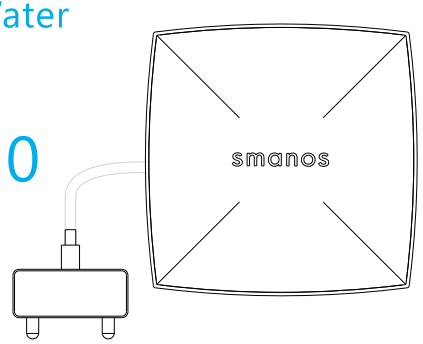
smanos

Wireless Water Sensor

FD2200

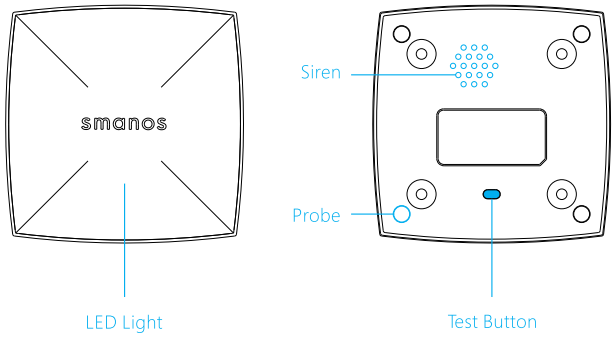


User Manual

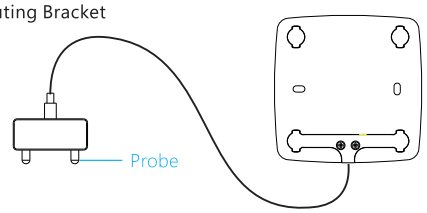
Introduction

The Water Sensor detects fluid leaks in time, it works alone or with any smanos alarm systems. When triggered, the built-in 80dB siren goes off and sends notifications to the homeowner when water is detected. The long-lasting battery life up to 4-5 years; With IP67 waterproof function, it can work as usual even floating in the water; Easy to install, perfect for kitchen, bathroom, living room and other places needed to prevent the leak

Product Overview



Wall-mouting Bracket



LED Indication

Flashes once per second: Water is detected, a signal would be sent if the sensor is paired with control panel.
Flashes once per three seconds: Low battery, a signal would be sent if the sensor is paired with control panel.
Lights on for 2 seconds: Power on/off.

Usage

Power on/off

Power on: The default setting is power off. To power on, you can press the Test Button for 5 seconds until you hear a short beep.
Power off: When the system is power on, press the Test Button for 5 seconds until you hear a long beep.

Detecting and alarming

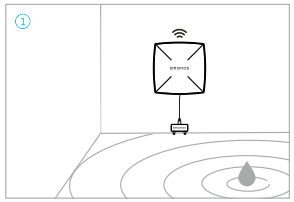
When the metal probes of the sensor (or the probes on the extension cable) reach or detect water, after 4 seconds, the build-in siren will sound on site (the build-in siren is default to sound for 1 minute) and send the signal to the paired control panel.

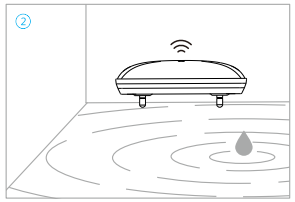
Pairing with the control panel

Step 1: Get the control panel into the pairing state (Refer to the use manual of the control panel).
Step 2: Press the Test Button on the sensor, control panel would beep once if the pairing is successful. It means the sensor already paired if you heard two beeps.
Once the sensor is paired with control panel, the sensor would send signals to it when water is detected.

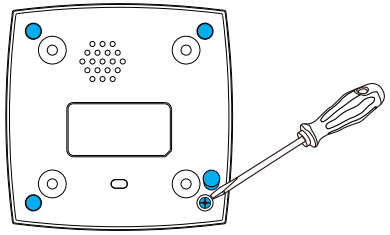
Two ways of installaion

Option 1: Wall mount
Option 2: Flat on the Ground without the wall-mouting bracket





Changing battery



Specifications

Power supply: DC 3V (3V CR123A x 1PCS)
Static current: < 12.9 μA
Alarm current: < 75 mA
Transmitting distance: < 80 m (in open area)
Radio frequency: 915 MHz
Housing material: ABS plastic
Operating condition:
Temperature: -10 °C ~ +50°C
Relative humidity: < 95% (non-condensing)
IP Rating: IP67
Sensor dimensions (L x W x H): 90.3 x 90.3 x 34.8 mm
Probe dimensions (L x W x H): 37.8 x 8 x 22.5 mm

Ver: FD2200-UM-EN-V1.0

FCC STATEMENT

Warning: 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.

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:
① Reorient or relocate the receiving antenna.
② Increase the separation between the equipment and receiver.
③ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
④ Consult the dealer or an experienced radio/TV technician for help.

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.

Industry Canada Notice

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.
Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.