Instruction Manual

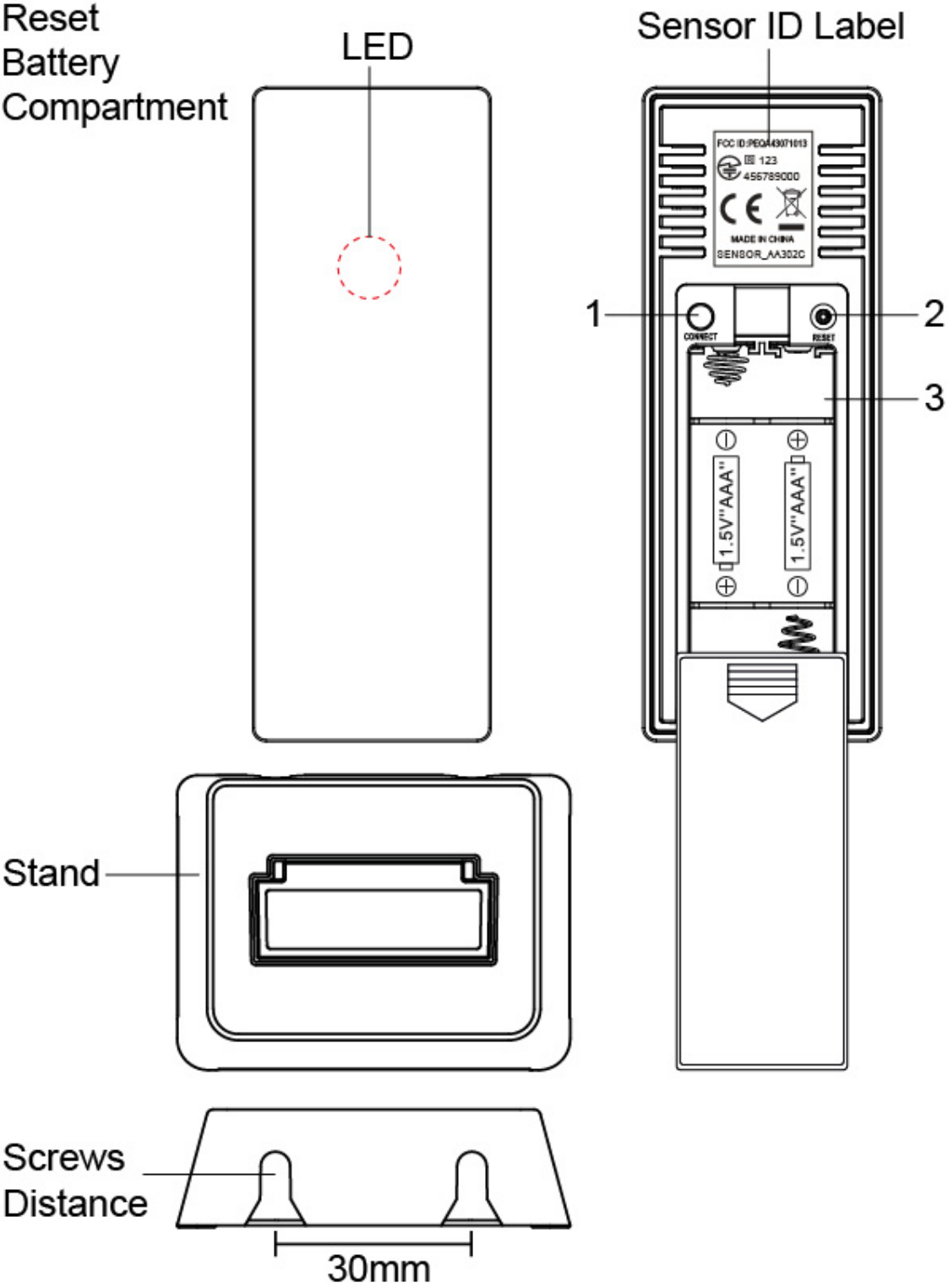
Remote
Thermo-Hygrometer

[For iPod, iPhone and iPad User]

Main Unit

Location of Control

1. Connect
2. Reset
3. Battery Compartment



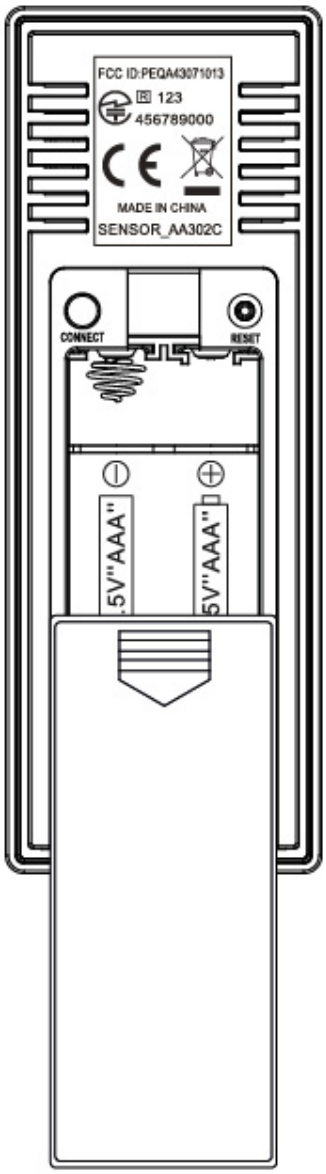
Features

Thank you for purchasing RTH. RTH is a device that allow you to browse on-site temperature, humidity and various indexes remotely on your mobile device through bluetooth connectivity. The setting is easy and it provides you convenience in daily life. Enjoy the product!

