

- This product is only designed for use in the home as indication of the future weather and is not 100% accurate. Weather forecasts given by this product should be taken only as an indication of the expected weather and not as being totally accurate.
- 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

#### CARE AND MAINTENANCES

- Avoid placing the units in areas prone to vibration and shock as these may cause damage.
- Avoid areas where the units can be exposed to sudden changes in temperature, i.e. direct sunlight, extreme cold and wet/moist conditions as these will lead to rapid changes which reduces the accuracy of readings.
- When cleaning the LCD and casing, use a soft damp cloth only. Do not use solvents or scouring agents.
- Do not submerge the units into water.
- Immediately remove all low powered batteries to avoid leakage and damage. Replace only with new batteries of the recommended size.
- Do not make any repairs to the units. Please return them to the original point of purchase for repair by a qualified engineer. Opening and tampering with the units may invalidate its guarantee.

#### SPECIFICATIONS

##### Recommended Operating Temperatures:

Weather Station : 0°C to +50°C

Temperature measuring range:

Indoor : -20°C to +60°C with 0.1°C resolution  
(OFL displayed if outside this range)

Outdoor : -29.9°C to +69.9°C with 0.1°C resolution  
(OFL displayed if outside this range)

##### Temperature checking intervals:

Indoor temperature : every 10 seconds

W/Station checks temperature from transmitter

: 2 times every 10 mins

Transmitter temperature update : every 1 minute

Transmitting frequency : 433.92MHz

Transmitting range up to : 25 meters (open space and free from interference)

Power source:

Weather Station : 2 x AAA,IEC LR3 1,5V batteries

(Alkaline batteries recommended)

Transmitter : 2 x AAA,IEC LR3 1,5V batteries

(Alkaline batteries recommended)

Battery life : About 12 months

Dimensions (L x W x H)

Weather Station : 75 x 21 x 185mm

Transmitter : 59 x 22 x 65mm

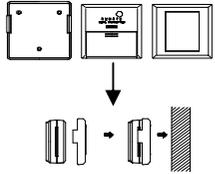
#### LIABILITY DISCLAIMER

- The manufacturer and supplier cannot accept any responsibility for any incorrect readings and any consequences that occur should an inaccurate reading take place.

**Note:**

Remember when resetting, both units have to be reset and to always begin by insert the battery into the transmitter first and then followed by the Weather Station.

**POSITIONING THE OUTDOOR TEMPERATURE TRANSMITTER**



The Temperature Transmitter is supplied with a holder that may be attached to a wall with the three screws supplied. To attach to the wall, please follow the steps below:

1. Mark the wall using a pen through the holes in the holder to obtain the exact drilling position.
2. Drill holes in the wall at the points marked.
3. Screw holder onto wall.

There is also double sided tape included with the wall mount. On smooth surfaces this can be used instead of drilling holes. The mounting surface can, however, affect the transmission range. If for example the unit is attached to a piece of metal, it may then either reduce or increase the transmitting range. For this reason, we recommend not placing the unit on any metal surfaces or in any position where a large metal or highly polished surface is in the immediate proximity (garage doors, double glazing, etc.). **Choose a sheltered place. Avoid**

**direct rain and sunshine.** Before securing in place, please ensure that the Temperature Station can receive the 433 MHz signal from the Temperature Transmitter at the positions that you wish to situate them.

**POSITIONING THE WEATHER STATION**



The Weather station comes with a removable table stand, which provides the option of table standing or wall mounting the unit. Before wall mounting, please check that the outdoor temperature(s) can be received from the desired location(s). To wall mount:

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

**BATTERIES REPLACEMENT:**

For best performance, batteries to both units should be replaced at least once and a year and at the same time to maintain the best running accuracy. Ensure that the batteries used are new of the correct size.



**Please help in the preservation of the environment and return used batteries to an authorized depot.**

#### **OUTDOOR TEMPERATURE READING**

The outdoor temperature reading is on the bottom line of the LCD under the weather icons. The Weather Station will automatically start scanning for the outdoor temperature via 433 MHz frequency once the batteries are inserted.

