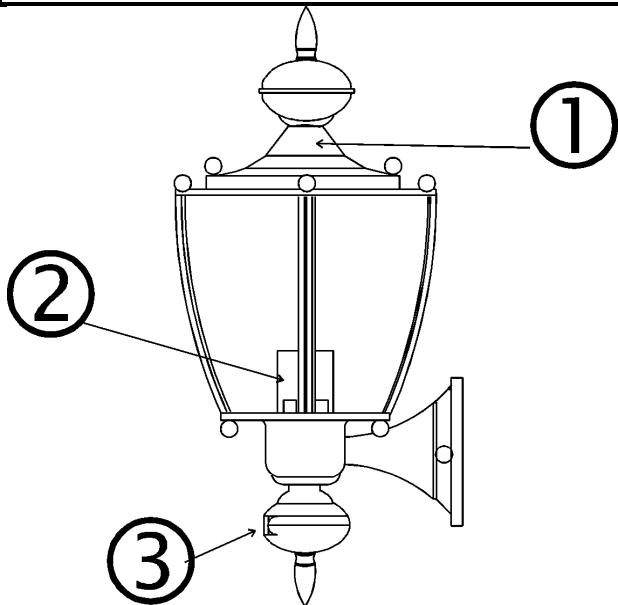


ES61

MOTION SENSOR OUTDOOR LANTERN



- ① Top Cover
- ② Bulb Holder
- ③ PIR (Motion Sensor)

INTRODUCTION

Your EVERSPRING MOTION SENSOR OUTDOOR LANTERN is a unique indoor or outdoor lighting system for your home or business. At night, the built-in passive infrared (PIR) motion sensor turns on the LANTERN when it detects motion in its coverage area. During the day, the built-in photocell saves electricity by deactivating the lantern. An adjustable timer lets you select how long the lantern stays on after activation.

Features :

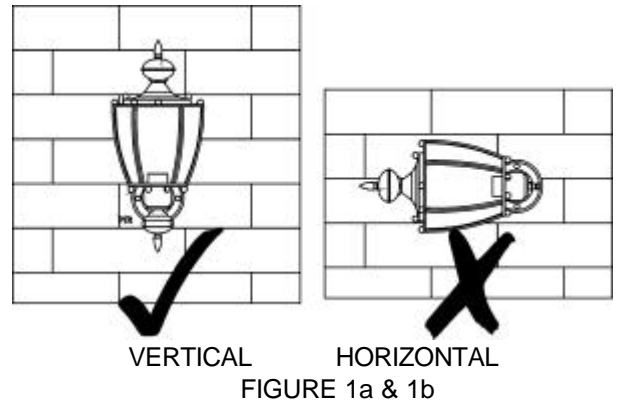
One exquisitely designed lantern - allows you to install one 60W incandescent bulb.

Two operation options - let you choose automatic operation or manual override based on the ambient light level.

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

SAFETY PRECAUTIONS

- Do not install when it is raining.
- Be sure to switch off power source before installing.
- Make sure that the power wiring comes from circuit with a suitable fuse or circuit breaker.
- Keep minimum 0.8m away from the lighted objects.
- The unit can be installed only vertically (see the FIGURE 1a), not horizontally (see the FIGURE 1b) as shown in the below drawing.



IMPORTANT

Some local building codes may require installation of this product by a qualified electrician.

Check your local codes as they apply to your situation. If the house wiring is of aluminum, consult with an electrician about proper wiring methods.

