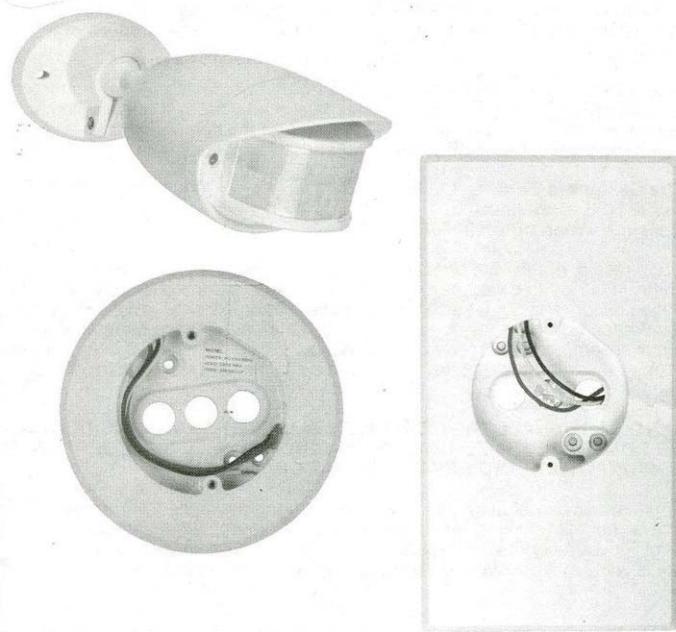


The Designer[®]

E D G E

ENGLISH



WIRELESS MOTION ACTIVATED SECURITY LIGHT INSTALLATION INSTRUCTIONS

• Fixture design may vary

Model # L-940, 941, 942, 943

2 Year Warranty on fixture

Congratulations and Thank You from The Designers Edge!

The fixture you have purchased should give you years of trouble free service. We take pride in the design and construction of each of our products and work to maintain the quality of our materials and craftsmanship to assure your satisfaction.

This product is warranted to be free of defects in workmanship and materials for a period of 2 years from the original date of purchase. If any problems appear within 2 years, the purchaser may return the item, freight prepaid, together with a copy of your original purchase receipt to:

**The Designers Edge
11730 N. E. 12th street
Bellevue, Washington 98005**

Upon receipt of the item prepaid with a letter describing the problem, and a check for \$7.50 to cover return postage and handling, the company will at its option either repair or replace the defective part or fixture at no charge to the purchaser. This warranty does not apply to fixtures that have been used for rental or commercial purposes. It does not cover fixtures that have been altered in any way or fixtures that have been subject to misuse, accidents or damage in transit.

IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. NO CHARGES WILL BE ACCEPTABLE FOR UNAUTHORIZED REPAIRS, PARTS OR SERVICE.

Some states do not allow limitations on how long an implied warranty lasts and do not allow exclusions or limitation of incidental damages, so parts or all of this warranty limitations or exclusions may not apply to you. Legal warranty rights will vary from state to state and you may have other rights.

IMPORTANT NOTICE:

Every attempt has been made to deliver a quality product that will give you years of trouble free service. In the event that you have problems with the lamp. Please DO NOT RETURN TO PLACE OF PURCHASE. PLEASE CALL THE NUMBER BELOW FOR BULB OR PARTS PROBLEMS:

(425) 637-9601

8-5 PM West Coast Time. All warranty problems are handled directly through The Designer's Edge.
www.designersedge.com

HOW IT WORKS

Your wireless motion detector transmitter and receiver system provides you with an advanced system which can be used with an existing lighting fixture or any new exterior fixture. Except for high intensity discharge fixtures like high pressure sodium, metal halide and mercury vapor, you can choose any style of fixture you enjoy with the peace of mind and convenience of effective automatic lighting.

No wires! The system applies radio technology to activate the light. With no need of wiring, the Dual Eye™ detector can be placed wherever it is needed within 165 feet of the receiver which will control the light.

