Wireless pool thermometer and hygrometer POOL

BEFORE USE
- Please read the following information very carefully.
- This manual will help you familiarize yourself with the new device, all its functions, parts and advise you in case of problems with the device.
- By carefully reading and following the instructions contained in this manual, you will prevent damage or destruction of the device.
- We are not responsible for any damage to the device caused by failure to follow the instructions contained in this manual.
- Pay close attention to the safety instructions.
- Keep the manual for future reference.

PACKAGE CONTENTS
- Basic unit
- Wireless floating pool sensor, wireless air temperature and humidity sensor
- Instructions for use

PROPERTIES
- Displaying the pool water temperature using a wireless floating sensor
- Indoor/outdoor temperature and humidity display. Memory for maximum and minimum values.
- Possibility of expansion to up to 3 wireless temperature and air humidity sensors (max. distance up to 100 m in open space).
- Radio controlled time, alarm clock.
- Indication of low batteries in the base/ transmitter .
- Display backlight.

SAFETY INSTRUCTIONS
- The device should only be used as described in the manual.
- Any unauthorized repairs, modifications or other changes to the device are prohibited.
- The device is not intended for medical purposes or public use, but exclusively for home use.
- Keep the device and batteries out of the reach of children.
- Do not throw batteries into fire, disassemble or recharge them.
- Batteries contain harmful acids and can be dangerous if swallowed. Swallowing the battery can cause severe internal burns and death within 2 hours. If you suspect that the battery may have been swallowed or otherwise entered the body, seek medical attention immediately.
- Replace weak batteries immediately to avoid damage to the device due to battery leakage. If your battery leaks, use protective gloves and goggles when handling it.
- Do not expose the device to extreme temperatures, vibrations or shocks. Protect from high humidity!
- The wireless air temperature and humidity sensor is waterproof, but not waterproof.
- We do not recommend using the floating pool sensor if it is freezing. It may be damaged or destroyed!

DEVICE DESCRIPTION:
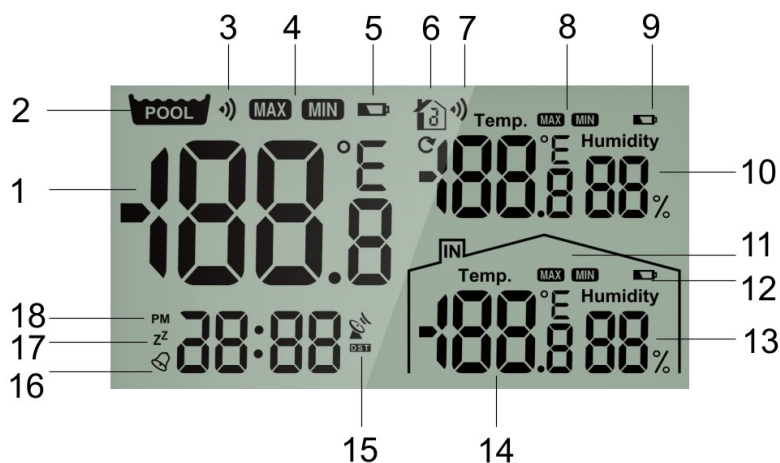
Display:

1. The temperature in the pool
2. Swimming pool symbol
3. Pool sensor signal reception
4. Min-max values of the pool sensor
5. Pool sensor battery symbol
6. Outdoor sensor channel, outdoor sensor automatic switching symbol
7. Outdoor sensor signal reception
8. Min-max values of the outdoor sensor
9. Outdoor sensor battery symbol
10. Outdoor sensor temperature and humidity
11. Internal min-max values
12. Indoor unit battery symbol
13. Indoor humidity
14. Internal temperature
15. DCF Signal Reception Symbol, Daylight Saving Time (DST) Symbol
16. Alarm clock symbol on
17. Snooze symbol
18. PM symbol (only for 12-hour time format)

