

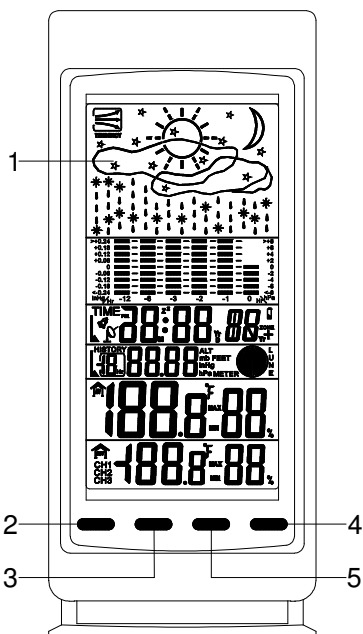
**I . FEATURES**

1. Wireless temp.& humidity
2. Radio-controlled clock(RCC)
3. Weather forecast
4. Weather trend
5. Display of barometric pressure with bar chart
6. Moon phase
7. Calendar
8. Relative altitude measuring
9. Three channel sensors (temperature & humidity)
10. Remote sensor shows temp& humidity
11. Daily MAX/MIN temp.& humidity
12. Air pressure records
13. Alarm clock & alarm for snooze
14. Week in five languages
15. LED backlight

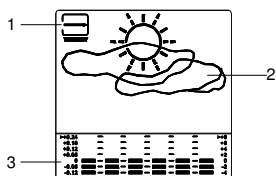
**II .PRODUCT DESCRIPTIONS**

**A.THE MAIN UNIT**

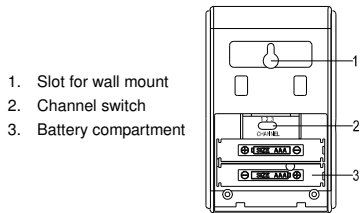
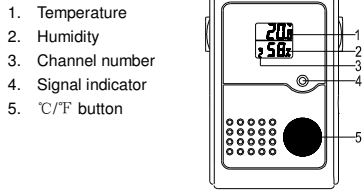
1. LCD
2. MODE button
3. SET/HIST button
4. SNOOZE/DOWN button
5. MAX/MIN/UP button



1. Weather trend
2. Weather forecast icon
3. Barometric pressure bar chat
4. Snooze
5. Alarm clock
6. Area indicative arrowhead
7. Signal reception
8. Historical barometer
9. Barometer/ altitude
10. Temperature of main unit
11. Temperature of remote sensor
12. Channel number
13. Clock/ date
14. Week/ second
15. Time zone compensation
16. Moon phase
17. Altitude unit
18. Air pressure unit
19. Humidity of main unit
20. MAX/MIN temp humidity of main unit
- 21.. Humidity of remote sensor
22. MAX/MIN temp humidity of remote sensor



## B. THE REMOTE SENSOR



## III. OPERATION

### 1. BATTERY INSTALLATION

**Note:** please firstly install the batteries of the main unit, and then please install the batteries of the remote sensor. The remote sensor will search signal within 1 minute. If there is no display of out door temperature and humidity, please put the main unit and the remote sensor closely and reinstall the batteries.

#### A. The main unit

- remove the battery cover
- Install 3 AA batteries,
- replace battery cover,

#### B. The remote sensor

- Remove the battery cover,
- install 2 AA batteries after selecting channel (if there are more than one channel, please set the remote sensor in different channels).
- replace battery cover,

#### **Note:**

- The main unit can collect data from up to 3 sensors and detect the temperature & humidity of the remote sensor. Additional sensors sold separately. If you use more than one sensor, select a different channel for each sensor.
- The main unit will search signal within 1 minute after the installation of the batteries, please make sure to install the batteries of the remote sensor within 1 minute.
- This item can't use the chargeable battery and the alkaline battery is the best choice for lengthening its service life. When LCD looks faint or LED backlight is caliginous, please replace battery in time.

## 2. FUNCTIONS

### A. Functions

Menu operation: the function of button is different under different modes. Please operate it according to menu. The item will exit setup automatically without pressing any key for 8 seconds.

#### a. MODE button:

Press it to shift among: time mode→calendar mode→air pressure mode→relative altitude measuring. Press and hold it for more than 3 seconds to enter Radio-controlled clock signal searching.

#### b. SET/HIST button:

It is the button of inquiring barometric pressure records at the default status;

It is the button of measuring altitude under relative altitude measuring;

Press and hold it for more than 3 seconds to enter setup item and be used as confirmation button.

#### c. MAX/MIN/UP button:

It is the button of inquiring MAX/MIN temperature and humidity at the default status; press and hold it for more than 3 seconds to reset; under setup mode, it is upwards adjustive button.

