LR6 1.5V

Battery life cycle (Alkaline batteries recommended)

Temperature Station : Approximately 24 months

Temperature Transmitter : Approximately 24 months

Dimensions (L x W x H)

Temperature Station : 92 x 30.7 x 160 mm

Temperature Transmitter : 38.2 x 21.2 x 128.3 mm

**LIABILITY DISCLAIMER:**

Please ensure that all discarded packaging and unwanted electrical items are discarded in a correct and responsible manner. All recyclable material should be deposited at relevant recyclable waste collection points.

As stated on the gift box and labelled 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 and other weather data.

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.

This product is guaranteed for the period of 12 months from date of purchase against failure to operate correctly to its listed specifications due to any manufacturing defects.

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