#### **Note:**

Should the outdoor temperature not be received within one minute after inserting the batteries into the Weather Station, then see **433 MHz reception** below.

#### **433 MHz RECEPTION**

In normal surroundings (for example away from interfering sources such as TV sets), the outdoor temperature can usually be received within one minute. The transmitter updates the outdoor temperature every minute after the batteries are inserted and the Weather Station reads the outdoor temperature from the transmitter 2 times in every 10 minutes

If the outdoor temperature is not displayed on the LCD within one minute, then check the following:

1. The distance of the units should be at least 1.5 - 2.0 metres away from interfering sources such as computer monitors or TV sets.
2. Avoid placing the units onto or in the immediate proximity of metal doors, window frames or structures.
3. Using other electrical product such as headphones and speakers that operate on the same signal (433 MHz) can prevent the transmission pick up.

4. Neighbours using electrical products operating on the 433 MHz signal can also cause interference. In most severe cases, the reception is only possible once all other electrical products using the 433 MHz are switched off.
5. Within thick concrete rooms such as basements and tower blocks, the 433 MHz signal can be weakened. In such environments, place the Weather Station closer to a window or point its front or back in the general direction of transmitter (avoid placing near metal frames and structures).
6. Transmission can be affected by exposure to extreme temperature conditions. For example, if the weather has been extremely cold (for example under -25°C) for an extended period of time then the temperature signal may be weakened. Please bear this in mind when positioning the transmitter (see **Maintenance** below).

#### **Note:**

Should after checking the above points, the outdoor temperature is still not be received, then reset the units (see **Resetting** below).

#### **RESETTING**

Remove the batteries from both the Weather Station and the transmitter  
Wait at least 30 seconds and repeat the procedures specified in Setting up above otherwise transmission start up problems may occur.

For every sudden or significant change in the air pressure, the weather icons will update weather icons accordingly to represent this 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 to register. However, this does apply if the icons displayed are a sun or raining clouds because the weather icons are then already at their extremes points. For example, there will be no change of icon if the weather gets better when sunny icon is already displayed on the LCD or any worse when the raining clouds icon is displayed.

The icons displayed forecasts the weather in to 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 rain.

**Note:**

After setting up, it is recommended that Weather Station not be moved and that readings for the weather forecast be discarded for the next 12-24 hours. This will allow sufficient time for it to operate at a constant altitude and in time, result in an more accurate weather 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) forecasting is 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 to the first floor of a house), discard weather forecasts for the next 12 to 24 hours or reset the units (see **Resetting** below). 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 TENDENCY INDICATOR**

Working together with the weather icons are the weather tendency indicators (located above and below the weather icons). When the indicator points upwards, it means that the air-pressure has increased and the weather is expected to improve. When indicator points downwards, the air-pressure has dropping and the weather is expected to become worse.

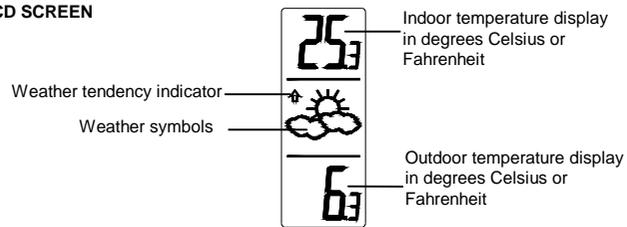
Taking this into account, we can see how the weather has changed and is expected to change. For example, if the downwards indicator and the cloud and sun icons are displayed, then the last noticeable change in the weather was when it was sunny (the sun icon only). Therefore, the next change in the weather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

**Note:**

Once the weather tendency indicator has registered a reading, it will remain permanently visualized on the LCD. If the weather is sunny and the sun icon is displayed with the tendency indicator pointing upwards, it means that the weather is expected to remain good. If the cloud with rain icons appear with the tendency indicator is pointing downwards, then weather is not expected to improve but not necessarily rain.

