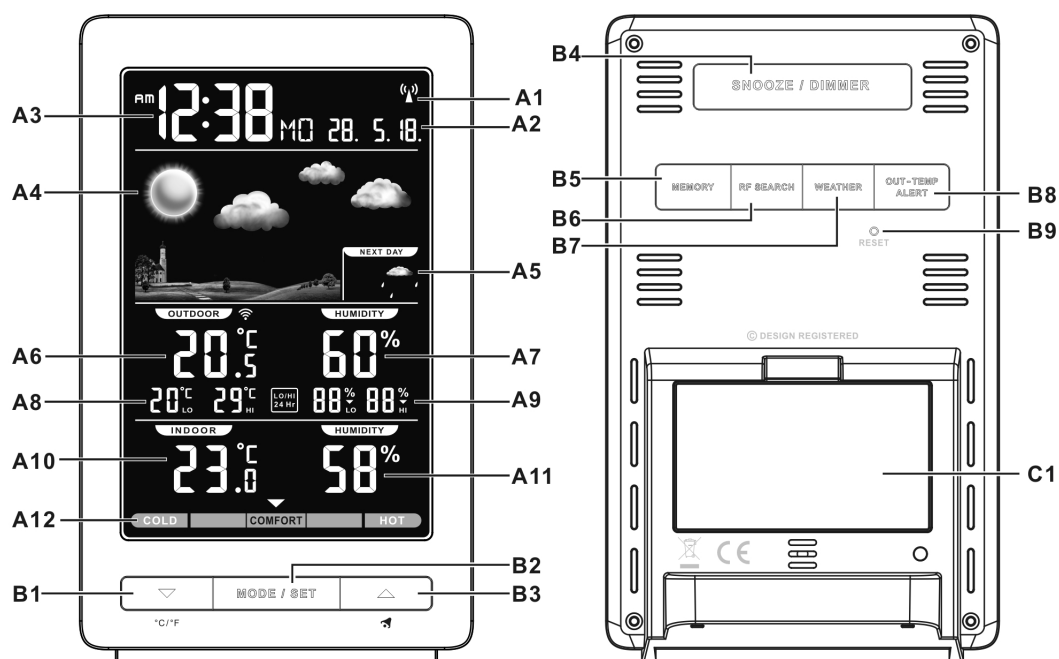# BRESSER®

Weather Station

ClimaTemp WS + Thermo-Hygrosensor

INSTRUCTION MANUAL

1. Features

1.1 Weather Forecast - Sunny, Slightly Cloudy, Cloudy, Rainy and Snow (animation)

1.2 Time - Radio Controlled Time
- Perpetual Calendar Up to Year 2099
- Day of week in 8 languages user selectable
- Daily Alarm Function

1.3 Humidity - Indoor & Outdoor measurable range: 20 ~ 99%
- Outdoor Humidity Record from Start-Up/Reset, and the corresponded time
- 24 Hours Min/Max Display for Outdoor Humidity

1.4 Temperature - Indoor measurable range: -10 ~ 50°C
- Measures °C / °F user selectable
- Outdoor measurable range: -20 ~ 50°C
- Outdoor Temperature Record from Start-Up/Reset, and the corresponded time
- 24 Hours Min/Max Display for Outdoor Temperature
- Comfort Indicator Bar

1.5 Wireless Outdoor Sensor - Low-battery indicator for Outdoor Thermo Sensor
- Wall Mount or Table Stand
- One Wireless Thermo Sensor Included
- 433MHz RF transmitting frequency
- 70 meter transmission range in an open area

2. Main Unit Appearance

2.1 Part A- LCD
A1: Radio control icon
A2: Date
A3: Time
A4: Current weather condition
A5: Weather forecast
A6: Outdoor temperature
A7: Outdoor humidity
A8: Past 24 hours highest & lowest temperature record
A9: Past 24 hours highest & lowest humidity record
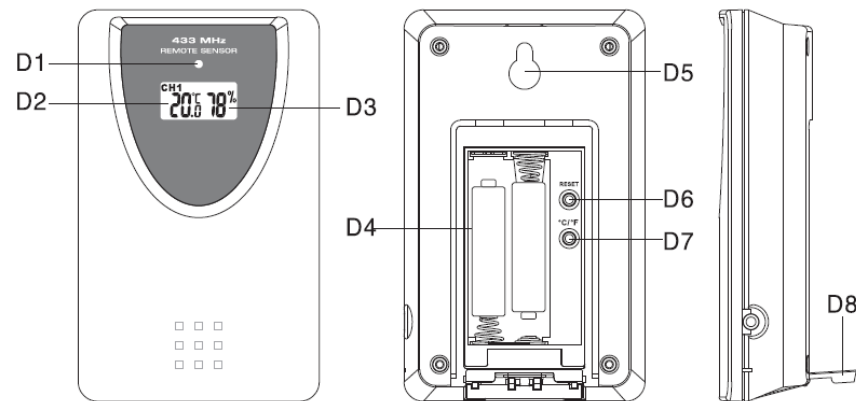A10: Indoor temperature
A11: Indoor humidity
A12: Comfort indicator

