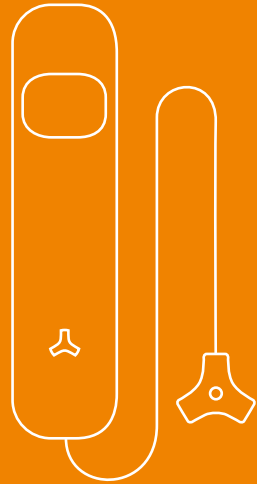# SS-F01(PLUS)
Wireless Water Leakage Sensor

The water leakage sensor is designed with low consumption and long product lifetime. It has high accuracy and sensibility, strong anti-jamming ability, as well as high stability. The sensor detect the water by resistance change of electrode and MCU processor to analysis. The DIY full-sealed case ensures the reliability of the sensor. The sensor is commonly used in the dinning room, washroom, kitchen, restaurant, hotel, library, warehouse and anywhere should be protected from water.

Features:

Attractive design, easy to install.
PLUS series with lower power, Frequency Hopping Spread Spectrum for anti-interference.
1 year long lifespan of the battery, easy to replace.
High sensibility, quick response, low false alarm rate.
Photoelectric isolation and transformer isolation principle, more reliable and safer.
Full-sealed design, easy to use.
Main electrode protected with isolation layer, alarm will be triggered when water volume reached to a certain height.
Tamper protection, low battery notification.

Specifications:

Battery Type: DC 3V(2pcs 1.5V/AAAA)
Standby Current : SS-F01: ≤20μA
                 SS-F01 PLUS: ≤22μA
Alarm Current :   SS-F01:≤26mA
                 SS-F01 PLUS:≤30mA
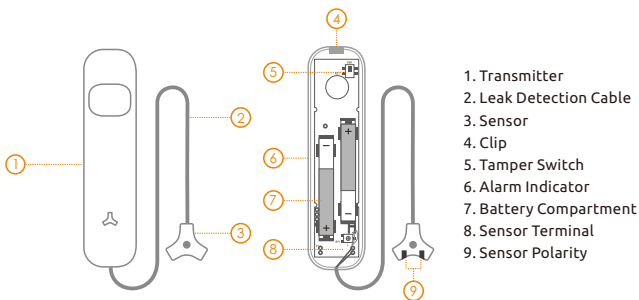RFI Feature: 25V/m(10Mhz-1Ghz)
Temperature: -20℃-55℃
Humidity: ≤80%(Non-Condensing)
Transmitter Dimensions (L*W*H): 21*90*18mm
Sensor Dimensions (L*W*H): 35*31*10mm
Cable Length: 95cm

Working Status:

1. Transmitter
2. Leak Detection Cable
3. Sensor
4. Clip
5. Tamper Switch
6. Alarm Indicator
7. Battery Compartment
8. Sensor Terminal
9. Sensor Polarity

Back LED Indicator:

Backlight flashes once every 3 seconds: Low battery, please replace the battery (AAAA LR61)
LED flashes once every 1 second: Detecting alarm/tamper alarm

Tamper Switch:

Once the case is opened, the tamper switch will be triggered, generating an alarm signal.
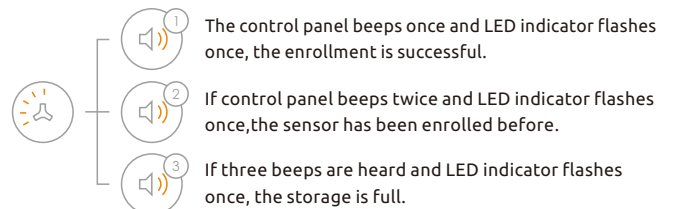
Connect to the Control Panel:

1. Press the enroll button, the control panel enters into enrolling status, the LED lights up in red(Press the enroll button again within 20 seconds to exit the enrolling status).

2. Put the water sensor into the water to trigger the alarm (The sensor has been enrolled, and set in 24-hour zone as default)
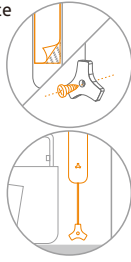
The control panel beeps once and LED indicator flashes once, the enrollment is successful.

If control panel beeps twice and LED indicator flashes once,the sensor has been enrolled before.

If three beeps are heard and LED indicator flashes once, the storage is full.

Note: Please do not use the tamper switch or trigger low battery to enroll.

Test & Installation:

When powered on, LED indicator light up for one second, once the water sensor detects the water, it will trigger an alarm.

1.Keep the sensor at the end of cable is close to the base of the area to be monitored(about 1-2mm away).Fix the sensor on the place by using the screws. The sensor should NOT be touching the surface to be monitored.

2.Once sensor is in postion, use the included double-sided tape to secure the main unit to a clean,dry surface. Avoid mounting sensors in areas with a large quantity of metal and electric wiring.

Operating Instructions:

1. When there is water leakage or overfall happens, once the sensor detected the water, the indicator light up in red and immediately inform the users by SMS or phone call.

2. Please turn off the system when you sweep the floor or clean the sink to avoid the false alarm.

3. After the water leakage situation has been solved, the sensor will be back to normal working status.

Alarm Management:

When an alarm occurs, you have to manage the alarm situation immediately:
1. Shut off the water valve.
2. Draining the water out off the floor and check the water piping to avoid property loss and the waste of water.

Notice:

1. If the sensor is still in alarming status after water leakage situation has been solved, it is probably the remaining water in the water sensor. Then please dry the surface of sensor to see if it works properly. If the sensors still in alarming status, you can remove the sensor cable and shake it to keep dry and connect again.
2. To keep the sensor work properly, please replace the battery immediately when low battery triggers an alarm.
3. There should have no any stuff on the certain surfaces in case of it influence the indication and sounding.
4. In order to ensure the reliability of the sensor, it is suggested to clean the surface using soft brush regularly.
5. Install the sensor properly as the user manual, any malfunction of the sensor discovered, please contact the supplier or after-sale service center, do not disassemble and repair without professionals.

⚠ Installation Notes:

1. The sensor should be installed in the water leakage area.
2. Do not install in the cabinet or anywhere may influence the sound.
3. Do not install in the area with rain, smoke or steam.
4. Do not install in the water, it will cause a false alarm.