When setting up, always remember to insert the battery into the transmitter first as this will activate transmitter's 433 MHz signal ready for the Weather Station to receive.

**LCD SCREEN**



The Weather Station's LCD is comprised of three lines and once the batteries are inserted, all the segments will light up briefly before displaying:

1. the indoor temperature
2. the sun with cloud weather icons
3. the outdoor temperature received from the transmitter (by 433 MHz).

**FUNCTION KEY**

Located at the back of the unit, this "°C/°F" key allows the user to display the current temperature readings in degrees Celsius or in degrees Fahrenheit.

**USING THE WEATHER STATION:**

**Indoor Temperature Reading:**

The indoor temperature display is on the top line of the LCD and is automatically measured by the Weather Station's built in sensor once the batteries are inserted. This temperature reading is checked and updated every 10 seconds.

**Weather tendency icons**

Underneath the indoor temperature section is the weather icons for forecasting the expected weather. There are three weather icons which can be displayed in the following combinations:



Sunny



Cloudy with sunny interval

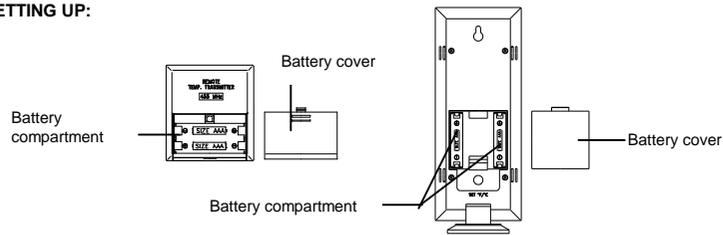


Rainy

#### FEATURES:

- Indoor temperature display in degrees Celsius (°C) or degrees Fahrenheit (°F)
- Outdoor temperature display in degrees Celsius (°C) or degrees Fahrenheit (°F)
- Three weather icons forecasts the coming weather.
- Weather tendency arrow indicator.
- Temperature transmitter operates via 433MHz frequency signal.
- Low battery indicator
- Table standing or wall mountable (detachable table stand).

#### SETTING UP:



Please follow these steps to ensure that the new Weather Station and temperature transmitter work correctly together:

1. First, slide the battery cover open on the transmitter as indicated above.
2. Checking the correct polarization insert 2 x AAA, IEC LR3, 1.5V batteries into the battery compartment and replace the battery cover.
3. Within 3 minutes of the above step (2), flip open the battery cover at the back of the Weather Station as indicated above.
4. Checking the correct polarization, insert 2 x AAA, IEC LR3, 1.5V batteries into the battery compartment and replace the battery cover.
5. Now fix the stand onto the base of the Weather Station and place onto a flat surface.
6. Your Weather Station is now set up and should be positioned in the desired place (see **Positioning & Securing** below)

#### Note:

When replacing battery covers ensure that the batteries do not spring free from the contacts otherwise transmission start up problems may occur.

Should inserting the batteries into the Weather Station take longer than 2 minutes from the time of inserting the batteries into the transmitter, 433 MHz signal reception problems may occur. Should this happen reset both units (see **Resetting** below).

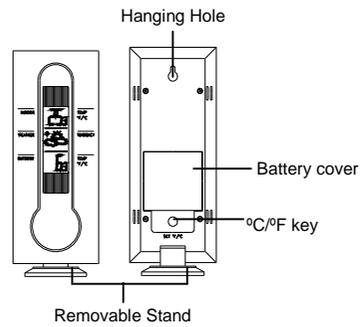
## 433MHz WIRELESS WEATHER STATION

Instructions manual

### INTRODUCTION:

Congratulations on purchasing the Wireless Weather Station for up to the minute temperature and weather readings as an example of fine design and quality piece of engineering. The Weather Station displays the indoor and outdoor temperatures and features the weather forecast. To enjoy the full benefits of all the features of this innovative product, please read this operating manual.

### WEATHER STATION:



### TEMPERATURE TRANSMITTER:

