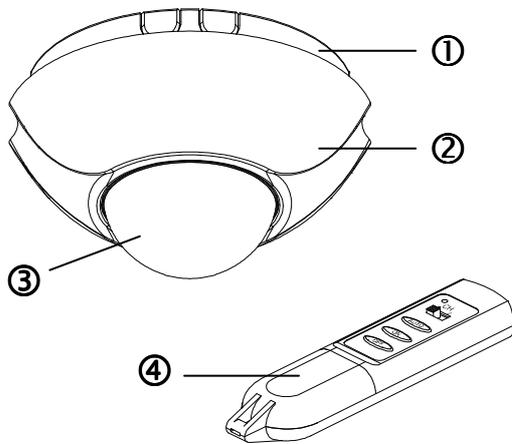


HC26

MICRO MOTION SENSOR W/IR CONTROLLER



- ① Base
- ② Decorative Cover
- ③ PIR Motion Sensor
- ④ IR Remote Control

INTRODUCTION

Your Micro Motion Sensor is a fully automatic indoor light controller capable of controlling up to 2000W incandescent or 1000W fluorescent lightings. The unit is not only a lighting controller, but also has the capability of detecting slight motion within a radius of 3 meters around the sensor. It will keep the connected lighting fixture continuously on even when you are seated and are able to detect very slight movements (a seated person's head or hand movements).

There are two different packages for you to choose from: one is a kit UPAS26 and the other is a single pack PAS26-0. Check what type of package you have purchased according to the following table:

Composition	Model No.	Occupancy Detector	IR Remote Controller
Single	PAS26-0	✓	
Kit	UPAS26	✓	✓

Note: Read this entire manual before you start to install the system.

SAFETY NOTICE

- DO NOT install this product when it is raining.
- DO isolate the power supply during installation or maintenance.
- DO ensure that the power supply circuit is protected by a 16 amp circuit breaker or suitable equivalent fuse.

- The installation of this product must be performed by a skilled technician who is informed about the standards and technical requirements of the appliance.
- This system should be installed and operated in accordance with any local and/or national regulations and legislation. Please check the local codes to ensure that they apply to your situation.

CHOOSE A LOCATION AND INSTALL THE SENSOR

When deciding a proper location to install the unit, please take the following points into consideration:

- The unit is designed to be installed on the ceiling and is suitable for indoor installation only. (FIGURE 1)

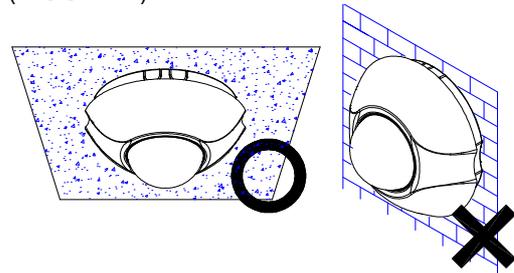
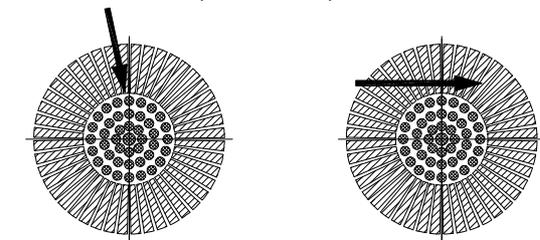


FIGURE 1

- Avoid aiming the motion sensor at heating vents, air conditioners or objects which may change temperature rapidly.
- The motion sensor is more sensitive to objects moving across its field of view. It is less sensitive to an object moving directly towards the sensor head. (FIGURE 2)



SENSOR LESS SENSITIVE SENSOR MORE SENSITIVE

FIGURE 2

- The detector has a sensing angle of 360° and can detect up to 3 meters radius for micro motion and up to 6 meters radius for walk across motion at the mounting height of 2.5 meters. (FIGURE 3)

WIRING INSTRUCTION

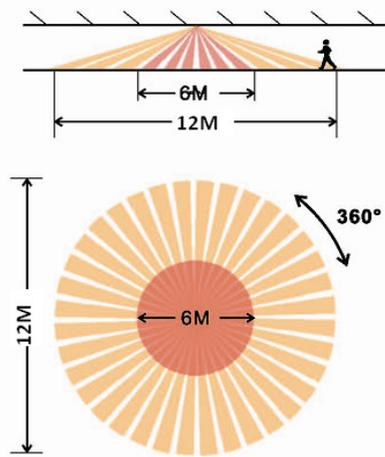


FIGURE 3

INSTALLATION:

A drill and a screwdriver are the needed tools for installation. Select a location for the unit based on the coverage angles shown in FIGURE 3.

