

Operation Instructions

Make your choice...

M-532 Mini Infrared Motion & Presence Sensor



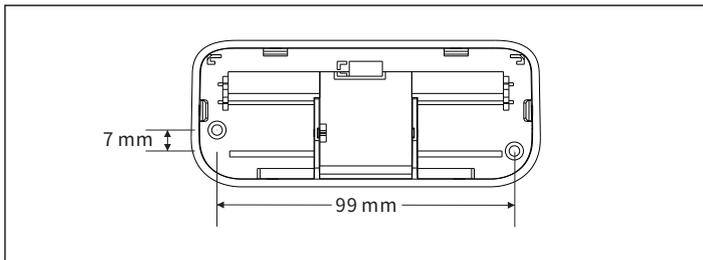
1 Safety Instruction

! The device must be protected with safe insulation at low voltage. All adjustment and repair work must be carried out by a professional engineering workers.

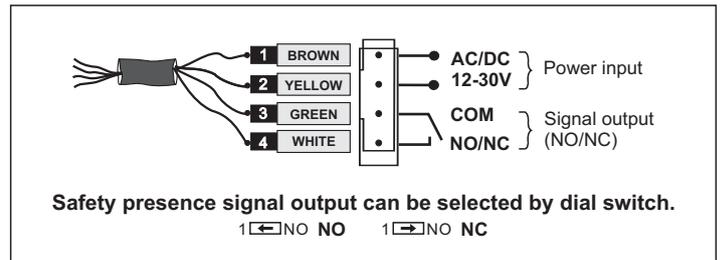
2 Product Overview



- ① Optical filter ② Connecting socket ③ Installation fixed screw holes ④ Output signal NO/NC selector switch ⑤ LED indicator
- ⑥ Infrared induction receiving window ⑦ Infrared induction emitting window ⑧ Infrared induction longitudinal adjusting screw



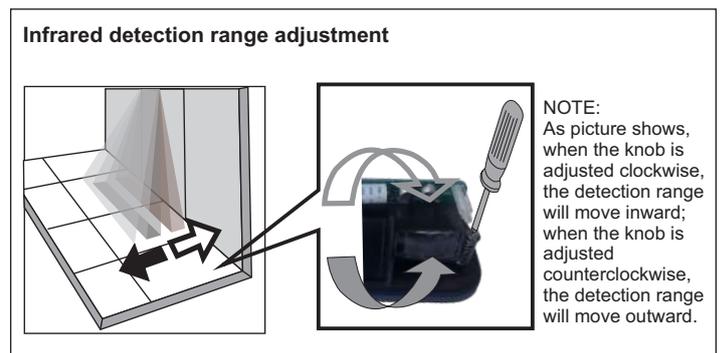
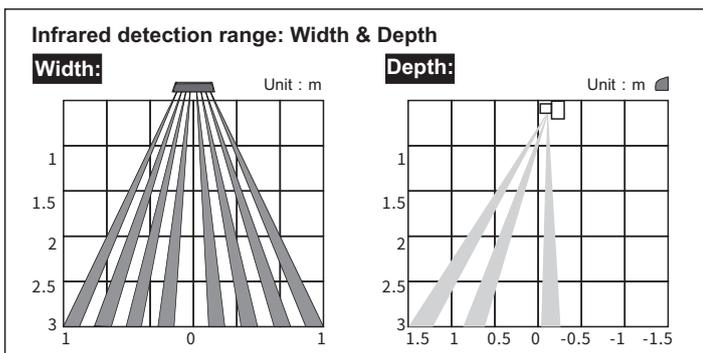
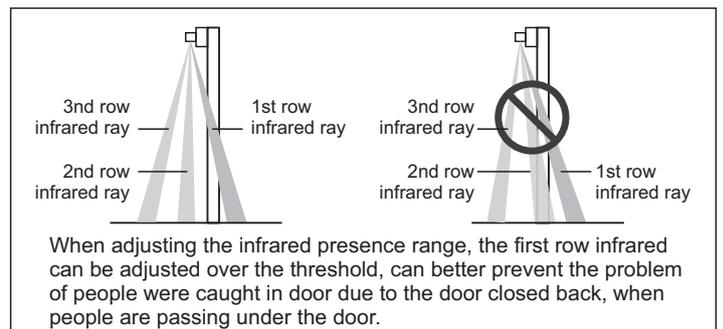
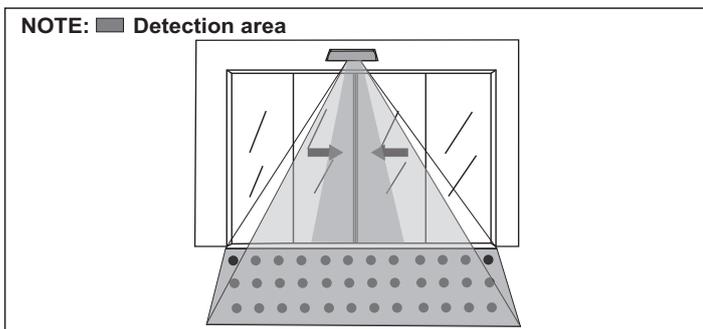
▲ Hole size



