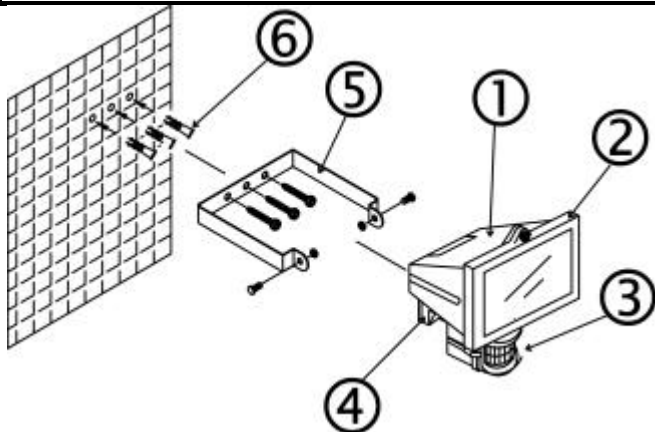


ES42C

MOTION SENSOR 500W FLOODLIGHT



- ① Floodlight
- ② Front Surround
- ③ PIR Motion Sensor
- ④ Wiring Box
- ⑤ Mounting Bracket
- ⑥ Plastic Wall Plug (not included)

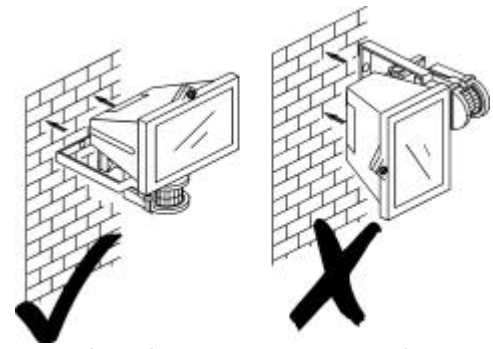
INTRODUCTION

Your EVERSPRING MOTION SENSOR 500W FLOODLIGHT is a unique lighting system for your home or business. At night, the built-in passive infrared (PIR) motion sensor turns on the floodlight when it detects motion in its coverage area. During the day, the built-in photocell sensor saves electricity by deactivating the floodlight. Time and Lite adjustment functions let you select how long and when the light will stay on after activation. Two operation options let you choose: Automatic Operation or Manual Override.

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 an external 16A miniature circuit breaker for the short circuit protection or a suitable fuse.
- Keep minimum 1m away from the lighted objects.
- The unit can be installed only horizontally (FIGURE 1a), not vertically (FIGURE 1b).



HORIZONTAL VERTICAL
FIGURE 1a & 1b

IMPORTANT

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

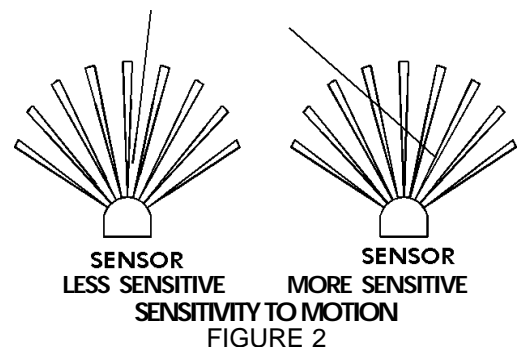
Check your local codes as they apply to your situation. If the house wiring is of aluminum, consult with an electrician about proper wiring methods.

Maintenance or repairing work such as replacing current fuse shall be done by a qualified electrician or technician.

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, 1.8–2.5M 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 that 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 more sensitive to the motion, which is across the detection field and less sensitive to the motion, which moves directly towards the detector (FIGURE 2).



BULB INSTALLATION

CAUTION: Always handle halogen bulbs with a soft cloth. Do not touch the bulb with your bare hand as it will shorten the life of the bulb.

- (1) Do not touch the floodlight while it is in use or still hot. Allow it to cool (about 5 minutes) before touching it.
- (2) Do not use halogen bulb rated higher than 500 watts.
- (3) Disconnect the power cord or wall switch. Unscrew retaining screw on the front of the floodlight. This will release front surround (FIGURE 3).

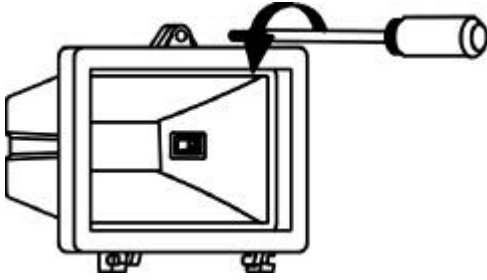


FIGURE 3

- (4) Raise front surround. Lift off retaining lugs (FIGURE 4).

