

Weather^{eye} Indoor/Outdoor Weather Station

Operation Instructions

I. Main Functions:

1. Weather forecast for 5 states: sunny, sunny intervals, cloudy, rainy, cloudburst.
2. DCF RCC receiving format.
3. Time display (month, date, day, hour, minute, second)
4. Indication of the trend of air pressure/temperature/humidity
5. Indication of the comfort index: dry, comfortable and wet.
6. Air pressure record for 12-hour
7. Units of air pressure for choice: mb/hpa, or inHg.
8. Calculation of sunrise and sunset time of 160 cities in Europe.
9. The indoor/outdoor temperature/humidity and Max/Min record.
10. Temperature alert.
11. Dual alarms.
12. Sunrise and Sunset display
13. Time display format: 12/24 hour.
14. Temperature display format for choice: °C/°F.
15. Moon phase calculated.

II. Power-On or Reset

1. When Switched-On or reset, LCD displays for 3 seconds, and after a "Beep" it begins measuring indoor temperature, humidity and air pressure, then it enters RF and RCC receiving state at the same time, after 10 minutes of RCC receiving it will exit automatically or by pressing "DOWN" key to exit manually.
2. The calendar defaults 0:00:00 January 1, 2007
3. Alarm defaults 0:00.
4. The weather icon defaults sunny intervals.

III. Function Key Operation

1. Key functions

Twelve functional keys: DOWN, UP, ALARM, TIME SET, LOCATION, SNOOZE, HISTORY, ▲, ▼, ALERT, MAX/MIN, CHANNEL.

Function Operation		TIME SET	ALARM	UP	DOWN	SNOOZE	LOCATION
Standard mode	Click	----	Time displaying / alarm1/ Alarm2	-----	Alarm on/off	----	----
	Hold	Enter into time setting	Enter into alarm setting	----	Enters RCC state manually	----	Enter 160 cities set
Time set	Click	Confirm the setting	----	One step forward	One step backward	----	----
	Hold	----	----	8steps/second forward	8steps / second backward	----	----
Alarm set	Click	----	Confirm the setting	One step forward	One step backward	----	----
	Hold	----	----	8steps/second forward	8steps / second backward	----	----
City set	Click	----	----	One step forward	One step backward	----	Confirm the setting
	Hold	----	----	8steps/second forward	8steps / second backward	----	----

Function Operation		Channel	Alert	▲	▼	MAX/MIN	HISTORY
Standard mode	Click	Exit RF receiving state/shift channel	All the MAX/MIN temperature alert on/off	Shift Hpa/inHg	°C/°F switchable	Showing the Max value	----
	Hold	Enter into RF registering state	Enter into temperature alert setting	----	----	Enter into snooze state	Enter 160 cities set
Temperature set	Click	Choose the channel need to be set	Confirm the setting	One step forward	One step backward	----	----
	Hold	----	----	8 steps/second forward	8steps/second backward	----	----
Height	Click	----	----	One step forward	One step backward	----	----
	Hold	----	----	8steps/second forward	8steps/second backward	----	----

TIME SET Key:

Hold "TIME SET" key for 2 seconds to enter into time setting mode when each section being set will flash. Press "UP" or "DOWN" to choose the value needed then press "TIME SET" key to confirm the setting. It will return to standard mode automatically, if there is no operation for more than 7 seconds.

ALARM Key

Click "Alarm" key to display alarm time, press once to display AL1; twice for AL2; three times to return to standard state. Hold "Alarm" key for 2 seconds to enter alarm setting, the sequence: AL1/ AL2→ Hour→ Minute→ Exit. It will return to standard mode automatically, if there is no operation for more than 7 seconds.

UP Key

In setting mode, click the "UP" Key to adjust one step (forward). Holding the "UP" Key for 2 seconds will enter rapid adjusting mode (8 steps/seconds).

DOWN Key

In setting mode, click the "DOWN" Key to adjust one step (backward). Holding the "DOWN" Key for 2 seconds will enter rapid adjusting mode (8 steps/second).

In standard mode, Click "DOWN" Key to turn alarm on/off, the setting sequence is: AL1 on/ AL2 off → AL2 on/ AL1 off → AL1, AL2 on → AL1, AL2 off.

In standard mode, hold the "DOWN" Key for 2 seconds to enter RCC receiving state. When receiving, click the "DOWN" key to exit.

