WIRELESS 868 MHz TEMPERATURE STATION
### Instruction Manual

INTRODUCTION:
Congratulations on purchasing this temperature station with wireless 868 MHz transmission of outdoor temperature and display of indoor temperature. With two easy to use function keys, this innovative product is ideal for use in the home or office

FEATURES:

Temperature station

LCD display

Hanging hole

Battery compartment

Function keys

Stand
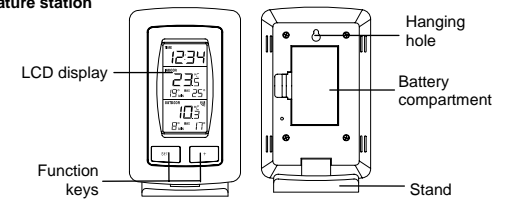
The Temperature Station

Manual time setting (hour and minute display)
Time display 24-hour time format
Temperature display in degree Celsius (°C)
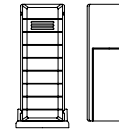Indoor and outdoor temperature display with MIN/MAX records
Low battery indicator
Wireless transmission at 868 MHz
Signal reception intervals at 8 seconds
Wall mounting or table standing

The Outdoor Temperature Transmitter

Remote transmission of outdoor temperature to Temperature Station by 868 MHz signals
Rain proof casing
Wall mounting and table-standing
Mounting at a sheltered place. Avoid direct rain and sunshine

SETTING UP:
Note: this temperature station can only receive one transmitter only.

1. First, insert the batteries to the transmitter (see "**How to install and replace batteries in the Temperature transmitter**" below).
2. Within 30 seconds of powering up the transmitter, insert the batteries to the Temperature Station (see "**How to install and replace batteries in the Temperature station**" below). Once the batteries are in place, all segments of the LCD will light up briefly. Following the indoor temperature, the time as 0:00 will be displayed. If they are not shown in 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 Temperature Station will start receiving data signal from the transmitter. The outdoor temperature should then be displayed on the Temperature 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 sufficient 868 MHz transmission however, this should under good conditions be a distance no more than 60 meters between the final position of the Temperature Station and the transmitter (see notes on "**Positioning**" and "**868 MHz Reception**").
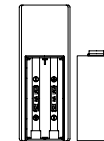
HOW TO INSTALL AND REPLACE BATTERIES IN THE TEMPERATURE STATION
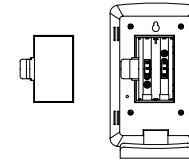
The Temperature Station uses 2 x AA, IEC LR6, 1.5V batteries. When batteries will need to be replaced, the low battery icon will appear on the LCD. To install and replace the batteries, please follow the steps below:

1. Lift up the battery compartment cover.
2. Insert batteries observing the correct polarity (see marking).
3. Replace compartment cover.

HOW TO INSTALL AND REPLACE BATTERIES IN THE TEMPERATURE TRANSMITTER

The Temperature transmitter uses 2 x AAA, IEC LR3, 1.5V batteries. When batteries will need to be replaced, the low battery icon will appear on the LCD of the Temperature Station. 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 holder to the unit.

Note:
In the event of changing batteries in any of the units, **all** units need to be reset by following the setup 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 few minutes of power supplying.
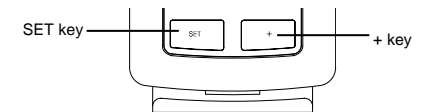
BATTERY CHANGE:
It is recommended to replace the batteries in all units regularly to ensure optimum accuracy of these units. (Battery life –see **Specifications**)

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

FUNCTION KEYS:
The Temperature Station has only two easy to use function keys:

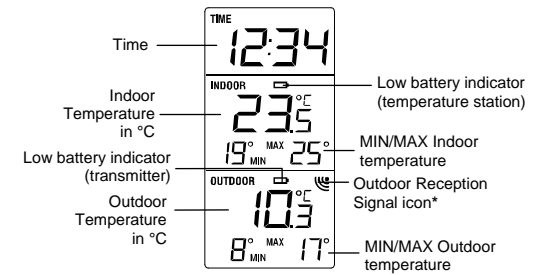SET key ──────┤ SET ┤ ┤ + ┤────── + key

Press and hold for about 3 seconds to enter the Manual setting mode.

+ key

Press to make adjustment in the setting mode.
Press and hold to reset all MIN/MAX records

LCD SCREEN AND SETTINGS:

Time

Indoor
Temperature
in °C

Low battery indicator
(transmitter)

Outdoor
Temperature
in °C

Low battery indicator
(temperature station)

MIN/MAX Indoor
temperature

Outdoor Reception
Signal icon*

MIN/MAX Outdoor
temperature

23

* When the signal from the transmitter is successfully received by the Temperature Station, this icon will be switched on. (If not successful, the icon will not be shown on the LCD). User can therefore easily see whether the last reception was successful ("ON" icon) or not ("OFF" icon). On the other hand, the short blinking of the icon shows that a reception is being done at that time.

