Microwave Sensor
Model: YAD-101IS

YLI ELECTRONIC

CE
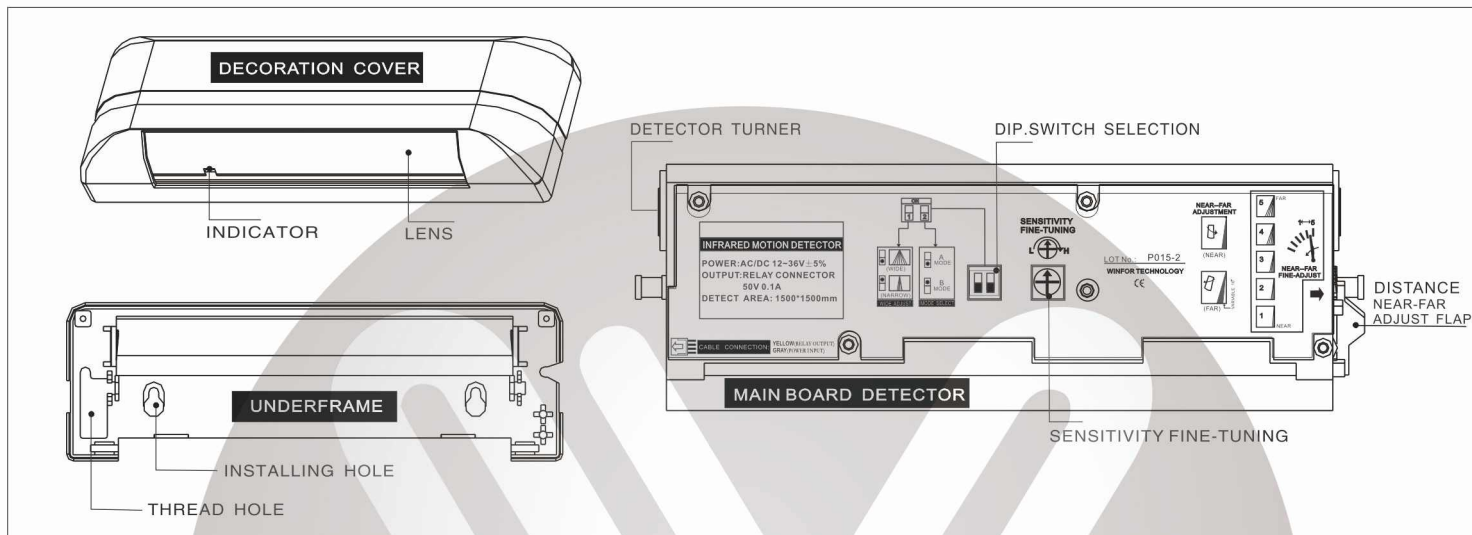
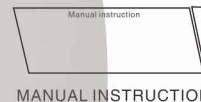## 1 SAFETY TIPS

Thank you for your purchasing ,please read this instruction before using.

2 NAME OF THE PARTS

DECORATION COVER

INDICATOR   LENS

UNDERFRAME

INSTALLING HOLE

THREAD HOLE

DETECTOR TURNER

DIP.SWITCH SELECTION

INFRARED MOTION DETECTOR
POWER:AC/DC 12~36V ±5%
OUTPUT:RELAY CONNECTOR
50V 0.1A
DETECT AREA: 1500*1500mm

SENSITIVITY
FINE-TUNING

NEAR-FAR
ADJUSTMENT

NEAR-FAR
FINE-ADJUST

LOT No. P015-2
WINFOR TECHNOLOGY
CE

DISTANCE
NEAR-FAR
ADJUST FLAP

MAIN BOARD DETECTOR

SENSITIVITY FINE-TUNING

ACCESSORIES

INSTALLING PARER

CONNECTION CABLE

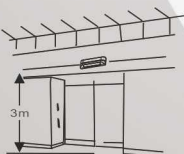CS 2 P   OF
MOUNTING SCREWS

Manual instruction

MANUAL INSTRUCTION

3 NOTICES OF INSTALLING

1.Please install within 3M. Or the detection sensibility will be reduced.
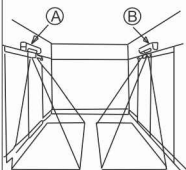
3m

2.Please don't put things such as curtain , flowers and trees which are easy to swing at the detecting area, other- wise will cause the error movement.
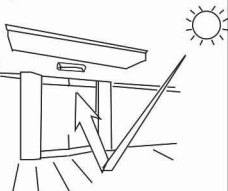
3.Please don't put it in place where is invaded by vapor or oil fog. Otherwise it may cause error action.

