865991   WEATHER STATION (RC-DCF)
USER MANUAL

1. Features

1.1   Weather Forecast   -   Sunny, Slightly Cloudy, Cloudy, Rainy and Snow animation
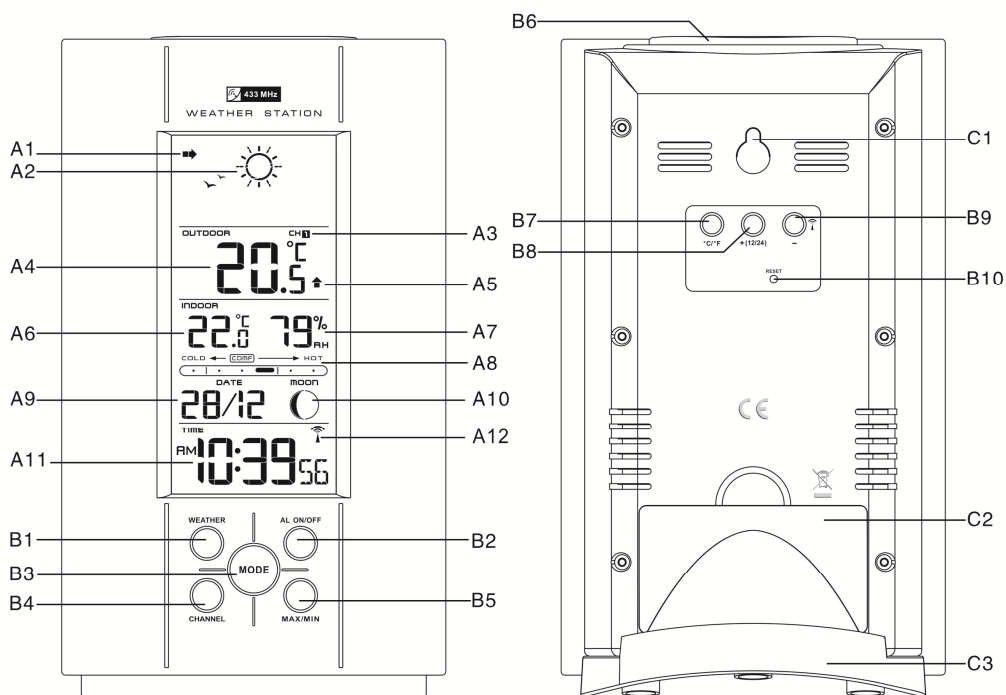
1.2   Time   -   Radio controlled time with Manual Time setting option
-   Dual Time setting
-   Moon Phase
-   12/24 hour user selectable
-   Daily Snooze Alarm function
-   Perpetual Calendar Up to Year 2099
-   Day of week in 8 languages user selectable

1.3   Humidity   -   Measurable range: 20 ~ 99%
-   Max/Min Memory

1.4   Temperature   -   Indoor measurable range: 0 ~ 50°C [+32 ~ +122°F]
-   Measures °C / °F user selectable
-   Outdoor measurable range: -20 ~ 50°C [-4 ~+ 122°F]
-   Max/Min Memory [indoor & outdoor]
-   Comfort Indicator Bar

1.5   Outdoor Sensor   -   Low-battery indicator for Outdoor Thermo Sensor
-   Wall Mount or Table Stand
-   One Wireless Thermo Sensor Included
-   433MHz RF transmitting frequency
-   30 meter [98 feet] transmission range in an open area

