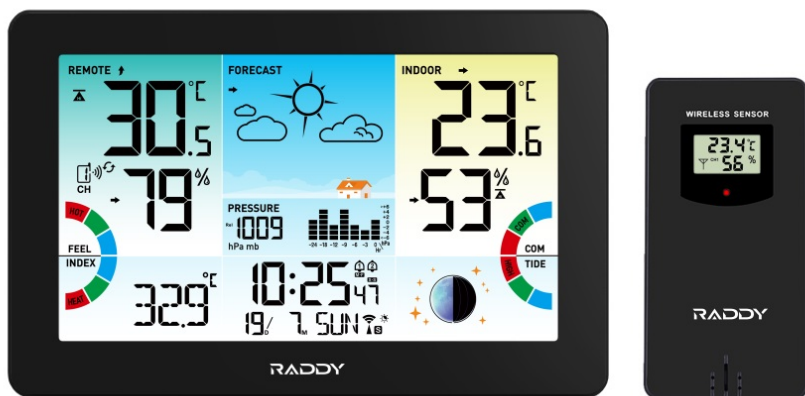


# Raddy HW75 WEATHER STATION





# HW75-WWVB Manual

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## Features:

- ▶ WWVB Radio control time function
- ▶ Perpetual Calendar Up to Year 2099
- ▶ Day of week in 3 languages user selectable: English, French and Spanish,
- ▶ Time in optional 12/24 hour format
- ▶ Daily Alarm Function
- ▶ Automatic snooze function
- ▶ Moon phase and tide display
- ▶ Temperature:
  - Indoor temperature measurement ranges: 14°F (-10°C) to 122°F (50°C)
  - Outdoor temperature measurement ranges: -40°F (-40°C) to 158°F (70°C)
  - Temperature alternatively in °F or °C
- ▶ Humidity: Indoor & outdoor measurable range: 20%RH ~ 95%RH
- ▶ Minimum/maximum display for air humidity and temperature
- ▶ Indoor and outdoor temperature and humidity upper and lower limit alert and frost warning
- ▶ Indoor comfort index and outdoor feeling index display
- ▶ Indoor mold risk, outdoor heat index and dew point temperature are displayed on the INDEX switch
- ▶ Wireless Outdoor Sensor:
  - Wall mount or table stand
  - 433.92MHz RF transmitting frequency
  - 200 feet (60 meters) transmission range in an open area
  - Up to 3 wireless outdoor sensors can be connected (one Wireless outdoor Sensor Included)
- ▶ Air pressure:
  - Air pressure range: 17.72 to 32.48 inHg (600 to 1100 hPa)
- ▶ Weather forecasting function
- ▶ Power Supply:  
Weather Station:  
Battery: 2 x LR6 AA  
DC-Power: DC5V (Input current is greater than 1.2A, dedicated power adapter, TYPE-C interface)  
Wireless Remote Sensor:  
Battery: 2 x LR6 AA

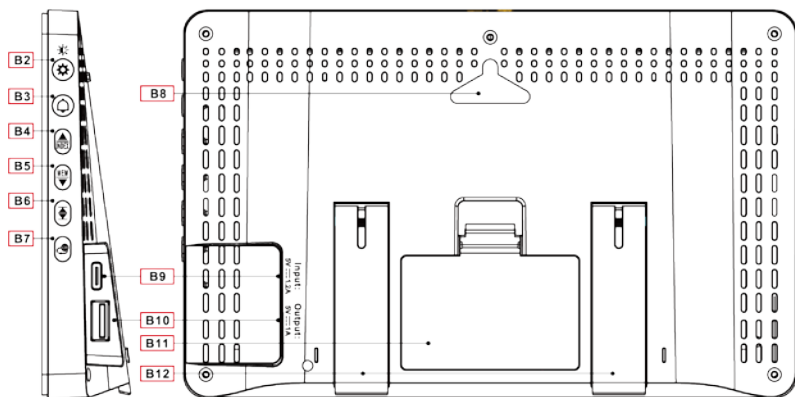
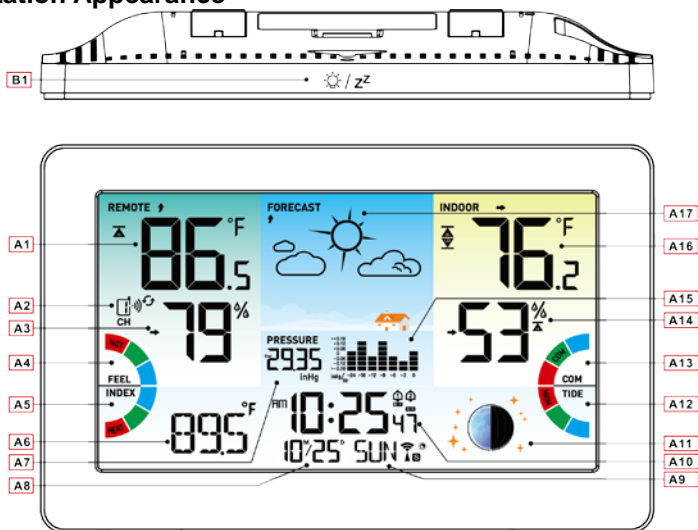
## ***F.Y.I.:***

