TFA

Personal Meteo Centre with Wireless Thermo-Hygrometer

Kat. Nr. 35.1127

METEOTIME

Thank you for choosing this instrument from TFA.
Before you start using it
Please make sure to read the instruction manual carefully.
This information will help you to familiarise yourself with your new device, to learn all of its functions and parts, to find out important details about its first use and how to operate it, and to get advice in the event of faults.
Following and respecting the instructions in your manual will prevent damage to your instrument and loss of your statutory rights arising from defects due to incorrect use.
We shall not he liable for any damage occurring as a result of non following of these instructions. Likewise, we take no responsibility for any incorrect readings and for any consequences which may result from them.

Please take particular note of the safety advice!
Please keep this instruction manual for future reference.

The **Meteotime Weather Forecast Center** provides a professional weather forecast for the current and the next three days. The weather forecasts are made by professional meteorologists and are sent out with the radio-time signal generator DCF77 in Germany and can be received in almost all of Europe. The reception area for the radio-time signal generator is divided into a total of 90 meteorological regions (60 regions with 4 day forecast, 30 regions with 2 day forecast). The desired city is simply selected and the respectively current weather forecast for the region is shown on the display. This gives you a quick overview of the weather situation for the following days at any time. Updating the weather data is done every day.

This weather station allows the reception of weather data of the private provider Meteotime via DCF without time limit and additional costs.

Meteotime is responsible for the dispatch and the correctness of the transmitted data.
60 regions with 4 days forecast (390 cities)
30 regions with 2 days forecast (80 cities)

Scope of delivery:
• Weather station (basic station)
• Outdoor transmitter
• Instruction manual
• Batteries

Field of operation and all the benefits of your new instrument at a glance
• Weather status for today and coming three days for 470 cities
• Rain/snow/hail probability
• Wind speed and wind direction
• 3 channel outdoor 433MHz wireless thermo-hygrometer (channel 1 sensor is included, additional sensors are required for channels 2 and 3)
• Indoor thermo-hygrometer
• Maximum and minimum memories of temperature and humidity readings
• Temperature and humidity trends (UP/ FLAT/ DOWN)
• Temperature unit in degree C
• Regional day-time temperature and night-time temperature information
• 7-languages abbreviation (English/ Spanish/French/Italian/Dutch/Swedish/German)
• Critical weather alert
• Maximum of 5 cities' weather information can be selected and displayed
• Personalized a place name / city
• Radio-controlled clock and calendar (24 hours format only)
• Time-zone setting
• Dual alarm (weekday alarm/single alarm will be sounded for 2 minutes)
• Programmable pre- alarm for outdoor sensor (Channel 1 only)
• Battery low indicator for main unit and wireless sensor
• Powered by 2 x AA batteries for main unit, and 2 x AAA batteries for the outdoor sensor

For your safety:
• This product is exclusively intended for the field of application described above. It should only be used as described within these instructions.
• Unauthorised repairs, modifications, calibrations or changes to the product are prohibited.
• This product is not be used for medical purpose or for public information, it is only intended for home use.

⚠️ **Caution!**
Risk of injury:
• Keep this instrument and the batteries out of the reach of children.
• Batteries must not be thrown into a 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.
• Never use a combination of old and new batteries together, or batteries of different types. Wear chemical-resistant protective gloves and safety glasses when handling leaking batteries.
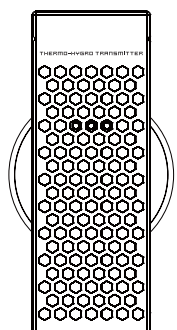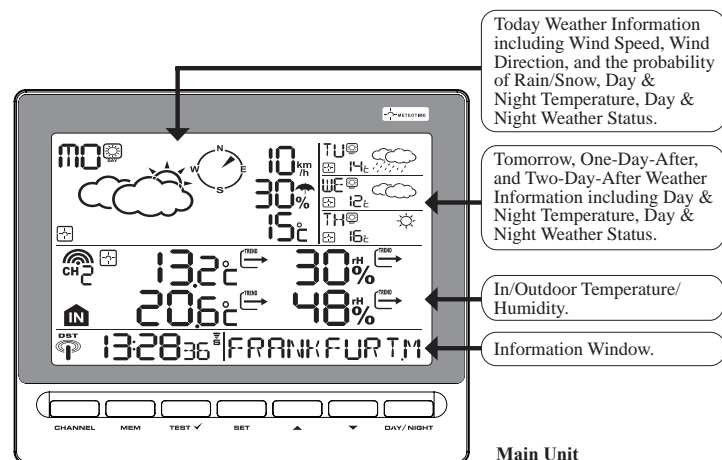
! Important information on product safety!
• Do not place your product near extreme temperatures, vibrations or shocks.
• The outdoor transmitter is protected against splash water, but is not watertight. Choose a shady and dry position for the transmitter.

