

WIRELESS 868 MHz TEMPERATURE STATION

Instruction Manual

Cat. No. 30.3016.01.IT / 30.3016.13.IT

Thank you for choosing this wireless temperature station from TFA.

BEFORE YOU USE IT

Please be sure to read the instruction manual carefully.

This information will help you to familiarise yourself with your new device, learn all of its functions and parts, find out important details about its first use and how to operate it, and get advice in the event of faults.

Following the instruction manual for use will prevent damage to the device and loss of your statutory rights arising from defects due to incorrect use.

We shall not be liable for any damage occurring as a result of not following these instructions.

Please take particular note of the safety advice!
Please look after this manual for future reference.

SCOPE OF SUPPLY:

- Temperature station (basic unit)
- Outdoor transmitter
- Instruction manual

**FIELD OF OPERATION AND ALL OF THE BENEFITS OF YOUR NEW
TEMPERATURE STATION AT A GLANCE:**

- Time display (hour, minutes, seconds)
- 12/24 hour time format
- Calendar display (month, date, weekday)
- Time zone option ± 12 hours
- Temperature display in Celsius ($^{\circ}\text{C}$) or Fahrenheit ($^{\circ}\text{F}$) selectable

- Indoor and outdoor temperature display with MIN/MAX records
- All MIN/MAX recordings can be reset
- Wireless transmission at 868 MHz
- Signal reception intervals at 4-second
- Low battery indicator
- Table standing or wall mountable

FOR YOUR SAFETY:

- The product is exclusively intended for the field of application described above. The product should only be used as described within these instructions.
- Unauthorised repairs, modifications or changes to the product are prohibited.
- The product is not to be used for medical purpose or for public information, but is intended solely for home use.



Caution!
Risk of injury:

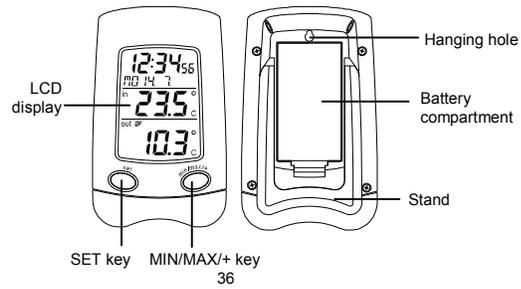
- Keep this instrument and the batteries out of reach of children.
- Batteries must not be thrown into the fire, short-circuited, taken apart or recharged. Risk of explosion!
- Batteries contain harmful acids. Low batteries should be changed as soon as possible to prevent damage caused by a leaking battery. Never use a combination of old and new batteries together or batteries of different types. Wear chemical-resistant protective gloves and glasses when handling leaked batteries.

! Important information on product safety!

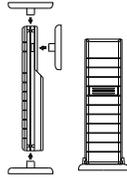
- Do not expose the instrument to extreme temperatures, vibration or shock.
- The outdoor transmitter is protected against splash water, but is not watertight. Choose a shady and dry position for the transmitter.

ELEMENTS

The temperature station



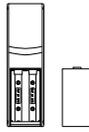
The outdoor temperature transmitter



- Remote transmission of outdoor temperature to temperature station by 868MHz
- Weather-resistant casing
- Wall mounting case
- Mount in a sheltered place. Avoid direct rain and sunshine

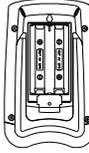
INSTALL AND REPLACE BATTERIES IN THE TEMPERATURE TRANSMITTER

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



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

INSTALL AND REPLACE BATTERIES IN THE TEMPERATURE STATION



The temperature 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 temperature station.
2. Insert batteries observing the correct polarity (see marking).
3. Replace compartment cover.

Battery replacement

- Replace the batteries when the battery symbol of the temperature station appears near the indoor temperature display.
- When the batteries of the transmitter are used up, the low battery icon appears near the outdoor temperature display.

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 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.

SETTING UP:

Note: This temperature station receives only one outdoor transmitter.

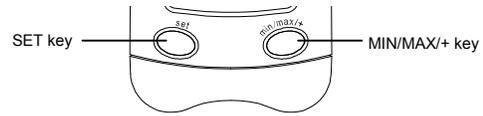
1. First, insert the batteries into the transmitter. (see "Install and replace batteries in the temperature transmitter").