Back cover and buttons:
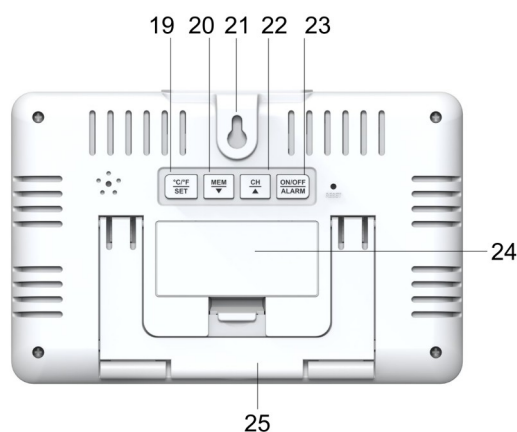
19. °C/°F/SET button
20. MEM/ ▼ button
21. Hanging hole
22. CH/▲ button
23. ON/OFF/ALARM button
24. Battery compartment
25. Tilting stand

Floating pool sensor:
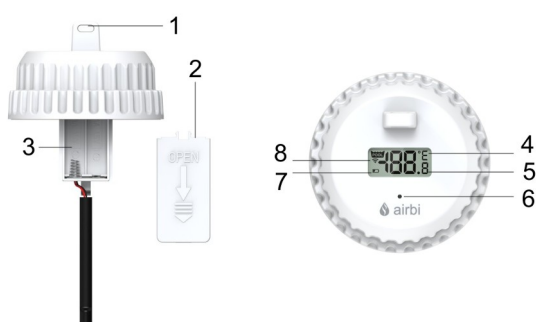
Wireless temperature and humidity sensor:
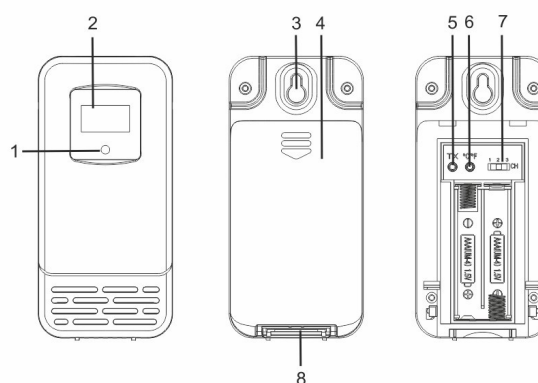
1. Sent signal diode
2. Display
3. Hanging hole
4. Battery compartment
5. TX button
6. °C/°F button
7. Channel 1, 2, 3 switch
8. Stand

1. Anchor hole
2. Battery compartment cover
3. Battery compartment
4. Temperature unit
5. Temperature
6. Sent signal diode
7. Battery symbol
8. Sent signal symbol

WE BEGIN

- Place the device on a table with a distance of at least 1.5 m between the transmitters and the base. Avoid placing it near possible sources of interference such as other electronic or wireless devices.
- Open the battery compartment of each transmitter.
- Insert 2 new 1.5V AAA batteries with correct polarity into the battery compartment of each transmitter.
- Close the battery compartment and carefully screw in the pool float sensor.
- Open the battery compartment of the base and insert 2 new 1.5V AAA batteries with the correct polarity.
- All segments on the display light up briefly, the backlight turns on briefly and the base unit beeps. Close the battery compartment.

