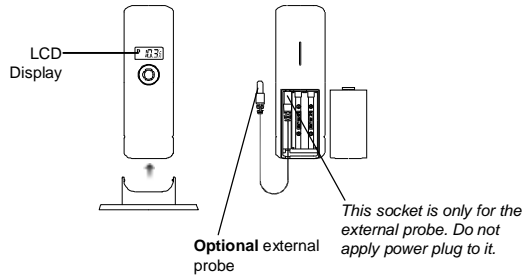


## 868MHz Outdoor Temperature Transmitter for use with the Temperature Station

Congratulations on purchasing this optional 868MHz Outdoor Temperature Transmitter with LCD Display for use with the Temperature Station. Please read the following information to ensure that this transmitter works correctly.



### Outdoor dual channel Temperature Transmitter



#### Features of the Outdoor dual channel Temperature Transmitter\*:

- Remote transmission of outdoor data to Temperature Station by 868 MHz
- Dual channel transmitter\*: one internal channel and one optional probe channel
- Shower proof casing
- Wall mountable or table standing
- Mounting at a sheltered place. Avoid direct rain and sunshine

#### \*DUAL CHANNEL TRANSMITTER -

There is an internal channel and an external probe channel in the transmitter. The data measured by the internal sensor and the measuring probe will be shown on the transmitter's display as Channel "1" and "2" respectively. The two readings will be automatically toggled to display. However, if the probe is unplugged, the transmitter's display will only show the reading from the inner transmitter. Once the transmitter is successfully recognized by the temperature station, Channel 1 of the Temperature station will display the temperature data measured by internal sensor and Channel 2 will display the temperature estimated by the probe. If the measuring probe is unplugged, the "probe channel" on Temperature station will show "----", yet the data from the internal transmitter will still be shown on Channel 1. The probe can be connected to the remote temperature transmitter anytime after initial setup. There is no need to reset the units, should the probe be unplugged or re-plugged again. The Temperature Station will automatically detect the temperature probe data and will display the temperature data on Channel 2 after the probe is plugged.

#### SETTING UP:

##### When one transmitter is used:

1. First, insert the batteries into the transmitter (see "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. Once the batteries are in place, all segments of the LCD will light up briefly. Then the indoor temperature and the time as 0:00 will be displayed on the temperature station. If they are not shown on 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.
4. If the optional probe has been plugged to the dual channel transmitter, the outdoor temperature should then be displayed on the Temperature Station on channel 1 and 2. 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.

#### Note:

Channel 1 will show the reading from the internal sensor of the dual channel transmitter; Channel 2 will show the reading sensed by the probe. If the probe is not plugged to the transmitter, " - " will be shown on Channel 2.

In order to ensure sufficient 868 MHz transmission, the final position between the Temperature Station and the transmitter should not be more than 100 meters (see notes on "Positioning" and "868 MHz Reception").

#### When two transmitters are used

1. User shall remove all the batteries from the Temperature Station and transmitters and wait 60 seconds (if setting has been done with one transmitter before).
2. Insert the batteries into the first transmitter.
3. Within 30 seconds of powering up the first transmitter, insert the batteries into the Temperature Station. Once the batteries are in place, all segments of the LCD will light up briefly. Then the indoor temperature and the time as 0:00 will be displayed on the temperature station. If they are not shown on the LCD after 60 seconds, remove the batteries and wait for at least 60 seconds before reinserting them.
4. The outdoor temperature readings from the first transmitter (Channel 1 and 2) should then be displayed on the Temperature Station (if probe sensor has been installed onto the first transmitter). 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 into the second transmitter as soon as the outdoor temperatures from the first transmitter are displayed on the Temperature Station.
6. The outdoor temperature reading from the second transmitter will be shown on the LCD and the Channel No. will shift back to "1", indicating that all three channels are running successfully. If this does not happen after 2 minutes, the batteries will need to be removed from all the units and reset from step 1.

**Note:** User must insert the batteries into the second transmitter within 20 seconds of reception of the first transmitter.

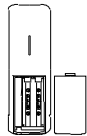
**Note:** After the Temperature Station has successfully received the second transmitter, Channel 3 will display the data measured by the internal sensor of the second dual channel transmitter. Yet the probe data from the second transmitter will not be displayed on the Temperature Station.

#### IMPORTANT:

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

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

The Temperature Transmitter uses 2 x AAA, IEC LR3, 1.5V battery. 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.**

#### 868MHz Signal Reception

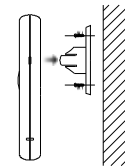
If the outdoor temperature is not received within three minutes after setting up, the display will show " - - °C" on the outdoor temperature section of the receiver, please check the following points:

1. Distance transmitters at least 2 meters away from any interfering sources such as computer monitors or TV sets.
2. Avoid placing the temperature transmitter onto or in the immediate proximity of metal window frames.
3. Using other electrical products such as headphones or speakers operating on the 868MHz frequency may prevent reception of the transmitted data. Interference can also be caused by neighbours using similar electrical devices.

#### 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 positioned on a flat surface by securing the stand to the bottom of 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	:	-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
Transmission interval	:	every 4 seconds	
Transmission range	:	100 m max	
Power Sources	:	2 x AAA, IEC LR3, 1.5V	
Battery life	:	12 months	
Dimensions (L x W x H)	:	41 x 19 x 128 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 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.