- Temperature and humidity display
- Index description
- Fahrenheit / Celsius reading
- Record and Clear temperature and humidity Max / Min reading
- Operating temperature from 0°C to 50°C
- Humidity measuring range from 5% to 99%
- Temperature resolution 0.1°C
- Humidity resolution 1%

How to Install Sensor and RTH App

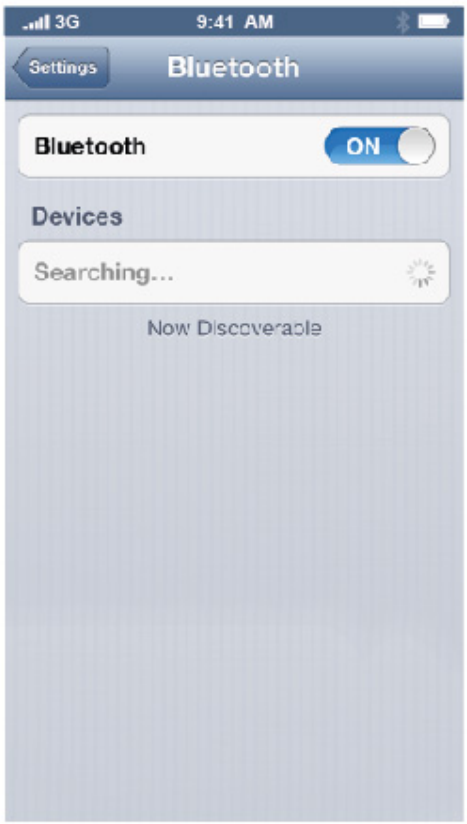
1. Install battery
1.1 Open the battery door.
1.2 Insert 2 x AAA batteries in polarity (+) and (-) as indicated.
1.3 Close the battery Door.



2. Install RTH mobile App
2.1 Access App Store and search for RTH .
2.2 Select and install Remote Thermo Hygrometer into your mobile device.

Connect Your Sensor with RTH App

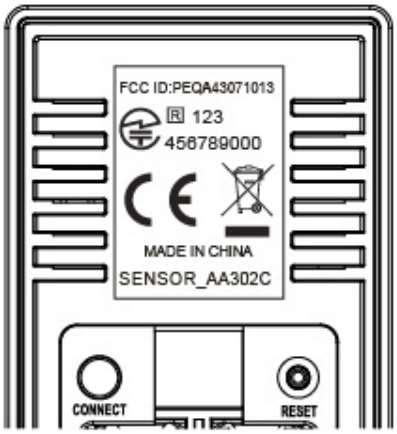
3. Connect sensor with RTH App



3.1 RTH App will check your Bluethooth condition. If Bluetooth is OFF it will show pop up menu on display. Press Settings and then turn the Bluetooth ON in your mobile.

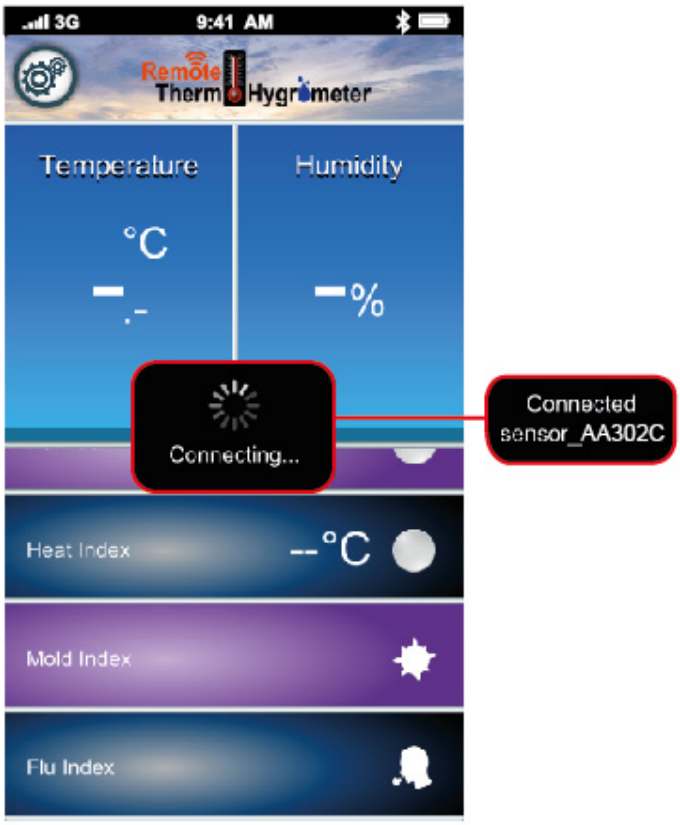
3.2 Start RTH App in your mobile device.

Connect Your Sensor with RTH App



3.3 For first connection press and hold the connect button on the sensor for 2 seconds. Red LED on front side will light up for 2 seconds and flash until connection succeed.