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 0:00 will be displayed and indoor temperature. 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 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 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 temperature station and the transmitter (see notes on "**Mounting**" and "**868 MHz reception**").

FUNCTION KEYS:

Temperature station:

There are two easy-to-use function keys in the temperature station:



SET key

- Press and hold for about 3 seconds to enter the Manual setting modes: manual time, year, date, month, weekday, 12/24 hour time format, time zone, and temperature settings.

- Press and hold to reset the indoor and outdoor MIN/MAX temperature records

MIN/MAX/+ key

- To make adjustments for various settings in manual setting modes
- To toggle between the MIN/MAX readings of indoor/ outdoor temperature

LCD SCREEN AND SETTINGS



* When the signal is successfully received by the temperature station, the outdoor transmission icon will be switched on. (If not successful, the icon will not be shown on LCD). The user can then 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.

MANUAL SETTING

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

- Manual time
- Calendar
- 12/24 hour time display
- Time zone
- Time reception ON/OFF (DCF ON/OFF)
- Temperature unit °C/°F setting

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

MANUAL TIME SETTING

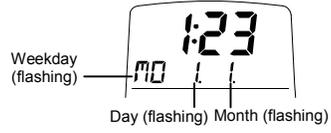
Please proceed the following setting steps at the first time before using the Temperature Station.



1. The hour digit in the time section starts flashing. Use the MIN/MAX/+ key to set the hour.
2. Press the SET key to enter the minutes. The minute digits start flashing.
3. Use the MIN/MAX/+ key to set the minute.
4. Press again the SET key to confirm and enter the **Calendar setting** mode.

CALENDAR SETTING

The date default of the temperature station is 1. 1. in the year 2008.



1. The year digits will start flashing. Use the MIN/MAX/+ key to set the year (2008 to 2029).
2. Press the SET key to enter the month (the month digit will be flashing). Use MIN/MAX/+ key to adjust the month.
3. Then press the SET key to enter the day. Use MIN/MAX/+ key to adjust the day.
4. Press the SET key to enter the weekday (the weekday digit will be flashing). Use MIN/MAX/+ key to adjust the weekday.
5. Press the SET key to confirm and enter the **12/24 hour time display** mode.

12/24 HOUR TIME DISPLAY SETTING

To set the time format to 12h or 24h display mode (default 24h):

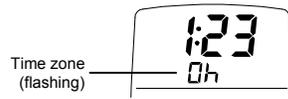


1. Use the MIN/MAX/+ key to select the "12h" or "24h" display mode.
2. Press the SET to confirm and to enter the **Time zone setting** mode.

Note: When 24h mode display is selected, the calendar format will be "Weekday. Day. Month" display. When 12h mode display is selected, the calendar format will be "Weekday. Month. Day" display.

TIME ZONE SETTING

The time zone can be set between ± 12 hours (default 0 hour):



1. The time zone starts flashing.
2. Use the MIN/MAX/+ key to change the time zone. The range runs from 0, -1, -2...-12, 12, 11, 10... 2, 1, 0, in consecutive 1-hour intervals.
3. Press the SET key to confirm and enter the **Time reception ON/OFF setting mode**.

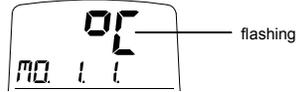
TIME RECEPTION ON/OFF SETTING

Important:

The time reception ON/OFF setting in this temperature station will not have any effect in this unit performance. This feature is only available in enhance model with DCF- radio controlled time function. Simply press the SET key to skip this setting and enter the °C/°F Temperature unit setting.

°C/°F TEMPERATURE UNIT SETTING

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

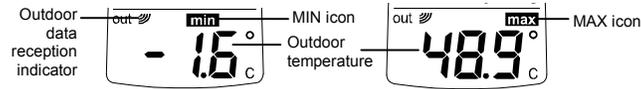


1. The "°C" or "°F" will be flashing, use the MIN/MAX/+ key to toggle between "°C" and "°F".

2. Confirm with the SET key and exit the manual setting modes.

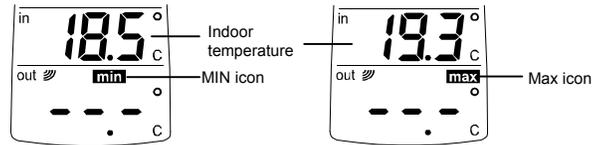
CHECKING THE MIN/ MAX TEMPERATURES

1. In normal mode display, press the MIN/MAX/+ key to display the outdoor MIN display and the time and date of record.
2. Press the MIN/MAX/+ key a second time to show the outdoor MAX display and the time and date of record.



