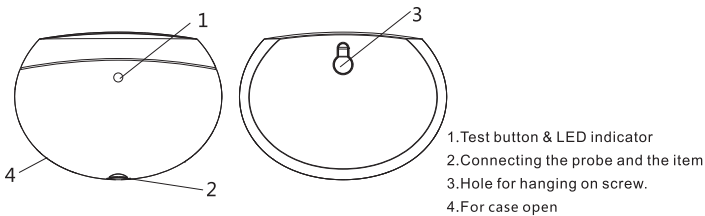


Wireless Temperature Detector Manual



The wireless temperature detector adopts 16-bit MCU, RF technology which can solve the problem of signal stack and interference. Built with super low power consumption, low battery reminding, anti-tamper alarm, period supervision, it can be used for banks, warehouses and houses for security reason.

1. General View



2. Specification

Working voltage	3V (CR2450 battery) ;
Alarm power consumption	<30mA;
Stand-by current	<10uA;
Installation	Wall-mounted
Detection	Temperature sensor
Low battery alarm	2.5V±0.2V
Frequency	433MHz/868MHz
Transmission power	≤10dB
Transmission distance	>100m
Coding	IOT Protocol
Working temperature	-20°C~+70°C

3. Installation Instruction

1. Choose the right place to install the detector.
2. Choose the right place to fix the screws.
3. Remove the battery insulating strip in the detector, LED light flashes 3s, which means the battery works normally.
4. It is necessary to register this product when it is first time to use or when the panel is changed. Get the panel in registering status, put the probe in the detector, the LED light flashes, which means the detector is sending signal to the alarm panel. After the panel confirms the signal, the registering is finished. Or please repeat the operation until the registration is successful.
5. Hang the detector on the fixing screw. When the probe is taken out and the LED light flashes, the detector sends the anti tamper signal. When the probe is connected to the detector, the LED light flashes, and it sends the anti-tamper resume signal.
6. Use the test button to set the detection temperature: Press the button for 3s, and it flashes 2s to enter the status to choose modes. Please press the button again to choose mode as below: (mode 4 is factory default)

Mode	Application	Alarm condition		Restore condition		LED
		Threshold	Duration [min]	Threshold	Duration [min]	
Mode 1	Freezer fault	Temp rises above -10°C (14°F)	30	Temp drops below -11°C (12°F)	10	Flash 1 second
		Temp drops below 7°C (45°F)	10	Temp rises above 8°C (46°F)	30	
Mode 2	Normal Temp Sensing	Temp rises above 19°C (66°F)	10	Temp drops below 18°C (45°F)	30	Flash twice
		Temp drops below 19°C (66°F)	10	Temp rises above 20°C (68°F)	30	
Mode 3	Normal Temp Sensing	Temp rises above 35°C (95°F)	10	Temp drops below 34°C (93°F)	30	Flash 3 times
		Temp drops below 7°C (45°F)	10	Temp rises up to 8°C (46°F)	30	
Mode 4	Normal Temp Sensing	Temp rises above 35°C (95°F)	10	Temp drops below 34°C (93°F)	30	Flash 4 times
		Temp drops below 7°C (45°F)	10	Temp rises up to 8°C (46°F)	30	

if there is no operation in 15s, the setting status will quit automatically, you can also have a quick quit if you press the LED for 3 s.

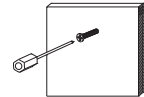
7. When the detector enter into normal working status, if detected above conditions or the temperature increase or decrease 8.3°C, it will send alarm signal to the panel, and LED indicator will flash quickly for 10 seconds;
8. This product has low battery alarm. When the voltage is lower than 2.5V±0.2V, it will sends the low battery signal to the alarm panel, the LED light flashes every 5s to remind to replace the battery until the battery is used up.
9. It has periodical supervision, which means the detector sends the supervision signal to the alarm panel every 4 hours to report the status of the detector. The factory default is ON.

4. Installation

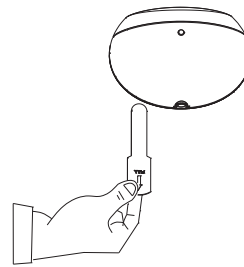
- ① Install the probe to the place you want to detect.



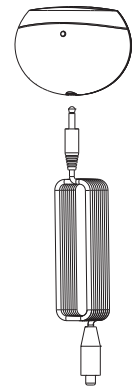
- ② Fix the screw to the wall



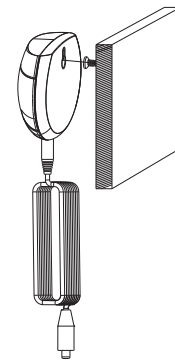
- ③ Take off the battery insulating strip



- ④ Connect the probe to the item



- ⑤ Fix the item to the screw



5. Notices for installation

1. This product is designed with super-low power consumption. Please wait for 5 seconds after taking off the old battery, and then replace with the new one.
2. Please refer to the installation manual for install and use.
3. Do not install this product on the metal window and door etc. to make sure the best transmission distance.
4. Though this product can reduce accident, it do not ensure perfectly safe. For your security, please enhance security consciousness in daily life besides using this product, and do the maintenance test timely.
5. Please take off the battery if this product is not used for a long time.
6. This product is not water-proof. Just put the temperature detector indoor and the probe outside the house when you want to detect the temperature outdoor.