

Zigbee Water Leakage Detector



Ref: 1870348

EN User guide



somfy.

1. SAFETY AND IMPORTANT INFORMATION

Read this user guide carefully before installing and using the Somfy Water Leakage Detector.

This user guide describes the installation, commissioning and use of the products.

Before beginning installation, make sure that the Somfy Water Leakage Detector is compatible with the equipment and associated accessories.

Any incorrect use will invalidate the warranty and Somfy's liability.

⚠ CAUTION

- This product is designed for indoor use only.
- Always keep the main body of the product dry.
- To prevent fire or shock hazard: Do not expose the product to excessive heat by heating equipment or direct sunlight.
- No naked flame sources, such as lighted candles, should be placed nearby the product.
- Do not allow the main body of the product to be submerged in water.
- This main body of the product shall not be exposed to dripping or splashing.
- To clean the product, use a soft cloth with plain water to wipe. Do not use cleansing agents containing alcohol, spirits, ammonia or abrasives as they may harm the product.
- Do not disassemble the product.
- Do not operate the product in a place where temperature is below 0°C or above 45°C.
- Do not allow the children to access the product during the installation.
- Replace the new battery with [+] & [-] polarity as shown in the battery compartment.
- Dispose the used battery in a proper place where the children cannot access, swallowing the battery will lead to the injury OR death of the children.
- Remove the battery and safe keeping if you don't use this product for a long time.
- Batteries [battery pack or batteries installed] shall not be exposed to excessive heat such as sunshine, fire or the like.

2. PACKAGE CONTENT

1. Water Leakage Detector x 1
2. Bracket x 1
3. 3M tape x 1
4. CR123A x 1 [3V dc]
5. User guide x 1 [English]

3. PRODUCT DESCRIPTION

Water Leakage Detector is designed for use in home automation system under Zigbee 3.0 protocols, the Water Leakage Detector lets you know whether water leakage is found and will be emitted sound to inform you.

This device is compatible with SOMFY gateway [i.e. TaHoma Bee] or devices for remote control & interoperation.

Before the installation, please read the below note:

Water Leakage Detector is sensitive to the water leakage. Proper placement of the detector is critical to the accuracy and performance of this product.

1. Install the detector in areas where there is a concern about possible water leaks, such as bathrooms, basements, water heaters, under clogged drains, under old pipes, or in other areas of your home that are prone to leaking. You can receive an instant alert.
2. Do not locate the detector in cabinets and other areas where the alarm sound cannot be heard.
3. Do not install in an area where it can come in contact with rain, oil smoke and steam from a kitchen range.
4. Do not install the detector in submersed water.

4. INSTALLATION

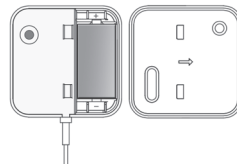
Caution: All installation on this product must be performed by qualified or licensed electrician

Step 1:

Remove the bracket from the Water Leakage Detector.

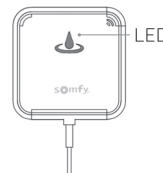
Step 2:

At first time to install the product, please remove the plastic tab from the battery compartment to allow the connection to the terminal.



Step 3:

Water Leakage Detector will be in pairing status when power turns on the first time. This will cause an LED indicator light to flash once per second for 3 minutes. The LED indicator will stop flashing and keep on 10 seconds to confirm a successful pairing.



Step 4

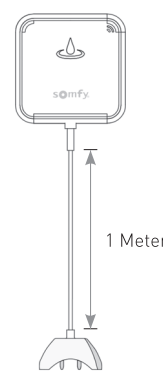
Mount the head of the detector around 1 meter above the floor to let the line draping freely and the probe touching the floor.

a. (Mounted by screws)

Drill the hole on the desired location then mount the bracket by screws.

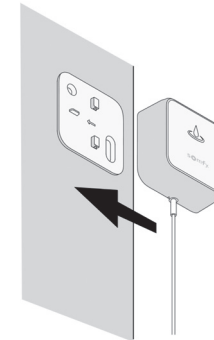
b. (Mounted by 3M adhesive tape)

Seal off the 3M adhesive tape on the bracket then stick it at the desired location.



Step 5

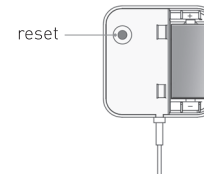
Fix the Water Leakage Detector on the bracket as the arrow direction shown. Then the installation finish.



5. USE YOUR PRODUCT

1. Reset:

After powered ON the detector, press & hold the key for 3 seconds to reset the detector, LED indicator will blink quickly. Once release the key, the detector will reset to factory fresh setting and the signal light blinks once per second to search a new enabled Zigbee network. Reset procedure deletes memory, including all information on the Zigbee network and the gateway. The detector will be under pairing mode & the App or gateway could pair at instant.



2. Join the network:

After the detector is reset to the factory fresh setting, the signal light blinks once per second and detector starts searching an enabled Zigbee network. If detector enrolled successfully, it will stop blinking and stay on for 10 seconds then turn off; If no available networks were found within 3 minutes, the detector will stop blinking and turn off.

3. Water detected:

Once the probe detects a water leakage, the LED Indicator flashes and the alarm beeps once per second. The alarm signal will be sent to the gateway once every 5 minutes. During the alarm status, the user can mute the buzzer by using the App. If the sensor still detects a water leak after 10 minutes, the detector will trigger the alarm again and another signal will be sent to the gateway and the user.

The alarm will be canceled if the situation as below.

1. Water leak is controlled/stopped
2. User presses the mute status by using the app
3. The button on the sensor itself is pressed
4. Power is turned off

Tip

When initially setting up the Water Leakage Detector, it is recommended to perform the setup task within 15 feet (4.5 meters) of the Zigbee Router.

Pairing to Gateway [Scan QR code]

1. Set the gateway (i.e. TaHoma Bee) in device pairing mode. (Configuration -> Add -> Zigbee device)
2. Scan the QR Code on the product.
3. Check the icon of "Water Leakage Detector" exist in the App.
4. Follow the instructions to join the Network.

Alert Low Voltage status to replace the battery

The detector inside the Water Leakage Detector will send the signal to alert the gateway while in low battery status. Replace the battery timely on low battery warning to ensure the detector works properly. To replace the battery, open the battery compartment and install the new battery into the detector.

6. TECHNICAL SPECIFICATION

| | |
|-----------------------|--|
| Model | 1870348 |
| Power Supply | Battery |
| Power Source | 3V dc, CR123A x 1 |
| Battery Life | 2 years (Alarm turns on 1 time per month) * Subject to change for the water leaks detection frequency |
| Mounting Method | Screws or 3M Tape |
| RF Protocol | Zigbee 3.0 |
| Radio Frequency | 2.4Ghz |
| Maximum RF Power | <10dBm |
| RF distance | At least 40 meters outdoor LOS * The maximum distance can be reached 100m |
| Low Battery Detection | Support to send the "Low Battery" status to the Gateway |
| Operating Temperature | 0°C - 45°C |
| Operating Humidity | Up to 85%, Non-condensing |
| Dimensions | 50(L)*50(W)*24(H) x 1045mm (length of probe and line) |
| Weight | 55.2g±5% |

7. TROUBLESHOOTING

| Problem | Possible Causes | Solutions |
|--|-------------------------------------|--|
| Can't turn on the Detector | Out of battery | Please replace the battery per the instruction |
| Pairing failed | Network settings are incorrect | Check the gateway setting |
| Can't operate the device through the App | Mobile can't connect to the gateway | Check the wireless setting in the mobile |