#### d. SNOOZE/DOMN button:

It is the button of inquiring channels at the default status; it is the ON/OFF switch when alarm clock is ringing; under setup mode, it is downwards adjustive button; press and hold it for 3 seconds to enter the reception of the remote sensor signal.

### B. Radio-Controlled Clock (RCC)

a. This item track time and date based on radio-controlled signals or automatic input with German official time-keeping organization (DCF);

b. When the sensor receives the radio-controlled signal, please set time zone compensation according to local time difference;

c. Press and hold MODE button for 3 seconds to force a manual search radio-controlled signal. The receiving icon will be displayed on the clock zone at this item.

d. It will automatically receive signal at 1:00am every morning and automatically update current time.

#### C. Clock/week/alarm clock/time zone

##### compensation/temperature unit setup

If you're out of range from the radio-controlled signal, you can set time and date manually.

a. press MODE button to select time mode; Area indicative arrowhead displays on the time zone;

b. press SET button for more than 3 seconds to enter time setup; Icon "24H" flashes on the time zone;

c. please set separately: 24h/12h format, hour, minute, second (or week in which language), alarm clock ON/OFF, hour of alarm clock, minute of alarm clock, time zone compensation hours (+/-23 hours), temperature unit.

d. press UP or DOWN button to change the setup data;

e. press SET button to confirm and enter next item.

**Note:** when second flash, press UP or DOWN button to shift between the display of time & second and the display of time & week; when week flash, press SET button to change to week language setup; press UP or DOWN button to select among 5 kinds of language: (E) English, (S) Spanish, (I) Italian, (F) French, (D) German.

#### D. Date setup

a. press MODE button to select calendar mode. Area indicative arrowhead displays on the calendar zone.

b. press SET button for more than 3 seconds to enter date setup. Icon "2007" flashes on the date zone.

c. separately set year, month, day.

d. press UP or DOWN button to change the setup data.

e. press SET button to confirm and enter next item.

#### E. Air pressure setup

a. press MODE button to select barometric pressure mode. Area indicative arrowhead displays on the calendar zone.

b. press SET button for more than 3 seconds to

enter air pressure setup, air pressure unit will flash.

- c. separately set mb/hpa, inHg.
- d. press UP or DOWN button to change the setup data.
- e. press SET button to confirm and enter into air pressure data modification.
- f. press UP or DOWN button to revise air pressure data within its effective range from 700mb/hpa to 1050mb/hpa or from 20.65inHg to 30.97 inHg according to air pressure detector.
- g. press SET button to confirm and enter next item.

#### F. Relative altitude setup

- a. press MODE button to select relative altitude mode; the default data is "0" meter and area indicative arrowhead displays on the relative altitude measuring zone.
- b. press SET button for more than 3 seconds to enter unit setup, "METER" will flash.
- c. separately set METER.FEET
- d. press UP or DOWN button to change the setup data.
- e. press SET button to confirm and enter altitude modification.
- f. press UP or DOWN button to revise altitude data within its effective range from -100—2500 METER or from -328—8200 FEET
- g. press SET button to confirm and enter next item automatically.

**Note:** relative altitude is calculated by reference to the current setting barometric pressure and altitude data.

### 3. OTHER FUNCTIONS

#### A. Inquire barometric pressure records and bar chat

- a. press SET/HIST button to inquire current barometric pressure records orderly from 0 hour to the last 12 hours.
- b. the bar chat display visually the current and past barometric pressure change by means of contrasting between past barometric pressure data and current barometric pressure data; each little square represent 2hpa or 0.06inHg.

#### B. Icons of weather forecast and weather trend

- a. There are 7 weather icons in the top section of LCD which can be displayed as follows:

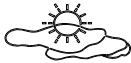


(daytime)



(night)

sunny (picture 1)



(daytime)



(night)

sunny to cloudy (picture 2)



cloudy (picture 3)



rainy (picture 4)



snowy (picture 5)

- b. The product forecasts the next 12 to 24 hours of weather within a 30-50km radius. The forecast is based on barometric trend readings.

**Note:** There are day icon and night icon two kinds of display mode. The nighttime icon displays from 6 PM to 6 AM. When temperature is 2°C or lower, the RAINY icon becomes SNOWY. Different position or circumstance can cause different barometric pressure. The longer the time to put this item at the same position is, the more precise the measurement is. The climatic variation will be difference under the different district and season. The accuracy of a general pressure-based weather forecast is more than 75%. Weather icon changes from one icon to another icon, which means the weather has changed for the better or worse.