Since radio technology is applied, radio wave transmission can be affected by the thick walls, metal window frames, windows, doors and metallic parts of your house. You may have to experiment a little to discover the best location for your transmitter.

*Use as security light for any unprotected side or corner of your house. Lights will be activated when an intruder passes through the target area of the sensor.

*Install as a sensing device to turn lights on as people approach the entrance of your home.

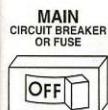
*Functions as welcome light if installed to sense cars entering the driveway.

Receiver Installation

CHOOSING YOUR SYSTEM CODE

The Dual Eye™ detector communicates with the receiver by a system code. A total of 256 different codes are available to prevent activation of system by a neighbor or additional, but separate, system of your own. If such a situation is unlikely then you can leave the code set as the factory settings.

To set the system code simply move the DIP switches in the detector unit to the desired position. The DIP switches in the receiver unit(s) must now be in the same position.

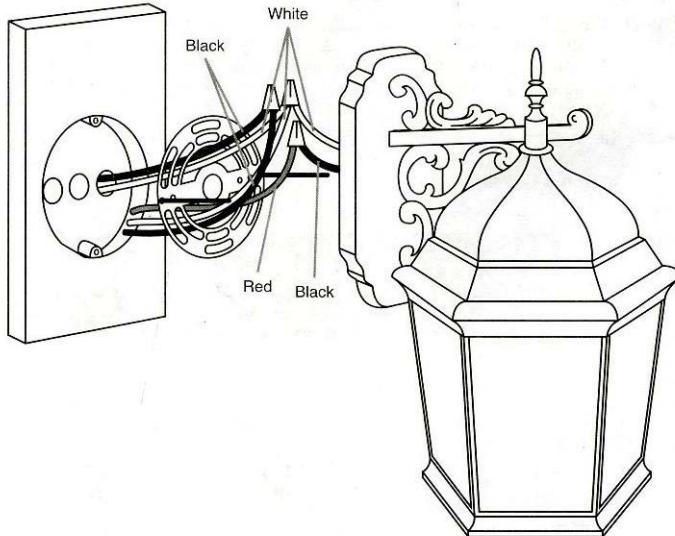


**CAUTION: BEFORE BEGINNING INSTALLATION, FIRST
DISCONNECT POWER TO WIRING LOCATION BY SHUTTING
OFF CIRCUIT BREAKER OR REMOVING FUSE AT FUSE BOX.
SHUTTING OFF A WALL SWITCH THAT CONTROLS THE LIGHT
IS NOT SUFFICIENT TO PREVENT ELECTRIC SHOCK.**

INSTALLATION OF RECEIVER

1. Check local electrical codes before installation. Use only 120 Volt 60hz power supply.
2. **BE SURE POWER IS TURNED OFF AT BREAKER OR FUSE BOX.
TURNING SWITCH OFF IS NOT SUFFICIENT TO PREVENT
ELECTRICAL SHOCK!!**

3. The L-941 and L-942 receivers can be mounted with various lighting configurations. You can choose one of the following configurations:
 - A. If you only have single light fixture only one receiver is needed.
 - B. If you have multiple fixtures on separate circuits that you want to control by one transmitter, you will need one transmitter and a receiver for each light fixture.
 - C. If you have multiple fixtures wired in a series you can place the receiver at the beginning of the series and all the fixtures will come on when activated. Total wattage cannot exceed 1000 watts. Exceeding wattage will damage unit and void warranty.
 - D. You can also use multiple transmitters to turn on one or multiple receivers. You could place a transmitter on each end of your house to activate receiver(s). Simply set all transmitters and receiver(s) to the same code.
4. Using a wirenut, connect all white wires from fixture(s), receiver and supply wire together.
5. Using a wirenut, connect black wire(s) from fixture(s) to red receiver wire together.
6. Using a wirenut, connect black supply wire to black receiver wire.
7. Using a wirenut, connect green wires from fixture(s) and bare ground supply wire together. In the event that your wiring has no ground wire, contact a qualified electrician to provide suitable ground.



