

Smart Soil Moisture Sensor Gen2

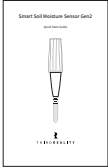
Quick Start Guide



Introduction

Smart Soil Moisture Sensor Gen2 is able to detect the soil moisture and surface air temperature of the soil in real time and transmit the data to your smart system through wireless communication capabilities.

What's in the Box

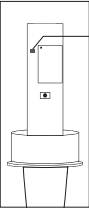


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Specifications

Name	Smart Soil Moisture Sensor Gen2
Model	3RSM0347Z
Operating Voltage	DC 1.5V
Battery Type	1 x AA Alkaline Battery (Included)
Wireless Connectivity	Zigbee 3.0
Temperature Range	-10°C~50°C(14°F~122°F)
Temperature Accuracy	±1.5°C
Humidity Range	0~100%
Humidity Accuracy	±3%
Frequency	2.4 GHz

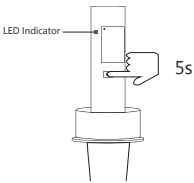
LED Status



LED Status	Description
Blue blinking	Pairing mode
Red slow blinking	Offline
Red double blinking	Low battery

Setup

1. Open the battery cover. Remove the battery insulation tab and install the battery.



2. Press and hold the reset button for more than 5 seconds until the LED light turns red, release the reset button and the LED starts blue blinking, indicating it enters Zigbee pairing mode.

3. Follow the instructions of your smart home hub / smart speaker with built-in Zigbee radio to pair the sensor in the corresponding app.

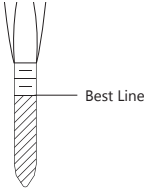
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Installation

- Recommend: Use a suitable tool to dig a small hole in the soil and then insert the sensor.
- When installing the sensor, make sure the marked Best Line is flush with the soil surface.



- Friction can damage the sensor and affect its accuracy. It is not recommended to insert the sensor directly into hard soil, which may damage the sensor.
- Designed to measure soil moisture ONLY.

Troubleshooting

Why does the soil sensor's "humidity" in Alexa display as temperature (F/C)?

1. Why does Alexa display soil moisture as "temperature (F)"?

This is because Alexa does not natively support the "soil moisture" sensor type. To ensure data can be recognized, displayed, and used for automation rules by Alexa, we report soil moisture values through the "Temperature" property, which Alexa already supports. In other words, the numerical value itself represents the "percentage humidity," but is displayed in the "temperature" field. You only need to look at the temperature to know the soil moisture.

2. What does the displayed F/C mean? Isn't this the temperature?

The F (Fahrenheit) or C (Celsius) displayed on the interface are merely Alexa's default unit labels for the "temperature attribute," and do not reflect actual temperature readings. In this product: The displayed "F value" = the soil moisture value. The displayed "C value" needs to be converted to "F value".

For example, if the interface displays "68 F", understand that the soil moisture value is 68 (%), not a temperature of 68 degrees Fahrenheit. The table takes 68 and 32 degrees Fahrenheit as examples to make it easier to understand.

Actual Humidity(%)	Fahrenheit(°F)	Celsius(°C)
68	68	20
32	32	0

Scan the QR code to view details



<https://bit.ly/4aPATLg>

FCC Regulatory Conformance

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. Any changes or modifications 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:

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- 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.

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. This device should be installed and operated with a minimum distance of 20cm between the radiator and your body.

ISED Caution:

This device complies with Innovation, Science and Economic Development Canada (ISED) licence-exempt RSS standard(s). 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.

Cet appareil est conforme à la ou aux normes RSS exemptées de licence pour Innovation, Science et développement économique Canada. Le fonctionnement est soumis aux deux conditions suivantes: (1) ce dispositif ne peut pas causer d'interférence nocive, et (2) ce dispositif doit accepter toute interférence reçue, y compris les interférences pouvant causer un fonctionnement indésirable.

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Limited Warranty

For limited warranty, please visit <https://thirdreality.com/faq-help-center/> For customer support, please contact us at info@3reality.com or visit www.thirdreality.com For questions on other platforms, visit the corresponding platform's application/support platform.

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