Wireless Weather Station AMBIENTE 35.1057

Instruction Manual

1. Installation

1.1 Introduction

You have been purchasing a wireless weather station. You can control your room climate (temperature/humidity), measure the outdoor temperature and inform yourself about the local weather trend. The set contents a receiver (display unit) and a transmitter, which are battery operated.

The outdoor data will be transmitted wireless using 433 Mhz up to 30 meters in open space. You can install up to three transmitters and receive temperature information from other rooms (like childrens room, green house, wine cellar, storage rooms…)

To get started you need:

Receiver (Display unit)

Transmitter

Batteries 2 x 1.5 V AA for receiver and 2 x 1.5 V AA for transmitter (included)

Small screwdriver (not included)

Please read this instruction manual carefully and keep it!

1.2 Features:

This weather station has the following functions

- Radio controlled time with manual setting option
- Weather forecast with 5 weather symbols
- Wireless transmission of outdoor temperature 433MHz (up to 3 sensors)
- Measuring range:

  Indoor temperature: 0°C ~ +50°C

  Indoor humidity: 30% ~ 90%

  Outdoor temperature: -50°C ~ +70°C
- Temperature high/low alert function (settable)
- Max/Min memory
- Moon phase and tide display
- Low-battery indicator for Outdoor Remote Sensor
- Perpetual Calendar Up to Year 2069

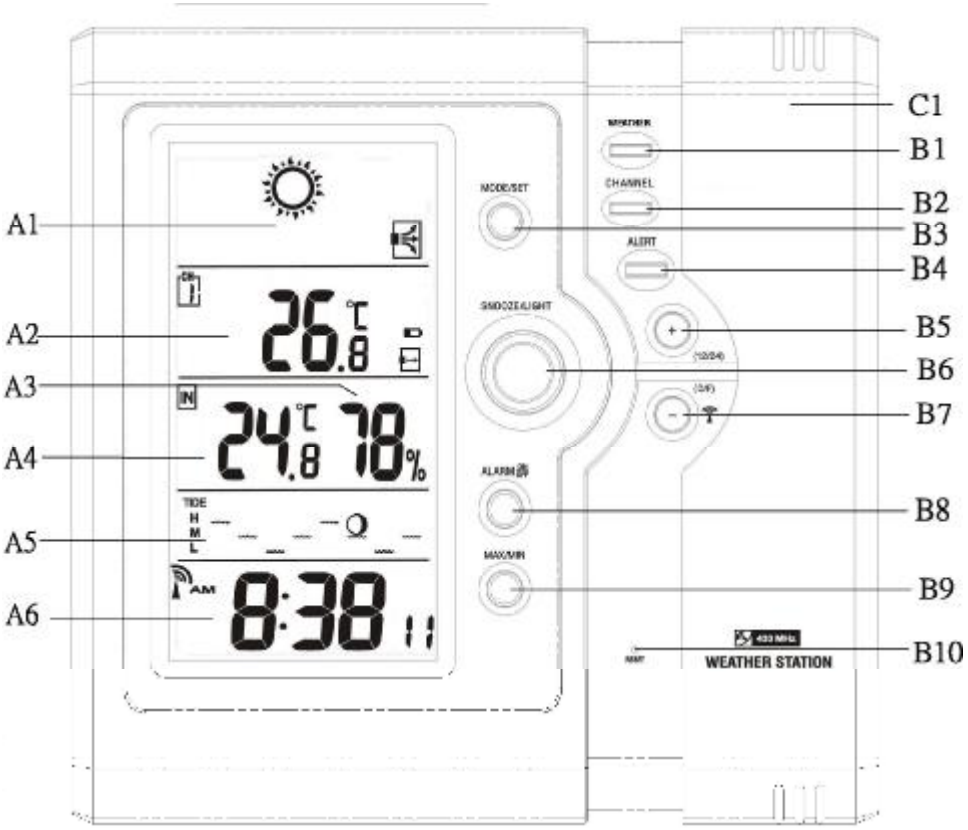
- 12/24Hour time display selectable
- Day of week in 8 Languages Selectable
- Power supply: Receiver DC 1.5 V AA size x 2 pcs
  Transmitter DC 1.5 V AA size x 2 pcs
- Size : 145 x 130 x 22 mm, standing or hanging purpose

Caution: Please participate in the preservation of the environment by properly disposing of used-up batteries and accumulators at designated disposal points.