3.4 During connection “Connecting...” will pop up on display.



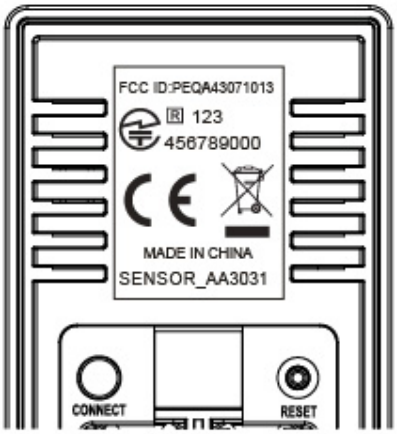
3.5 When connection succeed, pop up menu will show you the connected sensor ID e.g. sensor_AA302C. (This code shown on the sensor)

3.6 If the sensor is not working properly, press the RESET button with a pointed object.

4. Repeat step 2-3 to connect additional mobile device with the same sensor (The sensor unit able to support multiple mobile devices).

Change Another Sensor with RTH App

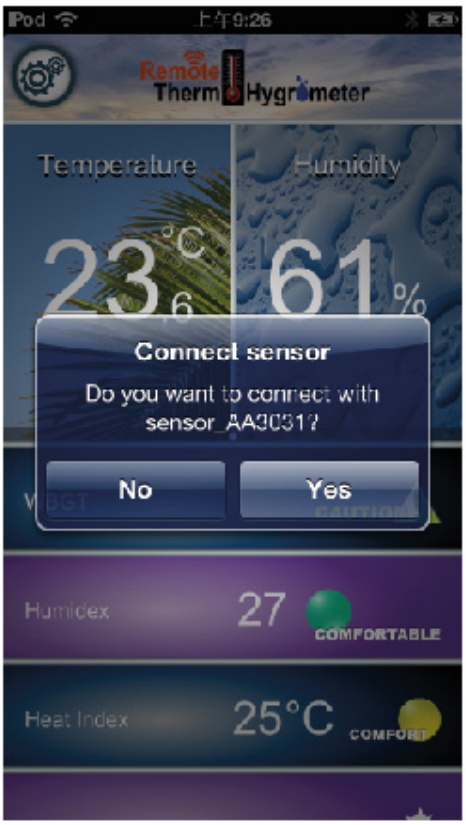
5. Change another sensor



5.1 Press and hold the connect button on the sensor for 2 seconds. Red LED on front side will light up for 2 seconds and flash until connection succeed.

5.2 The RTH App can find another sensor ID and with a pop up menu. User can select Yes to confirm another connection or No to keep exist sensor connection.

5.3 During connection "Connecting..." will pop up on display.



5.4 When connection succeed, it will show the Connected Sensor ID (eg. sensor_ AA3031). Make sure the pop up menu shows the "Connected Sensor_ID" is your desired sensor.
If it's failed, will keep exist sensor connection.

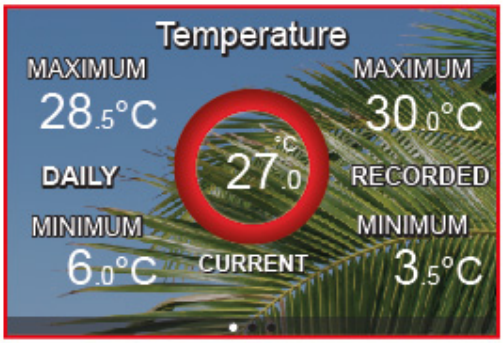
5.5 After changing the sensor, you may need to clear all the recorded data. (See No.10 Clear recorded contents.)

Review DAILY / RECORDED Contents

6. Swipe the screen of Temperature and Humidity left and right to browse the Maximum and Minimum records.

6.1 DAILY: Resets automatically at 0:00
Recorded data between 0:00 to the time you view daily Max / Min
RECORDED: Accumulates all time data from Daily Record

Swipe the screen to the left will appear DAILY and RECORDED Humidity Max / Min.

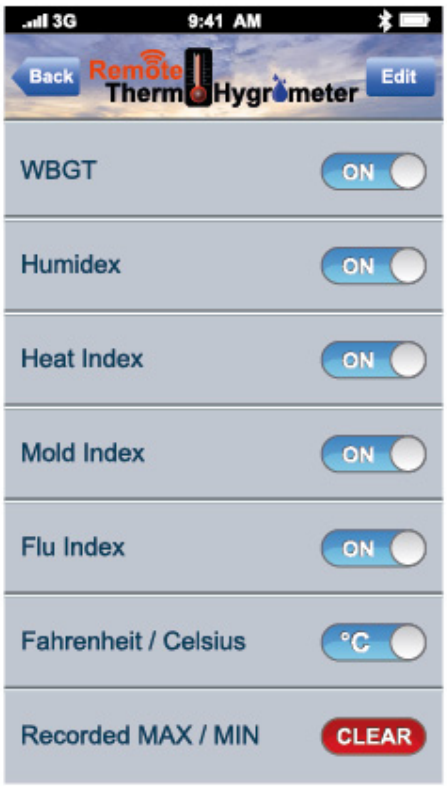


Swipe the screen to the right will show DAILY and RECORDED Temperature Max / Min.