The wireless remote sensor can work at -22°F to +158°F. Please choose the right battery according to the limit temperature of the wireless sensor:

Alkaline zinc manganese battery can work at -4°F to +140°F

Polymer lithium ion rechargeable battery can work at -40°F to +158°F.

## Weather Station Appearance



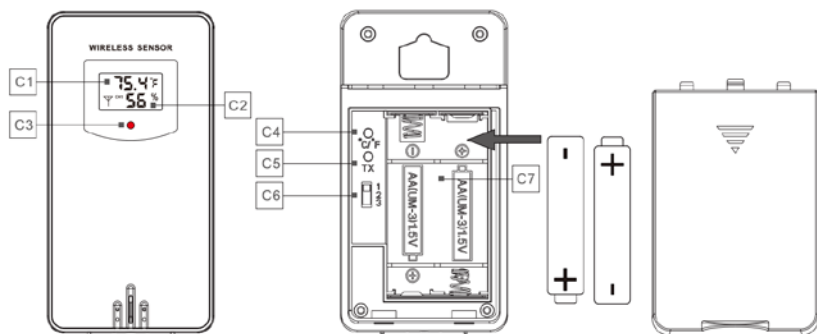
### Part A-Positive LCD

- A1: Outdoor remote temperature
- A2: Outdoor channel / receiving icon
- A3: Outdoor remote humidity
- A4: Outdoor feeling index
- A5: Index conversion bar
- A6: Indoor mold risk / Outdoor heat index / Outdoor dew point

- A7: Atmospheric pressure
- A8: Calendar
- A9: Day of the week
- A10: Time
- A11: Moon phase
- A12: Tide index
- A13: Indoor comfort index
- A14: Indoor humidity
- A15: Historical pressure trend histogram
- A16: Indoor temperature
- A17: Weather Forecasting

## Part B – Back button and power

- B1: “☀ / ZZ” touch field
- B2: “⚙” button
- B3: “🔒” button
- B4: “▲|INDEX” button
- B5: “▼|MEM” button
- B6: “⬆️” button
- B7: “🔄” button
- B8: Hanging hole
- B9: Type-C power socket
- B10: USB charger output
- B11: Battery compartment
- B12: Support frame



## Part C –Wireless Remote Sensor 1(temperature and humidity measurement):

- C1: LCD display – Temperature
- C2: LCD display – Humidity
- C3: Transmit signal LED

# HW75-WWVB Manual

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C4: “°C/°F” button

C5: “TX” button


C6: “CHANNEL 1 / 2 / 3” switch

C7: Battery compartment





## Initial Operation:

- ▶ Connect the Type-C power adapter to the socket (B9).
- ▶ Open the station battery cover and insert 2 x AA batteries, observing the correct polarity.
- ▶ Once powered, all LCD icons will light up for 3 seconds, a buzzer will sound, and the station will begin detecting indoor temperature and humidity.
- ▶ The station will enter synchronization mode for the outdoor sensor. This operation takes about 3 minutes and is displayed by a flashing reception RF antenna symbol in the “**REMOTE**” display area on the receiver.
- ▶ Open the Remote Sensor battery cover. Set the desired channel (1, 2, or 3) using the switch (C6) and insert 2 x AA batteries, observing the correct polarity.
- ▶ When the wireless sensor is loaded into the battery, all the icon on the LCD display will briefly light up for 3 seconds, and detect the temperature and humidity of the sensor, At the same time, LED lights flicker once, the wireless sensors automatically transmit wireless signals.
- ▶ When the Wireless Sensor is launched, the Weather Station alarm automatically receives its signal, and the “**OUTDOOR**” column displays the temperature and humidity values.