WIRELESS SENSOR SIGNAL RECEIPT

- After the battery is inserted into the base, the values from the wireless transmitters are automatically received. The reception symbols for the given channel (pool sensor, channels 1, 2, 3) flash on the display.
- If the signal is successfully received, the display will show the temperature or temperature and humidity data for that channel, and the signal reception symbol will be displayed continuously without flashing.
- If the reception fails, then the display will show "- - .-" or "- - . - --". Check the batteries and try the whole procedure again if necessary. Also check if there is any source of interference nearby.
- You can also activate the reception of wireless sensors manually: use the **CH/ ▲** button to select the desired channel 1, 2, 3. Then press and hold the **CH/ ▲** button again . The last pairing on the channel of the pool sensor and on the selected channel 1, 2, 3 will be canceled and the basic unit will start searching again for a signal from the pool sensor and the external sensor transmitting on the selected channel 1, 2, 3. The signal reception symbol on the display will flash.
- The wireless temperature and humidity sensor will send a signal if you press the **TX button** in the sensor's battery compartment. The red diode on the temperature and humidity sensor flashes and the sensor immediately sends a signal.
- If you purchase additional temperature and humidity sensors for the device, make sure that you have a different channel 1, 2, 3 set on each transmitter using the switch in the battery compartment of the sensor. To add additional sensors, use the pairing procedure described above.

LOCATION OF WIRELESS SENSORS AND BASE UNIT

- You can place the base unit on a mat using the flip-up stand or hang it using the hanging hole.
- The basic unit is intended for indoor placement. Protect it from moisture!
- The pool sensor floats on the surface and measures the temperature at a depth of approx. 10 cm. You can tie it using a cord pulled through the eyelet on the floating sensor.
- You can hang the external temperature and humidity sensor on the wall or place it on a mat. We recommend placing it vertically and finding a dry and shady place for it.
- Check whether wireless signal transmission is possible from the intended measurement locations. If necessary, change the location of the indoor unit or sensors. The range of the signal can be significantly reduced by walls and obstacles, especially with the use of metal, or sources of interference. Avoid proximity to sources of interference such as computer monitors, TVs, etc.

RADIO CONTROLLED TIME - DCF

- As soon as the base station finishes searching for all transmitters, it starts searching for a DCF signal. The DCF reception icon will flash on the display (first the satellite turret symbol, and if the DCF signal is received, the radio wave symbol will flash).
- If the DCF signal is successfully received within 2-7 minutes, the current time will be shown on the base and the turret symbol with satellite and radio waves will be permanently displayed on the display.
- If the signal reception fails, the current time will not be set on the display and the DCF signal reception symbol will disappear completely.
- During search and reception of the DCF signal, the base unit does not respond to the buttons (with the exception of the **MEM/ ▼** to interrupt DCF signal reception and the **SNOOZE/LIGHT** button).
- The following variants of the DCF reception symbol may appear on the display:

Icon	Icon status	Importance
	The satellite is flashing.	The unit is currently trying to catch a DCF signal.
	Radio waves flash, the satellite is always displayed (or flashes approx. 1x per minute).	The unit has caught the DCF signal, is now receiving it and setting the time information.
	Satellite still, radio waves still.	Managed to catch the DCF signal and set the time accordingly.
Nothing	No icon is shown (neither satellite nor radio waves).	DCF signal reception failed or failed. The unit will display the manually set time and try to pick up the signal again at 1.00, 2.00 etc. (see below).
	Only radio waves still.	DCF radio controlled time reception **is completely off!** The manually set time will be displayed and there will be no automatic attempts to capture the DCF signal at 1.00, 2.00 etc.

- If signal reception is not turned off, the unit attempts to receive a DCF signal every night at 1:00 AM, 2:00 AM, and 3:00 AM. If reception fails, the indoor unit will try to receive the signal again at 4:00 and 5:00. The time set on the indoor unit is decisive for starting an attempt to automatically catch the DCF signal.
- DCF signal search can also be initiated manually. Press the **MEM/ ▼** button for 5 seconds.
- If you want to interrupt the signal search that is currently in progress, press and hold the **MEM/ ▼** button for 5 seconds.
- The DCF signal reception function can be turned off completely by pressing and holding **the MEM/ ▼** and buttons for 5 seconds **CH/ ▲**. The radio wave symbol appears on the display (= DCF reception is switched off). The unit will then display the manually set time and will not attempt to receive the DCF signal.
- You can turn on the DCF signal reception function again by pressing and holding the **MEM/ ▼** and buttons for 5 seconds **CH/ ▲**. The radio wave symbol disappears from the display (= DCF reception is on).
- Together with the DCF signal, the indoor unit also receives information about summer time. During the period in which summer time is used, the DST (= daylight saving time) icon will also appear on the display.

