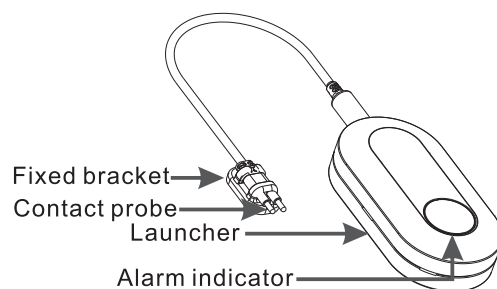


# MD-230R Wireless Flood Detector Instructions

## 1 Introduction

The MD-230R water leakage detector changes the impedance of the detection electrode after it is immersed in water and uses a dedicated integrated chip to amplify, reshape, and compare the input signal of the water immersion, and outputs a dry contact or a high and low level change signal, only if the position of the transmitter is Water and transmit information through wireless transponders. The structure adopts an integrated fully sealed plastic housing design, which ensures the high reliability of the product.

This product has high reliability, anti-interference, high sensitivity, fast response time, easy installation and so on. Suitable for communication base stations, precision machine rooms, libraries, warehouses, and other places where there is a need for alarm when there is accumulated water.



## 2. Technical parameters

**Model Number:** MD-230R

**Wireless transmission distance:** 120m (open space)

**Transmission frequency:** 433MHz/868MHz (optional)

**Working voltage:** 3V, using 2 batteries (AAA)

**Normal operating current:**  $\leq 20\mu\text{A}$

**Maximum current consumption for alarm:**  $\leq 15\text{mA}$

**Alarm indicator:** red light

The indicator light flashes every two seconds when the alarm is on

**Self-inspection report:** send a self-check code to the host every 3 hours

**Working environment:**  $-10^{\circ}\text{C}\sim 50^{\circ}\text{C}$

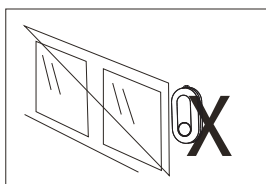
## 3. Main functions and installation

3.1 The main functions of the flood detector series:

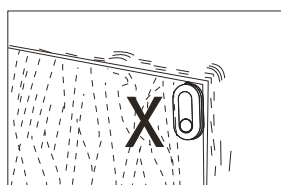
- A. Using micro-power dedicated CPU;
- B. Using the patent Mutil code;
- C. Automatic status report;
- D. Anti-lost alarm

3.2 Installation Instructions

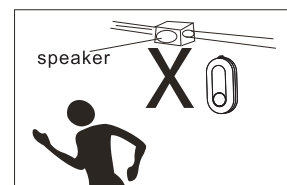
Please pay attention to the following situations before installation to avoid normal use after installation.



Do not install outdoors in an easily damaged location



Don't install on a unstable base

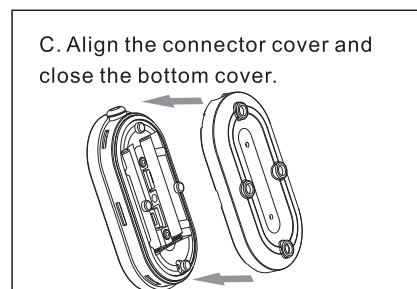
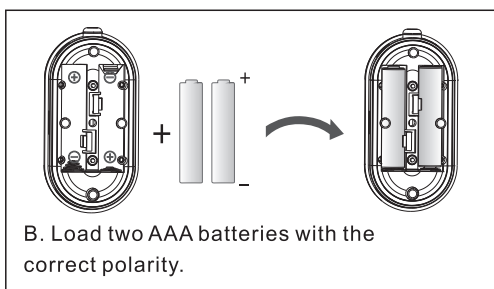
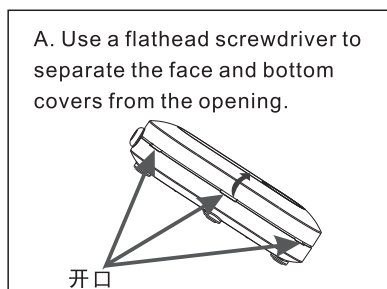


Don't install near magnetic objects

3.3 Installation Introduction

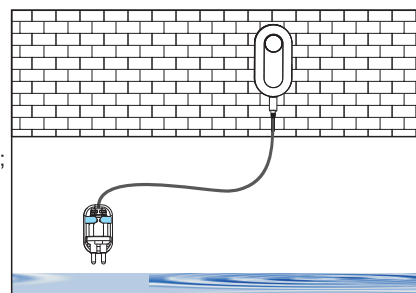
1. Battery installation: The battery we use is AAA battery. No battery is installed in the detector before shipment.

Please install the battery. Installation steps:



2 detector installation:

- A. Use screws to fix the fixing bracket to the position to be tested, and the open end of the bracket faces upward;
- B. Insert one end of the cable into the transmitter;
- C. Insert the sensor head into the bracket, taking care to point the two poles down;
- D. Attach the transmitter to the wall with double-sided tape. Be careful to keep it away from water.



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3. Coding:

A. set the wireless host to "automatic code" mode.

B. Make the MD-230R enter the working mode and touch the probe to make the transmitter send code. The host will automatically learn the code.

C. Users can also enter the address code directly by manually entering the address code: Set the host to the detector's manual input mode, and then enter the 9-bit address code on the transmitter tag.

#### **4. Maintenance**

4.1 The battery life is approximately one year. When the transmitter sends a low voltage signal to the host, replace the battery as described above.

4.2 The detector may become contaminated after long-term use. Wipe with a damp cloth or sponge.