

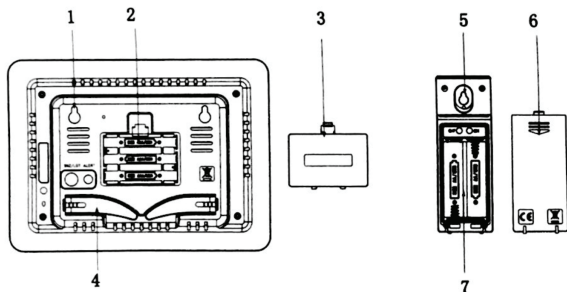
WEATHER STATION

USER MANUAL

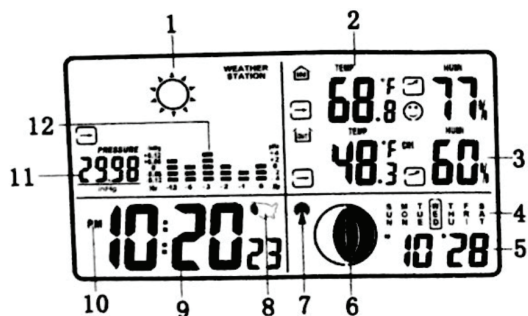


I. Functions

- 8 Function keys: TIME, ALARM, ALERT, UP, DOWN, CHANNEL, MAXMIN, SNZ/LGT
- Weather forecast for 5 states: sunny, semi-sunny, cloudy, rainy, storm
- Digital time display: Hour, Minute, Second
- Year range is 2000-2099, display: Month, Date, Week
- 12/24 hour selectable
- °C/°F selectable
- MD/DM selectable
- Snooze for 8 minutes. Adjustable snooze time from 5 to 30 minutes.
- Indoor temperature range: 0°C - +50°C. Display refresh time: 30 seconds. Resolution: 0.1°C.
- Indoor humidity range: 20% - 90%. Display refresh time: 30 seconds. Resolution: 1%.
- Outdoor temperature range: -40°C - +70°C. Display refresh time: 30 seconds. Resolution: 0.1°C.
- Outdoor humidity range: 20% - 90%. Display refresh time: 30 seconds. Resolution: 1%.
- Indoor/Outdoor trend indication of temperature/humidity.
- Outdoor temperature/humidity: up to 3 channels.
- Outdoor temperature ALERT warning: up to 3 channels.
- Max/Min temperature and humidity records.
- Indication of the comfort index.
- 8 moon phases.
- LED backlight.
- Double Alarm/Alert.
- Pressure bar indicates history trend.



- Main unit hanging hole
- Main unit battery compartment
- Main unit battery compartment cover
- Main unit stander
- Sensor hanging hole
- Sensor battery compartment cover
- Sensor battery compartment



- Weather icons
- Indoor temperature and humidity
- Outdoor temperature and humidity
- Day
- Month and date
- Moon phase
- RCC indicator
- Time
- AM/PM
- Air pressure
- Air pressure barchart

II. The Initial Display When Power-On or Reset

- The weather forecast: according to current pressure and temperature change.
- Settings automatically quit: 8 seconds
- Forward/backward: 8 steps/second
- Year: 2009-01-01
- Time: 00:00
- Temperature unit: °C; Pressure unit: hPa.
- Alarm and alert: closed

III. Power-On

- When Power-On and reset, LCD full display for 3 seconds → enter the normal state after "Beep" → check temperature, humidity and pressure.
- It will then enter into RF registering/receiving for 3 minutes. When choosing RCC receiving function, it will quit the RF receiving and enter into RCC receiving for 10 minutes. When it receives the signal successfully or 10 minutes later, it will exit the receiving status automatically.