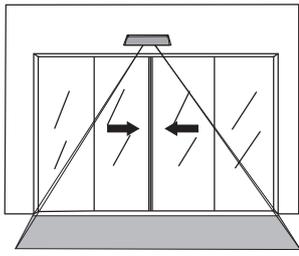
▲ Wiring

! Before background self-learning, please cover the brown lens, and then power-on. In order to avoid the induction sensitivity automatically weakened, motion and safety presence combo sensor need to installed on the position of the door head, and the distance between the bottom end of door head and the sensor, to ensure that it is less than 70mm.

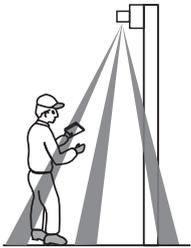
3 Detection range of activation and safety



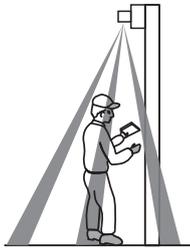
NOTE:  Infrared safety presence detection range area



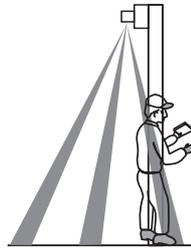
When debugging, in order to avoid the wrong background information in the system, during the entire self-learning process, all irrelevant background objects must be withdrawn from the detection range, such as workers, ladders, toolboxes, etc. When the sensor is power on, blue light indicator is flashes, simultaneously send out door open signal, entering the background learning state; When the sensor detect the stable background for 2s, blue light flashes quickly, and background learning success, blue light is always on, release door opening signal, the sensor is in standby state.



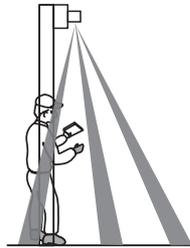
Anti-clamp relay output red light on



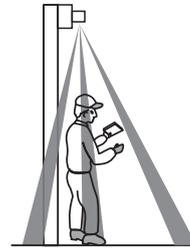
Anti-clamp relay output red light on



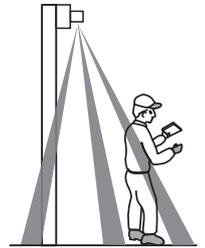
Anti-clamp relay output red light flashes



No induction

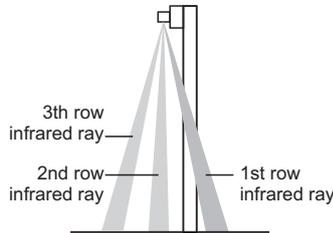


Anti-clamp relay output red light on

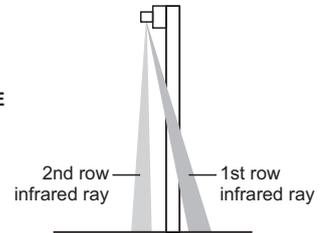


Anti-clamp relay output red light on

The third row OPEN



The third row CLOSE



When it is only used as a presence sensor in some occasions, or when need to reduce the longitudinal sensing range, please turn off the third row of infrared sensors through the SW2 switch.

4 Technical parameters

Power input:	AC/DC 12~30V(±10%)	LED indicator:	Powered learning background blue
Static current:	27mA		light flashes; Standby mode: blue LED
Action current:	47mA		on; 2nd&3th row infrared ray detect
Maximum mounting height:	3 meters		mode red light on; 1st row infrared
Ray type:	Infrared modulated light		ray detect mode red light flashes.
Optical source:	Infrared 940nm	Output hold time:	1 second
Light beam:	3 way, 12 transmission, 48 light spot	Response time:	100ms
Powered self-learning time:	Dynamic stability for 2 seconds	Optical surface:	PMMA
Background self-adapt update:	Stable 15 seconds for self-learning	Output connection:	NO
Temperature:	-40°C to +60°C	Cable length:	2.5m
Detection range:	Wide: 1800(W)	Shell material:	ABS
	Depth: 1000-1500mm(D) adjustable	External dimension:	116(L)×49(W)×34(H)mm

5 Packing List

NO.	PART	QTY	REMARK
1	Sensor	1	
2	4-pin line	1	2.5m
3	Screws bag	1	
4	Operating instructions	1	