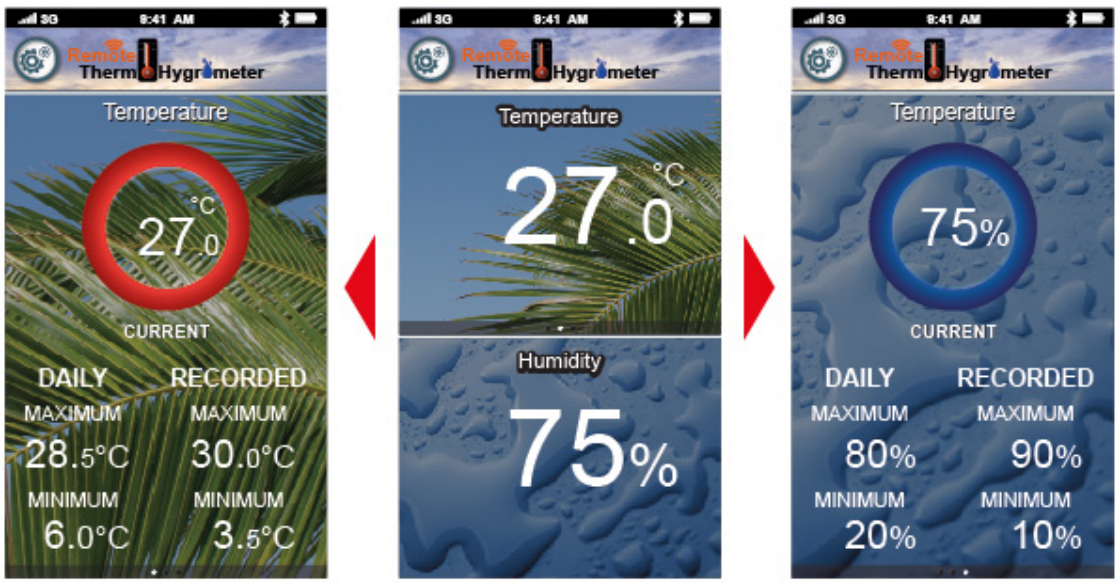
How to Personalize Home Page Screen

7. Personalize you home page

Press left corner icon to enter setting. User can turn each index ON or OFF .

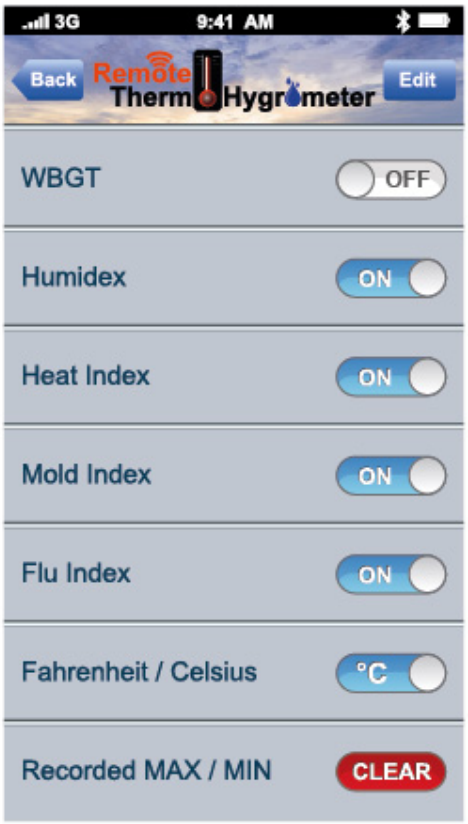


If all indices are turn OFF . The Home screen will shown as below.