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4.Though the product has anti -interference function. In case in the nearby area more than 3 sets need to be installed, it may occur error action due to the interference .
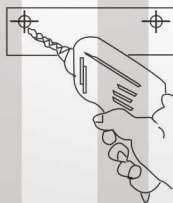So please ensure the right installing place or ask us for inquiry.

5.Please don't put it in place where the reflecting light such as sun light could reach the detecting lense ,other wise it may cause error action.The back ground materials are marble and aluminum etc.
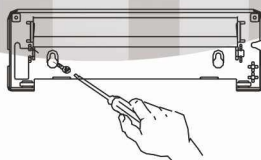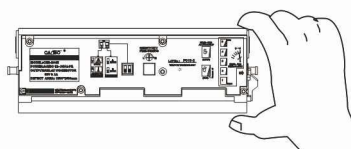
4 INSTALLING WAY

1. Stick installing paper on the mounting position, according to the instruction on the paper to drill the mounting hole 3.5mm and cable entrance hole of 10mm.
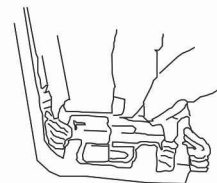
2. Fix the underframe on the wall with two screws.

3.Fix the main detector on the underframe.
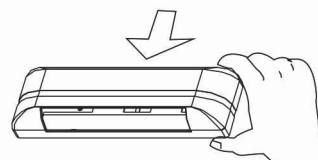
4.Connect the microwave sensor and autodoor controller.The gray cable is for power supply. The yellow cable is for signal contact.Neither of them are polarized.
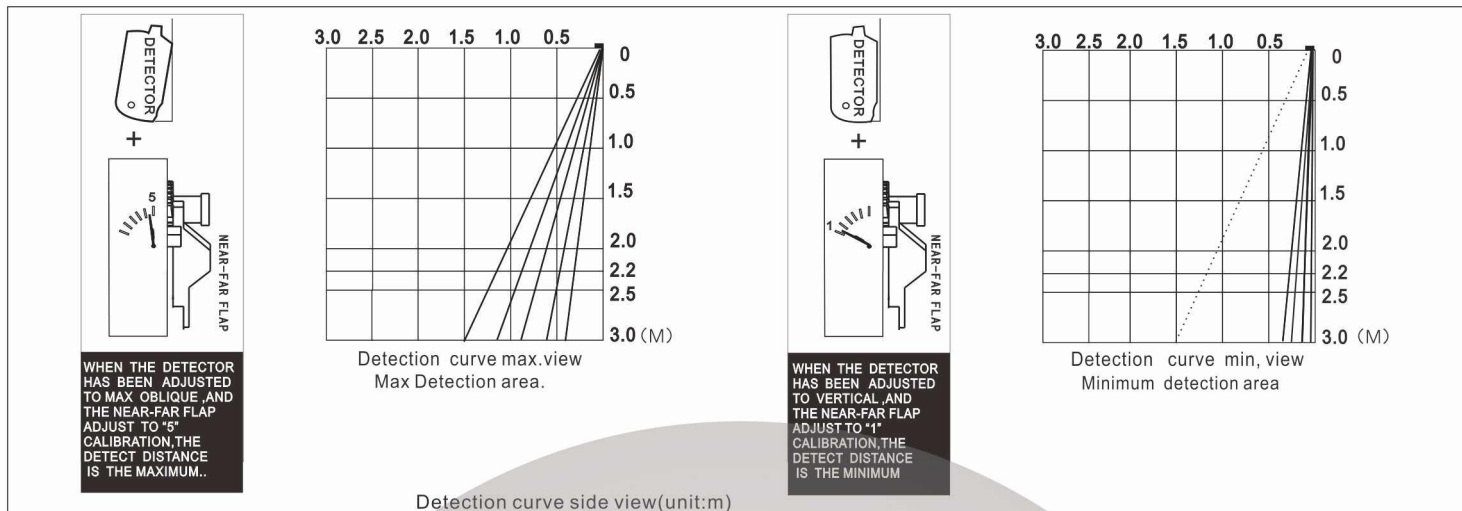
5.Keep the connect cable hidden.

