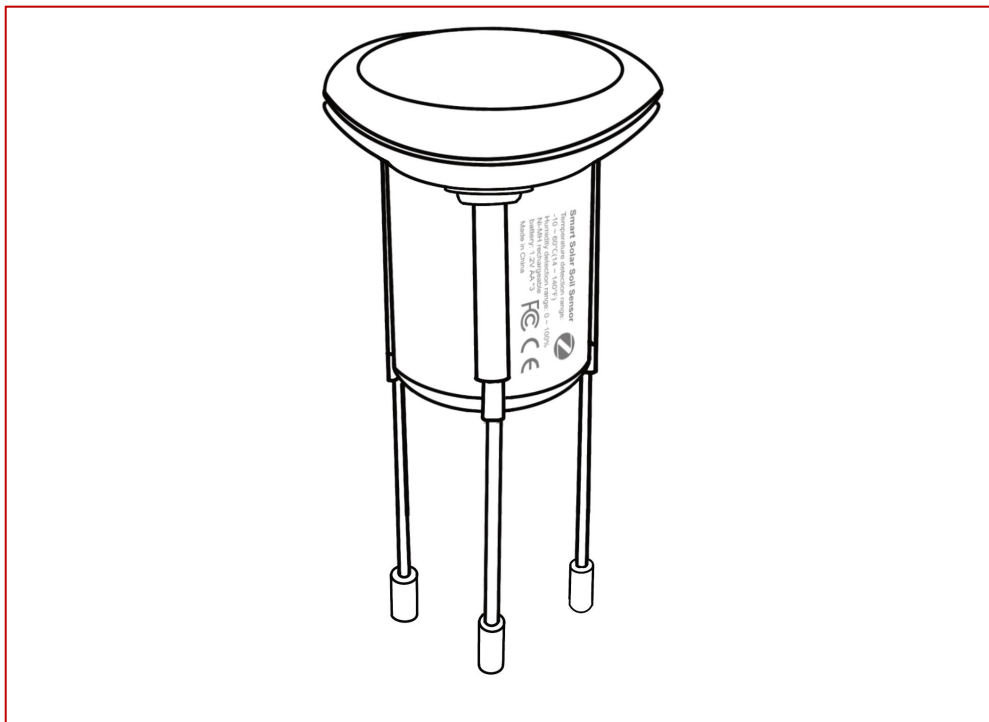


Specifications of Zigbee Solar Version Soil Sensor



Product Specifications

1. Product name: Zigbee Solar Version Soil Sensor
(temperature, moisture and Electrical Conductivity detection)
2. Product Size: 86mm*86mm *146mm
3. Product Weight:120g (battery not included)
4. Power Supply: 3pcs 1.2V AA Ni-MH battery(rechargeable through solar panel)
5. Solar Charging Current: 35mA
6. Wireless Protocol: Zigbee IEEE 802.15.4
7. Wireless distance: 50m
8. Waterproof level: IP66
9. Temperature detection range: -10~60°C(14°F~140°F)
10. Moisture detection range: 0~100%RH(Non-Condensing)
- 11.Maximum detection range of Electrical Conductivity: 20ms/cm
12. Temperature Detection Accuracy:0.5°C (Adjustable)
Moisture Detection Accuracy:5%RH (adjustable)
Electrical Conductivity Detection Accuracy: 3%FS 0.01ms/cm

- 13. Time span of detection: 10min (adjustable)
- 14. Working temperature: -10~60°C(14~140°F)
- 15. Working humidity: 0~100%RH (Non-Condensing)
- 16. Frequency: 2.4GHz
- 17. Communication Protocol: Zigbee 3.0

Indicator and corresponding device status

Device Status	LED State
Mode of waiting for configuration	Led flashes quickly(2 times per second)
Reset	Press the reset key and hold it for 7 seconds. During holding the reset key, the led state keeps on. Once the led flashes , it means soil sensor has been reset successfully.

Function Features

- 1. Support Zigbee 3.0 protocol, low consumption, the maximum range can reach 50m for wireless connection;
- 2. Support battery charged through solar power
- 3. Support detecting soil's temperature, moisture and Electrical Conductivity
- 4. Support IOS and Android system and free App;
- 5. Support to set the sensitivity of soil's moisture and temperature, in order to adjust the variation range of soil's moisture and soil temperature;
- 6. Support to set the time span of detection, in order to adjust the count of report
- 7. Support to switch between Fahrenheit and Celsius degrees
- 8. Support to check history record via curve chart;
- 9. Support multi-account sharing, in order to adjust the device and receive notifications;
- 10. Support scene linkage with other devices.