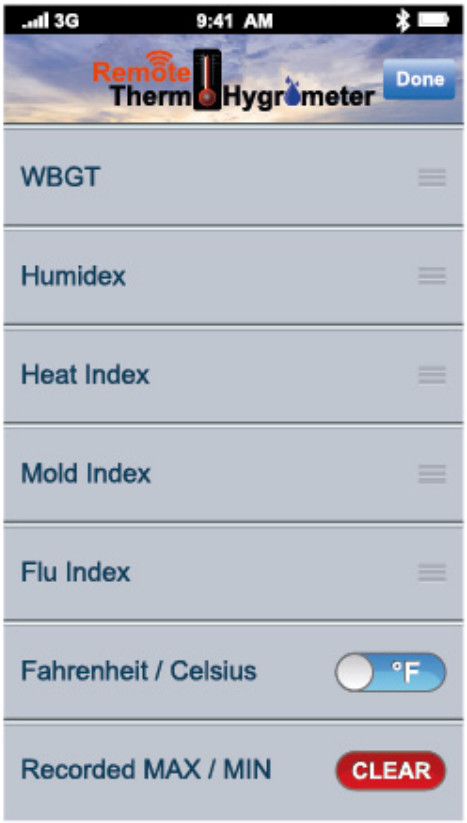
Index Setting

8. Index setting



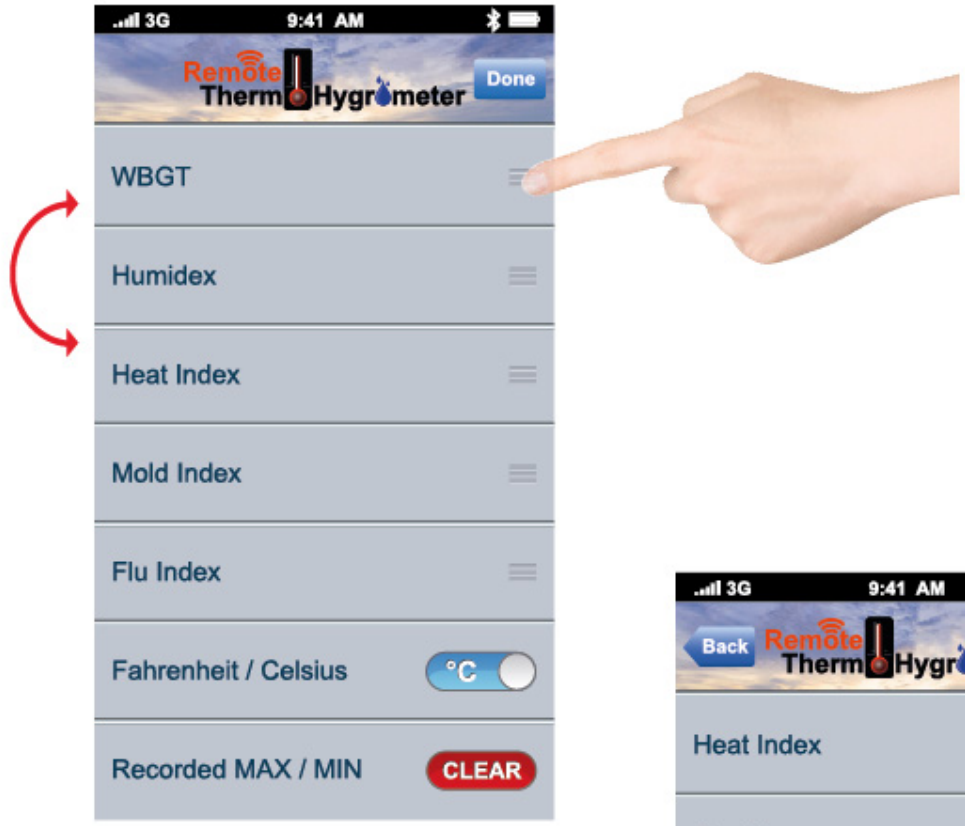
8.1 User can turn ON or OFF to each index by swiping the switch.

8.2 User can personalize the sequence of indices by pressing the Edit button.

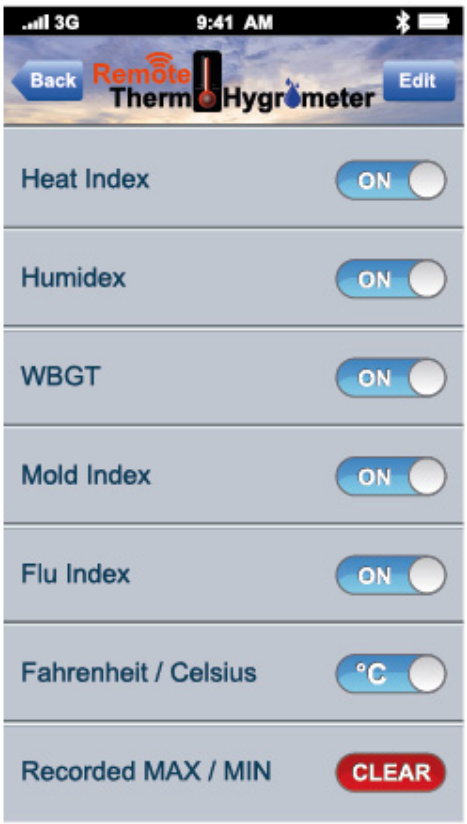


8.3 After pressing Edit there will be ☰ appear at each index, except “Fahrenheit / Celsius” and “Recorded MAX / MIN” contents.

Index Setting



8.4 Press and hold ☰ to drag any index up or down to personalize your own sequence.



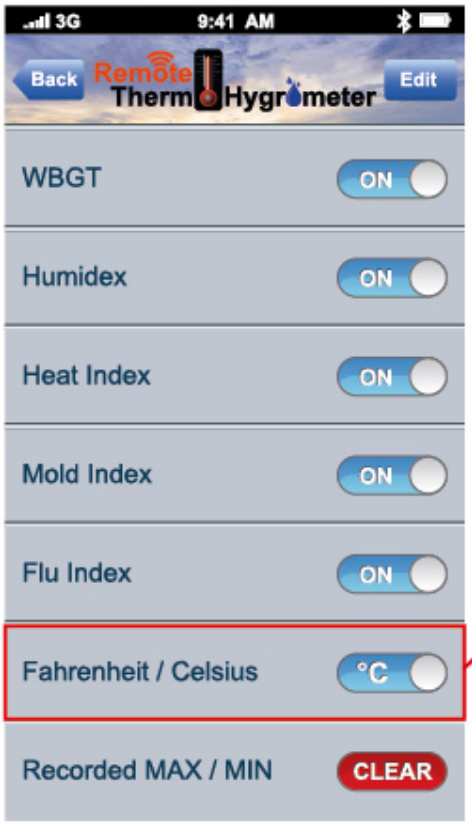
8.5 After setting the indices at home page will show as your sequence set.

