

Zigbee Temperature and Humidity Alarm User Manual

1.Product Overview

The zigbee temperature&humidity alarm is working with zigbee gateway. It uses advanced signal analysis and processing technology to provide user ultra-high-precision detection and anti-false alarm performance which is designed to guarantees the product stability. When the temperature and humidity of the detection environment exceed the set upper and lower limits, it would set linkage with other smart device as well as report to user so that he could remote monitor the premise temperature humidity real-time.

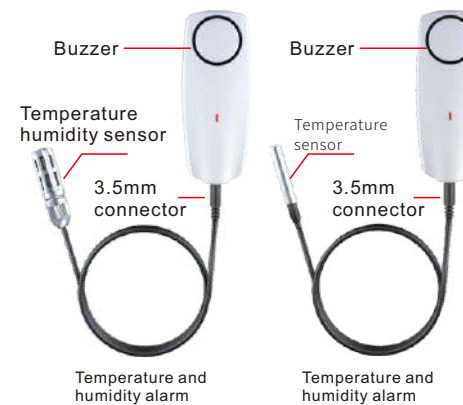
The product is widely used in family residential areas, real estate villas, factory buildings, computer rooms,warehouses, office buildings and other places.

2.Product features:

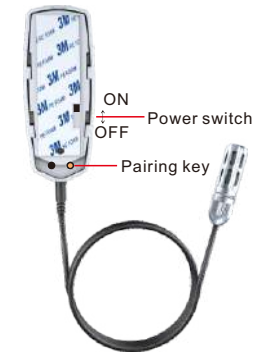
- 1) Ultra-small appearance, simple design saves limited space.
- 2) It can be used with USB power supply or battery; battery standby time is more than one year
- 3) Support temperature and humidity data export, data cloud storage up to 7 days
- 4) Wide coverage, strong wall penetration, good anti-interference performance, low heating and power consumption
- 5) Multi-network integration, free switch between WIFI and Zigbee. The device could set linkage even If there is no WiFi network.
- 6) Security assurance, privacy protection. It uses the high-level encryption method to transmit information via both WIFI and Zigbee to ensure network communication security and prevent malicious intrusion.

3.Product Picture

Front view



Back view



4.Parameter

Temperature alarm range: -20-85
Temperature and humidity alarm range: -20 - 100°C
Detection humidity: 0-99%RH (non-condensation)
Standby current: 1uA Working current: 0.2mA
Battery capacity: 450mAh

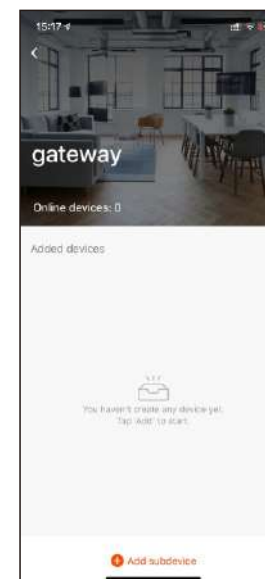
Battery standby time: 1 year
USB power supply: 5V1A Wake-up time: 10s
Temperature humidity accuracy: 0.5°C;1%RH
Measurement error: $\pm 1^{\circ}\text{C}$ $\pm 3\%\text{RH}$
Working channel: 11-26.400-2.483GHz
Transmitting distance: $\geq 40\text{m}$ (in the open air)
Transmission rate: 250Kbps
Wireless encryption: AES 128bit encryption;
WPA-PSK/WPA2-PSK; WPA/WPA2 Security Mechanism

5.Connect the device with gateway

- 1) Download Tuya Smart APP from APP store, install it and register it and then connect the gateway to your home wifi.
- 2) Open the gateway app --- Add sub-device -- Long press pairing key of the temperature humidity sensor for 6 seconds -- Device LED blinks rapidly --- Confirm the device led blinks rapidly on APP -- Connecting --- Added successfully



Open gateway interface



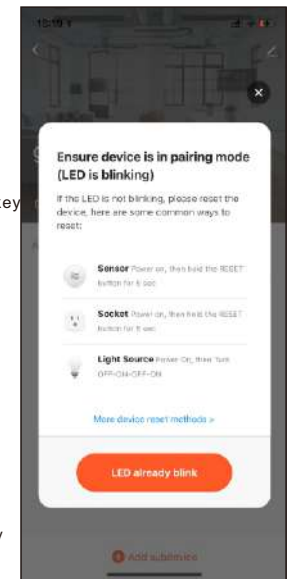
Add subdevice



Long press pairing key for 6 seconds



Green LED blinks quickly



Confirm device green LED blinks quickly



Search device

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Added successfully

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Temperature and humidity interface

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6. Tuya APP extended functions:

Example 1: The device makes call and/or sends sms to user when the it alarms

Open APP – Enter temperature humidity detector interface --- setting ---Phone /message notification ----after you purchased it successfully return to main interface – click smart – choose automation --- click + to create a smart scene(e.g. add a condition if the temperature above 30 degree) – – send notification – phone or message notification – at last press confirm and save it.

Example 2: Set linkage with other device when the temperature humidity sensor alarms

Open APP – Enter temperature humidity detector interface --- setting ---Phone /message notification ----after you purchased it successfully return to main interface – click smart – choose automation --- click + to create a smart scene(e.g. add a condition if the temperature above 30 degree – Run the device – choose other smart device (e.g. switch) —click turn on – at last press confirm and save it.

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2)Temperature humidity curve export

Open APP -- Temperature humidity interface--- click curve --- click export icon -- enter your mailbox

7.Precautions

- 1)The product is not designed to be water-proof or fire-proof. Do not put it in water or use it outdoor in rainy days.
- 2)The transmission distance between the device and the gateway is limited. If the device is beyond the range of the gateway, the temperature and humidity data on APP will not be changed.
- 3)This product can reduce the occurrence of accidents, but it cannot be 100% guaranteed. For your safety, in addition to using it correctly, the product should be regularly maintained. Trigger an alarm at regular intervals to make sure it works okay.
- 4)The device has a power saving mode, which collects data signals every 10 seconds. If the data remains basically consistent, the data will be uploaded once in 10 minutes. If the temperature changes more than 0.6 degrees Celsius (humidity 6%), the data will be uploaded immediately.

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- 5) If the device is disconnected from the network for more than 24 hours, the device would be offline from APP; the battery power status will be checked once every 8 hours (with an error of 10%).

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