SNOOZE Key

When the alarm is sounding, click the "SNOOZE" key to stop the alarm for 5 minutes.

LOCATION Key

In standard mode, hold the "LOCATION" key for 2 seconds to enter city setting.

In city setting state, hold the "UP" or "DOWN" key to choose the city, and then click the "LOCATION" key to confirm and exit.

CHANNEL Key

In standard mode, click the "Channel" key to shift RF channel, CH1→CH2 → CH3→ in sequence.

In standard mode, hold the "Channel" Key for 2 seconds to cancel RF registering state, temperature displays and MAX/MIN value.

In Alert setting channel state, choose the required setting channel.

MAX/MIN Key

Click "Max/Min" key to display MAX value of indoor/outdoor temperature, humidity for 5 seconds. Click once again to display

the MIN values for 5 seconds, click again to return to standard mode.

Whilst displaying the Max or Min values, hold Max/Min key for 2 seconds to cancel the saved values and then return to normal standard state.

ALERT Key

Under standard mode, click Alert key to turn temperature alert on/off.

Under standard mode, hold Alert key for 2 seconds, it will enter temperature alert setting.

Under temperature alert setting mode, click Alert key to confirm the setting items, the sequence: channel→setting the Max→setting the Min.

▲ Key

Under standard mode, click ▲ to choose the unit of air pressure: Hpa/Mb or inHg.

Under setting mode, click once to go forward one step/second, hold for 2 seconds to go forward 8 steps/second.

▼ Key

In standard mode, click to choose the unit of temperature in either °C/°F.

In setting mode, click to go backward one step, hold for 2 seconds to go backward 8 steps/second.

HISTORY Key

In standard mode, click to check the air pressure record for the past 12 hours.

In standard mode, press for 2 seconds to enter air pressure icon setting mode.

RF Receiving Mode

1. After power-on and finishing testing temperature, humidity and air pressure, it enters RCC receiving state for 3 minutes.

Under standard mode, hold CH key for 3 seconds to enter RF receiving mode. If there is no new effective signal from sensors in 60 minutes, the outdoor temperature of that CH will display “----”.

2. The outdoor temperature will display valid value of that CH from “----” when the main unit detects and receives the correct signal from that CH again.

3. Hold “CHANNEL”, it displays CH1-->CH2-->CH3-->auto recycling (5 seconds a shift).

RCC Receiving Mode

1. RCC receiving condition:

(1) The unit enters receiving state for 3 minutes after power-on or reset.

(2) Every morning the unit receives one time automatically at AM3:00, AM4:00, AM5:00, AM6:00 (If it receives the signal once that day, it will resume receiving state on the following day)

(3) Hold “DOWN” key 2 seconds to enter the RCC receiving manually.

2. RCC receiving icon:

(1) When enter into the RCC receiving or lost and not yet receive the signal, only the tower of RCC symbol will flash in the frequency of 1Hz/second.

(2) During signal reception, the tower of RCC symbol & top arc antenna will flash synchronously.

(3) When signal reception is complete, the whole RCC receiving icon will display.

(4) When signal reception is NOT complete, the tower of RCC symbol will disappear and the unit will exit RCC receiving mode and will resume on the following day.

3. RCC receiving format: the receiving time for DCF is 7 minutes.

4. When receiving the DST signal, the DST symbol will be displayed on the LCD.

5. If the alarm rings during receiving state of the RCC signal, it will exit the receiving state first and then enter the RCC receiving state again after ringing.

6. Whilst receiving, hold “DOWN” key 2 seconds to stop the RCC reception.

TIME MODE

1. The default time after power-on is 2007.1.1, 0:00:00, the range of the perpetual calendar is 2000-2099.

2. Under standard mode, hold “TIME SET” key for 2 seconds to enter time setting mode.

3. Under setting mode, press “UP” or “DOWN” key to adjust the data of items to be set, click “TIME SET” to confirm the data.

4. Under setting mode, the items being set will flash in the frequency of 2Hz/second, the setting sequence: year→month→date→language→12/24HR→hour→minute→time zone→exit.

5. If there is no valid operation on the key after 7 seconds, it will exist the setting mode, but the items set will be kept. The valid keys include “TIME SET”, “UP”, “DOWN”.