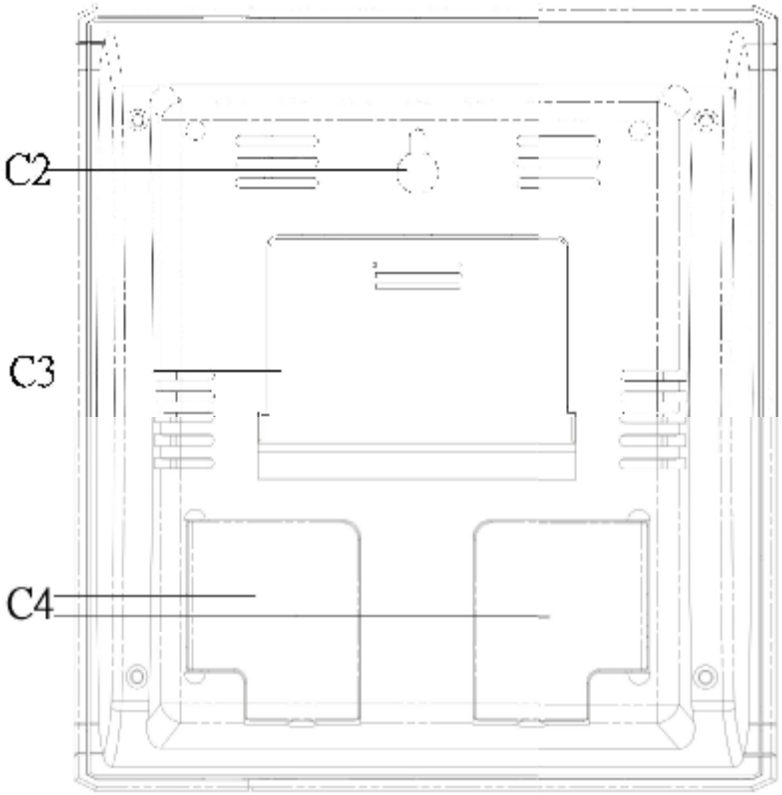
1.3. Get familiar with the instrument

Learn about the details of the instrument.

1.3.1 Receiver (Display unit)



Front View



Back View

LCD:

A1: Weather Forecast A2: Outdoor Temperature
A3: Indoor Humidity A4: Indoor Temperature
A5: Moon Phase/Tide Indicator A6: Radio Controlled Time

