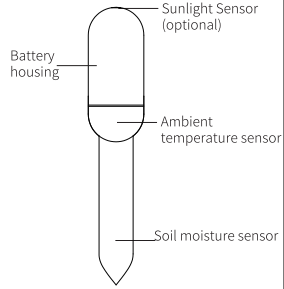
Soil Moisture Sensor

- User manual -

CE FC RoHS



Rotate counterclockwise to open Battery housing.

2. Press and hold the "Reset Key" button for 3 seconds until the red indicator light flashes, Enter configuration network mode Select the Zigbee gateway in the app, click on add new device, and wait for the binding to complete

The device must be connected to a Zigbee gateway in order to use it.

2 Installation Instructions

Insert the smart sensor into the flowerpot, If the soil is too dry, you can first pour some water in and then insert it into the soil.

3 Product Parameters

Product parameters	Soil moisture sensor
Wireless protocol	Zigbee3.0
Soil moisture range	0% ~ 100%
Temperature resolution	0.1℃
Humidity resolution	3%
AirTemperature range	-20~60℃
Illuminance range	0 ~ 150000 lx
Battery Type	LR03 AAA x1
Working Voltage	DC 1.5V

FCC Statement

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.

Please read the manual carefully and use the product correctly

Thank you for purchasing and using this product, Before using the product, please read the manual carefully and use the product correctly. In order to avoid damage to the equipment, such as all consequences caused by abnormal operation, The company will not bear any responsibility.

* The pictures in this manual are used to guide the user's operation and are for reference only. Please refer to the actual product for details.

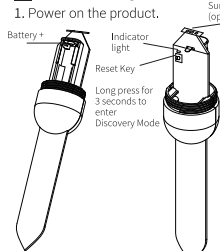
• Product description

The main function of this product is to detect soil moisture and the ambient temperature of flowers and plants.

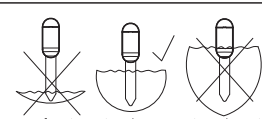
Waterproof performance: Resistant to overhead watering; do not submerge in water.

1 Network Configuration

1. Power on the product.



Rotate counterclockwise to open battery housing . Insert 1×LR03 (AAA) battery, observe polarity markings.



1. Before inserting the sensor into the soil, please ensure that the surface of the "soil moisture sensor" is clean.

2.Insert the sensor into the soil for no less than 2/3. Ensure that the sensing surface of the moisture sensor is in contact with the soil。

3.After insertion, wait for about 30 seconds ~ 1 minute to detect the moisture level.

4.The sensor will collect moisture and temperature humidity values every 30 seconds. When the moisture value differs by 3%, the air temperature value differs by 0.3 °C, and the air humidity value differs by 5%, the data will be uploaded to the APP.

Standby Current	⩽20uA
Standby Time	⩾12 Months
Working Temperature	-10~ 55°C
Working Humidity	max 99%RH

Tip: Moisture detection may have some deviations, users Calibration can be performed on the APP according to the actual situation set up.

Only products marked "With sunlight sensor" on their packaging support illuminance detection.

The sensor collects light data every 30 seconds by default. It will upload data when the illuminance difference reaches 10%, and this parameter can be configured in the APP.

-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.

To assure continued compliance, any changes or modifications not expressly approved by the party. Responsible for compliance could void the user's authority to operate this equipment.
(Example- use only shielded interface cables when connecting to computer or peripheral devices).

This equipment 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.

FCC Radiation Exposure Statement

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.