2.2 Part B- Buttons
B1: "▼/ (C/F) " button
B2: "MODE/SET" button
B3: "▲/🔔" button
B4: "SNOOZE/DIMMER" button
B5: "MEMORY" button

B6: "RF SEARCH" button
B7: "WEATHER" button
B8: "OUT-TEMP ALERT" button
B9: "RESET" button

2.3 Part C- Structure
C1: Battery Cover

3. Outdoor Thermo Sensor

D1: Transmission Indication LED
D2: Outdoor Temperature display
D3: Outdoor Humidity display
D4: Battery Compartment

D5: Wall Mount Hole
D6: "RESET" button
D7: "C/F" button
D8: Stand

4.1 Main Unit:

Remove battery compartment door and insert 2pcs AA size battery.

Or connect the power cord to the wall outlet. Before connecting the unit to power, please make sure your local voltage is the same as marked on the adaptor.

Note:

- *When powered by battery only, backlight would be off. Press snooze button, backlight will last for around 5 seconds.*
- *When connecting with the adaptor on the premise that batteries have been installed correctly, this product will switch to the external power supply automatically.*

4.2 Outdoor Thermo Sensor

- Batteries compartment (D4) of thermo sensor is locating behind the back cover,
- Insert 2 x AAA batteries observing polarity ["+" and "–" marks]
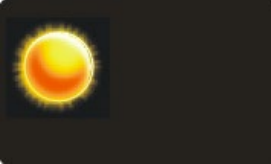
5. Weather Forecast Function

5.1 Operation

- After power on, or holding "WEATHER" button (B7) for 3 seconds, weather icon flash on the LCD. Enter the current weather by pressing "▼" or "▲"button. Press "WEATHER" button to confirm the setting. The weather forecast may not be accurate if the current weather entered is not correct. The weather station will start the first forecast at 6 hours later after the current weather status is entered.
- The current weather status should be entered again if the altitude of the main unit is changed. (Barometric pressure is lower at higher altitude location. Therefore, altitude change will affect the weather forecast).

● There are two weather icons, the upper one indicates current weather condition, the next day forecasts the weather in terms of getting better or worse. The weather station will start the first forecast at around 6 hours later after the current weather status is entered.

5.2 Weather Conditions

There are totally 5 different weather status animations in the weather forecast.

Sunny	Slightly Cloudy	Cloudy
Rain	Freezing or Snow	

Note:

● *"Freezing or Snow" is shown if the weather forecast is Rainy and outdoor temperature (any channel) under 0 ° C.*

● *Frost Alert: "❄ICE" is shown if the outdoor temperature is between -2°C ~ +3 °C*

● *If there is any inconsistency of weather forecast between local weather station and this unit, the local weather station's forecast should prevail. The manufacture will not hold responsible for any trouble that may come up due to wrong forecasting from this unit.*

6. Thermometer

6.1 RF Transmission Procedure:

● The main unit automatically starts receiving transmission from outdoor thermo sensor for outdoor temperature & humidity after weather condition setting.

● The outdoor sensor will automatically transmit temperature and humidity signal to the main unit after batteries inserted.

● If main unit failed to receive transmission from outdoor thermo sensor in first 3 minutes after the batteries inserted ("- - . –"display on the LCD), hold "RF SEARCH" button (B6) for 3 seconds to receive transmission manually. RF icon "📶" flashes on the LCD.

6.2 Temperature & Humidity

(1) Past 24 Hours Highest/Lowest outdoor temperature and humidity

- After start up, the unit automatically shows past 24 hours the highest & lowest outdoor temperature and humidity record. "HI" & "LO" show on the LCD

(2) Recorded Maximum/Minimum Outdoor Temperature and Humidity from Start-up/Reset.

- Press "MEMORY" button to view the lowest and highest temperature and humidity record from start-up or reset. "MEM" display on the LCD.
- When viewing the memory record, hold "MEMORY" button for 3 seconds to clear the maximum and minimum record.
- When viewing the memory record, press "MEMORY" button again to check the corresponded time and date for the memory of highest and lowest temperature & humidity record. The memory record value and corresponded time and date flash. Press "MEMORY" button select to view:

  Time & date for lowest temperature memory record, Time and date for highest temperature memory record, Time & date for lowest humidity memory record, Time and date for highest humidity memory record.

(3) Celsius / Fahrenheit

- Press "°C /°F" button (B1) to select Indoor/Outdoor Temperature in Celsius mode or Fahrenheit mode.
- If the temperature is out of the measurable range, LL.L (beyond the minimum temperature) or HH.H (beyond the maximum temperature) will be shown on the LCD.

(4) Humidity

- The humidity measurable range is 20% ~ 99%. If the current humidity measurement is lower than 20%, the LCD would display $20^{\%}_{BELOW}$.

(5) Outdoor Temperature Alert Function

- Press "OUT-TEMP ALERT" button (B8) to select to activate or deactivate outdoor temperature alert function.
- press ALERT button select to:

  → Active outdoor upper temperature alert, the icon "⯅" besides outdoor temperature digit would display.