IV. Instruction of operating the KEYS

Function Operation		TIME	ALARM	UP	DOWN	ALERT	SNZ/LGT	CHANNEL	MAX/MIN
Standard Mode	Click	Time-/Year switchable	AL1/AL2 / Time switchable	ON/OFF ALARM	----	Turn ON/OFF temperature alert	8 seconds Back light / Enter Snooze	Switchable between CH1, 2, 3, and circled display	Display Max/Min
	Hold	Enter into calendar / setting	Alarm setting	Switch the unit of temperature/pressure	Enter into RCC receiving forcefully	Enter into setting the max/min temperature alert	Enter into SNOOZE time setting	Clear current registered CH	Delete temperature and humidity Max/Min record
Setting Mode	Click	Confirm the setting	Confirm the setting and move to the next setting	One step forward	One step backward	Confirm the setting and move to the next setting	Under the SNOOZE setting status, quit the setting	----	----
	Hold	----	----	8 steps/second forward	8 steps/second backward	----	----	----	----

V. Operation Instruction

5.1 TIME

- Under normal mode, press TIME to switch between normal status and year. In year status, it will exit automatically if no key is pressed for 20 seconds.
- Under normal mode or year display, hold TIME to enter calendar settings.
- At calendar setting mode, press TIME to confirm the setting.

5.2 ALARM

- Under normal mode, press ALARM to switch normal status / ALARM1 / ALARM2. At ALARM time status, it will return to normal status if no key is operated for 20 seconds.
- At alarm status, press ALARM to confirm the setting.

5.3 UP

- Under normal mode, turn on/off Alarm. Hold UP for 3 seconds to change the unit of temperature and pressure.
- Insert the battery when holding UP, its initial display is pressure testing status and the pressure data flash. The unit of pressure is hPa.
- At setting status, press UP one time, the setting will go ahead for one step; hold the keys for 3 seconds, it will run forward by 8 steps/seconds.

5.4 DOWN

- Under normal mode, hold DOWN for 3 seconds into RCC receiving.
- Under setting mode, press DOWN one time, the setting will backforward for one step; hold the keys for 3 seconds, it will run back by 8 steps/seconds.
- Under RCC reception, press DOWN to end the RCC receiving.

5.5 CHANNEL

Under normal mode, press CHANNEL to switch channels. Hold it for 3 seconds into outdoor RF RE re-registering.

5.6 MAX/MIN

- Under normal mode, press MAX/MIN to display the max indoor/outdoor temperature and humidity. Press again to show min. One more time to return to normal status. When at the max/min record, it will return normal status if no key is operated for 20 seconds.
- At max/min status, hold MAX/MIN for 3 seconds to delete the max/min record.

5.7 ALERT

1. Under normal mode, press ALERT to turn on/off outdoor alert function. Hold it to enter into alert setting.
2. At alert status, press it to confirm the setting.

5.8 SNOOZE/LIGHT

1. Under normal mode, press it to light the backlight for 8 seconds.
2. When ringing, press it to stop the alarm ringing and into SNOOZE function.
3. At normal status, hold it for 3 seconds into snooze time setting. The adjustable range is 5-30 minutes.

*Notes:

There is BEEP sound when all the keys are operated.
When ringing, press SNOOZE to into snooze status, and press other keys to stop alarm function.

VI. Function

6.1 The function of time

At current normal status or year display, press TIME for 3 seconds into time setting. The setting item will flash. When setting year, it shows YR. When setting ZONE, it shows ZONE and the range is -12~12. When setting hour, it shows Hr.

The sequence of setting is year - MD/DM - month - day - 12/24hour - hour - minute - zone.

Press UP/DOWN to adjust it and press TIME to confirm the setting.

At setting status, if it happens to RCC receiving time schedule, it will stop RCC receiving. If to ALARM time, it stops alarm ringing. If to RF re-registering, it will open RF registering simultaneously.

6.2 The function of alarm

1. the BUZZER will ring for 2 minutes as below:
 - a. 0 - 10 sec.: one "beep" per second
 - b. 10 - 20 sec.: two "beep" per second
 - c. 20 - 30 sec.: four "beep" per second
 - d. after 30 sec.: "beep" continuously
2. When ringing, click "SNZ" key once to enter into 8 minutes snooze states, exit if any other key is clicked.

6.3 The function of temperature and humidity

1. the indoor temperature display range: 0°C ~ +50°C
2. the outdoor temperature display range: -40°C ~ 70°C
3. the indoor & outdoor humidity range: 20% -90%

6.4 Trend indicator indoor / outdoor

a. The temperature trend indicator is based on the difference between a recorded temperature and the current temperature. When the current temperature is at least 1°C higher than the recorded, the arrow will point up and the current temperature becomes the recorded.