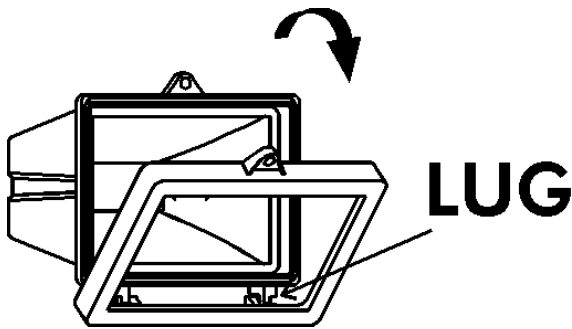


FIGURE 4

- (5) Unwrap halogen bulb, taking care that the fingers do not touch the bulb. Push one end into either of the spring loaded sockets. Locate the other end into the other socket (FIGURE 5).



FIGURE 5

- (6) Carefully replace front surround making sure that the seal is correctly positioned. Screw up tightly (FIGURE 6).

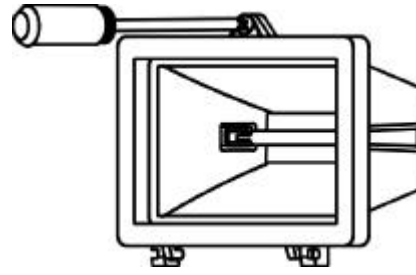
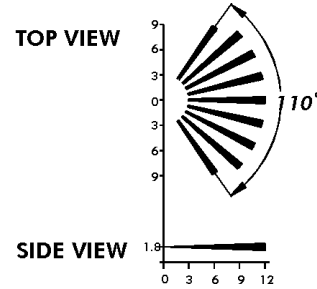


FIGURE 6

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 7.



UNIT(M)
COVERAGE ANGLES
FIGURE 7

Install a wall switch adjacent to the power source (FIGURE 8). This will help you operate this motion sensor floodlight with ease. See OPERATION for further information.

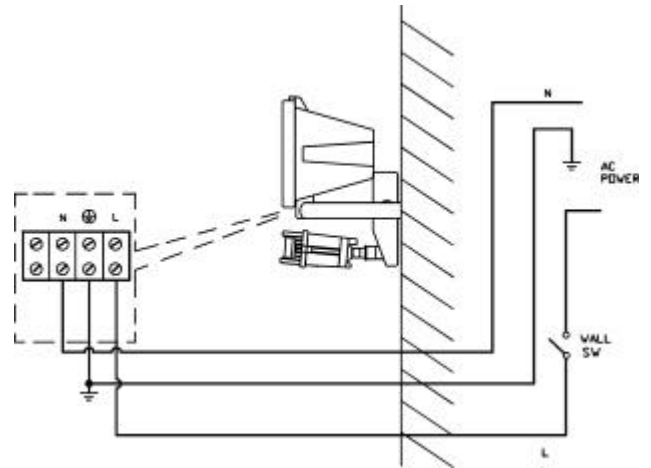


FIGURE 8

WIRING INSTRUCTION

- (1) Switch off the power source or wall switch.
- (2) Remove the mounting bracket from the floodlight. Drill the wall and screw the bracket onto the wall using suitable plastic wall plugs and screws (not included). Check that the bracket is securely fitted on the wall (FIGURE 9).

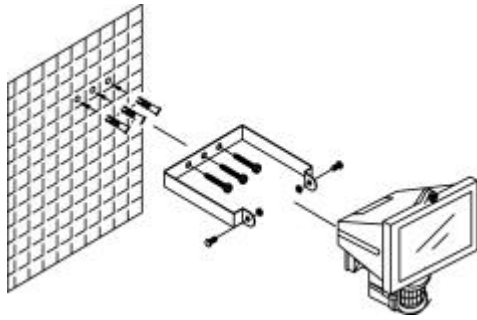


FIGURE 9

Note: Do not at this stage re-attach the floodlight to the bracket.

- (3) Remove the cover screws from the wiring box on the rear of the floodlight. Loosen two screws on the pressure block and unscrew the waterproof cable gland.
- (4) Route the power cord through the cable gland and pressure block.

Note: The power cord must meet H05RN-F, 3G, 1.0mm² requirement.

- (5) Strip approximately 6-8mm insulating part of the wires from the power cord. Before connection, ensure that the wiring box gasket is firmly seated in its original place.
- (6) Connect the BROWN wire (Live wire) to the terminal block "L" mark. Connect the BLUE wire (Neutral wire) to the terminal block "N" mark. Connect the YELLOW/GREEN (Ground wire) to the terminal block "⊕" mark (If used, when the power cord has it)(FIGURE 10).