2. Main Unit Appearance

2.1 Part A- LCD

A1: Air pressure trend

A2: Weather Forecast

A3: Selected Channel

A4: Outdoor Temperature

A5: Outdoor Temperature Trend

A6: Indoor Temperature

A7: Indoor Humidity

A8: Comfort Indicator Bar

A9: Date

A10: Moon Phase

A11: Time

A12: Radio Controlled Icon

2.2 Part B- Buttons

B1: "WEATHER" button

B2: "AL ON/OFF" button

B3: "MODE" button

B4: "CHANNEL" button

B5: "MAX/MIN" button

B6: "SNOOZE/LIGHT" button

B7: "C/F" button

B8: "+(12/24)" button
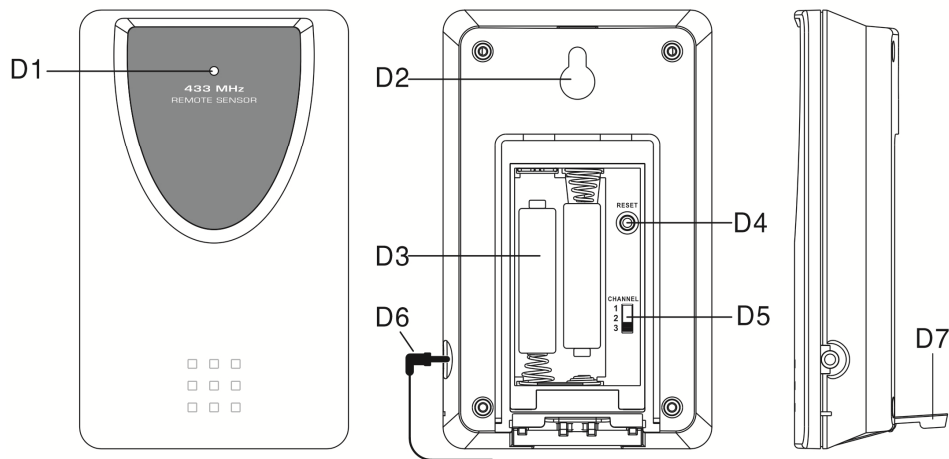
B9: "-/ 📶 " button

B10: "RESET" button

2.3 Part C- Structure

C1: Wall Mount Hole

C2: Battery Cover

C3: Stand

3. Outdoor Thermo Sensor

D1: Transmission Indication LED   D2: Wall Mount Hole

D3: Battery Compartment   D4: "RESET" button

D5: Channel Select Switch   D6: Stand

4.Getting Started:

4.1 Main Unit:

●   Slide open main unit battery compartment cover [C2]

●   Insert 3 x AA batteries observing polarity ["+" and" –" marks]

●   Replace main unit battery compartment cover [C2]

●   Use a pin to press the RESET [B10] button on the rear of the main unit, the main unit is now ready for use

4.2 Outdoor Thermo Sensor

●   Batteries compartment (D3) of thermo sensor is locating behind the back cover, unscrews the batteries cover to open.

●   Insert 2 x AAA batteries observing polarity ["+" and "–" marks]

5. Installation

5.1 Main Unit

The main unit can be placed onto any flat surface (C3), or wall mounted by the hanging hole (C1) at the back of the unit.

5.2 Outdoor Thermo sensor

The remote sensor should be securely mounted onto a horizontal surface.

Note: *Transmissions between receiver and transmitter can reach up to 30m in open area. Open Area: there are no interfering obstacles such as buildings, trees, vehicles, high voltage lines, etc.*
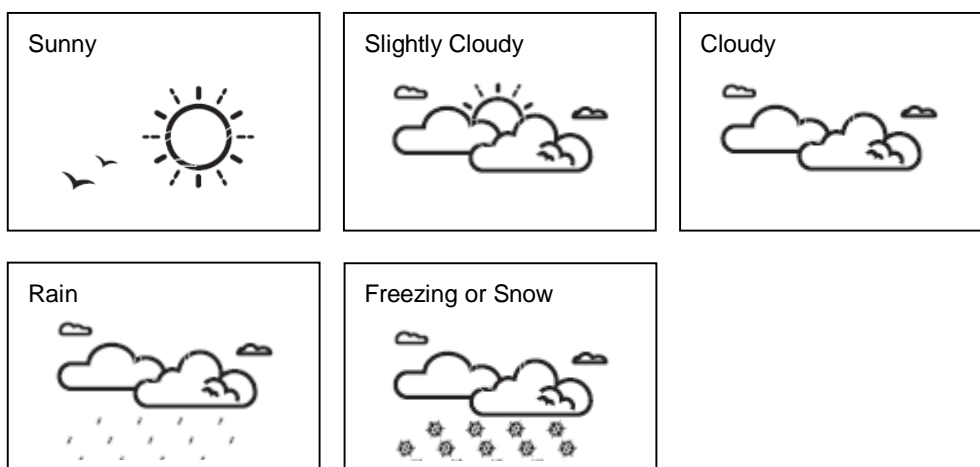
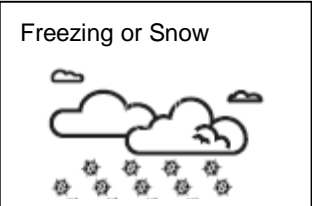## 6. Weather Forecast Function

6.1 Operation

- After Batteries inserted, OR holding "WEATHER" button (B1) for 3 seconds, weather icon flash (A2) on the LCD. Enter the current weather pressing "-" (B9) or "+ "(B8) button. Press "WEATHER" (B1) button to confirm the setting. The weather forecast may not be accurate if the current weather entered is not correct.
- 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). The weather station will start the first forecast at 6 hours later after the current weather status is entered.

