

Operation Instructions

Make your choice...

M-254 Infrared Motion & Presence Safety Sensor

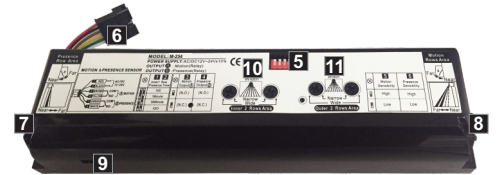
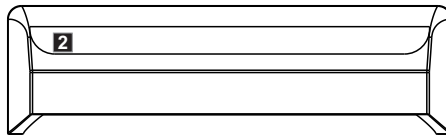
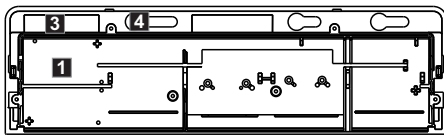


1 Safety Instructions



Thank your for your purchasing, please refer to the following details before using.

2 Product Overview

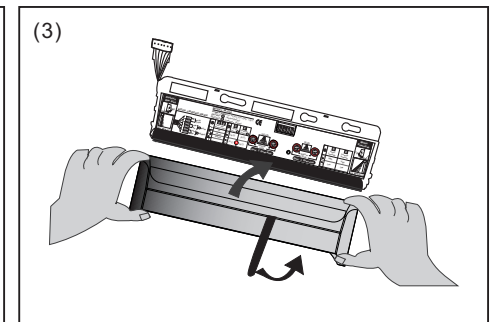
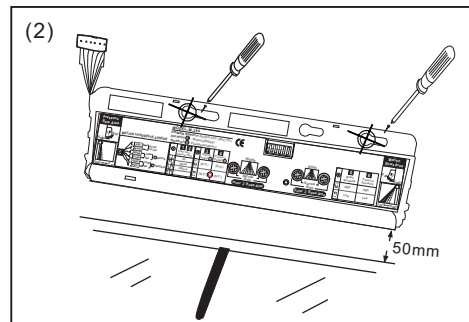
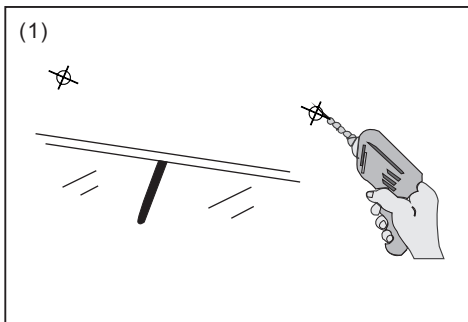


- 1 Bottom Cover 2 Top Cover 3 Wire holes 4 Screw holes x 3 5 Dip Switch 6 6-pin line 7 Depth adjustment of inner 2 lines 8 Depth adjustment of outer 2 lines 9 Led Indicator 10 Width adjustment of inner 2 lines 11 Width adjustment of outer 2 lines

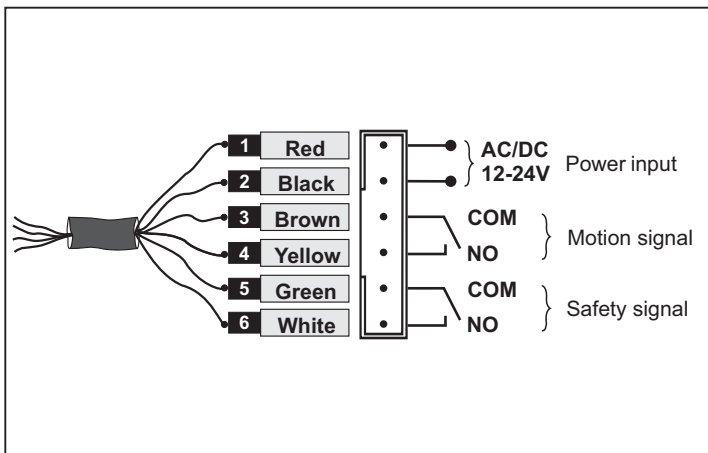
3 Characteristics

- This sensor integrates the motion and safety function by infrared technology, is applied to the automatic door for opening and safety function. Efficient and precise to control the inductive range. Infrared anti-pinch function adopt background self-learning function, auto adapt to various occasions intelligently.
- Automatic and real-time accurate compensation for time drift of the background, self-correction due to changes in various external factors (such as: vibration, deformation, gradual shift, light and dark, and sunlight, etc.) to ensure the long-term and reliable operation of the detector.

