Operation Instruction

M-237W Wireless Infrared Detector

Make your choice......

1 Safety Instruction

⚠ Thank you for buying this product. Please read this manual before installation.
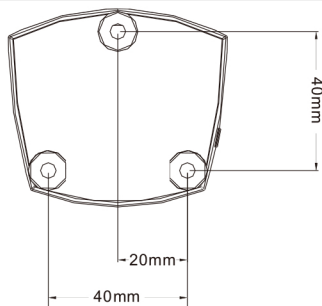
2 The overall structure parts

1 bottom cap
2 Mounting screw holes×3
3 Wiring label×2
4 emitter
5 receiver
6 indicator light
7 6F22 9Vbattery
8 Coding switch
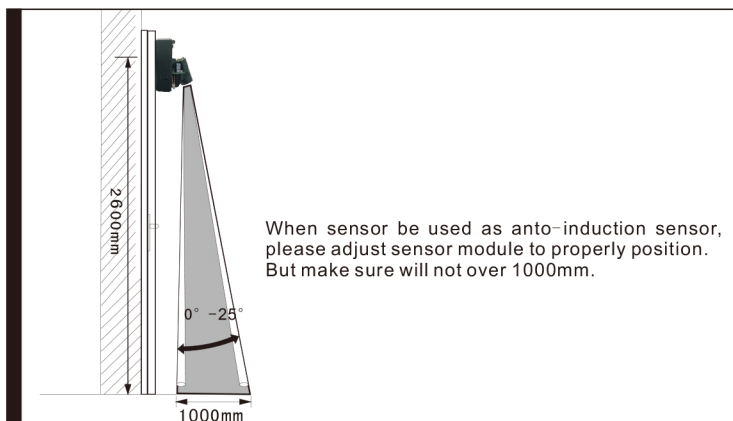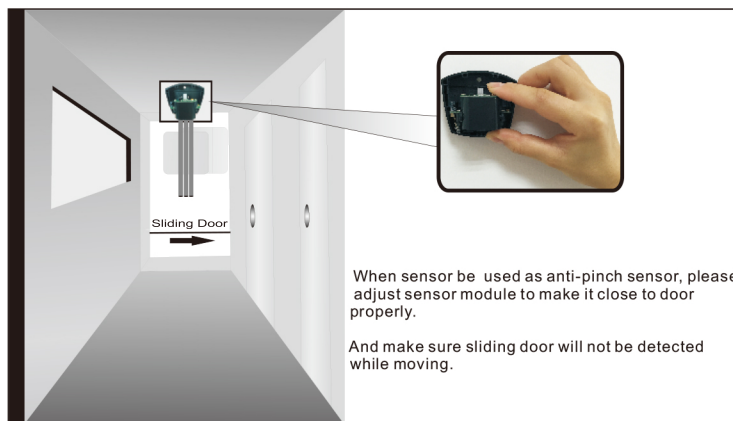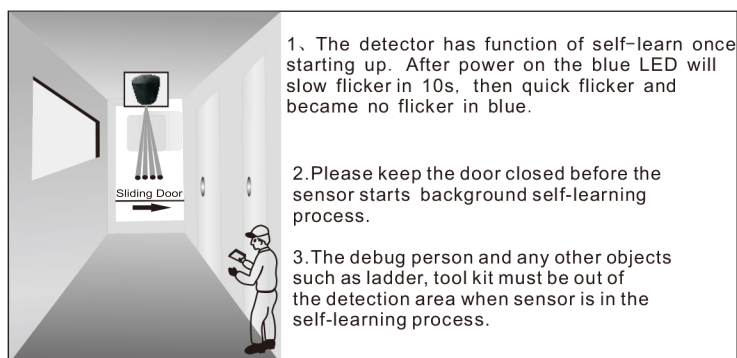9 Filter & cover
10 bottom cap
11 Power switch

3 The overall quality

■ Adopt wireless emit&receive technology, easy for installation.

■ One-piece cover design, beautiful, dustproof, easy fixed and installation.

■ Can be used in supermarkets, stores, and various kinds of automatic door which pedestrian pass through frequently. can be used as Human existence detection in small space. Also has auto-induction and anti-pinch function.

■ one way to emit ,one way to receive, intelligent adaptive infrared sensors.

■ Induction area and Angle can be adjusted.