INTRODUCTION
The Meteotime weather station LCD display shows:
• Today weather information window
• In/outdoor temperature and humidity
• Tomorrow, one-day-after and two-day-after weather Information
• Information window which shows: Date, alarm time, cities, and critical weather information description

Today Weather Information including Wind Speed, Wind Direction, and the probability of Rain/Snow, Day & Night Temperature, Day & Night Weather Status.

Tomorrow, One-Day-After, and Two-Day-After Weather Information including Day & Night Temperature, Day & Night Weather Status.

In/Outdoor Temperature/ Humidity.

Information Window.

Main Unit

Remote Thermo-Hygrometer

There are total 7 buttons on the main unit, namely:

SET
• Selected City ➡ Date ➡ Weekday Alarm "OFF W-ALM" ➡ Single alarm "OFF S-ALM" ➡ Pre-Alarm"OFF P-ALM"
• Press and hold [SET] for 3 seconds to select your <1> Country, <2> Time Zone, <3> Language, <4>Exit to city display mode

DAY/NIGHT
• Critical weather information ➡ Day/Night weather status change
• Read the critical weather information one by one.

▲
• Increasing the value during setting
• Turn ON the alarm
• Press and hold for 3 seconds to enforce a radio controlled clock DCF signal search
• Switch to next day's weather information

▼
• Decreasing the value during setting
• Choose one of the pre-selected cities
• Turn OFF the alarm
• Press and hold for 3 seconds to enforce a wireless RF signal search from remote sensor

MEM
• Display the maximum and minimum measured temperature and humidity readings in record
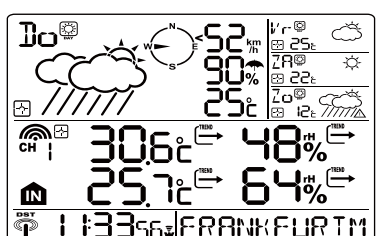• Press and hold for 3 seconds to clear all the Max. and Min. records

TEST √
• Find the place for the device which has a good reception
• Add the city into the list of your desired cities
    OR
• Remove the city out of the list of desired cities
• Edit your home town

CHANNEL
• Switch to read outdoor temperature and humidity readings of channels 1, 2 and 3
• Press and hold the button for 3 seconds to enter into auto circulation display mode "↺"
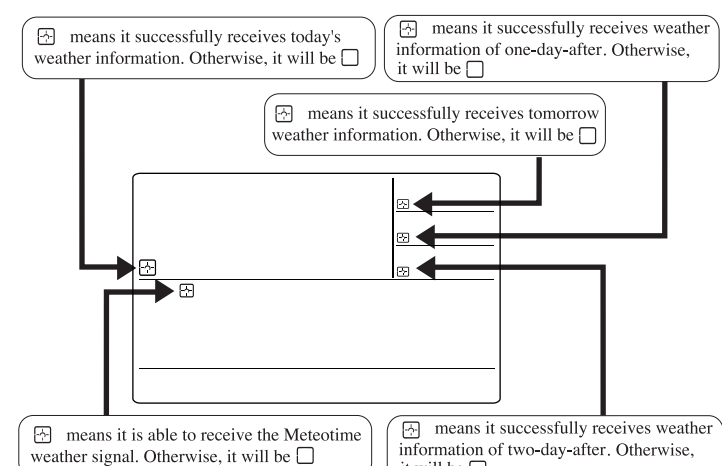

GETTING STARTED
• Open the battery compartment of the outdoor transmitter and the basic station.
• Remove each battery insulation strips.