### **F.Y.I.:**

- ▶ The Weather Stations can receive up to 3 wireless sensors.
- ▶ The conventional wireless sensor displayed by the weather station is channel 1. If the wireless sensor is set to channel 2 or 3, you need to press the “” button on the right side of the weather station to switch to that channel, and then check whether the temperature and humidity are correct to confirm whether the signal is successfully received.

## Manual Time Setting:





- ▶ Press and hold down the “” button for 2 seconds to enter the time and general settings, First set the unit of temperature in “°C” or “°F”, Now use the “▲” and “▼” button to set the temperature of the unit, the unit of temperature can be set to “°C” or “°F”.
- ▶ Press “” to confirm your setting, switch to pressure unit setting. Now use the “▲” and “▼” button to set the pressure of the unit, the unit of t pressure can be set to “hPa” or “inHg”
- ▶ Press “” to confirm your setting, switch to radio controlled clock(RCC) function setting, Now use “▲” and “▼” buttons set the RCC receive function to activate(ON) or close(OFF)
- ▶ Press “” to confirm your setting, switch to daylight saving time (DST) function setting, Now use “▲” and “▼” buttons set the DST function to activate(ON) or close(OFF)

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- ▶ Press  to confirm your setting, switch to time zone setting, Now use “▲” and “▼” buttons set a correct time zone (AST, EST, CST, MST, PST, AKT, HAT).
  - ▶ Press  to confirm your setting, switch to the 12/24 hour mode display setting. Now use “▲” and “▼” buttons to set the time displayed in 12-hour or 24-hour format
  - ▶ Press  to confirm your setting, switch to the hour setting. Now use “▲” and “▼” buttons to set the correct hour.
  - ▶ Press  to confirm your setting, switch to the minute setting. Now use “▲” and “▼” buttons to set the correct minute.
  - ▶ Press  button to confirm your setting, switch to the Month and Date display setting. Now use “▲” and “▼” buttons to set the date display on Month/Date or Date/Month.
  - ▶ Press  button to confirm your setting, switch to the year setting. Now use “▲” and “▼” buttons to set the correct year.
  - ▶ Press  button to confirm your setting, switch to the month setting. Now use “▲” and “▼” buttons to set the correct month.
  - ▶ Press  button to confirm your setting, switch to the date setting. Now use “▲” and “▼” buttons to set the correct date.
  - ▶ Press  button to confirm your setting, switch to the language selection for the week and month displays setting. Now use “▲” and “▼” buttons to select a language.
- Note:** There are 3 languages of Weekday: English, French and Spanish

### Week language display

Language	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
ENGLISH	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
ENG	MON	TUE	WED	THU	FRI	SAT	SUN
FRENCH	LUNDI	MARDI	MERCREDI	JEUDI	VENDREDI	SAMEDI	DIMANCHE
FRE	LUN	MAR	MER	JEU	VEN	SAM	DIM
SPANISH	LUNES	MARTES	MIERCOLES	JUEVES	VIERNES	SABADO	DOMINGO
SPA	LUN	MAR	MIE	JUE	VIE	SAB	DOM

- ▶ Press  button to confirm your setting, switch to barometric pressure calibration mode. Now use “▲” and “▼” buttons to set the atmospheric pressure value.
- ▶ Press  button to confirm your setting, switch to setting the initial weather. Now use “▲” and “▼” buttons to select the current weather
- ▶ Press  to confirm your setting and to end the setting procedures, enter the clock mode.
- ▶ During the setting process, press and hold the  / **ZZ** button for more than 1

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second to exit the setting mode immediately

## **F.Y.I.:**

- ▶ After 20 seconds without pressing any button, the clock will automatically switch from Set Mode to Normal Time Mode.
- ▶ When setting the time, if the minutes are changed, the seconds will automatically reset to 00.
- ▶ When setting the time, press and hold the “▲” and “▼” button to change the value quickly.
- ▶ The user must set the correct time zone according to their location. Otherwise, the standard time received from the RCC signal may display incorrectly. The available time zones are as follows:

AST: Atlantic Standard Time	-4
EST: Eastern Standard Time	-5
CST: Central Standard Time	-6
MST: Mountain Standard Time	-7
PST: Pacific Standard Time	-8
AKT: Alaska Standard Time	-9
HAT: Hawaii-Aleutian Standard Time	-10

▶ Exceeding the NIST radio station in Fort Collins, Colorado, USA, with a diameter of more than 1500 km, the signal received by the radio clock signal is very poor. It is recommended to set the RCC to OFF.

▶ If the daylight saving time system is not implemented in this area, please select ON or OFF according to whether the city in your area adopts daylight saving time, and the time of sunrise and sunset will also be determined according to daylight saving time

▶ The forecast of the weather station is based on the analysis of changes in air pressure. The atmospheric pressure is provided by the factory and has been adjusted to absolute pressure. Since air pressure usually decreases as altitude increases, public meteorological agencies always publish so-called relative air pressure. In order to obtain a comparable value, the relative air pressure has been adjusted to the topography of the country. You can adjust the air pressure of the weather station to the ratio of its location. For this, you must uniquely adjust the current air pressure of the weather station. Ask your local weather forecast service about the air pressure at sea level, or get the current value from the Internet. The above adjustment of the air pressure setting is based on this reason.

▶ When you use this weather station for the first time, the current local weather is not semi sunny, so you can adjust the initial weather of the weather station

## **Reception Of the Radio Signal:**

- ▶ The clock automatically starts the **WWVB** signal search after 7 minutes after a restart or battery change. The radio mast icon starts to flash.
- ▶ Daily synchronization occurs at 1:00, 2:00, and 3:00 AM. If unsuccessful (the radio mast icon disappears from the display), it will retry every hour for up to 5 attempts.
- ▶ To start manual **WWVB** signal reception, press and hold the “▲” button for two

## HW75-WWVB Manual

seconds. If no signals received within 7 minutes, then the **WWVB** signal search stops (the radio mast icon disappears) and start again at the next full one hour.

▶ During WWVB radio signal reception, press and hold down the “▲” button for two seconds to stop searching radio signal.

F.Y.I.:

▶ A flashing radio mast icon indicates that the **WWVB** signal reception has started.

▶ A continuously displayed radio mast icon indicates that the **WWVB** signal was received successfully.

▶ The symbol “DST” indicates that Daylight Saving Time has been received.


▶ We recommend keeping a minimum distance of 2.5 meters from sources of interference, such as televisions or computer monitors.


▶ Radio reception is weaker in rooms with concrete walls (e.g.: in cellars) and in offices. In such extreme circumstances, place the system close to the window.


▶ During the WWVB radio reception mode, only the “▼” button is functional. Pressing other buttons will only turn on the backlight. If you want to perform other operation functions, press the “▼” button to exit the WWVB radio reception mode.


▶ When the radio-controlled time reception mode is activated, the backlight will automatically turn off. This is normal. After the reception is completed, the backlight will turn on automatically.


### Setting the Daily Alarms:


▶ Press and hold “” button for 2 seconds to enter the alarm setting mode, first enter the alarm 1 hour setting. Use the “▲” and “▼” buttons to set the required hour.


▶ Press “” button to confirm your setting, switch to the alarm 1 Minute setting. Use the “▲” and “▼” buttons to set the required minute.


▶ Press “” button to confirm your setting, switch to the alarm 1 repeat setting. Use the “▲” and “▼” buttons to set the alarm repeat in “M-F” or “S-S” or “M-F” and “S-S”.

▶ Press “” button to confirm your setting, switch to the alarm 1 snooze time setting. Use the “▲” and “▼” buttons to set the minute of snooze you need.


▶ Press “” button to confirm your setting, switch to the alarm 2 hour setting. Use the “▲” and “▼” buttons to set the required hour.

▶ Press “” button to confirm your setting, switch to the alarm 2 minute setting. Use the “▲” and “▼” buttons to set the required minute.

▶ Press “” button to confirm your setting, switch to the alarm 1 repeat setting. Use the “▲” and “▼” buttons to set the alarm repeat in “M-F” or “S-S” or “M-F” and “S-S”.

▶ Press “” button to confirm your setting, switch to the alarm 1 snooze time setting. Use the “▲” and “▼” buttons to set the minute of snooze you need.








▶ Press “” button to confirm your setting and to end the setting procedure.