Before proceeding with the installation, **TURN OFF THE POWER TO THE LIGHTING CIRCUIT AT THE CIRCUIT BREAKER OR FUSE BOX TO AVOID ELECTRICAL SHOCK.**

CHOOSING A MOUNTING LOCATION

- For the best results, fix your sensors on a solid surface, 1.8~2M above the ground.
- For outdoor installation, a location under eaves is preferable.
- Avoid aiming the motion sensor at pools, heating vents, air conditioners or objects which may change temperature rapidly.
- Do not allow sunlight to fall directly on the front of unit.
- Try to avoid pointing the unit at trees or shrubs or where the motion of pets may be detected.
- Prior to mounting, keep in mind that the motion sensor is most sensitive to the motion, which is across the detection field and less sensitive to the motion, which moves directly towards the detector. (FIGURE 2)

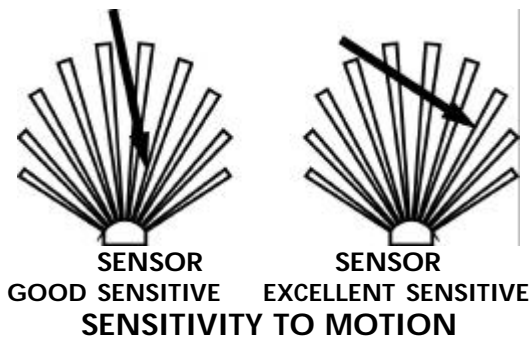


FIGURE 2

- The unit is intended to be mounted to an outdoor type outlet box. The box must be supported by the building structure and must conform to the National Electrical Code and local electrical codes.

BULB INSTALLATION

- Do not touch the bulb while it is in use or still hot. Allow it to cool (about 5 minutes) before touching it.
- Do not use the bulb rated higher than 60 watts.
- Disconnect the power cord or wall switch. Unscrew the top cover to remove the bulb for replacing new bulb. (FIGURE 3)
- Screw back the top cover.

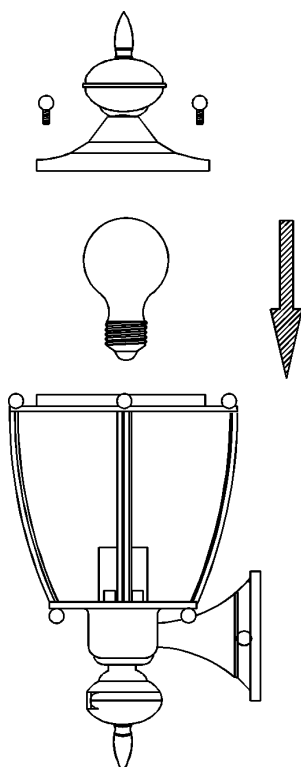


FIGURE 3

INSTALLATION

To facilitate installation, it is essential to get a drill and a screwdriver ready. Select a location for the unit based on the coverage angles shown in FIGURE 4.

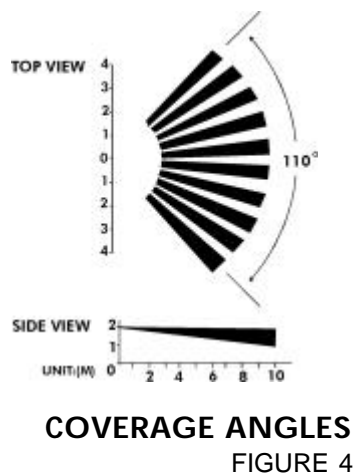


FIGURE 4

Install a wall switch adjacent to the power source. (FIGURE 5) This helps you operate AUTO and MANUAL OVERRIDE with ease. See page 5 for further information.

