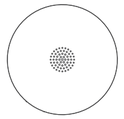
220.00mm

110.00mm

Water Leakage Alarm User Manual

M420-77Ever1.0

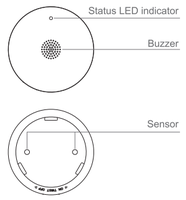


*Please read the user manual carefully before operation, The guide picture is for reference only, please in kind prevail.

01/Product Introduction

This Water Leakage Alarm adopts Zigbee wireless technology is used for detecting leaked water and flooded water indoor. It will issue alarms if leaked water is detected and send alarm notification to user remotely. With high precision and sensitivity, the water leakage alarm can work high stably for a long time. It's suitable to be used in basement, machine room, hotel, water tower, water cellar, pool, swimming pool, kitchen, bathroom and other places where water leaking is possible.

02/Illustrations



03/Technical Parameters

1. Working voltage: DC3V (1×CR17335/CR123A battery)
2. Alarm indication: red LED indicator
3. Alarm sound: >75dB(at 1m straight ahead)
4. Networking: Zigbee
5. Network Distance: ≤100m(open area indoor)
6. Working temperature: 0~C ~ 50~C
7. Working humidity: ≤95%RH (no condensation)
8. Battery Life: 5 years (Battery life varies depending on actual use.)
9. Dimensions: Φ69.0mm X H27.6mm
10. Protection Against Moisture: IP67

04/Functional Description

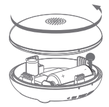
1. When the water leakage sensor detects leaked water, its red LED indicator will flash quickly, accompanied by short quick " beep " alarm sounds; when the sensor detects no water, it will return to its normal working status.
2. Freezing temperature notification is supported.
3. When an alarm occurs, hush function can be set remotely. Hush time is about 10 minutes. If water leakage is still detected after 10 minutes, the alarm will continue.

05/LED Indicator Status

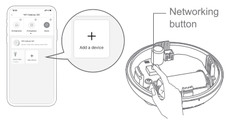
LED Indicator	Product Status	Alarm Sound
Green LED indicator flashes quicky	Connecting the network	/
Green LED indicator flashes slowly	Quitting the network	/
Green LED indicator keep on for 3 seconds and then goes off	Network inclusion is done	/

LED Indicator	Product Status	Alarm Sound
The red LED flashes once about every 53 seconds	Normal Working	/
The red LED flashes once about every 53 seconds	Low Power	The buzzer beep every 53 seconds
Red LED flashes quickly	Alarm	Buzzer "Di Di Di" continuous alarm sound

06/Networking



• Rotate the upper cover counterclockwise out of the water leakage alarm and remove the battery insulation tape.



• Open APP and enter into gateway, then tap"+" to add water leakage alarm according to the instructions.

• Add device: According to APP prompt, long press networking button for 5 seconds, device comes into networking state, green LED flash quickly (5 times per second). Networking success when green LED keeps on for 3 seconds and then goes off, and APP will prompt networking success. If networking failed, green LED flash slowly (2 times per second) for 3 seconds, then goes off, APP will prompt networking failed. If device can not networking successfully in 60 seconds, networking will stopped and green LED goes off.

• Note: Press networking button again during networking state, networking process will be stopped, green LED flash slowly in 3 seconds(2 times per second).

• Align the short line mark on the top cover to the short line mark above "OFF" position on the bottom cover, and rotate the top cover clockwise until you hear a "click" sound.

Tips

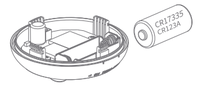
1.Due to the APP upgrade and update, this guideline may be slightly different from the actual operation, please follow the instructions in the APP.

* If networking failed, please move the device closer to the gateway and try again.
* Please add the device to the gateway first, and then install and fix it.

07/Application

Place the product in a location where likely to occur water leaking.

08/Battery Replacement



Rotate the upper cover counterclockwise, remove the battery, then insert the same type of battery and align the short line mark on the top cover to the short line mark above "OFF" position on the bottom cover, and rotate the top cover clockwise until you hear a "click" sound.

09/Attention

a) It's forbidden to be used in highly corrosive environments (such as H2S, SOX, Cl2, HCl, etc.).
b) Do not subject the product to strong shocks and vibrations, otherwise the product and its accessories may be damaged, resulting in product failure.
c) Organic solvents cannot be used to clean the product. The user can clean the product surface with a soft cloth.
d) If there happens a product failure, please contact the local dealer. The user is forbidden to disassemble the product privately.

10/Troubleshooting

Problem	Solution
One short "beep" sound	Replace with a new battery
The alarm device does not respond	Install a new battery
	Contact with local dealer

11/Statement

• The information in the user manual is for reference only and does not constitute any form of commitment.
• Without the written permission of the manufacturer, any individual or organization shall not extract or copy part or all of the contents of this user manual, and shall not spread it in any form.
• As the technology is constantly updated, the manufacturer reserves the right to modify the user manual without prior notice. If the user manual and the actual operations is inconsistent, the final interpretation is reserved to the manufacturer herein.

165mm

55mm

FCC Statement

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.
(2)This device must accept any interference received, including interference that may cause undesired operation.

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.

1

FCC Statement

This equipment generates uses and can radiate radio frequence 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 quipmemt 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:
• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.

2

FCC Statement

• Connect the equipment into an autlet on a circuit different from that to which the receiver is onnected.
• Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement,This equipment should be installed and operated with a minumum distance of 20 cm between the radiator and your body.

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