• The time and date signal will be received after a few minutes. Since there is a large amount of weather information for all regions and days, the unit needs about 24 hours from the time of the initial setup to complete the reception of all data.
• After the time and date signal is being received successfully, it shows "SELECT COUNTY" and then "FRANKFURT" as default city in the information window.
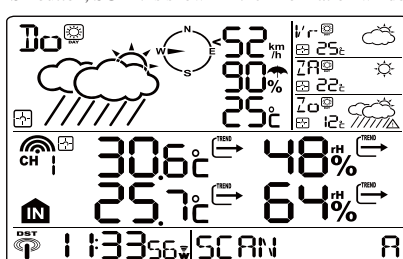To change the country and the city please see the information below.
• If the unit is able to receive the Meteotime signal successfully, the Meteotime icon 🌐 appears in the second row of the display. Otherwise, the Meteotime icon will be ▢.

▢ means it successfully receives today's weather information. Otherwise, it will be ▢

▢ means it successfully receives weather information of one-day-after. Otherwise, it will be ▢

▢ means it successfully receives tomorrow weather information. Otherwise, it will be ▢

▢ means it is able to receive the Meteotime weather signal. Otherwise, it will be ▢

▢ means it successfully receives weather information of two-days-after. Otherwise, it will be ▢

The event the Meteotime icon change to ▢, that means there are potential sources of interference on the unit. The sources of interference may come from the electronics equipment such as TV-set, computers, household machines etc. It may also be due to lots of concrete, metal parts and electrical equipment in the building. It may also be due to your living area if it is very far away from the radio-controlled clock tower.

You are able to use the **TEST** function to look for a better location
• Press TEST button, **SCAN** is shown in the information window.

• Pick the unit to find a good location.
• ▢ flashing: The test is running and the Meteotime signal reception is good. You are able to leave the device in this position.
  ▢ flashing: The test is running and the Meteotime signal reception is poor. You need to keep on looking for a better location.
• The test lasted for around 1 minute. You can restart the test with the [TEST] button at any time, and also discontinue the test by pressing the [TEST] button.
• Scan: the signal strength will be represented from 1 (very bad) to 9 (very good).

SWITCH CITY ⟷ DATE ⟷ ALARM
• After removing of the battery insulation strips, the weather station searches for the radio controlled time signal as well as the Meteotime signal. After it has successfully received the Meteotime signal, the display shows in the information windows the default city "FRANKFURTM".
• You are able to press [SET] to switch from the display of the city to date, weekday alarm, single alarm and pre-alarm.

FRANKFURTM ⟷[SET] 1 1 ⟷[SET] OFF W-ALM
⟷[SET] OFF S-ALM ⟷[SET] OFF P-ALM

SELECT THE COUNTRY AND CITY / CITIES
• Press and hold [**SET**] button for 3 seconds , in the information window, COUNTRY is shown, and then press [▲] or [▼] button to select the country. For example, if you see in the information window],/GER , that means you have selected "Germany".
• Press [**SET**] button to confirm the country. Assuming you have selected Germany, then the information window will show CITY.
• Then, press [▲] or [▼] button to select the city, and the city name will be shown in the information window. Example: FRANKFURTM means the city 'Frankfurt am Main'.
• Press [**SET**] button to accept the setting. From now on, the selected city will be shown in the information window.

ACTIVE FAVOURITES
Once you have set your city as described above, you may select more cities for easy access. Instead of terminating the setting with the [**SET**] button, you continue as follows:
• If 'Frankfurt am Main' is your selection as one of your favorite cities, then press [**TEST** √] button to confirm. A √ will be shown on top of your selected city, and it will be stored into your personal memory list.
• Now, you may press [▲] or [▼] button to select more cities in the same country, and then press [**TEST** √] button to confirm.
• If you wish to select cities from different countries, you have to exit the setting with [**SET**] button and re-enter it again as described above in order to change the country.
• You may select maximum FIVE cities as favourites. If you want to add more cities, then MEMFULL will be shown in the information window.

When all settings are done, press [**SET**] button to confirm and exit the setting mode.

REMARK: If after inserting the batteries for the first time, you are skipping the city selection, the product will select by default "Frankfurt am Main" as your selected city.