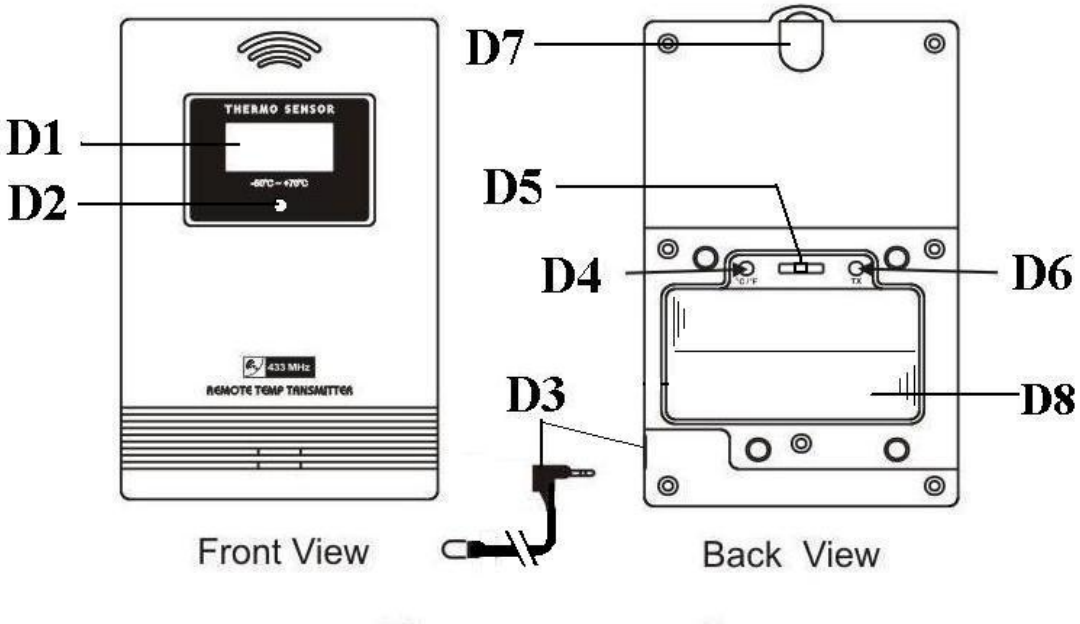
Buttons:

B1: “WEATHER” button B2: “CHANNEL” button B3: “MODE/SET” button B4: “ALERT“ button
B5: “+ (12/24)” button B6: “SNOOZE/LIGHT” button
B7: “- (°C/°F)” button B8: “ALARM ON/OFF” button
B9“MAX/MIN” button B10: “RESET” button

Housing:

C1: Cover C2: Wall Mount Hole
C3: Battery Compartment C4: Stand

1.3.2 Thermo Sensor Unit (Transmitter)



D1: Outdoor Temperature D2: Transmission Indication LED
D3: Temperature Probe D4: "°C/°F" button
D5: Channel Selecting Switch D6: "TX" button
D7: Wall Mount Hole D8: Battery Door

1.4. Getting started

- Open the battery compartment of display unit and transmitter and place both instruments on a desk with a distance of approximately 1.5 meter. Check that no other electronic devices are close. Insert the batteries first into the battery compartment of the display unit and immediately afterwards the batteries of the transmitter, observing the correct polarity.
- The weather symbol indicator (A1) starts flashing. Using the buttons "+" (B5) and "-" (B7) you can set the actual weather of your place. The weather symbol can be set later, without inserting the batteries again (see 1.5.4 Weather symbol setting).
- The display unit automatically starts scanning the RF 433MHz signal to register the Thermo Sensor Unit after batteries are inserted. If the reception of outdoor temperature fails, check the batteries and try it again. Check if there is any source of interference. Manual initialization can be helpful (see 1.5.7 transmitter). The attached transmitter is preset to channel 1. Using channel switch (D5), you can choose another channel as well.
- After scanning the Thermo Sensor Unit the clock will then scan the DCF (radio

controlled clock) frequency signal. “” flashes on the LCD. The signal “” appears permanently when the signal is received successfully.

- The clock automatically scans the time signal at 3.00 a.m. everyday to maintain accurate timing. For failed reception, scanning stops (“” on the LCD disappear) and repeats again at 4.00 a.m. 5.00 a.m. and 6.00 a.m.
- The clock manually scans the time signal by holding “- (°C/°F)” button (B7) for 3 seconds. Press “- (°C/°F)” button (B7) again for 3 seconds to stop scanning when receiving DCF signal.
- Time can be set manually as well (see 1.5.1 Clock setting).

1.5 How to operate

Important:

- Buttons will not function while scanning DCF or outdoor temperature signal unless they are well received or stopped manually.
- During operation, all successful settings will be confirmed by an acoustical signal.
- The instrument will quit the setting mode, if there is no button used within 5 seconds period.
- Holding “+” or “-” buttons, you will enter fast mode.