6.2 **Weather Conditions**

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

Sunny	Slightly Cloudy	Cloudy

Rain	Freezing or Snow

Note:

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

Freezing or Snow

- *Frost Alert: "* *" is shown if the outdoor temperature (any channel) 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.*

6.3 **Barometric Trend Pointer (A1)**

The trend pointer displayed on the LCD (A1) indicates the trend of the Barometric pressure.

⬆	➡	⬇
Indicating the barometric pressure trend is rising	Indicating the barometric pressure trend is steady	Indicating the barometric pressure trend is falling

7. Thermometer
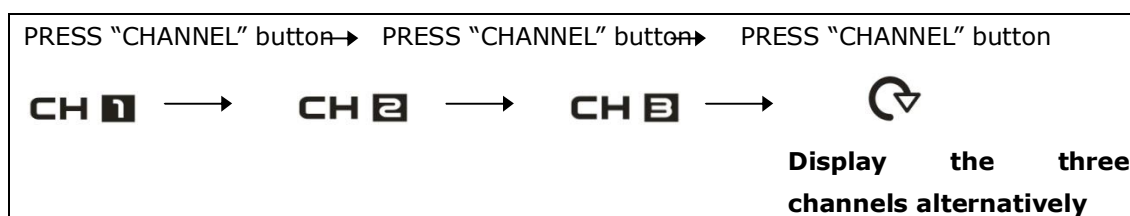
7.1 RF Transmission Procedure:

- The main unit automatically starts receiving transmission from outdoor thermo sensor for outdoor temperature after weather condition setting.
- The thermo sensor unit will automatically transmit temperature signal to the main unit after batteries inserted.
- For having more than one external transmitter (Maximum3), select the Channel, CH1, CH2 or CH3 to ensure each sensor is transmitting difference channel before inserting batteries. The channel select switch (D5) is at the back of the thermo sensor.
- If main unit failed to receive transmission from outdoor thermo sensor in first 3 minutes after the batteries inserted ("- - . –"display on the LCD), hold "Channel" button (B4) for 3 seconds to receive transmission manually. RF icon " 📶 " flashes on the LCD

  Note: *Buttons (except "Channel" (B4) &"Light" (B6) buttons) will not function while scanning for thermo sensor's signal unless they are well received or stopped manually.*

7.2 Temperature& Humidity

(1) Outdoor Temperature--- Channel Selection

- Press "CHANNEL" button (B4) to view the 3 Channel's temperature. The sequence is shown as follow:

PRESS "CHANNEL" button➔ PRESS "CHANNEL" button➔ PRESS "CHANNEL" button

CH **1** ⟶ CH **2** ⟶ CH **3** ⟶ ↻

Display the three channels alternatively

- When viewing the record on CHANNEL 1 or 2, or 3, hold "CHANNEL" button (B4) for 3 seconds to cancel the record on this channel manually, and receive the transmission from channels automatically again.

(2) Outdoor Temperature Trend

- The trend pointer (A5) displayed on the LCD indicates the trend of the outdoor temperature.

⬆	➡	⬇
Indicating the outdoor temp. is rising	Indicating the outdoor temp. is steady	Indicating the outdoor temp. is falling

(3)Celsius / Fahrenheit

- Press "°C /°F" button (B7) 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) Maximum / Minimum Temperature & Indoor Humidity Recording Function:

- Press "MAX/MIN" button (B5) to show the maximum recorded Indoor /Outdoor Temperature and Indoor Humidity. " **MAX** " is shown on the LCD
- Press "MAX/MIN" button again to show the minimum recorded Indoor/Outdoor Temperature and Indoor Humidity. " **MIN** " is shown on the LCD.
- Hold "MAX/MIN" button (B5) for 3 seconds to clear the recorded maximum and minimum reading.

(5) Comfort Indicator Bar " <img> " (A16) for the display of pleasant/unpleasant climate.

(6) The use of 1.5m cord Temperature Probe:
- Insert the probe plug (D6) to the jack on the right hand side of the Thermo Sensor Unit.
- Put the cable outside and leave the Thermo Sensor Unit indoor to avoid freezing up the battery when the outdoor temperature is below -20 °C.
  Always use the temperature probe to sense the temperature when the temperature is between the following range: -50 °C ~ 0°C and +50°C ~ + 70°

8. Time and Alarm Setting
8.1 Radio Controlled Clock:
- After batteries inserted and main unit finishes receiving the transmissions from outdoor thermo sensor, the clock automatically starts to scan the DCF time signal. Radio Control

  Icon" 📶 " (A12) flashes on the LCD.

📶 (A12) flashes,	📶 (A12) turns on,	📶 (A12) disappear,
Indicating now is receiving	Indicating signal received	Indicating signal reception

DCF signal	successfully	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) and repeats again at 4.00 a.m. 5.00a.m. and6.00a.m.