DISPLAY OF FAVOURITES
If you have selected more than one city as favourite, as an example "Frankfurt am Main", "Paris" and "Stockholm", then you are able to scroll through these cities by pressing [▼] button when the information window shows the CITY NAME (Press SET button until it shows the city name).

FRANKFURTM ←|▼|→ PARIS ←|▼|→ STOCKHOLM

REMOVE A CITY FROM THE LIST OF FAVOURITE
• Press and hold [**SET**] button for 3 seconds. COUNTRY is shown in the information window, then press [▲] or [▼] button to select the country.
• Press [**SET**] button to confirm the country.
• Then, press [▲] or [▼] button to go to your selected city with the √
• Press [**TEST** √] button to remove the √. Now this city is removed from the favourites.
• Repeat this if you wish to remove more cities from your list
• Now, you may also press [▲] or [▼] button to select another favourite city.

Once you have made all you changes, press [**SET**] button to quit. EXIT will be shown in the information window. After 4 seconds, it will go to the City-Date-Time Mode.

PERSONALIZED A PLACE NAME
• Press and hold [**SET**] button for 3 seconds. In the information window. COUNTRY is shown, and then press [▲] or [▼] button to select the country. For example, if you see in the information window],/GER , that means you have selected "Germany".
• Press [**SET**] button to confirm the country. Assuming you have selected Germany, then the information window will show CITY.
• Then, press [▲] or [▼] button to select the city, and the city name will be shown in the information window. Example: FRANKFURTM means the city 'Frankfurt am Main'.
• Press the [**MEM**] button ; a *cursor flashes* on the first position of the information window

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Then, please apply the following input commands:

Button	Function
'▲' or '▼'	Selection of a letter
SET	<1> Accept the selected letter and jumps to the next position. OR <2> If you have not entered any letter (in other words, if only the cursor is flashing at the last position), confirm the entry with this button and your place will also be included in the memory with immediate effect
TEST	One position back in the data entry process

** The place that you have selected to enter your own description will still exist under its own name.
• Press [**SET**] button to confirm and exit

SET THE TIME ZONE AND LANGUAGES
• Press and hold [**SET**] button for 3 seconds, COUNTRY is shown in the information window.
• Press [**SET**] button again, then ZONE ¥00HR is shown in the information window, press [▲] or [▼] button to adjust the time zone.
• Press [**SET**] button again, then the LANGUAGE will be shown in the information window, press [▲] or [▼] button to select your desired language. There are total seven languages for selection, namely German, English, Spanish, French, Italian, Dutch, Swedish
• Press [**SET**] button on last time, EXIT will be shown in the information window. After 4 seconds, it will change to the City-Date-Time Mode

Remark: If you do not have any selection into the setup mode up to 30 seconds, it will automatically exit the setup mode. The information window will show city/ date & alarm

SWITCH TO NEXT DAY'S WEATHER INFORMATION
For each press of the UP [▲] button, the user can switch and view the weather information from today to tomorrow, one-day-after and two-day-after.

Today's weather information:

↓ UP [▲]

Tomorrow's weather information:

↓ UP [▲]

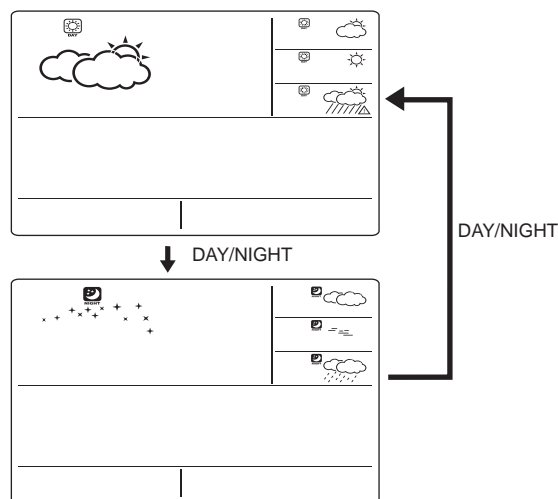One-day-after's weather information:

↓ UP [▲]

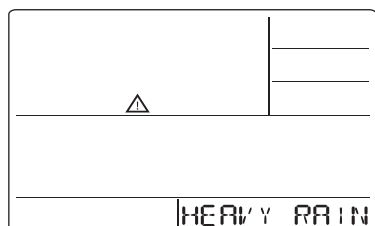Two-day-after's weather information:

UP [▲]

SWITCH DAY WEATHER INFORMATION ⟷ NIGHT WEATHER INFORMATION
The device is able to automatically switch to DAY-WEATHER and NIGHT-WEATHER respectively. The user can press the [**DAY/NIGHT**] button to see the DAY-WEATHER (for 10-second period) if currently show the NIGHT-WEATHER, or vice versa.
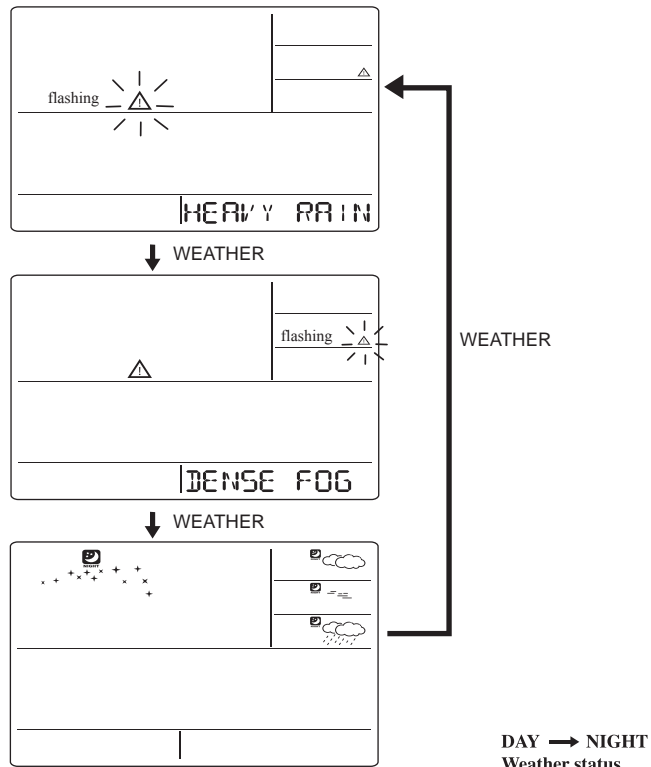

↓ DAY/NIGHT

DAY/NIGHT

CRITICAL WEATHER INFORMATION
Meteotime weather signal contains the critical weather information such as: Gust, frozen, rain, heavy snow, thunder, strong UV, dense fog, bise, mistral, etc. for today and coming three days. A critical weather alert signal △ will be turned on in case that day has critical weather that the user must know.

HEAVY RAIN

Sometimes there is more than one critical weather information in the 4-days.
Press [**DAY/NIGHT**] button to read the critical weather information one by one. The special icon of the day will be flashed when you read the Information.
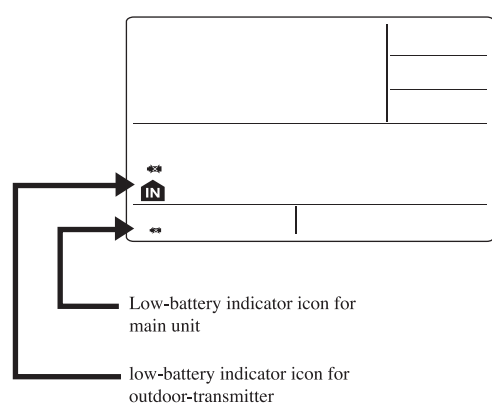
flashing

HEAVY RAIN

↓ WEATHER

flashing

DENSE FOG

↓ WEATHER

WEATHER

DAY ⟶ NIGHT
Weather status

• Press [**SET**] button to go back to the display of CITY ⟷ DATE ⟷ WEEKDAY ALARM ⟷ SINGLE ALARM ⟷ PRE-ALARM. If you would like to read the weather information in the information window, then press [**DAY/NIGHT**] button to display Day ⟷ Night weather information and also the critical weather information.

If no button is pressed, the critical weather information will be displayed, so as to make sure you are aware of the critical weather details.

LOW BATTERY INDICATION
When it is time to replace batteries, the respective low-battery indicator (see graphics) will appear next to the weather forecast for the display unit or next to the outdoor temperature for the outside sensor.