▶ During the setting process, press and hold the “ / ZZ” button for more than 1 second to exit the setting mode immediately


## **F.Y.I.:**

- ▶ After 20 seconds without pressing any button, the clock will automatically switch from Set Mode to Normal Time Mode.
- ▶ The alarm is repeatedly set to M-F, the alarm function will be activated from Monday to Friday, the Saturday and Sunday will be invalid. The alarm is repeatedly set to S-S, and the alarm function will be activated on Saturday and Sunday, and will expire from Monday to Friday. When the alarm is repeatedly set to display both M-F and S-S, the alarm function will be activated throughout the week.
- ▶ the snooze time setting range: 5 ~ 60MIN, OFF, when set to OFF, means no snooze function. Snooze time unit is minutes.

## **The Alarm for Opening and Closing**

- ▶ Press "" button can switch the display in sequence at ALARM1 time \ ALARM2 time
- ▶ When switching display in ALARM1 time mode, press the "" button to turn the alarm 1 on or off. The alarm 1 turn on, the "" is displayed, the alarm 1 function is open, the repeat of alarm icon at the same time is also displayed.
- ▶ When switching display in ALARM2 time mode, press the "" button to turn the alarm 2 on or off. The alarm 2 turn on, the "" is displayed, the alarm 2 function is open, the repeat of alarm icon at the same time is also displayed.
- ▶ The alarm 1 or alarm 2 turn off, the "" or "" icon disappears, the alarm 1 or alarm 2 function is close.




## **Switching Off the Alarm Signal**

- ▶ Press any button except the " / ZZ" button to stop the alarm signal. It is not necessary to reactivate the alarm. It switches itself automatically to the alarm time which has already been set.


## **F.Y.I.:**

- ▶ The alarm will sound for 2 minutes if you do not deactivate it by pressing any button. In this case the alarm will be repeated automatically after 24 hours.
- ▶ Rising alarm sound (crescendo, duration: 2 minutes) changes the volume 4 times whilst the alarm signal is heard.

## **Snooze Function:**

- ▶ When the time is up to the alarm, press the " / ZZ" button, the alarm signal stops, and enter the SNOOZE mode. After the snooze time is counted, the alarm will ring again.
- ▶ In snooze mode, press any buttons except the " / ZZ" button or touch the " / ZZ" icon position and hold for more than 2 seconds to exit the snooze mode.

## **F.Y.I.:**

When the snooze function is set to OFF, when the time is up to the alarm, touch the " / ZZ" icon position does not have this snooze function.

## **Moon Phases and Tides**

## HW75-WWVB Manual

▶ The moon icon on the weather station will display 12 different moon phases according to the set calendar, as shown in the table below:

								
New Moon	Waxing Crescent	First Quarter	Waxing Gibbous	Full Moon	Waning Gibbous	Third Quarter	Waning Crescent	New Moon

▶ The weather station's "TIDE" display will calculate the tide level for that day as high, medium, or low based on the date and time.

### Temperature & Humidity Detection:

▶ Indoor temperature measuring range: +14°F (-10°C) ~ +122°F (+50°C), **LL.L** °F(°C) will displayed if value lower than +14°F (-10°C), **HH.H** °F(°C) will displayed if value higher than +122°F (+50°C).



▶ Outdoor temperature measuring range: -40°F (-40°C) ~ +158°F (+70°C), **LL.L** °F(°C) will displayed if value lower than -40°F (-40°C), **HH.H** °F(°C) will displayed if value higher than +158°F (+70°C).


▶ Indoor and outdoor humidity measuring range: 20%RH ~ 95%RH, **20%RH** will displayed if value lower than 20%RH, **95%RH** will displayed if value higher than 95%RH.

### Wireless Sensor Transmission:

▶ When the Weather Station successfully receives signals from the Wireless Sensor, the temperature and humidity of the outdoor are displayed on the "**REMOTO**" column of the weather station.

▶ The Weather station can connect up to 3 channel wireless sensor registration, the use of multiple wireless sensor, the wireless sensor channel cannot choose the same channel at the same time (a total of 1, 2, 3 channel can choose)

▶ Press the "" button can switch the display of different channels of outdoor temperature and humidity, when displaying the symbol "", will display the channel every 5 seconds automatically switch a channel

▶ If the Weather Station failed to receive transmission from outdoor sensor ("--" display on the LCD), press and hold "" button for 3 seconds to receive transmission manually. the "**OUTDOOR**" will show an animation of the RF antenna symbol, the Weather Station will receive the wireless signal of the outdoor sensor.