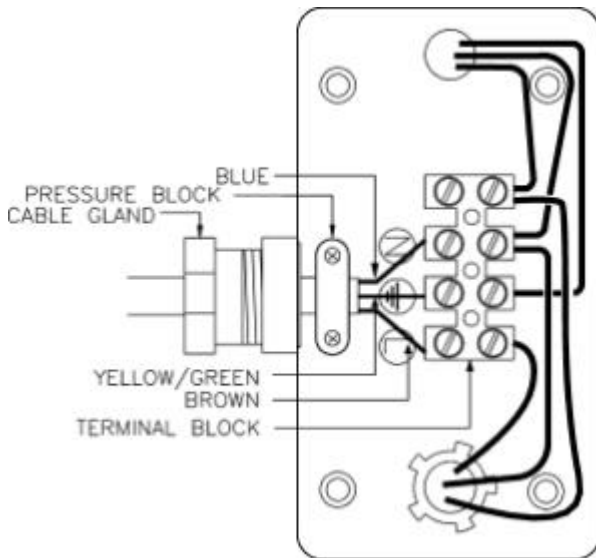


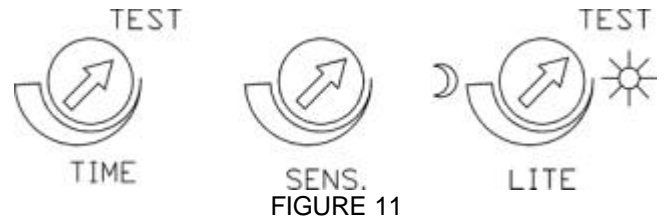
FIGURE 10

- (7) Use the pressure block to fix the power cord by fastening its two screws. Tighten the cable gland and refit the wiring box cover.
- (8) Re-attach the floodlight to the bracket and secure the cable to the wall using suitable clips. Ensure that the cable is not touching the body of the floodlight, and that there is sufficient slack in the cable to allow the floodlight to be tilted and adjusted as required, which should be done by grasping the metal body of the floodlight, not its rear wiring box.

SETTING THE LIGHTING SYSTEM

(1) TEST MODE

- Turn the Lite control and the Time control anti-clockwise to the edge – the TEST position. Set the Sens. Control to its mid-point. (FIGURE 11)



- Turn on the wall switch. The floodlight will turn on for about 1 minute to warm up. Then it turns off. Walk through the detection area. The floodlight turns on when you move and turns off when you stop. Wait for the floodlight 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 floodlight will stay on after the motion has been detected.

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

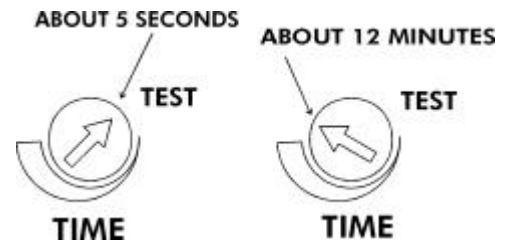
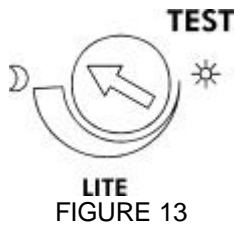


FIGURE 12

(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 LITE control knob to the edge clockwise at the moon (dusk) position (FIGURE 13). 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 that the motion sensor will become active as daylight declines.



(4) SENS. ADJUSTMENT

The sensitivity adjustment may be adjusted to compensate for seasonal variations in temperature and to reduce unwanted triggering. The optimum sensitivity can be achieved by setting the SENS. control knob initially to its mid-point and then adjusting the control knob clockwise to increase (up to 12 meters) the detecting distance or anti-clockwise to decrease (down to 3 meters) the detecting distance.

OPERATION

By using the wall switch connected to your motion sensor floodlight, 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 motion sensor detects motion, the floodlight automatically turns on. The built-in photocell sensor turns the motion sensor off and on according to the light level set by the LITE Adjustment.

(1) MANUAL OVERRIDE

To keep the light on regardless of the motion, you can override the Automatic Operation. By turning the wall switch off and on within 2 seconds, the light will remain on. Users can also set the motion sensor back to Automatic Operation by turning off the wall switch for at least 10 seconds and then turn it back on.

TROUBLE SHOOTING

<p>Light does not turn on:</p> <ul style="list-style-type: none"> ● Confirm that you have made a correct "wiring connection". ● Make sure that the bulb has not burned out.
<p>Light remains on:</p> <ul style="list-style-type: none"> ● Make sure the wiring connection is correct. ● If you set the motion sensor to Manual Override, remember that you must turn the wall switch off for at least 10 seconds before switch the motion sensor on back to Automatic Operation. ● Check if the TIME setting is correct.

SPECIFICATIONS

Power Requirement	AC 220 ~ 240V / 50Hz
Power Cord Requirement	H05RN-F, 3G, 1.0mm ²
Lighting Load	Max. 500W Halogen Bulb
Detection Angle	Up to 110° at 20°C
Detection Distance	Up to 12M at 20°C
Swiveling Angle	Lamp Part: Vertical 90°; Sensor Part: Horizontal 50°; Vertical 40°
Mounting Height	Recommended 1.8 ~ 2.5M (5.9 ~ 8.2 Ft) Wall Mount
Wall Switch Control	On / Off / Manual Override
Sensor Operation	Auto
Time Adjustment	5 ± 3 sec ~ 12 ± 3 min
Lux Adjustment	Approx. 0 ~ 1,000 Lux.
Operating Temperature	-20°C ~ +40°C
Warm Up Time	About 1 min
Protection Class	Class I
Protection Degree	IP44
Safety	CE, GS