DCF Income Note

The radio-controlled clock is set according to the time signal of the cesium atomic clock from the Physico-Technical Institute in Braunschweig. The deviation of this exact atomic time is less than 1 second in 1 million years. The time is coded and broadcast from Mainflingen near Frankfurt in the long wave band (77.5 kHz) and its range is approx. 1,500 km. Your radio controlled clock receives this signal and decodes it to the correct time. The signal automatically takes into account astronomical time corrections (summer and winter or standard time), leap years and any date changes. The quality of signal reception depends mainly on the geographical location. Normally there is no problem to receive a signal at a distance of up to 1500 km from Frankfurt.

However, pay attention to the following:

- The recommended distance from sources of interference (e.g. televisions, computer monitors) is min. 1.5 – 2 m.
- In reinforced concrete rooms (e.g. basements) the received signal is naturally weaker. In extreme cases, place the unit close to a window.
- In the night hours, reception is possible in most cases due to less frequent atmospheric disturbances.

CONTROL

- Press and hold the button for faster setup **MEM/ ▼** or **CH/ ▲**.
- You can also exit the time setting or alarm setting modes by not pressing any button for a few seconds.

Display backlight

- You can activate the short-term backlight for 5 seconds by pressing the **SNOOZE/LIGHT button.**

Temperature unit setting °C/°F

- You can set the temperature unit °C or °F by briefly pressing the **°C/°F/SET button** .

Set the time, time zone and time format

- To enter the time setting mode, press and hold the **C/°F/SET button for 3 seconds** .
- The first set value (hours) will flash.
- Using the **MEM/ ▼** a **CH/ ▲** to set the desired value. Press the **C/°F/SET button** to confirm the setting and move to the next setting.
- The order of the set values is as follows:
  Clock
  Minutes
  Time zone
  Time format (24 hours, 12 hours)
- If the time format is set to 12-hour, "PM" will be displayed next to the clock from noon to midnight.

Alarm clock setting

- Short press the **ON/OFF/ALARM button** to switch to alarm time display. You can then turn the alarm on or off by pressing the **MEM/ ▼** or **CH/ ▲**. If the alarm is on, a bell symbol will appear to the left of the time. To return to normal mode, press the **ON/OFF/ALARM button** .
- Press and hold the **ON/OFF/ALARM button for 3 seconds** to enter the alarm time setting mode. The alarm clock will flash, set the desired time with the **MEM/ ▼** or **CH/ ▲**. Press the **ON/OFF/ALARM** button again to switch to setting the minutes of the alarm time. You confirm the setting of the minutes with the **ON/OFF/ALARM button** .

Alarm clock and snooze function
- If the alarm is on, the base unit will beep at the set alarm time.
- To turn off the alarm, press any button except **SNOOZE/LIGHT** .
- The alarm will also turn itself off if no button is pressed for 2 minutes during the alarm.
- Press the **SNOOZE/LIGHT button** to pause the wake-up tone for 5 minutes. The display will light up for a short while and the "ZZ" icon will flash next to the time.
- The snooze function can be used a maximum of 7 times, then the alarm will stop ringing.

Maximum and minimum values
- By pressing **the MEM/ ▼** shows the maximum measured values since the last reset.
- By pressing **the MEM/ ▼** to display the minimum measured values since the last reset.
- The minimum and maximum values are displayed for the floating pool sensor, the internal values from the built-in sensors and the currently selected channel of the wireless temperature and humidity sensor.
- **the MEM/** button for 2 seconds while viewing the minimum and maximum values ▼, all these records will be reset. During the reset, "- - " will be displayed in the temperature and humidity segments for 3 seconds. -" and "- -", then the values will be overwritten to the currently measured temperature and humidity, and the indoor unit will return to normal mode.