#### **F.Y.I.:**

▶ *when the wireless sensor set up different channels, the weather station "OUTDOOR" also want to switch to the same channel. When there is no wireless sensor signal transmission on the channel, "--" will be displayed in the channel of the weather station*

### Displaying Temperature/Humidity and Temperature/Humidity Trend

▶ The current indoor temperature/humidity/barometric pressure and the temperature/humidity trend (indoors) are shown in the LCD display.

▶ After successfully connecting with the remote sensor, the weather station can display the remote temperature/humidity and the temperature/humidity trend (remote)

# HW75-WWVB Manual

▶ You may see the following displays:

- ↗: The temperature/humidity is rising.
- : The temperature/humidity is remaining constant.
- ↘: The temperature/humidity is falling.

## Maximum/Minimum Temperature/Relative Humidity

▶ To toggle indoor/outdoor maximum, minimum temperature and humidity data, press the "MEM" button:

Once to show the maximum temperature and humidity values.

Twice to show the minimum temperature and humidity values

Three times to return to the current temperature and humidity levels

▶ To reset the maximum and minimum temperature and humidity, press and hold down the "MEM" button about 2 seconds. This will reset all minimum and maximum data recorded to the current displayed values.

### **F.Y.I.:**

- ▶ If the temperature reading is below ranges, the **LL.L** will be displayed. If the temperature reading is above ranges, the **HH.H** will be displayed.
- ▶ If the humidity reading is below ranges, the **19%RH** will be displayed. If the humidity reading is above ranges, the **96%RH** will be displayed.

## Indoor Comfort

▶ Comfort level is calculated based on indoor temperature and humidity, and is divided into 4 states. Displayed in the "COM" column

DRY	The temperature is any value and the humidity is less than 40%
COM	Temperature is between 68.0°F~82.4°F & 20.0°C~28.0°C, humidity is between 40%~70%
WET	The temperature is any value, and the humidity is greater than 70%
Do not display emoticons	Temperature is less than 68.0°F & 20.0°C or greater than 82.4°F & 28°C, humidity is within the range of 40% to 70%

## Outdoor Feeling Index

▶ The perceived temperature is calculated based on the outdoor temperature and humidity data. The "FEEL" column displays three levels based on how the temperature feels: COLD, COM and HOT.

## Indoor Mold Risk

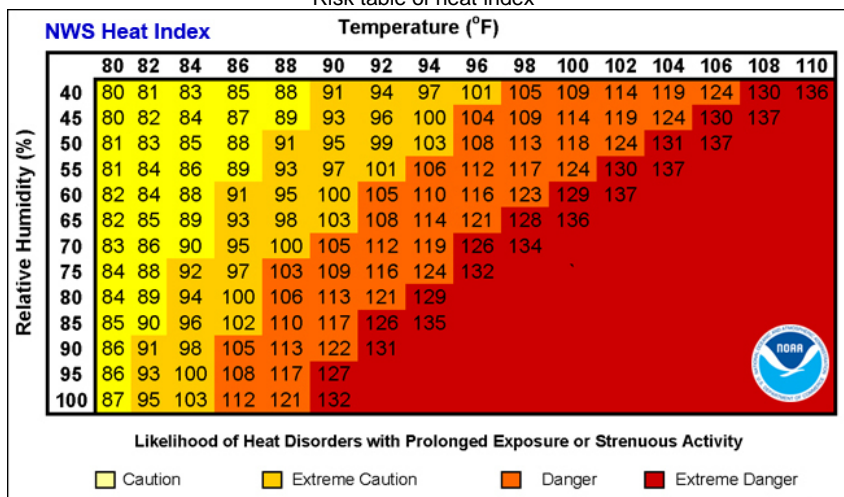
- ▶ The INDEX section allows you to switch between three different indices by pressing the "INDEX" button: mold risk, heat index, and dew point temperature.
- ▶ The mold risk display screen reads indoor humidity to determine the mold risk level. The weather station displays the MOLD indicator by pressing the "INDEX" button; there are four risk levels: high, medium, low, and no risk (displayed as ---).