- (1) Switch off the power source or wall switch.
- (2) Push the two curve sides to remove the decorative cover.
- (3) Make use of the base as a template to mark the position of two screw holes on the ceiling.
- (4) Drill the ceiling wall and fix the base to the ceiling using suitable plastic wall plugs and screws provided. Finally fit the decorative cover back to the unit. (FIGURE 4)

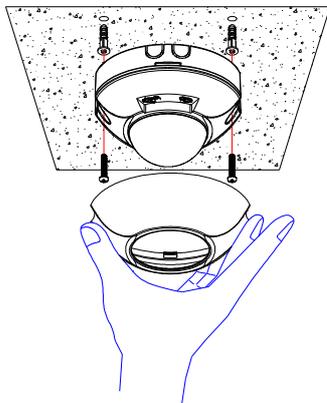


FIGURE 4

- (5) After installing the unit, install a wall switch adjacent to the power source (FIGURE 5).

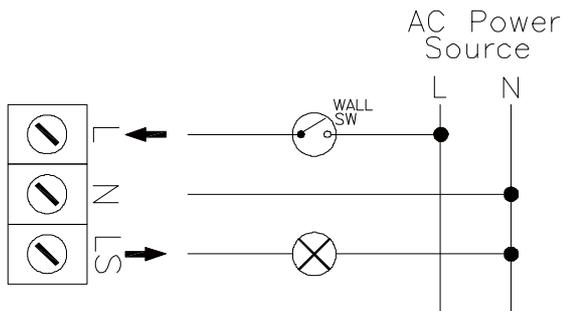


FIGURE 5

- (1) Switch off the power source or wall switch.
- (2) There are two knockout holes on the side of the unit. If the wires come directly from the ceiling, you can make the wiring without breaking the knockout holes. However, if the wires come from a distance away, then you should break the two knockout holes to enable the power and lamp wires to go through smoothly. (FIGURE 6)

Note: After breaking the knockout holes, you should watch out for its sharp brim around the holes to avoid being hurt.

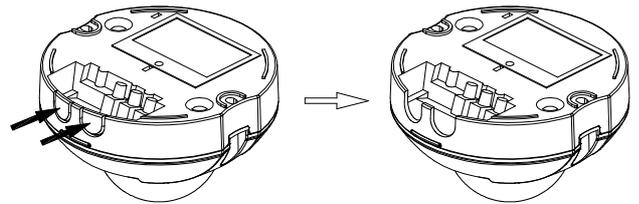


FIGURE 6

- (3) Strip approximately 6-8mm insulating part of the wires from the power cord.
- (4) For power wire connection:
Connect the BROWN wire (Live wire) to the terminal block "L" mark.
Connect the BLUE wire (Neutral wire) to the terminal block "N" mark. (FIGURE 7)

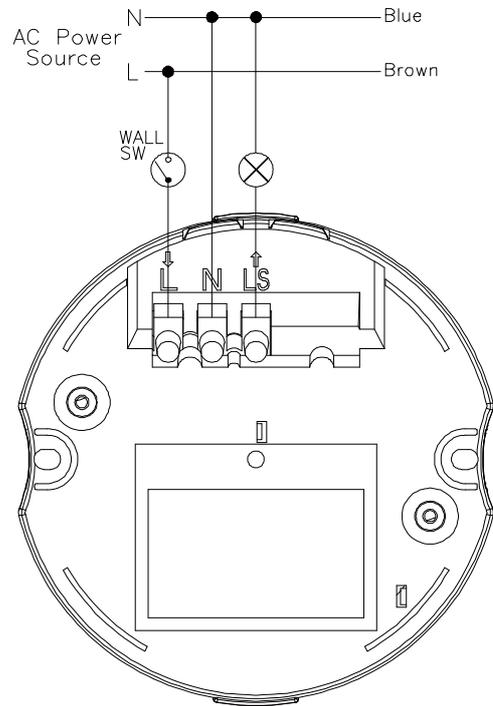


FIGURE 7

For lamp wire connection:
Connect the Neutral wire of the lamp fixture to the Neutral node of AC power source.
Connect the Live wire of the lamp fixture to the terminal block "LS" mark.