3. Press the MIN/MAX/+ key a third time to show the indoor MIN display and the time and date of record.

4. Press again the MIN/MAX/+ key once to display the indoor MAX display and the time and date of record.



5. Press the MIN/MAX/+ to return to current indoor and outdoor temperature display.

RESETTING THE MIN/ MAX TEMPERATURE

Note: The reset of all the indoor and outdoor MIN/MAX records will be at the same time.

1. Press the MIN/MAX/+ key once in normal mode.
2. Press the SET key. This will reset both the MIN/MAX indoor and outdoor temperature data to the current temperature data.

OUTDOOR TRANSMITTER

The range of the temperature transmitter may be affected by the temperature. At cold temperatures the transmitting distance may be decreased. Please bear this in mind when placing the transmitter.

868 MHz RECEPTION:

The temperature station should receive the temperature data within 2 minutes after set-up. If the temperature data is not received 2 minutes after setting up (the outdoor display shows "--"), please check the following points:

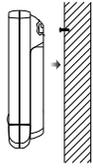
1. The distance of the temperature station or transmitter should be at least 1.5 to 2 meters away from any interfering sources such as computer monitors or TV sets.

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 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 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**).

POSITIONING THE TEMPERATURE STATION:



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.

Wall mount

1. Fix a screw (not supplied) into the desired wall, leaving the head extended out the by about 5mm.
2. Fold in the stand of the temperature station and hang the station onto the screw.
3. Remember to ensure that it locks into place before releasing.

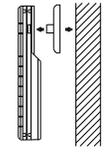
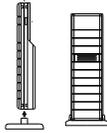


Free standing

With the foldout stand, the temperature station can be placed onto any flat surface.

POSITIONING OUTDOOR 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 of the transmitter.



To wall mount:

1. Secure the bracket onto a desired wall using the screws and plastic anchors.
2. Clip the remote temperature sensor 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

- Clean the instrument and the transmitter with a soft damp cloth. Do not use solvents or scouring agents. Protect from moisture.
- Remove the batteries if you do not use the product for a lengthy period.

MALFUNCTION

Problems	Troubleshooting
No indication on the temperature station	<ul style="list-style-type: none">• Ensure batteries polarity are correct• Change batteries
No transmitter reception	<ul style="list-style-type: none">• Check batteries of external transmitter (do not use

Display "---"	rechargeable batteries) <ul style="list-style-type: none">• Restart the transmitter and temperature station as per the manual• Choose another place for the transmitter and/or the temperature station• Reduce the distance between the transmitter and the temperature station• Check if there is any source of interference
Incorrect display	<ul style="list-style-type: none">• Change batteries

WASTE DISPOSAL

This product has been manufactured using high-grade materials and components which can be recycled and reused.



Never throw flat batteries and rechargeable batteries in household waste. As a consumer, you are legally required to take them to your retail store or to appropriate collection sites according to national or local regulations in order to protect the environment.
The symbols for the heavy metals contained are: Cd=cadmium, Hg=mercury, Pb=lead



This instrument is labelled in accordance with the EU Waste Electrical and Electronic Equipment Directive (WEEE). Please do not dispose of this product with other household waste. The user is obligated to take end-of-life devices to a designated collection point for the disposal of electrical and electronic equipment, in order to ensure environmentally-compatible disposal.



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)

Indoor Temperature checking interval : every 16 seconds

Outdoor Temperature reception : every 4 seconds

Power consumption:

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

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

Battery life cycle : approximately 24 months

(Alkaline batteries recommended)

Dimensions (L x W x H):

Temperature Station : 70 x 29 x 115.2 mm
Outdoor Temperature Transmitter : 38.2 x 21.2 x 128.3 mm

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DECLARATION OF CONFORMITY

Herewith we declare, that this wireless transmission device does comply with the essentials requirements of R&TTE Directive 1999/5/EC.

A copy of the signed and dated Declaration of Conformity is available on request via info@tfa-dostmann.de.

www.tfa-dostmann.de

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