#### C. Weather trend

The main unit tracks fluctuations in barometric pressure every 30 minutes and the trend indicator is shown on the left side of the weather icons. When the indicator points upwards, the weather improves; when the indicator points right, the weather is steady; when the indicator points downwards, the weather breaks up.

#### C. Relative altitude measurement

Press MODE button to enter relative altitude mode, press SET/HIST button to test the relative altitude of the current position. In practice, the barometric pressure is changing constantly and the climate is unsteady, which will cause the measure error (< 100m). After setup, please put the product in different position to measure as soon as possible, the measure result is the altitude difference between two positions.

#### D. Snooze function

When alarming, alarm clock icon will flash and alarm will keep for 1 minute; press SNOOZE/DOWN button at this time to stop alarm clock and enter snooze; press other button only to stop alarm clock. In the process of snooze, snooze icon "Zz" flash and alarm clock will start to ring 5 minutes later, which can repeat 5 times at most. If press SNOOZE/DOWN button to cancel snooze function in the process of snooze, snooze icon "Zz" will disappear.

#### E. Channel inquiry and compulsory reception

- a. Under the non-setup state, press SNOOZE/DOWN button to switch channels among CH1, CH2 and CH3; if only one channel can be searched, channel can't be switched.
- b. The main unit can't collect signal normally for a short or a long time when there are electromagnetic disturbance, low power or beyond a certain distance. Press SNOOZE/DOWN button lightly to check if each channel is working normally; press SNOOZE/DOWN button for more than 3 seconds to force the signal search; if the remote sensor can't work well, please check channel and the batteries; after confirmation, please make the remote sensor pair with the main unit.

**Note:** after the installation of the batteries, this item will search the remote sensor automatically; if you are using more than one sensor, select a different channel for each sensor.

#### F. Display of moon phase

- a. The moon state will be changed based on the setting date.
- b. When moon phase icon is in full display, it is new moon; when no display, it is full moon.

#### G. Inquiry MAX/MIN temp/humidity

- a. press MAX/MIN button, "MAX" icon and the maximum temperature/humidity of the day will be shown on LCD temp./humidity area.
- b. press MAX/MIN button again, "MIN" icon and the minimum temperature/humidity of the day will be shown.
- c. press MAX/MIN button for 3 seconds to clear the records.
- d. the main unit will automatically clear the records of the high temp/ humidity of the day before at 8 every morning, and clear recorded low temp/humidity of the day before at 8 every evening.

#### IV. Trouble sheet and solutions

**Problem:** if the main unit does not show the sensors Temperature and humidity;

**Solution:**

1. Press and hold SNOOZE/DOWN button for more than 3 seconds to force the signal searching;
2. Check batteries and re-install them, firstly for the main unit, then for the remote sensor;
3. Place the remote sensor more close to the main unit and far away from the disturbance;
4. Make sure to use the new batteries and the chargeable batteries is forbidden;
5. Position the remote sensor and the main unit in place, minimizing obstructions such as doors, walls, and furniture to influence the straight signal.

#### V. MAINTENANCE AND CARE INSTRUCTIONS

- \* Extreme temperatures, vibration, and shock should be avoided to prevent damage to the unit;
- \* Clean display with a soft, damp cloth. Do not use solvents or scouring agents; they may scratch the display and casing;
- \* Do not submerge in water;
- \* Do not subject the unit to unnecessary heat or cold by placing them in the oven or freezer;
- \* Do not open the casing and try to repair the unit privately.

#### VI. SPECIFICATIONS

1. Temp. range of the main unit: -5°C to 55°C; humidity range: 20% to 95%RH; Temp. range of the remote sensor: -30°C to 80°C; humidity range: 20% to 95%RH
2. Temp. accuracy: ±1°C; humidity accuracy: ±5%RH
3. Transmission range: more than 30m with no obstructions; transmission frequency: 433MHZ
4. Power for the main unit: 3\*1.5VAAA; power for the remote sensor: 2\*1.5VAAA
5. Size of the main unit (L\*W\*H): 185\*85\*36mm; the remote sensor: 95\*60\*21mm; Weight (battery not included): the main unit 230g; the remote sensor: 60g
6. Operating temperature: 0°C-50°C; storage temperature: -10°C-60°C
7. Calendar: 2000-2099
8. Temp./ humidity sampling of the main unit: every 4 minutes; Temp./ humidity sampling of the remote sensor: every 3 minutes;
9. Radio-controlled clock format: Germany DCF
10. Barometer unit: mb/hpa or inhg; relative altitude unit: METER or FEET; Temp. unit: °C/°F
11. Channels: CH1, CH2, CH3

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment,

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