Change The Temperature Reading

9. Change format reading

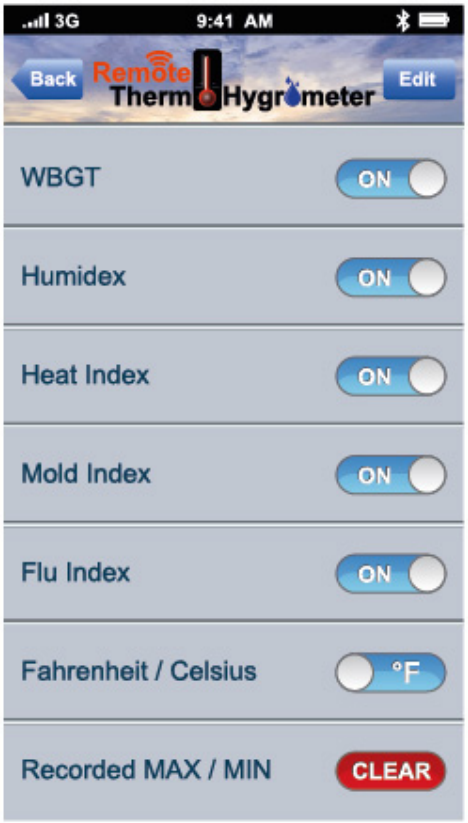
9.1 To change temperature reading in Fahrenheit or Celsius. Go setting by pressing icon .

9.2 At Fahrenheit / Celsius row switch °C / °F to your desired format.



Change The Temperature Reading

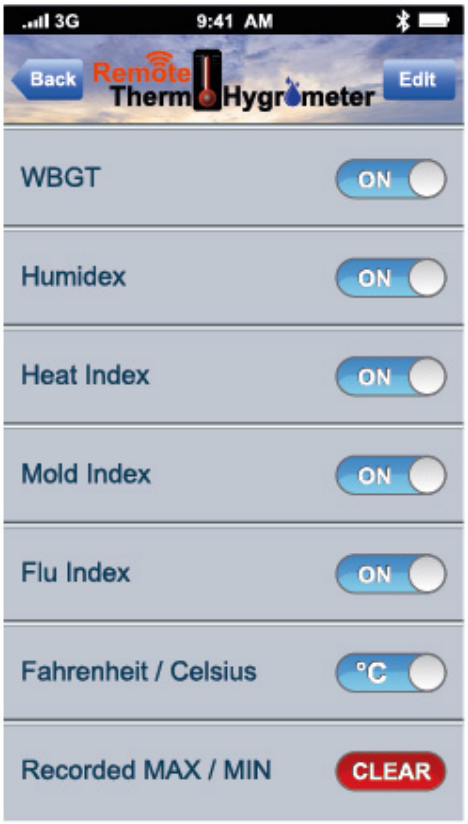
9.3



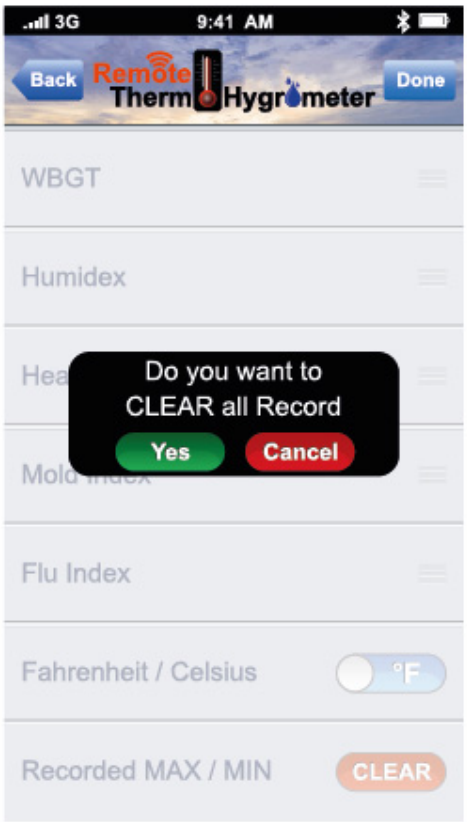
After setting the home page will show the Fahrenheit or Celsius only for all temperature and index reading.

Clear MAX / MIN Record

10. Clear recorded content



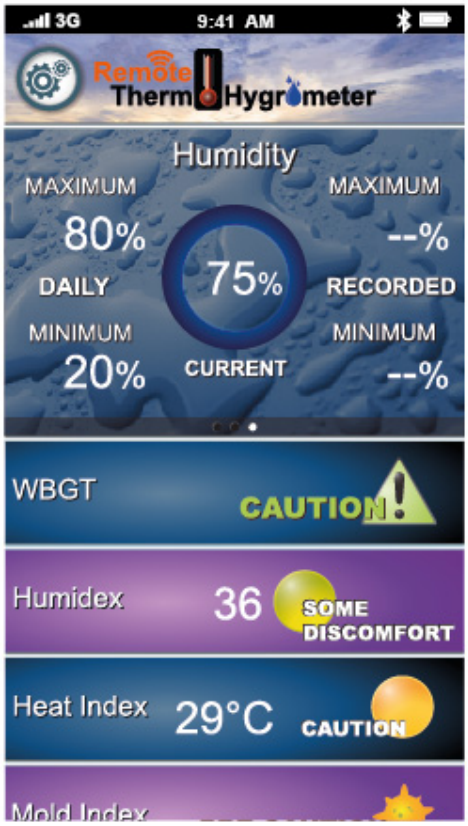
10.1 Go to Setting. Press CLEAR button on "Recorded MAX / MIN" content.