1.5.1 Manual Time Setting:

- Hold “ MODE” button for 2 seconds. Press “+” or “-” buttons to adjust Hours. Using “ MODE” button you can switch to setting minutes, seconds, year, month/day sequence, month, day, time zone, day-of-week language.
- In “month/day sequence” the two different date displays can be selected: Month/date (American version) or date/month (European version).
- The time zone is used for the countries where the DCF signal can be received but the time zone is different from the German time (e.g. 1=one hour later).
- Languages and their selected abbreviations for each day of the week are shown in the following table:

Language	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
German, GE	SO	MO	DI	MI	DO	FR	SA
English, EN	SU	MO	TU	WE	TH	FR	SA
Russian, RU	BC	NH	BT	CP	HT	NT	CY
Denmark, DA	SO	MA	TI	ON	TO	FR	LO

Dutch, NE	ZO	MA	DI	WO	DO	VR	ZA
Italian, IT	DO	LU	MA	ME	GI	VE	SA
Spanish, ES	DO	LU	MA	MI	JU	VI	SA
French, FR	DI	LU	MA	ME	JE	VE	SA

- The Time Setting Mode will automatically exit in 5 seconds without any adjustment.
- During Daylight Saving Time DST appears on the display.
- Choose 12 HR or 24 HR system by pressing the "+ (12/24)" button (B5).

1.5.2 Snooze Alarm Clock Function:

- Press "MODE" button to select to view Alarm Time:

  Time → Date/Month /Weekday → Alarm Time (" ALM " appears on the LCD)
- When viewing the Alarm Time, hold "MODE" button for 3 seconds to enter Alarm Time setting. Press "+" or "-" buttons to adjust the alarm time. Confirm hours with "MODE" button and switch to minutes setting.
- Press "ALARM" button to switch alarm on or off. If it is on, " " is shown on the LCD. Press any button to stop the alarm.
- Press "SNOOZE" when alarm is sounding to activate snooze alarm. " " is flashing on the LCD. 5 minutes later the alarm will start again.

1.5.3 Maximum/Minimum function:

- Press "MAX/MIN" button to show the maximum (MAX) and minimum (MIN) outdoor temperature, indoor temperature and humidity.
- Hold "MAX/MIN" button for 3 seconds to clear the recorded maximum and minimum reading.

1.5.4 Weather Symbol Setting

- After batteries were inserted, or when holding "WEATHER" button for 3 seconds, the weather symbol flashes (A1) for 5 seconds. Enter the actual weather during this time by pressing "+" or "-" button.
- Press "MODE/SET" button to confirm the setting.
- The weather forecast may be not accurate if the entered weather symbol is incorrect.

1.5.5 Weather Forecast

There are 5 different weather symbols:

 means **Sunny** .

 means **Slightly Cloudy.**

 means **Cloudy.**

 means **Rainy**

 means **Cloudburst.**

There are 3 different symbols for the trend of atmospheric pressure:

 increasing

 steady

 decreasing

The weather forecast relates to a range of 6 to 24 hours and indicates only a general weather trend.

1.5.6 Thermometer:

- Press “-(°C / °F)” button (B7) to select Temperature display in Celsius mode or Fahrenheit mode.
- The trend pointer displayed on the LCD indicates the trend of the outdoor temperature.

There are 3 different symbols for the outdoor temperature trend:

 increasing

 steady

 decreasing

1.5.6.1 Temperature Alert function:

- Press “ALERT” button (B4) to set the Temperature Alert function on or off. “” appears on the LCD if this function is on.
- Hold “ALERT” button for 3 seconds to enter the Alert setting mode. Indoor temperature flashes. Press “+” or “-” button to select indoor or outdoor temperature and the requested channel for the temperature alert. Press ”ALERT” button to confirm the settings. Press “ +” or “-” button to set the upper “” and lower “” limit of the temperature. If you want to select only one value, set the final value as upper or lower limit (Indoor temperature: 0°C ~ +50°C, Outdoor temperature: -50°C ~ +70°C).