■ Always self-correcting once be influenced by quake, distortion, move, dark and sunshine. Ensure the sensor can work durable.
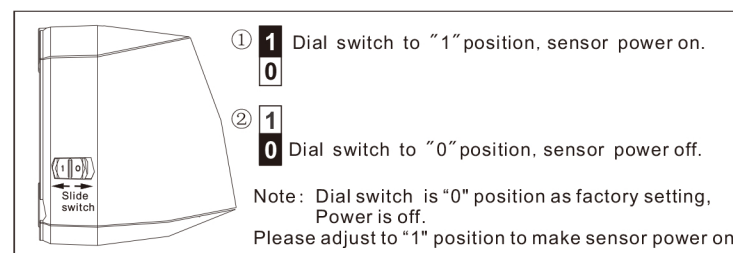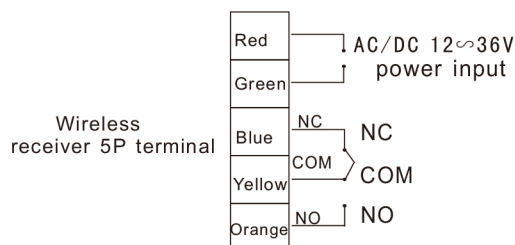
4 Installation Dimension

40mm
20mm
40mm

5 Installation and adjustment

Sliding Door

1、The detector has function of self-learn once starting up. After power on the blue LED will slow flicker in 10s, then quick flicker and became no flicker in blue.

2.Please keep the door closed before the sensor starts background self-learning process.

3.The debug person and any other objects such as ladder, tool kit must be out of the detection area when sensor is in the self-learning process.

Sliding Door

When sensor be used as anti-pinch sensor, please adjust sensor module to make it close to door properly.

And make sure sliding door will not be detected while moving.

2600mm
0° -25°
1000mm

When sensor be used as anto-induction sensor, please adjust sensor module to properly position. But make sure will not over 1000mm.

6 Function Setting

Slide switch

① **1** / **0** Dial switch to "1"position, sensor power on.

② **1** / **0** Dial switch to "0"position, sensor power off.

Note: Dial switch is "0" position as factory setting, Power is off.
Please adjust to "1" position to make sensor power on.

7 Input and Output

Wireless receiver 5P terminal

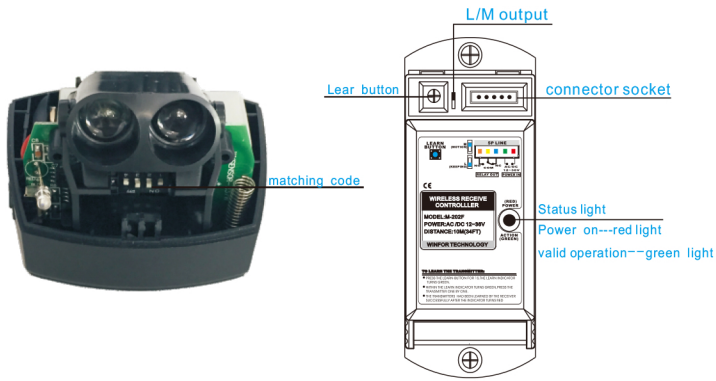| Red	
Green	AC/DC 12∽36V power input
Blue	NC
Yellow	COM
Orange	NO

8 Output state

① M / L M position: sensor outputs open signal around 2S for every operation.

② M / L L position: Sensor always outputs open signal for every operation.

9   Matching way

L/M output

Lear button

connector socket

matching code

Status light
Power on---red light
valid operation--green light

■ This product is with the function of coding self-learn.Make sure the code of
   sensor has been learned into the receiver before using
   (16 kinds of codes can be learned).

■ Operation way: Press the learned button for 1S,indicator light turns green.
   Moving your body or shake your hands to make sensor detect. The sensor has been
   learned by the receiver successfully with two flashes of green light appears.

■ Delete method: Press the learn button for 5S,turns to green light, all the codes
   has been deleted successfully(Can not delete one by one).

■ Switch off power when switching the function of L-type and M-type.
   Otherwise, the receiver maintains the previous state.

10   Parameters

Sensor

Dynamic current：13mA	Sensing method：infrared scanning
scanning area：100×80mm	battery model：6F22 9V
Frequency：315MHz	Wireless transmit distance：15M
standby current：≤80μA	Sensing distance（MAX）:1000mm
working temps：−20℃+60℃	Installation height：≤2600mm
Dimension：63（L）×57（W）×52（H）mm	

receiver

power supply：AC／DC12−36V	quiescent dissipation：15mA
dynamic current：80mA(DC12V）	Main contact capacity：20A 14VDC
Contact holding time: 2 seconds	Wireless transmit distance：15M
Dimension：123（L）×50（W）×32（H）mm	