Low-battery indicator icon for main unit

low-battery indicator icon for outdoor-transmitter

WEATHER STATUS
There are total 15 weather statuses for day and 15 weather statuses for night.

Significance	Day	Night	Significance	Day	Night
Sunny (Clear at night)			Heavy Rain		
Light Cloudy			Frontal Storms		
Mostly Cloudy			Heat Storms		
Overcast			Sleet Showers		
Status Clouds			Snow Showers		
Fog			Sleet		
Showers			Snow		
Light Rain					

REMOTE SENSORS STATUS
The wave icon above the current channel icon shows the connection status of the corresponding remote sensor:

Icon	Status
	Searching for the signals from the remote sensor
	Corresponding remote sensor signal received successfully
	No signals received for over 1 hour

SEARCH FOR REMOTE SENSORS
- The main unit can be manually activated to search for the signals from remote sensors by pressing and holding **DOWN (▼)** button.

VIEWING REMOTE (CHANNEL) TEMPERATURE AND HUMIDITY

Static Display:
- Press [**CHANNEL**] button to select measurements from different remote sensors of channels 1,2, or 3

25.7℃ → 52%rH →

Channel Auto-Scan Display:
- To enable an automatic scan of all channels, press and hold **[CHANNEL]** button, until the icon is displayed. The measurements from each remote channel will be displayed in 5 seconds alternatively.

NOTE: the channel auto-scan feature can be activated only if there **are more than one** remote sensors operating and are set to different channels.

MAXIMUM AND MINIMUM TEMPERATURES
- The maximum and minimum indoor and outdoor temperatures and humidity readings will be automatically stored in the memory of the main unit. Press **[MEM]** button, the respective indicators, **[MAX]** or **[MIN]** will then be displayed.
- To clear the memory, hold **[MEM]** button for 3 seconds. The maximum and minimum temperature records will be erased.

ADDITIONAL OUTDOOR TRANSMITTERS
• The transmitter (Cat. No.: 30.3126) can be used as a replacement or an additional transmitter for your weather station "Metetotime Info".
• For having more than one external transmitter select a different channel (2 or 3) for each transmitter by the switch inside the battery compartment of the transmitter.
• Insert two new batteries 1,5 V AA in the battery compartment of the transmitter. Make sure the battery polarity is correct.
• Press the CHANNEL button on the basic station for a free channel.
• Press and hold the ▼ button on the basic station for three seconds to start the initialization manually.
• The reception symbol will be flashing above the channel number.
• As soon as the outdoor values have been received, the reception symbol will be disappeared and the received outdoor values appear.
• If you have installed more than one transmitter, press the CHANNEL button to change between the canals or show a different canal permanently.
• If more than one transmitter is received, you can also choose an alternating channel display. Press and hold CHANNEL button until the circle symbol appears for alternating channel.
• The outdoor values of the connected transmitter appear alternately.
• To deactivate the function press and hold the CHANNEL button once more and the symbol disappears.

ALARM FEATURE

Weekday Alarm:
- This is a repeat alarm that will be activated daily from Monday to Friday at a set time.

Single Alarm:
- This is a single alarm that will be activated once at a set time.

HOW TO SET ALARM
- Press **[SET]** button to toggle between weekday alarm, single alarm or pre-alarm.
  If the alarm is disarmed, the time will be displayed as "OFF W-ALM"
- Hold **[SET]** button for 3 seconds, the hour digits will be flashing.
- Enter the hour by using **UP [▲]** or **DOWN [▼]** button.
- Press **[SET]** button to confirm, the minute digits will be flashing.
- Enter the hour by using **UP [▲]** or **DOWN [▼]** button.
- Press **[SET]** button to exit and the respective alarm icons [ⓦ] , [ⓢ] and [PRE-AL]will be activated.

HOW TO STOP ALARM
- When alarm is on, the respective alarm icons [ⓦ] and [ⓢ] will be flashing. Press **UP [▲]** or **DOWN [▼]** button to stop the alarm immediately.
- To turn off the alarm, press **UP [▲]** or **DOWN [▼]** button to change the alarm time display as "OFF W-ALM"
- If no button is pressed, the alarm will be sounded for 2 minutes and then deactivated automatically.