1.5.7 Outdoor thermo sensor unit registration procedure:

- The weather station automatically starts receiving the outdoor temperature signal from the Outdoor Thermo Sensor and the Sensor will transmit the temperature to the weather station after new batteries are inserted.
- The batteries compartment of the Thermo Sensor is located behind the back cover. Unscrew it to open. Press “TX” button (D6) on the Thermo Sensor unit to transmit temperature to the weather station manually (e.g. for testing or in case of loss of transmitter signal). The weather station gives a “beep” sound if it received the temperature.
- Press “°C /°F” button (D4) on the Thermo Sensor unit to select Celsius mode or Fahrenheit mode for the Thermo Sensor display.
- Close the battery compartment of transmitter carefully.

1.5.7.1 Additional Transmitters

- The weather station allows you to add up to 3 transmitters. For having more than one external transmitter (maximum3), select the Channel, CH1, CH2 or CH3 to ensure each sensor is transmitting different channels before inserting batteries. The channel select switch (D5) is at the back of the thermo sensor.
- To retrieve different channels at Display Station press “CHANNEL” button (B2) to view the 3 Channels’ temperature. For alternating channel display choose “”

symbol.

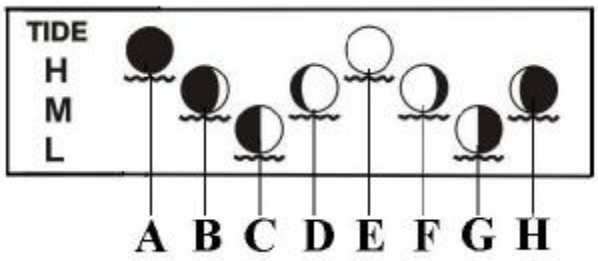
- To cancel an unused channel hold “CHANNEL” button for 3 seconds. If a new channel is received it will be automatically registered again.

1.5.7.2 The use of 1.5m cord Temperature Probe:

- Insert the probe plug on the right hand side of the Thermo Sensor Unit. Put the metal casing outside and leave the Thermo Sensor Unit in an indoor area to avoid freezing up the battery when the outdoor temperature is below -20 °C or when measuring liquids.
- Be aware of sharp edges at window frames when passing cable through.

1.5.8 Moon Phase and Tide Indication

The Moon Phase and tide of each day is shown on the LCD (A5).



A: New Moon	B: Waxing Crescent	C: First Quarter
D: Waxing Gibbous	E: Full Moon	F: Waning Gibbous
G: Last Quarter	H: Waning Crescent	

Tide Status :

H : High Tide	M: Medium Tide	L: Low Tide

1.6 Positioning of Display Unit and Transmitter

- Choose a shady and dry position for transmitter. Place the Display Unit at the final position. Check the transmission of 433 Mhz signal (avoid any interfering field and object). If necessary chose another position for Transmitter and/or Display Unit.
- Fix the transmitter by using plastic hanger.

1.7 Battery Replacement

- When the batteries of the Transmitter are used up, Low battery icon “” appears at the outdoor temperature row (A2) indicating the external transmitter of the channel is in low battery status.
- Use alkaline batteries only. Observe correct polarity.

1.8 Backlight

- Press the SNOOZE/LIGHT button (B6) to light up the display for 5 seconds.

1.9 Notes

- Always read the users manual carefully before operating the Unit.
- If the unit does not work properly use a pin to press the RESET button (B10).
- Avoid placing the clock near interference sources/metal frames such as computer or TV sets.
- Do not expose the instrument to extreme temperatures, vibration or shock.

2.0 Liability Disclaimer

The product is not a toy. Keep it out of reach of children.
The product is not to be used for medical purpose or for public information, but is determined for home use only.
Improper use or unauthorized opening of housing will mean the loss of warranty.

Hereby, TFA declares that this equipment is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
The Declaration of Conformity is available at: info@tfa-dostmann.de

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