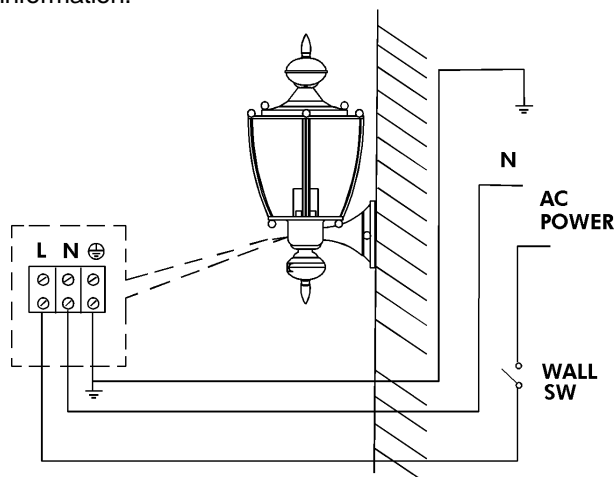


FIGURE 5

WIRING INSTRUCTION

- Switch off the power source.
- Route the power cord through the rubber seal.
Note: The power cord must meet H05RN-F, 3G, 1.0mm² requirement.
- Fix the wall box to the pre-determined mounting location by making use of the two screws provided.
- Strip approximately 6-8mm insulating part of the wires from the power cord. Before connection, ensure that the wall box gasket is firmly seated in its original place.
- Connect the live supply from the household lighting circuit to the input of the wall switch.

Connect the output wire of the wall switch to the BROWN wire in the terminal block inside the lamp fixture base.

Connect the neutral wire of the household lighting circuit to the BLUE wire in the terminal block.

Connect the household earth wire to the earth position of the terminal block. (FIGURE 6a & 6b)

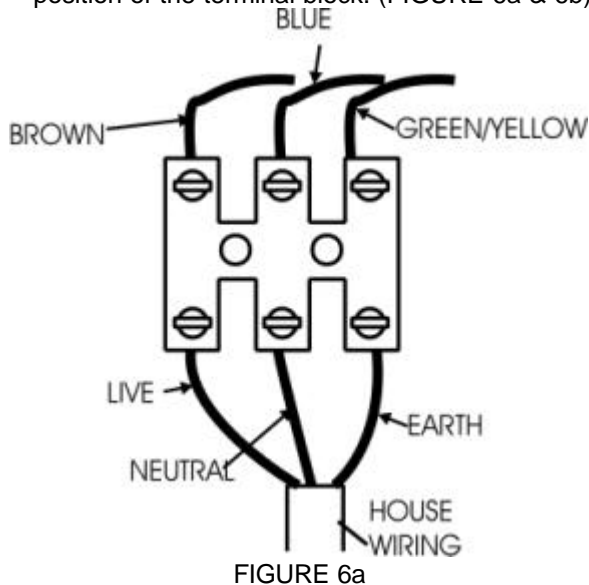


FIGURE 6a

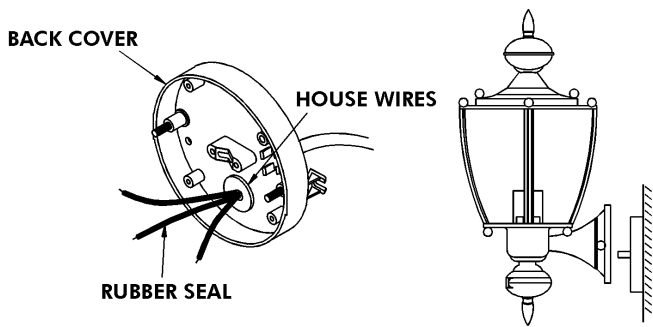


FIGURE 6b

- (6) The unit should be earthed.
- (7) Fit the unit onto the back cover and secure: fit a suitable bulb (not supplied) and secure the top assembly.

SETTING THE LIGHTING SYSTEM

(1) TEST MODE

- Turn the Motion Sensor Lite control and the Time control clockwise to the edge – the TEST position (FIGURE 7).

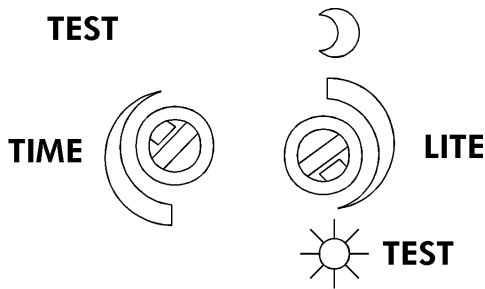


FIGURE 7

- Turn on the wall switch. The lantern will turn on for about 1 minute to warm up. Then it turns off.
- Walk through the detection area. The lantern turns on when you move and turns off when you stop. Wait for the lantern to turn off before moving again to test the sensor.
- Adjust the motion sensor to cover the desired detection area. For a smaller coverage area, point the sensor down; for a larger coverage area, point the sensor up.