TEST / ADJUST THE SENSOR AND LIGHTING SYSTEM

(1) TEST THE SENSOR

- Turn both the TIME and the LUX control knobs counterclockwise to the edge – the “T” position to enter TEST mode. (FIGURE 8)

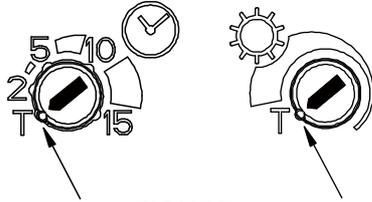


FIGURE 8

- Turn on the wall switch. The light will turn on for about 90 seconds to warm up. Then it turns off.
- Walk through the detection area to test the function of the motion sensor. When motion is detected under TEST mode, the light will turn on for 5 seconds and then turn off (if no other motion is detected during the 5 seconds). Wait until the light turns off and then move again to test the sensor.
- Note that in TEST mode the light is triggered by motion only. The LUX setting is irrelevant.

(2) TIME ADJUSTMENT

The TIME adjustment knob controls how long the light will stay on after motion has been detected. Time setting is adjustable from 5 seconds to 15 minutes. For easy operation, the items of time selections – 5 seconds (the “T” mark) and 2, 5, 10, 15 minutes are shown adjacent to the knob. They are regarded as rough time indication. (FIGURE 9)

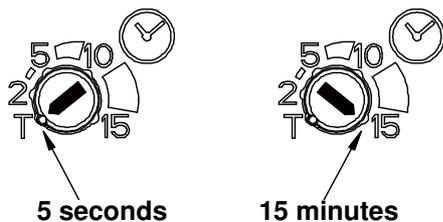


FIGURE 9

(3) LUX ADJUSTMENT

The LUX adjustment knob determines at what light level the lighting system will start operating when you set the sensor to Automatic Operation.

Provisionally turn the LUX control knob clockwise to the edge (approximately 10 LUX) position (FIGURE 10). Then slowly turn the LUX control knob counterclockwise and make motions during the process until the light turns on. Note that the motion sensor may stay inactive during daylight as the light level is too high. At dusk when you find the ambient

lighting is the desired LUX level for operation, simply set the LUX control knob to the position where the light becomes active.

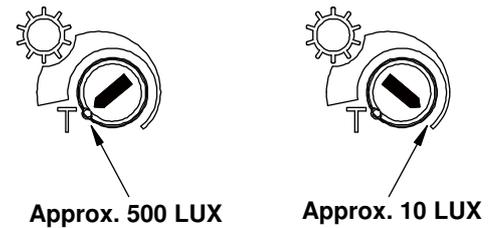


FIGURE 10

The light turns on when you move and turns off if no motion is detected for the length of the TIME setting. Wait until the light turns off and then move again to test the sensor.

(4) CHANNEL SELECTION

To avoid radio signal interference, you are able to set the units into different channels and then control the target unit by setting the channel switch on the remote control.

For instance, if there are two PAS26 units installed in the same room, the two units can be set to channel 1 and channel 2 respectively. Then you can set the remote control to channel 1 or 2 to control the target unit without interfering with the other.

E253R IR Controller

3-button and channel selection slide switch are shown on the front cabinet as follows: (FIGURE 11)

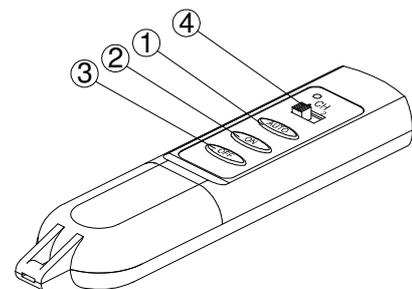


FIGURE 11

- ① AUTO
- ② ON
- ③ OFF
- ④ CHANNEL SWITCH

BATTERY INSERTION

- (1) Use a flat blade screwdriver to gently detach the battery cover from the cabinet. (FIGURE 12)

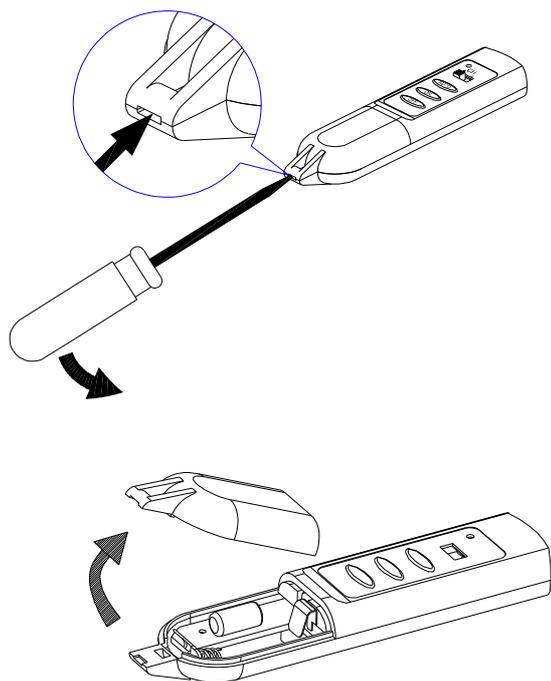


FIGURE 12

- (2) Insert a 12V alkaline battery into the battery compartment and then replace the battery cover. (FIGURE 13)