- The clock can be set to scan the time signal manually by holding " 📶 " button (B9) for 3 seconds. Each reception takes about 5 minutes.　If receptions fail, scanning stops. (" 📶 " on LCD disappear) and repeats again on next full hour. E.g. scanning failed at 8:20a.m. It will scan again at 9:00a.m.

- Stop scanning by holding " 📶 " button (B9) for 3 seconds.
- "DST" shown on the LCD if it is in Daylight Saving Time Mode
  Note: Buttons (except "LIGHT" button (B6)) will not function while scanning for DCF time signal unless they are well received or stopped manually.

8.2 Manual Time Setting:
- Hold "MODE" button (B3) for 3 seconds to enter Clock/Calendar setting mode.
- Press "-" (B9) or "+" (B8) button to adjust the setting and press "MODE" button (B3) to confirm each setting.
- The setting sequence is shown as follow: Hour, Minute, Second, Year, Month, Day, Time Zone, 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	ВС	ПН	ВТ	СР	ЧТ	ПТ	СБ
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 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 automatically set 1 hour faster from the signal time received.

Note:

(1) Second adjusted to zero only.

(2) The Time Setting Mode will automatically exit in 15 seconds without any adjustment.

8.3 12/24 Hour Display mode:

Press "(12/24)" button (B8) to select 12 or 24 hours mode.

8.4 Daily Snooze Alarm Function:

- Press "MODE" button (B3) to select to view :

Time ⟶ Weekday ⟶ Alarm Time ("AL" Shown on the LCD)

- When viewing the Alarm Time, hold "MODE" button (B3) for 3 seconds to enter Alarm Time setting. Press "-" (B9) or "+" (B8) button to adjust the alarm time. Press "MODE" button (B3) to confirm the setting.

- Press "AL ON/OFF" button (B2) to switch alarm on or off. If it is on, " (((•))) " shown on the LCD.

- When Alarming, press "SNOOZE / LIGHT" button (B6) to activate the snooze alarm, (" (((•))) " flash on the LCD). The alarm will snooze for 5 minutes, then it alarms again. This snooze function can be enabled for maximum 7 times.
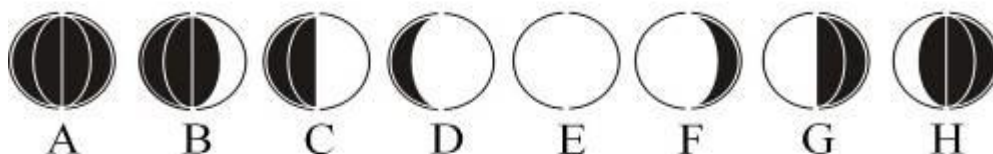
8.5 Dual Time Setting Function

- Press "MODE" button (B3) to select to view :

Time ⟶ Weekday ⟶ Alarm Time ⟶ Dual Time ("DT" shown on the LCD)

- When viewing the Dual Time, hold "MODE" button (B3) for 3 seconds to enter Dual Time setting. "Hour" & "Min" digits flash. Press "-" (B9) or "+" (B8) button to adjust the "hour", press "MODE" button (B3) to confirm and quit the setting.

9. Moon Phase Display

The Moon Phase (A7) of each day is shown on the LCD.

A   B   C   D   E   F   G   H

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

10. **Low battery indication:**

The low battery icon " "will appear at particular channel indicating that thermo sensor unit of the channel is in low battery status. The batteries should be replaced.

11. **Backlight**

Press "SNOOZE/LIGHT" button (B6), back light states for 5 seconds.

12. *Precautions*

- *Use a pin to press the reset button (B10) if the Unit does not work properly.*

- *All Setting Modes will automatically exit in 15 seconds without any adjustment.*

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

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

- *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*

DISPOSAL AT END OF WORKING LIFE:

Discarded appliances and electronic devices often still contain valuable materials, therefore do not throw them away, instead hand them in to the store where you buy a new appliance or to your local council recycling depot.

In accordance with the waste guidelines for electrical and electronic equipment, this product must be disposed of separately. If you wish to dispose of this product in the future, do NOT discard it with the household waste, but hand it in at your local refuse collection depot.

In compliance with the directives on Waste Electrical and Electronic Equipment, this product must not be discarded with domestic waste but should be disposed of separately for recycling. If you wish to dispose of this product in the future, do NOT throw it away with the household rubbish but hand it in at a specially designated place, such as your municipal domestic chemical waste depot.

Never throw empty batteries away, but deposit them in special battery boxes or hand them in as domestic chemical waste at your municipal depot.

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@combimex.nl.
www.combimex.nl