10.2 Pop up menu will appear to ask your double confirmation. Select Yes to clear the record or CLEAR to cancel the action.

Clear MAX / MIN Record

10.3

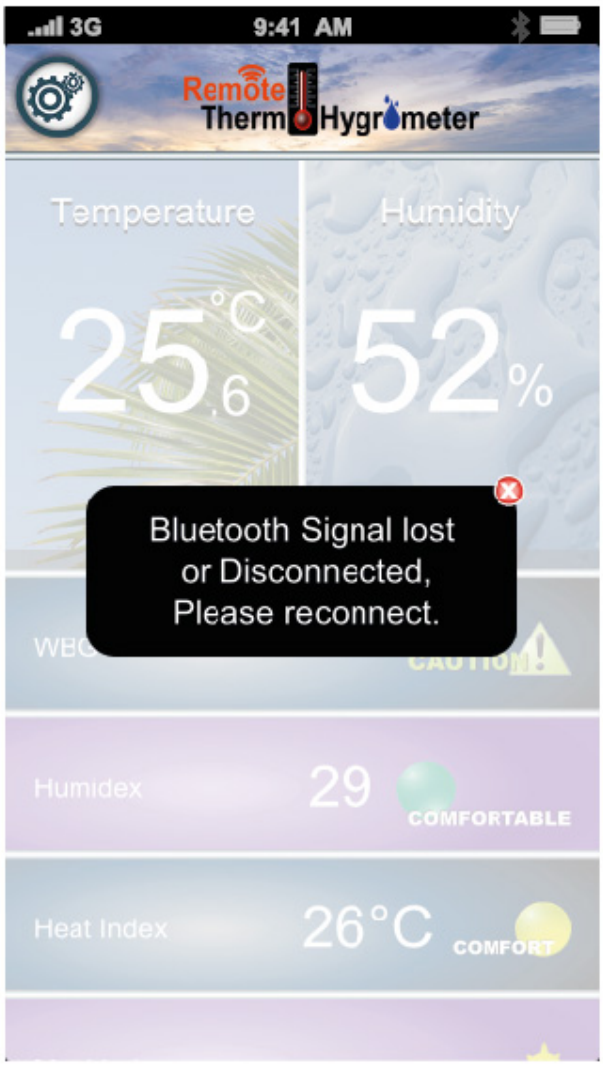


If Yes is selected, the Temperature and Humidity section of “Recorded MAX / MIN” will show - - .

Connection Failed or Disconnect

11. Connection Failed or Disconnect

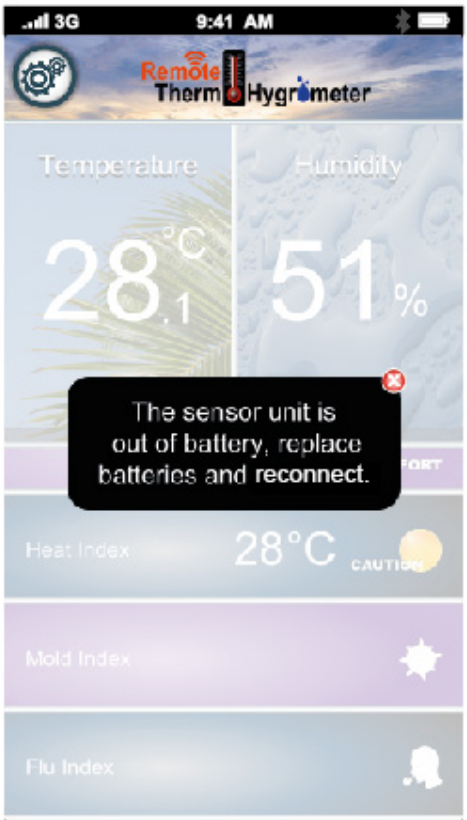
If your devices do not recieve any signal or disconnect with the network over 3 minutes. The App main screen will turn into transparent. A pop up menu will remind user the bluetooth signal is lost or disconnected.