6.Recover the outer cover after all parameters be set.

5 NEAR-FAR DETECTION RANGE ADJUSTMENT

WHEN THE DETECTOR HAS BEEN ADJUSTED TO MAX OBLIQUE ,AND THE NEAR-FAR FLAP ADJUST TO "5" CALIBRATION,THE DETECT DISTANCE IS THE MAXIMUM..

Detection curve max.view
Max Detection area.

WHEN THE DETECTOR HAS BEEN ADJUSTED TO VERTICAL ,AND THE NEAR-FAR FLAP ADJUST TO "1" CALIBRATION,THE DETECT DISTANCE IS THE MINIMUM

Detection curve min, view
Minimum detection area

Detection curve side view(unit:m)

6 WIDE DETECT RANGE ADJUSTMENT AND MODE SETTING

1. THE POSITION ① OF DIP SWITCH IS USED TO ADJUST DETECTION RANGE

   ■ MAX DETECTION RANGE（ABOUT 1500MM WIDE）

   □ MIN DETECTION RANGE（ABOUT 600MM WIDE）

2. THE POSITION ② OF DIP SWITCH IS USED TO SELECT THE WORKING MODE (A MODE OR B MODE)

In case in the nearby area two detectors need to be installed, it may occure error action due to the interference.
So please ensure setting one detector with A mode while the other with B mode.

7 SETTING THE DETECTOR SENSITIVITY

SENSITIVITY FINE-TUNING TO ADJUST THE DETECTION SENSIBILITY.
H: HIGH SENSIBILITY   L: LOW SENSIBILITY

8 INPUT AND OUT LINE

YELLOW LINE：RELAY OUTPUT(COM No)

GRAY LINE：POWER IN(AC/DC 12~36V)

9 COMMON FAULT

Phenomenon	CAUSE	HANDLING
NO ACTION	Connection cable loose/not connected	Please ensure the cable has been connected
	Power or voltage not stable	Please use the standard power(ac/dc 12V~36V)
SOMETIMES DOES NOT WORK	Detection lense was polluted by the dust or water drop. so that detection sensibility redeuced.	Clean with soft fabric and adjust the sensibility fine-tunning to H.
	Detection range is not proper	Adjust oblique of the detector body
ERROR ACTION	Moving objects is placed within the detection range.	Adjust the detection range or move away the flower/Trees etc.
	Moving people within the detection range	Please re-adjust the DIP switch. Or adjust the oblique of the detector body.
	Action with high sensitivity	Adjust the DIP SWITCH to ON position and adjust the sensibility fine-tunning to L position

10 SPECIFICATIONS

RAY TYPE	Reflect infrared
QUANTITY OF RAY	8 emit rays and 8 receive rays
THE FUNCTION TYPE	Detect moving objects
MAX. INSTALLING HEIGHT	3000MM
SENSITIVITY ADJUSTING	Sensitivity fine-tuning
ADJUSTMENT OF DETECTION AREA	Adjusting detector angle 0°～10°
	Adjusted by DIP switch
POWER	AC/DC12-36V±5%
CONSUMPTION CAPACITY	less than 2.5 VA
RELAY OUTPUT	DC50V，0.1A
OUTPUT MAINTAINING TIME	2S
INDICATION OF OUTPUT	Standby with green light, Signal receive with red light
AMBIENT TEMPERATURE	-20℃～+60℃
WEIGHT	400g
COLOR	Silvery
ACCESSORIES	Soft cable 2.5m,mounting screws 2 pieces, installing paper,manual instruction

11 OVERALL SIZE

220mm   74mm   36mm   74mm