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Temperature range	No risk	Low risk	Medium risk	High risk
Display	No icon	LO	ME	HI(flashing)
<51.8°F & 11.0°C	Any humidity			
11.0°C ~ 25.9°C 51.8°F ~ 78.7°F	humidity ≤ 48%	49 ≤ humidity ≤ 78%	79% ≤ humidity	
26.0°C ~ 30.9°C 78.8°F ~ 87.7°F		humidity ≤ 78%	79% ≤ humidity ≤ 87%	88% ≤ humidity
31.0°C ~ 40.9°C 87.8°F ~ 105.7°F		humidity ≤ 48%	49% ≤ humidity ≤ 87%	88% ≤ humidity
> 105.8°F & 41.0°C	Any humidity			

► The heat index and dew point temperature are calculated based on the outdoor temperature and humidity, displaying the actual temperature values.

Risk table of heat index






### Temperature and Humidity Alerts Setting




► In the normal display, press the “” button to switch to the temperature and humidity alert item viewing mode, and then press the “” button to switch to view the next item, in order:




1. In temperature upper limit alarm




2. In temperature lower limit alarm
3. In humidity upper limit alarm
4. In humidity lower limit alarm
5. Out temperature upper limit alarm
6. Out temperature lower limit alarm
7. Out humidity upper limit alarm
8. Out humidity lower limit alarm




▶ In out alert item viewing mode, press the “” button to switch to a different channel, in the order of items: CH1, CH2, CH3, and can switch cyclically




▶ In this alert item viewing mode, the alert function of each item can be turned on or off by pressing the “-” button when the respective item is displayed, and the corresponding alarm symbol “” or “” is displayed when it is turned on.




▶ Press and hold down the “” button for more than 2 seconds to enter the temperature and humidity alert setting, the first is the upper limit alert setting of the in temperature. Use the “” and “” buttons to set the upper limit alert value




▶ Press the “” button to confirm and switch to the next item, set the lower limit of the in temperature alert, Use the “” and “” buttons to set the lower limit alert value




▶ Press the “” button to confirm and switch to the next item, set the upper limit of the in humidity alert, Use the “” and “” buttons to set the upper limit alert value


▶ Press the “” button to confirm and switch to the next item, set the lower limit of the in humidity alert, Use the “” and “” buttons to set the lower limit alert value


▶ Press the “” button to confirm and switch to the next item, set the upper limit of the out temperature alert, Use the “” and “” buttons to set the upper limit alert value


▶ Press the “” button to confirm and switch to the next item, set the lower limit of the out temperature alert, Use the “” and “” buttons to set the lower limit alert value

▶ Press the “” button to confirm and switch to the next item, set the upper limit of the out humidity alert, Use the “” and “” buttons to set the upper limit alert value

▶ Press the “” button to confirm and switch to the next item, set the lower limit of the out humidity alert, Use the “” and “” buttons to set the lower limit alert value

▶ Press “” button to confirm your settings and end the setup process.



▶ When setting the upper and lower limit alerts for temperature and humidity, press the “” button to switch the alert settings for setting the upper and lower temperature and humidity limits of different channels.

▶ During the setting process, press and hold the “ / ZZ” button for more than 1 second to exit the setting mode immediately

### **F.Y.I.:**

▶ After 20 seconds without pressing any button, the weather station switches automatically from Set Mode to Normal Time Mode.

## Temperature and Humidity Upper and Lower Limit

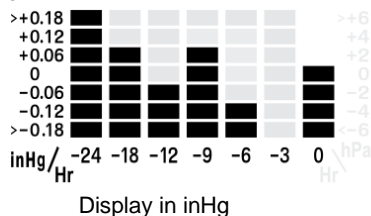
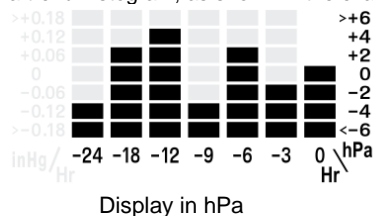
▶ When the upper limit or lower limit alarm of the corresponding channel is turned on, and the actual value of its temperature or humidity exceeds the set upper limit or lower limit, the corresponding upper limit symbol “” or lower limit symbol “” and the corresponding display data will flash. At the same time, the product emits an alarm sound.

▶ In this alert mode, press any button to stop the alarm sound, and the warning is still displayed.

