

UIOT/QR4120: 1-5-02

“
Temperature and Humidity Sensor
”
Instruction Manual

**Ultimate IOT (Shanghai) Technology
Ltd.
R&D department**

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Document revision history

Date	Version	Description	Author	Approver
V1.0	2018.11.10	Initial release	YuHuaiFu	
V1.1	2019.07.01	Modification of network access key structure diagram	YuHuaiFu	

Product description

Appearance



Product parameters

- Color: Witer
- Material: Flame retardant PC
- Installation Method: Side/Horizontal mount
- Dimensions: 51×51×15mm
- Power supply:Cell CR2032
- Communication mode:Zigbee
- Communication distance: 50~80m(No occlusion)
- Temperature range: -10°C~40°C
- Humidity range: 0-90%RH
- Temperature accuracy: $\pm 1^{\circ}\text{C}$
- Humidity accuracy: $\pm 5\%$

※ Under normal conditions, the battery can be used continuously for two years. The data are from uiot laboratory. According to different measurement methods, the actual results may be slightly different.

Structure and installation

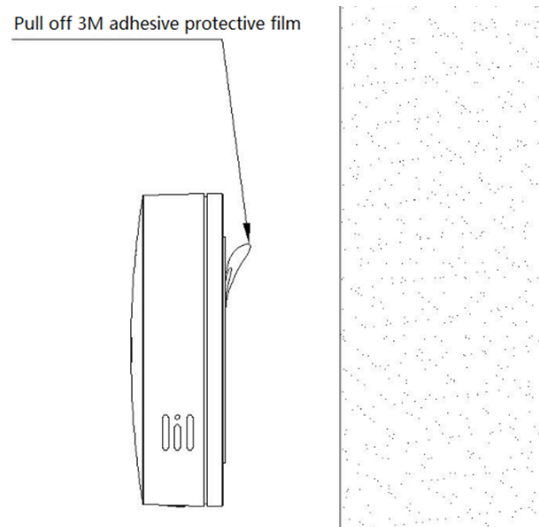
Product panel diagram



Installation product requirements

- The mounting surface of this product shall be clean and tidy.
- It can also be placed on the desktop.
- Do not install outdoors.

Installation steps



- Pull off 3M adhesive protective film.
- Fix the sensor on the wall or other objects with 3M glue.
- When ZigBee network access is turned on, press the network access button with the card taking needle for more than 3 seconds, and the sensor will join ZigBee network.

Installation precautions

- There are fragile devices in the product. Please avoid falling, heavy pressure and other destructive actions.
- The products are precision electronic devices. Pay attention to waterproof and avoid high temperature in use.
- Do not let foreign matters fall into the machine.
- Do not disassemble or refit the unit in any way.
- When fixing the bottom shell, do not press hard to avoid damage to the shell.

FCC Radiation Exposure Statement:

The transmitter must not be colocated or operated in conjunction with any other antenna or transmitter. This equipment complies with the FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.

Information to Users

According to the FCC Part 15.19, 15.21, and 15.105 rules, for this EUT, the instructions or operation manual furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

FCC Warning

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.

NOTE 1: 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 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.

NOTE 2: Any 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.

IC WARNING

This device contains licence-exempt transmitter(s) that comply

with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. L'appareil ne doit pas produire de brouillage;

2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

RF exposure statement

This equipment meets the exemption from the routine evaluation limits in section 2.5 of RSS-102. It should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.

Cet équipement est conforme à l'exemption des limites d'évaluation habituelle de la section 2.5 de la norme RSS-102. Il doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et toute partie de votre corps.