(2) TIME ADJUSTMENT

The TIME adjustment controls how long the lantern will stay on after the motion has been detected.

Turn the Motion Sensor TIME control knob counter-clockwise to increase (up to about 12 minutes) how long the lights stay on or clockwise to decrease (down to about 5 seconds) the time delay. (FIGURE 8)

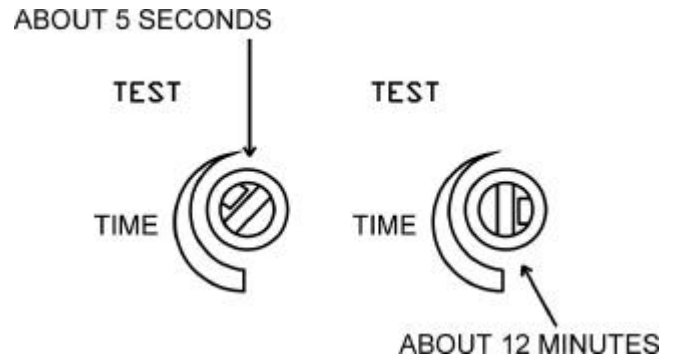


FIGURE 8

(3) LITE ADJUSTMENT

The LITE adjustment determines at what light level the lighting system will start operating when you set the sensor to automatic operation.

Provisionally turn the Motion Sensor LITE control knob to the edge counter-clockwise at the moon (dusk) position (FIGURE 9). In this provisional setting mode, the Motion Sensor remains inactive during daylight. At dusk when you find it is the LUX level desired for operation, simply set the LITE control knob to the position which will become active as daylight declines.



FIGURE 9

OPERATION

By using wall switch to your ES61, you can easily select one of two modes of operation: automatic operation and manual override.

(1) AUTOMATIC OPERATION

Turn on the wall switch. When the sensor detects motion, the lantern automatically turns on. The built-in photocell turns the sensor off and on according to the light level selected by the LITE adjustment.

(2) MANUAL OVERRIDE

To keep the lantern on regardless of the motion, you can override the automatic operation. Turn the wall switch off and on within 2 seconds.

In Manual Override mode, the lantern will remain on.

Users can also set the motion sensor back to Auto operation by turning off the wall switch for at least 10 seconds and then turn it back on.

TROUBLESHOOTING

Light does not turn on

- Confirm that you have made a correct “ wiring connection” .
- Make sure that the bulbs have not burned out.


Light remains on

- Make sure the wiring connection is correct.
- If you set the system to manual override, remember that you must turn the wall switch off for at least 10 seconds to switch the sensor to automatic operation and turn off the lights.
- Check if the TIME setting is correct.

Others

- The specification of protective shield shall consult to local service agent.

SPECIFICATIONS

Detection Method	Passive infrared
Power Requirement	AC 220 ~ 240V  / 50Hz
Lighting Load	Max. 60W Incandescent
Power Consumption	35mA (Max.)
Power Cord Requirement	H05RN-F, 3G,1.0mm ²
Protection Class	Class I
Weatherproof Construction	IP44

Operating

Temperature	-20° C to 40°C
Detection Range	10M at 20° C
Detection Angle	110°
Mounting Height	1.8 to 2M (5.9 to 6.6 Feet) wall mount

Sensor Adjustments

Swiveling Angle	Horizontal 330°
Warm Up Time	About 1 minute
Time Adjustment	From 5± 3 seconds to 12± 3 minutes
Lux Adjustment	From 0 Lux to 1,000 Lux.
Wall Switch Function	Off/Auto/Manual Override