8. All wirenuts installed to connect wires should be taped in place with electrical tape to assure they cannot come off accidentally at a later time.
9. Secure fixture to receiver, following instructions for fixture mounting.
10. Use silicone caulk or suitable RTV compound around top and sides of receiver and other open screw holes for watertight seal. Leave bottom clear to let moisture escape.
11. Install appropriate bulbs.
12. At main breaker, turn power back on.

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Manual Override

If you have an indoor switch in the wiring circuit, the fixture(s) can also be controlled manually. Depending on the option chosen the light can be turned on as an alternative to automatic operation.

To manually override motion detector:

Turn **off** wall switch for at least 6 seconds, turn **on** wall switch for at least 5 seconds to enter in **Test** mode. Turn switch **off** and back **on quickly**, this puts receiver in **Auto** mode. Or after 3 minutes this option will automatically turn to **Auto Mode**. To enter in to **Manual** mode, turn wall switch **off, on, off, on, off and on quickly**.

To return to Auto Mode motion detection:

Turn power **off** and back **on quickly**. Or after 8 hours this option will automatically turn to **Auto Mode**.

Auto Reset

If there is a power outage, the unit function will return to auto-mode, same as if you cut power off from wall switch in excess of 6 seconds.

Transmitter Installation

CHOOSING YOUR SYSTEM CODE

The Dual Eye™ detector communicates with the receiver by a system code. A total of 256 different codes are available to prevent activation of system by a neighbor or additional but separate system of your own. If such a situation is unlikely then you can leave the code set as the factory settings.

To set the system code simply move the DIP switches in the detector unit to the desired position. The DIP switches in the receiver unit(s) must now be in the same position.

TRANSMITTER ADJUSTMENTS

Test Mode

Slide 3 way switch to **Test**, to deactivate the photocell and allow the motion detector to function in daylight for time and sensitivity adjustments.

Automatic Mode

Slide 3 way switch to **Auto**, to activate the photocell and allow the motion detector to function.

Dusk to Dawn Mode

Slide 3 way switch to **D-D**, to activate the photocell and deactivate motion detector. This fixture will now work as a dusk-to-dawn fixture. The light will come on at dusk and go off at dawn. The photo cell will automatically adjust for seasonal daylight changes saving energy.

Sensitivity Adjustment

This button on left, marked by "S", adjusts the distance of detection desired.

LED Red distance is about 40 feet

LED Yellow distance is about 20 feet

LED Green distance is about 10 feet

Time Adjustment

This button on right, marked by a clock, adjusts the amount of time the light remains on after motion is detected in the detection zone.

LED Red time out is about 30 seconds

LED Yellow time out is about 1 minute

LED Green time out is about 3 minutes

INSTALLATION OF TRANSMITTER

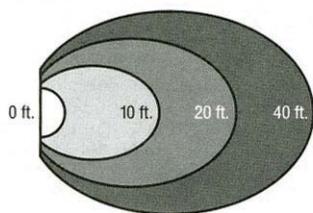
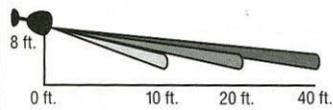
1. After setting code using DIP switches determine position on wall or solid surface within 165 feet of receiver. For optimal operation:
 - A. Mount unit 8 to 10 feet above ground on wall or solid post.
 - B. Mount away from heat producing sources such as air conditioners & barbecue grills, other light fixtures or sources of light. Keep in mind areas with traffic, pets or other moving objects may cause nuisance triggering.
 - C. Do not aim at highly reflective surfaces such as smooth white walls, waterfalls, or windows.
 - D. Point sensor slightly downward. Do not mount up facing sun.
2. Attach 9 volt battery (not included) to connector and insert into slot, keeping hold of end of ribbon so that the battery can be easily removed when it needs to be replaced.
3. Remove screw and nut in mounting plate. Do not discard. Pop ball out of back plate.
4. Place back plate of transmitter in the desired position and mark holes. Drill holes to allow plastic molly anchors to be inserted. Insert plastic

molly anchors. Place back plate in position and secure with provided screws.