ALARM ALERT MODE

1. Under standard mode, click “ALARM” to view the Alarm time, the sequence: AL1, AL2, Normal.

2. Under standard mode, click “UP” key to switch the alarm ON/OFF, the sequence: AL1 ON, AL2 OFF→AL1 OFF, AL2 ON→AL1 ON, AL2 ON→AL1 OFF, AL2 OFF.

3. Under ALARM time displaying mode, hold “ALARM” key for 2 seconds to enter ALARM setting mode. The setting

sequence: AL1/AL2→hour setting→minute setting→exit setting mode.

4. During the setting, click “UP” or “DOWN” key to adjust the items to be set, and click “ALARM” key to confirm the items.
5. If there is no effective operation on the key after 8 seconds, it will exit the setting mode, but the settings will be saved. The effective keys include “ALARM”, “UP”, “DOWN”.
6. Alarm rings for 2 minutes in total. Alarm format is:
 - (1) 0~10 seconds: one Beep/second;
 - (2) 10~20 seconds: two Beeps/second;
 - (3) 20~30 seconds, three Beeps/second;
 - (4) After 30 seconds, continuous Beeping.The alarm is switched on after set.

CITY SETTING

1. Under standard mode, hold “LOCATION” key for 2 seconds to enter location setting and choose the city you stay (there are 160 European cities for selection).
2. Click “UP” or “DOWN” to choose, and click “LOCATION” key to confirm.

SUNRISE / SUNSET, MOON PHASE AND TIDE

1. The unit will calculate automatically the time of sunrise/sunset of the city everyday after the city is selected.
2. It will calculate moon phase and tide ebb/ flux every day according to the calendar. There are 8 states of moon phase and 3 step (H, M, L) of tide in all

THERMOMETER AND HYGROMETER

1. The indoor temperature range: 0°C-50°C (32°F-122°F), and the indoor temperature range: 50°C-70°C (-5.8°F-158°F).
2. Humidity range: 20%-95%.

AIR PRESSURE AND WEATHER REPORT MODE

1. Set the altitude after power-on. The default altitude is 0.
2. Selectable air pressure units: Hpa/Mb or inHg.
3. Record the air pressure data of past 12 hours.
4. It compares the data of sampling air pressure with that of last time every hour, if the change is more than 2Hpa, the arrow of air pressure will change.
5. Process the effective sampling data of every hour, then display the weather icons according to the result processed. There are 5 weather states: Sunny, Sunny Intervals, Cloudy, Rainy, Cloudburst.

Temperature Alert Mode

1. Click “ALERT” key to switch temperature alert on/off. The 2 arrows of alert will display on the LCD when the temperature alert is switched on.
2. Hold “Alert” for 2 seconds to enter temperature alert setting. Click “CHANNEL” Key to choose the setting channel →confirm the channel and click “UP” and “DOWN” Key to set the maximum of the temp. → Confirm the maximum and click “▲” or “▼”Key to set the minimum of the temp. →Confirm the minimum and exit.
3. During the setting, the items and relative symbols flash in the frequency of 2 Hz.
4. During setting, if there is no operation of keys, it will exit the setting state. Hold the “UP” or “DOWN” Key for more than 2 seconds for quick adjusting operation, the items were set will stop flashing.
5. The default values for temperature alert is 50°C (Max) and 0°C (Min) for indoor sensor, and 70°C (Max) and -50°C (Min) for RF sensor.
6. The limit of the temp setting: the Min of alert temp should be 1 °C lower than the Max.
7. When the temperature alerts of that Channel is triggered, the temperature value and alert icon will flash. Only the alert icon flashes if the alert is not on the current channel.
8. When the IN / OUT temperatures are entering the alert state at the same time, the corresponding values and icons will flash together.
9. Under the alert state, click any key to cancel the alert sound, then click “Alert” key to switch off the alert, then the symbol of alert disappears, when the temperature alert and the time alarming coincide, the alarm has the priority.
10. When the temperature alert is ringing, the corresponding temperature values and alert icons will flash in the frequency of 1Hz/second.
11. The sound of temperature alert: it rings 4 Beeps/second for 5 seconds and then stop for 55 seconds. It will repeat automatically until the following conditions occur: 1). Any keys clicked to stop the temperature alert or the current temperature is beyond the range of alert temp set.
12. Press any key to stop the temperature alert.