Operation Instruction

一, Main Functions:

1.   **Radio-controlled function**
2.   **weather forecast for 4 states: sunny, semi-sunny, cloudy, rainy**
3.   **seven languages to show the day: English, Germany, French, Italian, Spanish, Dutch, Danish**
4.   **indoor temperature range: 0℃--50℃, sampling cycle: 12 seconds**
5.   **indoor humidity range: 20%-----95%**
6.   **outdoor temperature with RF: up to 3 channels**
7.   **in/out trend indication of temperature**
8.   **indication of the comfort index**
9.   **the function of Alarm/ Snooze**
10. **12/24 hour selectable**
11. **moon phase**
12. **LED light**
13. **world time zone set, -12/+12 hours**

二. Power-On and reset

1.   **When Power-On and reset, LCD full display for 3 seconds →   enter the normal state after "Beep" → check temperature and humidity**
2.   **The calendar defaults 0:00 January 1, 2004**
3.   **Alarm defaults 0:00**
4.   **The weather icon defaults semi-sunny**
5.   **Temperature scales defaults Celius degree ℃. Time system defaults 24Hr.**

三. instruction of operating the KEYS

3.1   Key functions

Six functional keys: Set, Alarm, Up, Down, Snooze, Channel

Function / Operation		Clock	Alarm	Up	Down	SNZ/LIGHT	Channel	Alert	Max/Min
standard mode	Click	-----	Alarm on/off	12hr/24hr switchable	°C/°F switchable	Back Light/ enter Snooze	Switch to CH1,CH2,CH3	On/Off temperature Alarm	Switchable between CH1, 2, 3
	Hold	enter into clock setting	enter into alarm setting	-----	-----	-----	Clear current registered	Into temperature alarm setup	clear max/ min
Time set	Click	Confirm the setting item	-----	one step forward	one step backward	-----	---------	----------	----------
	Hold	-----------	-----	8steps/second forward	8steps/second backward	-----	---------	-----------	----------
Alarm set	Click	----------	confirm the setting item	one step forward	One step backward	-----	---------	------------	--------
	Hold	----------	-----	8steps/second forward	8steps/second backward	-----	---------	------------	-----
Temp alert set	Click	-----------	-----	one step forward	one step backward	-----	Choose needed channel	Confirm the Setting item	---------
	Hold	----------	------	8steps/second forward	8steps/second backward			------	----------

3.2   Normal states

1.   **hold "clock" for 2 seconds to enter into time setting**
2.   **click "Alarm" to switch the alarm on/off**
3.   **hold "Alarm " for 2 seconds to enter into Alarm setting**
4.   **click "Up" to switch between 12hr/24hr**
5.   **press "Down" to switch between °C/°F**
6.   **press"SNZ/LIGHT"to turn on the back light 5 second**
7.   **when ALARM rings, click "SNZ/LIGHT" to enter into the snooze state every 5 minutes**
8.   **press "Channel" to switch RF channel, CH1 →CH2→CH3**
9.   **hold "Channel" key for 2 seconds to clear out all data of   current "Channel"**
10. **press"ALERT"key to switch temperature alarm on/off**
11. **hold"ALERT"key 2 seconds to enter temperature alarm setting**
12. **press"MAX/MIN"key to check maximal and minimum of temperature and humidity**
13. **hold"MAX/MIN"key 2 seconds to clear all record of temperature and humidity**

3.3   Time set

1.   **hold "clock" key for 2 seconds to enter into time setting**
2.   **the sequence of time setting: Year(2000-2050) →Month→ Date → Language → Hour → Minute → Time zone →Exit**

3. there will have 1Hz flashing during setting
4. press "clock" to confirm the setting, and enter the next setting state
5. press "Up" one time, the setting will go ahead for one step; hold the key for 2 seconds, it will run forward by 8 steps/second.
6. press "Down" one time, the setting will backward for one step; hold for 2 seconds, it will run back by 8 steps/second.
7. moon phase is changed accordingly time changed.
8. the system will exit automatically if no key is operated in 8 seconds.

3.4 Alarm set
1. hold "Alarm" key for 2 second to enter into alarm setting
2. the sequence of alarm setting: Hour → Minute → exit
3. there will have 1Hz flashing during setting
4. press "Alarm" to confirm the setting, and enter the next setting state
5. press "Up" one time, the setting will go ahead for one step; hold the keys for 2 seconds, it will run forward by 8 steps/seconds.
6. press "Down" one time, the setting will backward for one step; hold for 2 seconds, it will run back by 8 steps/second.
7. the system will exit automatically if no key is operated in 8 seconds.

3.5 Temperature alarm setting
1. hold"ALERT"2 second into ALERT setting
2. setting sequence :upper limited →lower limit→exit
3. press"CHANNEL"key when setting upper limited and lower limited to change different channel.
4. default of upper limited is:+70°C ,lower limited is -50°C
5. there will have 1Hz flashing during setting
6. press"ALERT"key confirm the end of setting then enter next item setting
7. press "Up" one time, the setting will go ahead for one step; hold the keys for 2 seconds, it will run forward by 8 steps/seconds.
8. press "Down" one time, the setting will backward for one step; hold for 2 seconds, it will run back by 8 steps/second.
9. the system will exit automatically if no key is operated in 8 seconds.
10. Alert will automatically turn on when setting is finish.

3.6 RCC receiving function:
1. **How to enter RCC receiving status:**
    a. It will enter RCC receiving state automatically 3 minutes after powering ON or resetting.
    b. It enters RCC receiving automatically at2:00, 3:00, 4:00, 5:00 everyday.
    c. Press "Down" or "UP" key for 2 seconds to enter RCC receiving status forcibly.
2. RCC receiving time is 7 minutes.
3. When it is receiving signals, press "Down" or "UP" key will exit RCC receiving status, pressing any other key will have no effect.
4. When DST is able and is receiving the signal, it will display the symbol of sun on the LCD, showing that it enters the DST system, and the time will be 1 hour faster.
5. When the RCC symbols display fully, the relative RCC icon will be OFF if the present time is changed.

四. Function and effect

4.1 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 2 seconds to clear out the channel information
3. if there is no effective signal with same ID code received for the current channel in 35 minutes, the temperature of that CH will shows "--.-".
4. the temperature display will resume back when the correct signal is received again

4.2 The function of alarm
1. the BUZZER will ring for 2 seconds 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/LIGHT" key once to enter into 5 minutes snooze states, exit if any other key is clicked.

4.3 The function of temperature and humidity
1. the indoor temperature display range: 0℃ -- +50℃ (32F -- +122F)
2. the indoor temperature proposed operating range: 0℃ -- +40℃ (32F -- +104F)
3. the outdoor temperature display range: - 50℃ -- +70℃ (-58F -- +158F)
4. the outdoor temperature proposed operating range: -5℃ -- +45℃ (23F -- +113F)
5. the temperature resolution: 0.1℃
6. the indoor humidity range: 20% --- 95%
7. the humidity resolution: 1%RH
8. sampling period: 12 seconds.
9. the temperature and hygrometer sampling will be held when the alarm is ringing
10. the RF Transmission Frequency: 433.92MHz
11. No. of Remote unit: Up to 3units

4.4 The function of weather forecast
1. weather icons for 4 states: sunny → semi-sunny → cloudy → rainy