CARE AND MAINTENANCE
- Clean the device with a soft damp cloth. Do not use cleaning agents.
- Remove the battery if you are not going to use the device for a long time.
- Store the indoor unit in a dry place.

BATTERY REPLACEMENT
- Replace the batteries in the wireless sensor if the battery symbol appears on the display next to the values from the transmitter.
- Replace the batteries in the indoor unit if the battery symbol appears on the display next to the indoor values .
- **Note:** after replacing the batteries, the contact between the outdoor transmitters and the station must be restored - so proceed as when starting the device for the first time or start a manual search for the transmitter.

PROBLEM SOLVING
No or incomplete data is shown on the display:
- Make sure the batteries are placed correctly .
- Replace the batteries.
- Restart the base and transmitter(s).

No reception from the transmitter. "–.- --" is displayed :
- The transmitter(s) are not installed.
- Replace the batteries.
- Start a manual search for a station.
- Choose a different location for the transmitter/base.
- Reduce the distance required for data transmission between the transmitter and the base.
- Check if there is any source of interference nearby.

No DCF Income :
- Start a new DCF signal reception: press **the MEM/ ▼** button for 5 seconds .
- Check that radio reception is not turned off (if reception is turned off, a radio wave icon without a satellite tower symbol is permanently displayed next to the time).
- Wait to receive DCF at night.
- Choose a different location for the base.
- Check if there is any source of interference nearby.
- Restarts the device.
- Set the time manually

WASTE PROCESSING
The product was made from premium materials and components that can be recycled and reused.
Never dispose of empty batteries and rechargeable batteries in household waste.
As a consumer, you are responsible for taking them to an electrical store or local waste collection point, according to your current legislation, and thereby protecting the environment.
The symbols of the heavy metals contained are as follows: Cd = Cadmium, Hg = Mercury, Pb = Lead
This device is marked with the European Waste Electrical and Electronic Equipment (WEEE) label.

Please do not dispose of this device in household waste. The user is obliged to take the end-of-life device to the appropriate collection point for electrical waste to ensure that it is processed in accordance with the environment.

SPECIFICATIONS
Base

Power supply :	2 x 1.5 V AAA batteries
Temperature measurement range :	-9.9°C…+50°C
Temperature measurement accuracy:	± 1 °C in the range 0...+50 °C, otherwise ± 1.5 °C
Humidity measurement range :	20...95 % RH
Humidity measurement accuracy:	± 5%
Dimensions :	150 x 98 x 24 mm
Mass :	165g (device only)

Wireless floating pool sensor

Wireless transmission range:	max. 100 m in open space
Transmission frequency:	433 MHz
Power supply :	2 x 1.5 V AAA batteries
Temperature measurement range :	-40°C…+60°C (we do not recommend use in the cold)
Temperature measurement accuracy:	± 1 °C in the range 0...+50 °C, otherwise ± 1.5 °C
Dimensions :	80 x 80 x 160 mm
Mass :	145g (device only)

Wireless temperature and humidity sensor

Wireless transmission range:	max. 100 m in open space
Transmission frequency:	433 MHz
Power supply :	2 x 1.5 V AAA batteries
Temperature measurement range :	-40°C…+60°C
Temperature measurement accuracy:	± 1°C in the range 0-50°C, otherwise ± 1.5°C
Humidity measurement range :	20...95 % rH
Humidity measurement accuracy:	± 5%
Dimensions :	50 x 105 x 26 mm
Mass :	56 g

Manufacturer: Bibetus, s.r.o., Loosova 1, Brno 638 00, Czech Republic

Hereby, Bibetus s.r.o. declares that the radio equipment typ Airbi POOL (model YJ5085) is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the internet address: www.airbi.eu

No part of this manual may be published without the written consent of the manufacturer. Technical data are valid as of the date this manual was printed and are subject to change without prior notice. The latest technical data and product information can be found on our website.

www.airbi.eu

03/2024