Low Battery / Out of Battery

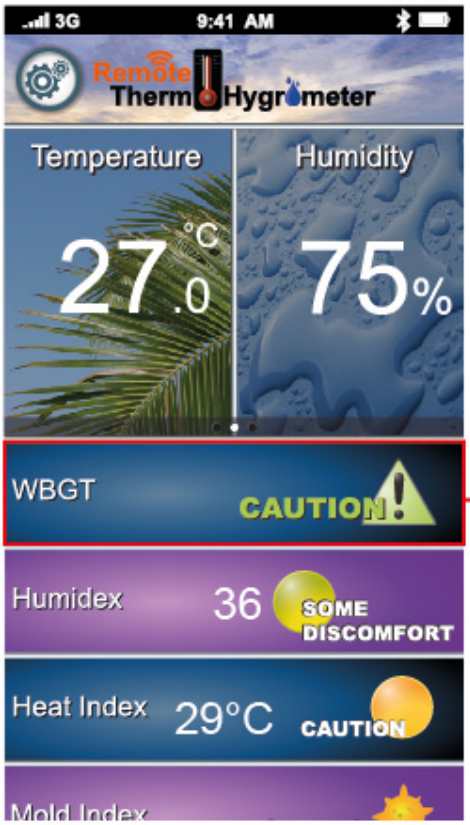
12. Low battery detection

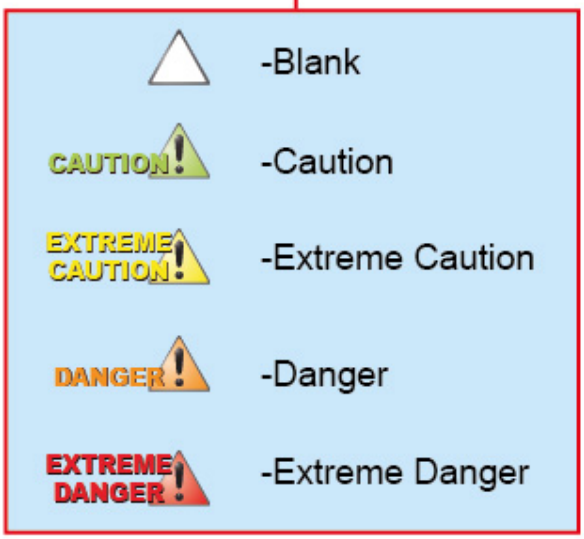
If RTH low battery, above pop up menu will appear on the screen.



If RTH out of battery, above pop up menu will appear on the screen.

WBGT Level





WBGT is widely used to measure the potential heat stress to prevent injuries replicated by temperature and humidity correlation.

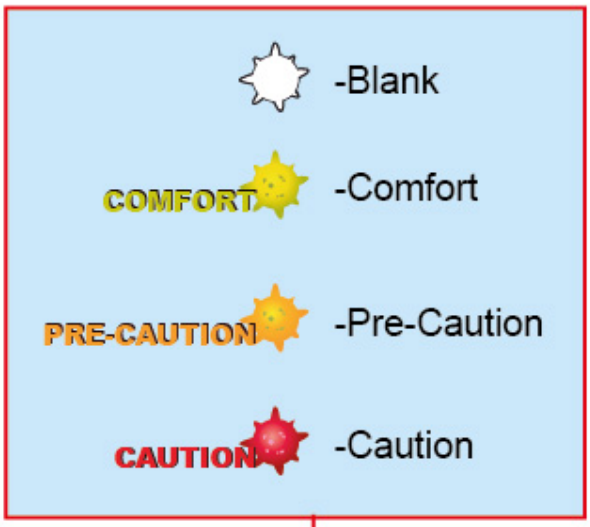
Humidex Level

Humidex is an index to describe how hot the weather feels to the average person based on temperature and humidity correlation.

Heat Index Level

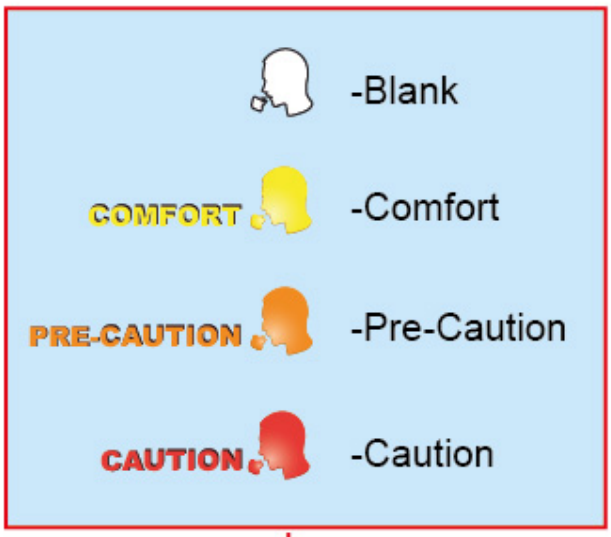
Heat index is an index that combines air temperature and relative humidity to determine the human perceived equivlent temperature - how hot the subject feels.

Mold Index



Mold index is an index to describe the condition that may encourage mold growth based on temperature and humidity correlation.

Flu Index



Flu index is an index to describe the condition if it is likely to transmit the common flu virus based on temperature and humidity correlation.

Care Of Your Sensor

- The sensor shall not be exposed to dripping or splashing.
- Do not expose the unit and batteries to humid, rain, sand or execessive heat caused by heating equipment.
- No objects filled with liquids, such as vases, shall be placed on the unit.
- No naked flame sources, such as lighted candles, should be placed on the unit.
- Do not cover the unit. Adequate ventilation with a small gap between the ventilation holes and surrounding surfaces.
- To clean the set, use a soft dry cloth. Do not use any cleaning agents containing alcohol, ammonia, benzene or abrasives as these may harm the housing.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.