MANUAL TIME SETTING:
To manually set the time of the Temperature Station:

Hour (flashing) ———— TIME **12:34** ———— Minutes (flashing)
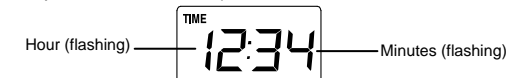
1.   Press and hold the **SET** key for 3 seconds to enter the manual time setting mode.
2.   The hour digit of the time display will be flashing.
3.   Press the **+** key to adjust the hour (press and hold to allow fast advance). Press **SET** key to confirm and go to the minute setting.
4.   The minute digit will be flashing. Press the **+** key to adjust the minute (press and hold to allow fast advance). Press **SET** key once more to return to normal display.

Note:
If no buttons are pressed within approximately 8 seconds while in setting mode, the unit will return to normal operating mode.

VIEWING THE INDOOR TEMPERATURE AND MIN/MAX
The indoor temperature is displayed in the second section of the LCD along with the indoor MIN/MAX records:
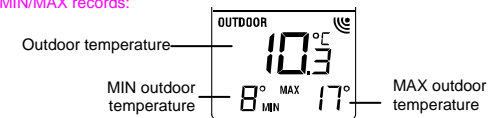
MIN indoor temperature

Indoor temperature

MAX indoor temperature
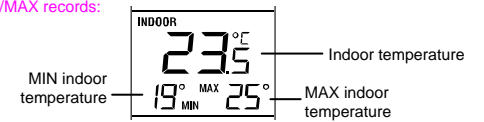
Note:

The maximum temperature record for the MIN indoor temperature can only be up to **-10⁰C, and the MIN/MAX temperature resolution is 1°C.**

The resolution of the indoor temperature is 0.5⁰C

VIEWING THE OUTDOOR TEMPERATURE AND THE MIN/ MAX
The outdoor temperature is displayed in the last section of the LCD along with the outdoor MIN/MAX records:

Outdoor temperature

MIN outdoor temperature

MAX outdoor temperature

25

TO RESET THE MIN/MAX DATA:
The MIN/MAX temperature can be reset manually by pressing and holding the **+** key for about 3 seconds. This will reset all indoor and outdoor MIN/MAX temperature to current indoor and outdoor temperatures.

LOW BATTERY INDICATOR
Low battery indicator is displayed on the LCD when the batteries require changing.

868 MHz RECEPTION CHECK
The Temperature Station should receive the outdoor temperature data within a few minutes after setup. If the temperature data are not received about 2 minutes after setup (the signal reception icon does not appear), please check the following points:
1.   The distance of the Temperature 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 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 (868MHz) may prevent correct signal transmission and reception.
4.   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 the Temperature Station, as the batteries may spring free from the contacts and force a false reset. If this happens accidentally, all units must be reset (see **Setting up** above) otherwise transmission problems may occur.
The transmission range is about 60 m 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 above**).

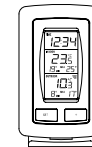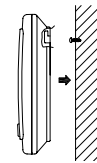**POSITIONING THE TEMPERATURE STATION:**

Table standing
The Temperature Station comes attached with a table stand, which provides the option of table standing the unit in addition to wall mounting.
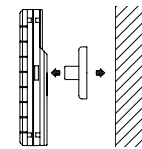
To wall mount:
Before wall mounting, please check that the outdoor temperature values can be received from the desired locations:
1. Fix a screw (not supplied) into the desired wall, leaving the head extended out by about 5mm.
2. Hang the Temperature Station onto the screw. Remember to ensure that it locks into place before releasing.

POSITIONING THE REMOTE TEMPERATURE TRANSMITTER:
The remote temperature transmitter can be placed onto any flat surface or wall mounted using the bracket which doubles as a stand or wall mount base.

To wall mount:
1.   Secure the bracket onto a desired wall using the screws and plastic anchors.
2.   Clip the remote temperature transmitter onto the bracket.

Note:
The mounting surface can affect the transmission range. If, for instance, 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 to place the unit on any metal surfaces or in any position where a large metal or highly polished surface is in the immediate vicinity (garage doors, double glazing, etc.). Before securing in place, please ensure that the Temperature Station can receive the 868MHz signal from the temperature transmitter at the positions that you wish to place them.

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 +59.5ºC with 0.5ºC resolution
                      ("OF.L" displayed if outside this range)
Outdoor   :   -39.9ºC to +59.9ºC with 0.1ºC resolution
                      ("OF.L" displayed if outside this range)
Indoor Temperature checking interval :   every 20 seconds
Outdoor data checking interval   :   every 8 seconds
Power consumption
Temperature Station   :   2 x AA, IEC LR6, 1.5V
Outdoor Temperature Transmitter :   2 x AAA, IEC LR3, 1.5V
Battery life cycle (Alkaline batteries recommended):

| Temperature Station | : | approximately 24 months |
| Outdoor Temperature Transmitter | : | approximately 12 months |

Dimensions (L x W x H)

| Temperature Station | : | 79.8 x 29 x 127mm |
| Outdoor Temperature Transmitter | : | 32.4 x 14.1 x 86.5mm |

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 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.

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.