

MOTION DETECTOR

MODEL: SHE-B-250

Smart Isolated PIR Sensor Switch Controller, with detachable sensor detector.
With wide range operation input voltage from AC 100V to AC 240V.

The controller will turn on the switch for output when it detects the motion of the human body.
And turn off automatically after the adjustable delay without the detection of the motion of the human body.

➤ Important information for the installation

The unit conforms to the directive 2004/108/EC for the electromagnetic compatibility and the low voltage directive 2006/95/EC.

The unit could only be used as the sensor switch controller, and is only suitable for indoor use.
Protect the controller against humidity and excessive heat.
Permissible operating temperature range -20 to +50°C.

The loads connect to the Controller must strictly according to the Load Specification below.

If the Sensor Controller is used for purposes other than originally intended or it is connected in the wrong way, no liability can be taken over for possible damages.

➤ Installation Notes:

1. The sensor should be mounted 1~2m higher than floor.
2. The temperature violation and waving objects should be avoided within the detection area, this is important for distinguishing an effective detection. (ex. the air condition, steam, smoke and ect.)

➤ Installation Instruction

For application inside the furniture

1. Drill a hole of $\Phi 20\text{mm}$ at desired position before installation. (See Fig. 1)
2. Put the cable through the hole from the sticker side.
3. Fix the sensor to the right position, array the cables accordingly and make sure the length is enough to reach the controller.
4. Fix the cables and the wired for signal, and adjust the angle of the sensor if necessary to adjust the effective detection area of the sensor. Then tighten it with hand push for the sensor. And connect the cables to the controller. (See Fig. 2)

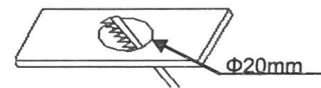


Fig.1

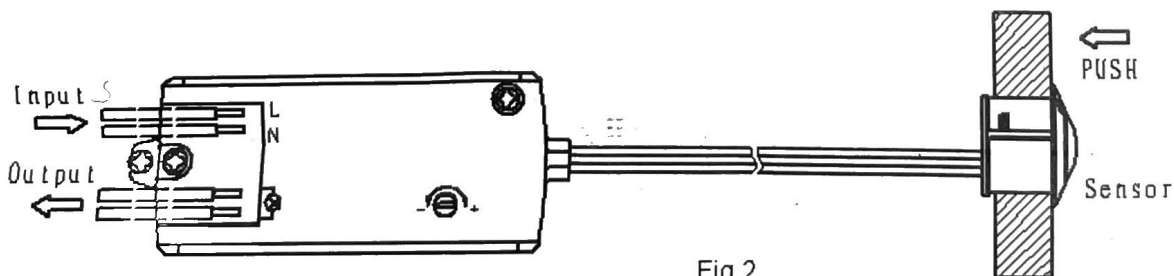


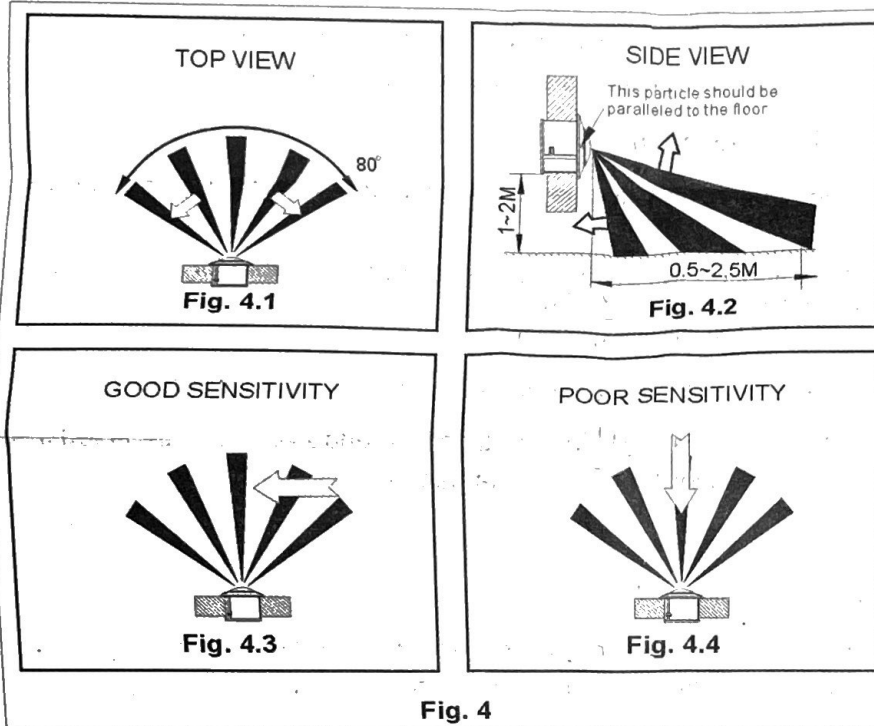
Fig.2

5. Connect the input power cable and output cable to the lamp according to the label on the motion detector.
6. Switch on the power and wait for about 40 seconds, the detector will be ready for normal operation.
7. Set the required delay with a screwdriver. The delay can be set from 10 sec to 3 min. Regulate the potentiometer clockwise to increase the time, and anticlockwise to reduce the time (See Fig. 3).



TIME
Fig. 3

➤ **Detection area** (See Fig. 4)



The detection area for the suspended installation:

1. The particle of the sensor should be parallel to the floor.
2. Sensitivity: Highest
3. Fix position: 1~2m in height
4. The controller of detector should be fixed far away any waving abject.

➤ **Specifications:**

Input voltage: AC100V~240V, 50/60Hz

Delay time: 10sec~3min

Max. Lighting load:

Types of load	Incandescent lamp/ HV-halogen lamp	Electronic ballast	Inductance ballast	Electronic transformer	LED driver
Range voltage					
AC 100V,50/60HZ	250VA	80VA	60VA	250VA	80VA
AC 240V,50/60HZ	250VA	150VA	100VA	250VA	150VA

Sensor (Optional)	Dimension in-mm(inch)	Hole opening diameter(D)	Day Light Detection	Light Sensitivity
Sensor 1: T/SLF5.876.045	 $\varnothing 24.3$ $(\varnothing 15/16")$ 18.8 $(12/16")$ 1500 $(59-1/16")$	$\varnothing 20$	YES	80-160 lux
Sensor 2: SLF5.876.019			NO	NO