5. Pop ball back into back plate. Replace nut and screw and lightly tighten so that position can be adjusted.
6. If dusk to dawn operation is desired slide 3 way switch to "**D-D**" and installation is complete.
7. To set time and sensitivity of motion detector, slide 3 position switch to **Test**.
8. Aim the control module to the desired target area. Have a person stand approximately in the center of the target area moving slightly. Moving arms up and down is usually sufficient. Press "S" button to change color of LED and sensitivity. If within 40 feet press button to turn red. If within 20 feet press button to turn yellow. If within 10 feet press button to turn green. Tilting sensor up or down or side to side may be needed to activate in target area.
9. Select the amount of time the fixtures stay on after motion is detected. LED Red time out is about 30 seconds. LED Yellow time out is about 1 minute. LED Green time out is about 3 minutes.
10. After your settings are where you want them slide 3 way switch to **Auto**. Installation is complete.

SPECIFICATIONS:

SIDE VIEW FOR AIMING UNIT



Sensor Range: 40 ft. x 220 Degrees
Power Consumption: 9 volt battery (transmitter module only)
Power Requirement: 110/120 volts 60 Hz. (receiver only)
Load Rating: 1000 watts maximum
Delay Control: 30 seconds to 3 minutes (approximately)

TROUBLESHOOTING

Light(s) do not come on at all:

1. Make sure the breaker for the fuse is in the on position.
2. Make sure the switch in the house is turned on.
3. Make sure the codes are the same in transmitter and receiver.
4. Check to see there is a working battery in the motion detector.
5. Make sure the lamps being used are working.
6. Make sure receiver is getting strong signal from transmitter.
7. Check all wiring and connections.
 - A: All white wires
 - B: Black fixture wire to red receiver wire.
 - C: Black house wire to black receiver wire.
 - D: Ground wires.

Lights stay on all night

1. Make sure 3 way switch is in Auto position for motion detection, not "D-D" for dusk to dawn.
2. Check to make sure detector is suffering from false activation

Motion Detector triggers on with motion, and stays on:

1. Move motion detector away from fixture, or use lower wattage lamps.
2. If mounted on slope, aim slightly upward if slope is upward. If on downward slope, aim motion detector head severely downward, and slowly raise if necessary. Adjust during day using test mode.
3. Adjust SENS sensitivity adjustment. Do not use this adjustment to compensate for poor aiming.
4. Aim motion detector head lower, away from moving busy areas such as sidewalks and streets.

Motion Detector triggers on randomly.

1. Move motion detector away from fixture, or use lower wattage lamps.
2. Aim motion detector head lower.
3. Make sure motion detector head is not aimed at heating/cooling ducts, metal sheds, pools of water, windows, or smooth walls.
4. Check for small animals, pets or nearby traffic or pedestrians.
5. Check to see if someone has installed a wireless motion detector and is using the same code.
6. Adjust SENS sensitivity setting.
7. Make sure motion detector is mounted on firm surface, as mechanical vibrations can cause false triggering.

NOTE: Occasionally, in severe frigid temperatures flows of warm air passing the motion detector may cause light to cycle on and off due to extreme temperature change. This is not a sign of a problem. This infrequent occurrence will not affect normal operation of unit.

Detection range varies from day to day.

1. Motion detector operates by sending temperature differences. The temperature contrast of body and surrounding conditions is subject to different seasons. Therefore, it may be necessary to make seasonal adjustments to the motion detector.

Not enough or too much detection range

1. Adjust SENS sensitivity setting to desired level.

IMPORTANT NOTICE:

1. The size of the luminaire canopy should be between 4 and 6 inches in diameter.
2. Weight of luminaire should not exceed 10 pounds.
3. This product is not to be used with luminaires marked "noncombustible surfaces only."



The Designers Edge, Inc.
L-941/L-942

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

NOTE: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.