SETTING THE ICE WARNING PRE-ALARM (outdoor temperature at transmitter 1 =/< 0°C)
- If weekday (W) or single day (S) alarm is set, the ice warning alarm (Pre-ALM) can be programmed.
- Press and hold [**SET**] button for 3 seconds to enter into the ice warning alarm setting mode "PRE-ALM".
- The number **15** will flash, meaning that if selected, the alarm will be sounded 15 minutes earlier than the weekday or single alarm.
- Select the desired ice warning alarm interval in 15 minutes increments between 15 and 90 minutes by using **UP [▲]** or **DOWN [▼]** button.
- Press [**SET**] button to confirm and exit from the alarm setting mode.

Care and maintenance
• Clean the instruments with a soft damp cloth. Do not use solvents or scouring agents.
• Remove the batteries, if you do not use the product for a lengthy period of time.
• Keep the instrument in a dry place.

Troubleshooting

Problems	Solution
No indication at the weather station	**Ensure that the polarities of all batteries are correct** Change the batteries
No transmitter reception Display "---"	Check batteries of external transmitter (do not use rechargeable batteries!) Restart the outdoor transmitter and the basic station as per the manual Start the manual search for the transmitter Choose another place for the outdoor transmitter and/or the basic station Reduce the distance between the outdoor transmitter and the basic station Check if there is any source of interference. Please note: When the batteries are changed, the contact between transmitter and receiver must be restored – so always insert new batteries into both units or start a manual transmitter search
No DCF reception/no weather forecast	Use the **TEST** function to look for a better location Start the manual search for the DCF signal Wait for attempted reception during the night
Incorrect indication	Change the batteries

Waste disposal
This product has been manufactured using high-grade materials and components which can be recycled and reused.
Never dispose of empty batteries and rechargeable batteries in household waste. As a consumer, you are legally required to take them to your retail store or to an appropriate collection site depending on 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 instrument in 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 SPECIFICATION ON IN/ OUTDOOR TEMPERATURE AND HUMIDITY MEASUREMENT

Temperature range	-40 °C to 70 °C
Temperature resolution	0.1ºC
Temperature operating range (Main Unit)	-5 °C to +50 °C
Temperature operating range (Sensor Unit)	-20 °C to +60 °C
Temperature accuracy	+/-1ºC
Humidity display range	R.H. 1% to 99%
Humidity resolution	1%
Humidity accuracy	+/- 5% (within 25% - 80% at 25 ºC)
RF Transmission Frequency	433Mhz
RF Transmission Range	maximum 30 meters (open area)

Main unit is powered by AA battery x 2pcs.
Outdoor thermo-hygrometer sensor is powered by AAA battery x 2pcs.

TFA Dostmann GmbH & Co. KG, Zum Ottersberg 12, D - -97877 Wertheim
No part of this manual may be reproduced without written consent of TFA Dostmann. The technical data are correct at the time of going to print and may change without prior notice.

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
CE   04/13

IMPORTANT NOTICE
This Radio Controlled Weather Data Receiver is suitable for the reception of weather data emitted by the firm Meteotime. Object of the sales contract is this Radio Controlled Weather Data Receiver including the license for weather data reception. Generation and transmission of weather data as well as liability for the integrity of data solitary rests on the firm Meteotime as private vendor. Detailed information here can be obtained via internet under www. meteotime.com. The reception of data depends on the emission by the firm Meteotime. This Radio Controlled Weather Data Receiver is unsuitable for reception of weather data from any other providers.
• Manufacturer and/ or responsible vendor cannot accept any responsibility for any incorrect readings or any consequences that occur should an incorrect reading take place.
• Manufacturer and/ or responsible vendor do not have any influence on transmitted weather data and prognoses.
• Applicability of this weather station depends on the operational conditions of the transmission media, in which the manufacturer and/ or responsible vendor have no influence. Random failures of the transmission media cannot be for closed (would be "excluded" not be better).
• Weather predictions are being transmitted by the time code sender DCF (Location Germany). With this product provisions have been made to create nearly optimal reception conditions. DCF is long wave transmitters with wide transmission ranges. Nevertheless, interferences are possible. They do not indicate a malfunction of the device.