## The Atmospheric Pressure Detection:

▶ Atmospheric pressure detection range: 17.72 inHg~32.50 inHg & 600 hPa/mb~1100 hPa/mb; display resolution: 0.01 inHg & 1 hPa/mb

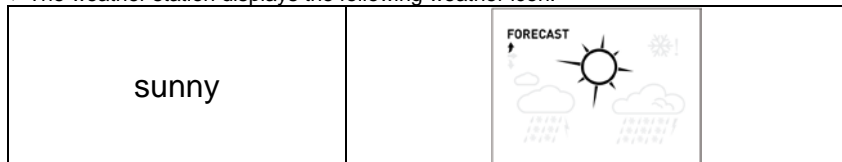
▶ The weather station records atmospheric pressure values for the past 3, 6, 9, 12, 18, and 24 hours and compares them with the current atmospheric pressure value to create a trend histogram, as shown in the example below:



## Weather Forecast:

▶ The weather station calculates a weather forecast for about the next 12 hours based on the barometric pressure trend. Of course this forecast can't compare to that of professional weather services supported by satellites and high performance computers, It provides only an approximate indication of the current weather development in a small local area. Please take the weather forecast from your local weather forecasting service into account as well as the forecast from your weather station. If there are discrepancies between the information from your device and from the local weather forecasting service, please take the advice of the latter as authoritative.

▶ The weather station displays the following weather icon:



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slightly cloudy	
cloudy	
rainy	
Heavy rainy	
Snowy	

**Note:** Changes in air pressure cause the weather to change to rainy. Furthermore, when the outdoor temperature is below 24.8°F and -4°C, the rainy weather turns into snowy weather. (The default outdoor temperature is CH1. If CH1 has no signal, the default is CH2. If CH2 also has no signal, the default is CH3.)

### Cold Weather Warning Function:

- ▶ When the outdoor sensor measures a temperature of 30.2°F~33.8°F & -1°C~+1°C, the cold weather warning icon "❄️!" will flash at 1HZ per second
- ▶ When the outdoor sensor measures a temperature below 30°F & -1.1°C, the cold weather warning icon "❄️!" will be constantly displayed

### Background Lighting

- ▶ Press the "❄️" button to adjust the backlight brightness, you can adjust the 5 state: 4 different brightness backlight and close the backlight. When the backlight brightness is

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not at the highest brightness, Press the “☀️ / ZZ” button. Backlight turns to highest brightness of 15 seconds.

**Note:** If only the battery is used for power supply, it is recommended that the backlight be turned off. If you need to watch the display, press the “☀️ / ZZ” button to light it up for 15 seconds. Otherwise, the battery will soon run out of power and the backlight will become darker and darker

▶ The weather station can also set the backlight to automatically dim at night. Press and hold the “☀️ / ZZ” field for more than 2 seconds to enter the night mode setting. First, turn the night function on or off. Now use “▲” and “▼” buttons set the night function to activate (ON) or close (OFF).

**Note:** If the night backlight function is set to OFF, pressing the “⚙️” button will automatically exit the setting mode, and there will be no switching to the next setting

▶ Press “⚙️” button to confirm your setting, switch to the brightness setting of the backlight change after entering the night. Now use “▲” and “▼” buttons set the brightness required for the backlight change after entering the night

▶ Press “⚙️” button to confirm your setting, switch to the hour of enter night mode setting. Now use “▲” and “▼” buttons set the required hour

▶ Press “⚙️” button to confirm your setting, switch to the minute t of enter night mode setting. Now use “▲” and “▼” buttons set the required minute

▶ Press “⚙️” button to confirm your setting, switch to the hour of exit night mode setting. Now use “▲” and “▼” buttons set the required hour

▶ Press “⚙️” button to confirm your setting, switch to the minute of exit night mode setting. Now use “▲” and “▼” buttons set the required minute

▶ Press “⚙️” button to confirm your setting and to end the setting procedure.

▶ During the setting process, press and hold the “☀️ / ZZ” button for more than 1 second to exit the setting mode immediately

▶ When the night mode is on, the icon “☀️” will be displayed. When the time reaches the time to enter the night mode, the backlight will automatically switch to the set night mode brightness, and when the time reaches the time to exit the night mode, the backlight will return to the original brightness

▶ In night mode, the backlight can be switched to the highest brightness for 15 seconds by Pressing the “☀️ / ZZ” button.

▶ When the backlight is turned off, the night mode automatically fails

### Low Battery:

▶ If the “INDOOR” column is display the battery icon “🔋”, replace the weather station's battery as soon as possible,

▶ If the “OUTDOOR” column is to display the battery icon “🔋”, replace the batteries of the corresponding wireless sensor according to the displayed channel.





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