If the temperature is at least 1°C lower than the recorded value, the arrow will point down and the current temperature becomes the recorded. In all other cases, the arrow will be flat.

b. The humidity trend indicator is based on the difference between a recorded humidity and the current humidity. When the current humidity is at least 3% higher than the recorded, the arrow will point up and the current humidity becomes the recorded.

If the humidity is at least 3% lower than the recorded value, the arrow will point down and the current humidity becomes the recorded. In all other cases, the arrow will be flat

c. The pressure trend indicator is based on the difference between a recorded pressure and the current pressure. When the current pressure is at least 2mb higher than the recorded, the arrow will point up and the current pressure becomes the recorded.

If the pressure is at least 2mb lower than the recorded value, the arrow will point down and the current pressure becomes the recorded. In all other cases, the arrow will be flat



raising



steady



falling

6.5 Indication of the comfort index

1. Dry: when temperature range is any values, humidity range is under 40%
2. Comfort when temperature range is between 20°C to 28°C, humidity range is between 40% to 70%
3. Wet when temperature range is any values, humidity range is up 70%
4. No indication: temperature range is less than 20°C and more than 28°C, humidity range is between than 40% to 70%

6.6 The receiving function of RF

1. After installing the battery and checking temperature/humidity, it will enter RF receiving state automatically for 3 minutes.
2. Under normal display mode, hold the "Channel" key for 3 seconds to clear out the channel information
3. If there is no effective signal with same ID code received for the current channel in one hour, the temperature of that CH will shows ; the temperature display will resume back when the correct signal is received again.

6.7 RCC receiving

1. Entering RCC receiving status:
 - i. The clock will enter RCC receiving status automatically 10 minutes after the start-up or reset
 - ii. Press and hold DOWN button for 2 seconds to enter manual RCC receiving status;
 - iii. The clock automatically receives RCC signals every day.
2. Time of automatic RCC signal receiving: 2:03 a.m., 3:03 a.m., 4:03 a.m. and 5:03 a.m...
If the reception is successful, it will not enter the receiving again that day. RCC receiving time is 10 minutes.
3. Display during receiving:
 - i. When the clock enters RCC receiving status, a tower-shaped symbol on the LCD will flash.
 - ii. When the clock is receiving the signals, the tower-shaped symbol and a curved antenna symbol of RCC will flash.
 - iii. After receiving the synchronization signal, RCC symbol fully displays and exits the receiving status automatically.
4. During receiving, press and hold DOWN button for 3 seconds, the clock will exit receiving manually.
5. When the clock fails to synchronize, it will attempt to receive the radio-signal at 2:03 a.m. the next day.
6. If the alarm sounds when the clock is receiving RCC signals, the clock will exit receiving and turns to alarm.
7. When the RCC symbol fully displays, it will be off after time is reset manually.

6.8 ALERT FUNCTION

1. Under standard mode, press "ALERT" Key to turn on/off alert
2. The setting sequence: MAX setting --- MIN setting --- exit alert setting.
3. The default values of temp. Alert is 70°C (Max) and -50°C (Min)
4. Under setting mode, the numbers will flash in the frequency of 1Hz
5. Click ALERT key to confirm setting
6. Press UP to adjust upward, hold for 2s to run forward. It will run forward by 8 steps/seconds.
7. Click DOWN to adjust downward, hold for 2s to run backward. It will run back by 8 steps/seconds.
8. The system will exit setting mode if no key is operated in 20 seconds

6.9 AIR PRESSURE FUNCTION

1. The range of air pressure: 800mb ~ 1100mb
2. After power on, hold UP for 3 seconds into the pressure testing status. There is useless to press any key.
Reset it for returning the normal status. When into pressure testing, there is BI sound. The unit is hPa/mb.
3. At normal status, hold UP for 3 seconds to switch the pressure unit mb, Hpa/inHg. (switch C/F at the same time).
4. Trend indication of air pressure. Air pressure record of last 12 hours.