  → Active outdoor upper& lower temperature alert, the icon "⯆" besides outdoor temperature digit would display.

  → Active outdoor lower temperature alert, the icon "⯆" besides outdoor temperature digit would display.

  → Deactivate outdoor temperature alert, alert icon disappear.

- Hold "OUT-TEMP ALERT" button (B8) for 3 seconds to enter outdoor temperature alert setting. Icon " ▲ " or " ▼ " beside temperature's digits flash.

  Press "▾" or "▴"button (B1 or B3 button) to adjust the setting value, press "OUT-TEMP ALERT" button to confirm the setting. Setting Sequence as follow: Upper limit of temperature, Lower limit of Temperature.
- When it's alert, the corresponding icon " ▲ " or " ▼ " and temperature digit would flash on the LCD. Press any buttons to stop the alert sound, otherwise, it will sound for 2 minutes, and stop automatically.

(6) Comfort Indicator Bar: for the display of pleasant/unpleasant climate.

7. Time and Alarm Setting

7.1 Radio Controlled Clock:
- After batteries inserted and main unit finishes receiving the transmission from outdoor sensor, the clock automatically starts to scan the DCF time signal. Radio Control Icon " (( )) " flashes on the LCD.

(( )) flashes,	(( )) turns on,	(( )) disappear,
Indicating now is receiving DCF signal	Indicating signal received successfully	Indicating signal reception failed

- The clock automatically scans the time signal at 3.00 a.m. every day to maintain accurate timing. If reception fail, scanning stops (" (( )) " on LCD disappear)

- The clock can be set to scan the time signal manually by holding "▾" and "▴"button for 3 seconds. Each reception takes about 5 minutes. If receptions fail, scanning stops.

- Stop scanning by holding "▾" and "▴"button for 3 seconds.
- "**DST**" shown on the LCD if it is in daylight saving time mode.

7.2 Manual Time Setting:
- Hold "MODE" button (B2) for 3 seconds to enter Clock/Calendar setting mode.
- Press "▴" or "▾" button to adjust the setting and press "MODE" button to confirm each setting.
  (By keeping the "▴" or "▾" button pressed, could accelerate the process and reach

the desired value more quickly)

- The setting sequence is shown as follow: 12/24 Hour, Time Zone, Hour, Minute, Second, Year, Month, Day, Day-of-week language.
- 8 languages can be selected in Day-of-week, they are: German, French, Spanish, Italian, Dutch, Denmark, Russian, and English.
- The 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	ПН	BT	CP	ЧТ	ПТ	CБ
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

Note:

(1) Second adjusted to zero only.

(2) The time setting mode will automatically exit in 15 seconds without any adjustment.

(3) The time zone is used for the countries where can receive the DCF time signal but the time zone is different from the German time. When the country time is faster than the German time for 1 hour, the zone should be set to 1. Then the clock will set 1 hour faster from the signal time received automatically.

7.3 Daily Alarm Function:

- Press " MODE/SET" button to select to view:

Time $\longrightarrow$ Time & Day of Week $\longrightarrow$ Alarm Time ("AL" shown on the LCD)

- When viewing the alarm time, hold "MODE" button for 3 seconds to enter alarm time setting. Press "▲" or "▼" button to adjust the alarm time. Press "MODE" button to confirm the setting.

- Press " 🔔 " button (B3) to switch alarm on or off. If it is on, " 🔔 " shown on the LCD.

- When Alarming, alarm icon " 🔔 " flash. Press "SNOOZE" button to activate the snooze alarm, (" 🔔 " flash on the LCD). The alarm will snooze for around 5

minutes, then it alarms again. This snooze function can be enabled for maximum 7 times.

● Except "SNOOZE" button, press any buttons to stop the snooze alarm. Otherwise, the alarm signal sounds for about 2 minutes, and then stops automatically.

8. Light

● Press "DIMMER" button (B4) to adjust the LED brightness.

9. Low battery indication:

The low battery icon "▭"will appear and indicating that thermo sensor is in low battery status. The batteries should be replaced.

10. *Precautions*

● *Use a pin to press the reset button if the unit does not work properly.*

● *Avoid placing the clock near interference sources/metal frames such as computer or TV sets.*

● *The clock loses its time information when the battery is removed.*

● *Do not expose it to direct sunlight, heavy heat, cold, high humidity or wet areas*

● *The outdoor sensor must not be set up and installed under water. Set it up in away direct sunlight and Rain*

● *Never clean the device using abrasive or corrosive materials or products. Abrasive cleaning agents may scratch plastic parts and corrode electronic circuits*

● *If there is any inconsistency of weather forecast between Local Weather Station and this unit, the Local Weather Station's forecast should prevail. The manufacturer will not take responsible for incorrect forecasting from this unit*

11. EC Declaration of Conformity

Hereby, Bresser GmbH declares that the equipment type with part number: 7007320 is in compliance with Directive: 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:
www.bresser.de/download/7007320/CE/7007320_CE.pdf

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