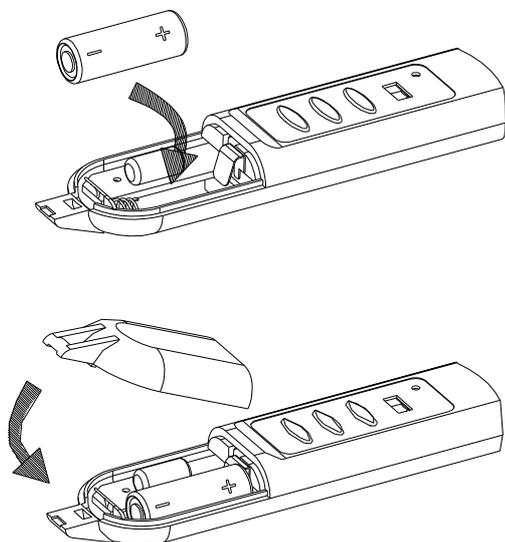


FIGURE 13

OPERATION

Use the IR remote to control your motion sensor and you can easily select from one of the three operation modes: *automatic*, *on* and *off*.

Please ensure that the motion sensor and IR controller are set at the same channel (channel 1 or channel 2). (FIGURE 14a & 14b)

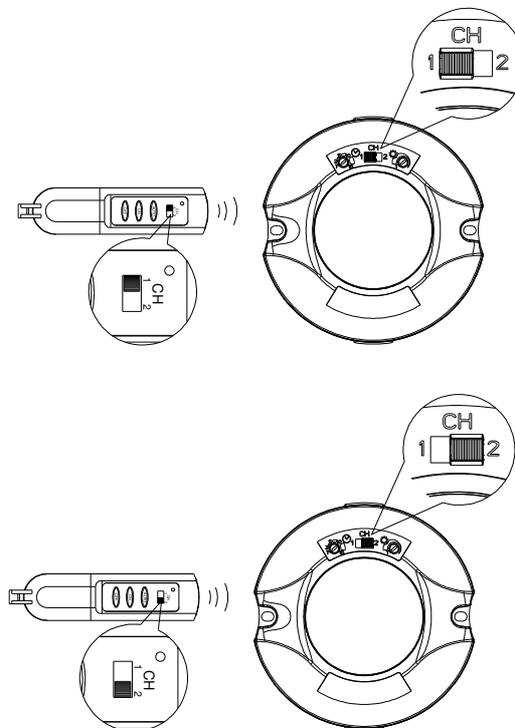


FIGURE 14a & 14b

(1) AUTOMATIC OPERATION

Before operating the IR controller, please make sure the sensor is correctly set for Automatic Operation mode. To enable Automatic Operation mode, press the "Auto" button on the remote.

When the sensor detects motion and the ambient light level is lower than the LUX setting, the connected light will automatically turn on. The light will stay on for the duration of TIME setting and then turn off. Note that if motion is detected when the light is still on, the time counting will be reset.

(2) ON

To keep the light on regardless of motion, you can press the "On" button on the IR controller. The light will be continuously on.

(3) OFF

Pressing the "Off" button will turn off the light.

User can also set the motion sensor back to Automatic Operation by pressing the "Auto" button.

TROUBLESHOOTING

Press any of the On/Off/Auto buttons on the IR Controller, the Micro Motion Sensor does not work.

- Let the IR LED located at the front of IR Controller point the IR LED of Micro Motion Sensor
- Incorrect channel setting
- Replace new battery

The LED of the IR Controller does not light up when pressing any button on the IR Controller

- Replace new battery

SPECIFICATIONS

Power Requirement	AC 220 ~ 240V / 50Hz
Lighting Load	2000W incandescent or 1000W fluorescent
Detection Angle	Up to 360° at 20°C
Detection Range (Micro Motion)	3m radius (height: 2.5m)
Detection Range (Walk Across Motion)	6m radius (height: 2.5m)
Mounting Height	Recommended 2.5~3.5m Ceiling Mount
IR Controller	Channel 1 & 2 Auto / On / Off
Wall switch control	ON/OFF
Time Adjustment	Adjustable 5 seconds ~ 15 minutes
Lux Adjustment	Approx. 10 ~ 500 Lux
Warm Up Time	About 90 seconds
Protection Class	II

Specifications are subject to change without notice.

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Warning:

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.

Contact your local government for information regarding the collection systems available.

If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

When replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposal at least for free of charge.