4 Installation

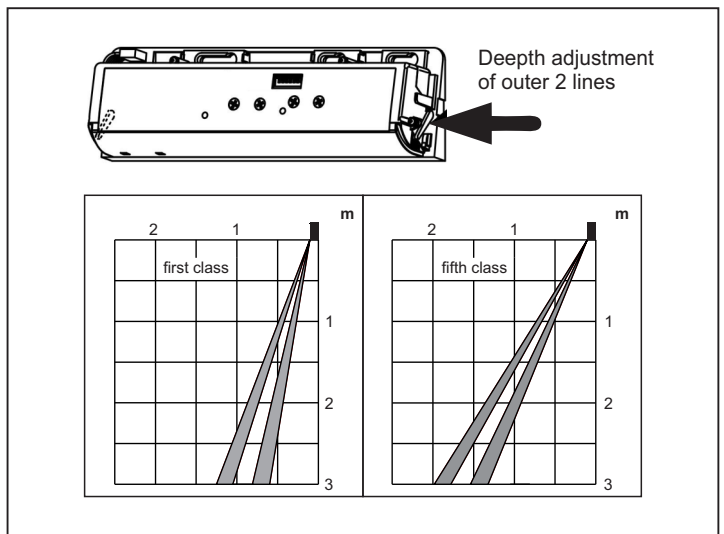
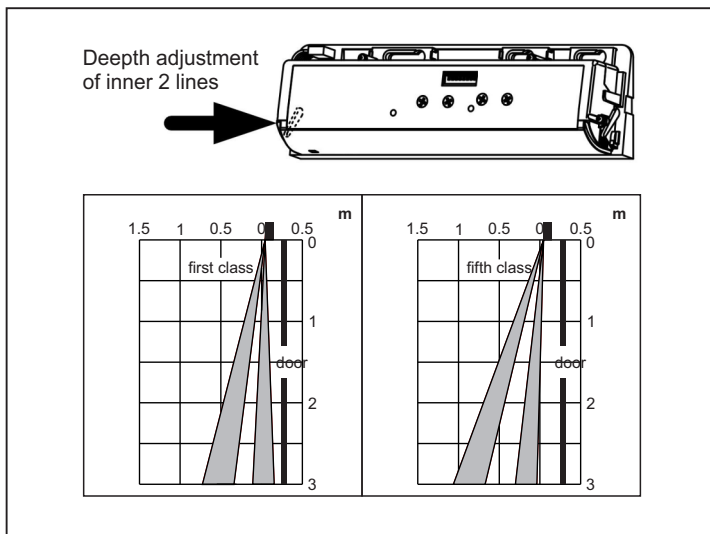


5 Wiring Diagram & Dip Switch Setting

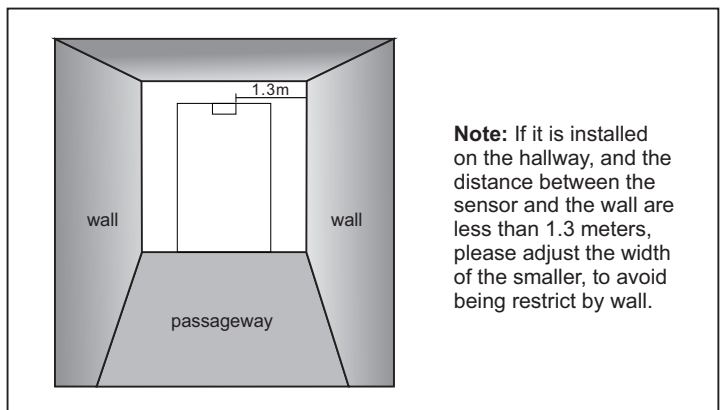
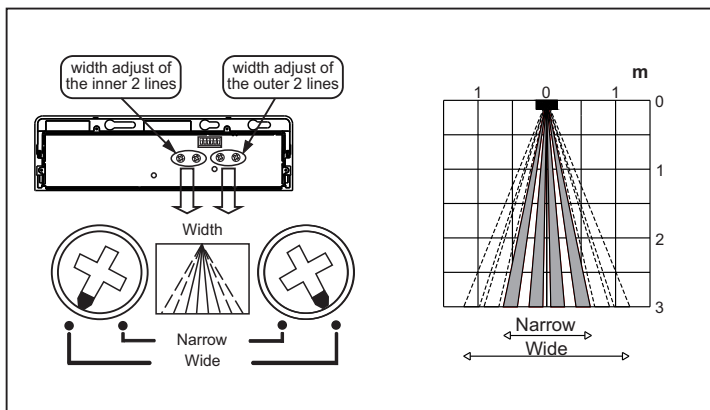


Time of background updated	15S	1M	30M	∞
Motion relay	NO	NC		
Presence relay	NO	NC		
Sensibility of motion	High	Low		
Sensibility of presence	High	Low		

6 Infrared Activation Sensing Field



Width adjustment of the inner or outer 2 lines:



7 Parameter

Power input:	AC/DC 12~24V(±10%)	Quantity of ray:	1 line for presence, 4 emits, 16 spots
Cable length:	2.5m		3 lines for motion, 12 emits, 48 spots
Signal output:	Relay, 1 for motion, 1 for presence	Self-learning time:	10s
Max installation height:	3000mm	Operation indicate:	Standby by green led, motion by yellow led,
Static current:	30mA(DC12V)		Presence by red led
Action current:	110mA(DC12V)	Temperature:	-40°C~60°C
Cover:	ABS	Detection range:	1600(W)×800(D)mm
Ray type:	Infrared modulated light	Respond:	≤100ms
Ray source:	Infrared 940nm	Dimension:	229(L)×67(W)×41(H)mm

8 Packing list

NO	Parts	PSC	Remark
1	Sensor	1	
2	Instructions	1	
3	Screws bag	1	
4	Wiring	1	2.5m