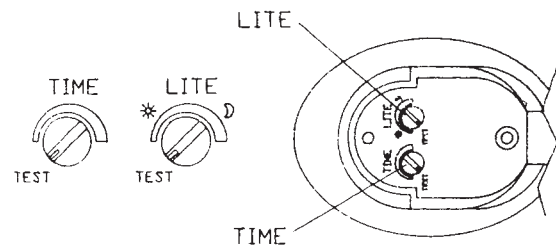


TIME ADJUSTMENT:

- The TIME adjustment controls how long the lights will stay on after motion has been detected.
- Turn the TIME control knob to mid-position. Note how long it takes for the lighting to turn off after motion stops.
- Adjust the TIME control clockwise to increase the length of time light/s stay on. (Approx. 12 Mins)
- Counter-clockwise to decrease the length of time light/s stay on. (Min. 5 Secs.)

LITE ADJUSTMENT:

- The LITE adjustment determines at what light level the Light Control will shut off, when in the **AUTO MODE**.
- The LITE control was set at the factory counter-clockwise to the TEST position, so that it would operate even in daylight.
- Now turn the LITE control knob completely clockwise. At dusk, turn the LITE control knob slowly counter-clockwise until the light comes on. The Light Control will now be active only from dusk to dawn.



BOTTOM OF MOTION SENSOR
(FIGURE 6)

NOTE: While adjusting the LITE control, you concurrently wave your hand slowly past the lens (detect) window so as to induce the sensor to detect motion.

MANUAL OVERRIDE:

To switch unit from AUTO mode to Manual OVERRIDE turn light switch to OFF then back to ON within 2 seconds. The unit will stay on indefinitely. To switch back to AUTO mode turn light switch to OFF for 10 seconds then back to ON. Unit will return to AUTO mode.

AUTO MODE:

- The detector detects motion and turns on the lighting automatically.
- When the ON/OFF wall switch is turned "ON", and the time control knob is set to the TEST position, the lamp should have been "ON" for 40 seconds to warm up and then it should have turned off itself automatically. The light control now goes into AUTO MODE. Walk past the detection area, the lamp will turn on for the adjusted period of time. The built-in photocell turns the lamp off during the day when the LITE control knob is set at the "MOON" position.

REMARKS:

- 40 seconds warming-up time is necessary for switching from any position to AUTO MODE.

TROUBLE SHOOTING GUIDE

*Lights do not come on at all:

- 1) Check to see that there is power to the motion sensor.
- 2) Make sure that the lamps being used are not blown.
- 3) Sometimes the fiber washer may prevent proper bulb contact.
- 4) Check all wiring and connections.

*Lights stay on all day and night:

Check all wiring and connections

***Motion sensor triggers on with motion, and stays on:**

- 1) Move the floodlamps away from the motion sensor head. Or use lower wattage energy saving bulbs.
- 2) Aim the motion sensor head downwards slightly.
- 3) Reduce the range setting.
- 4) Reduce the time setting.

***Not enough range, or too much range:**

- 1) Your motion sensor is most sensitive to motion across its field of view, not towards or away from it. Try to mount the sensor's head diagonally across the area to be protected.
- 2) The Motion Sensor works best on flat terrain. Point the head downwards for valleys, and slightly upwards for hills.
- 3) Adjust the range control properly.
- 4) If more range is required, try pointing the motion sensor head slightly downwards, as the 3rd level of vision may be covering the area above your head.
- 5) If there is too much range, point the Motion Sensor head severely downwards. Do not use the range control to compensate for improper aiming.



73210/73211

**Motion Sensor
Quartz
Security Light**

The 73210/73211 is a Lighting fixture with twin spotlights that may be installed indoors or outdoors. The 73210/73211 controls the lighting of both spotlights to provide convenience, security, economy and safety. When motion is sensed, the light control automatically turns on a welcoming lamp for your family and friends as they approach your home. When intruders should come near your home an unexpected light will shower on them and frighten them away. The light control also saves energy by activating only at night and only when needed. The 73210/73211 provides efficient light control for your benefit. This unit uses a built-in passive infrared detector that reacts instantly to body heat and switches on both spotlights. After an adjustable period of time, the spotlights switch OFF automatically. A built-in photocell deactivates the Motion Sensor during daylight.



INES62UIMPAA

PARTS INCLUDED IN THIS MODEL

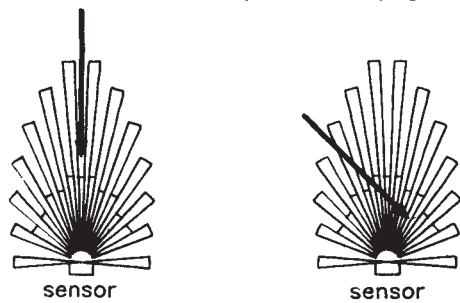
- 1 Mounting Plate Gasket.
- 3 Mounting Screws.
- 3 Wire nuts.
- 2 Fiber washers for lampholders.

INSTALLATION (See Figure 4)

Important: Turn off the power to the lighting circuit at the circuit breaker or fuse box to avoid electric shock.

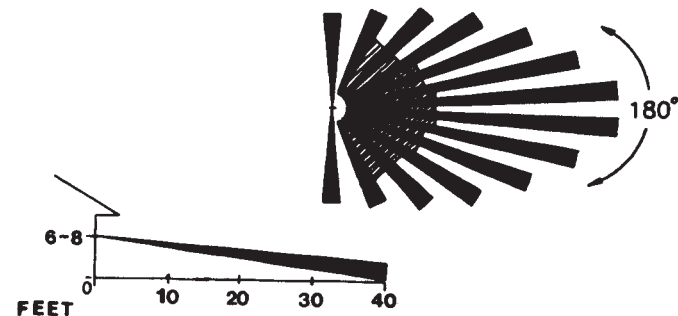
PRECAUTIONS-BEFORE YOU START

- *) Read the entire instruction booklet.
- *) Thoroughly inspect the contents of this box.
- *) Use a regular AC 100-120V/50-60HZ power source for this appliance.
- *) Do not exceed the maximum electrical ratings of the light fixture.
- *) Keep in mind before you mount this unit that your motion detector is most sensitive to motion across its field of view, not towards or away from it. Try to mount the motion sensor diagonally across the area to be protected. (Figure 1)



LEAST SENSITIVE MOST SENSITIVE
SENSITIVITY TO MOTION -
(FIGURE 1)

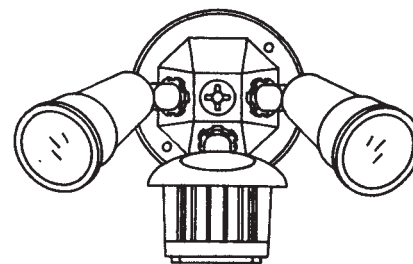
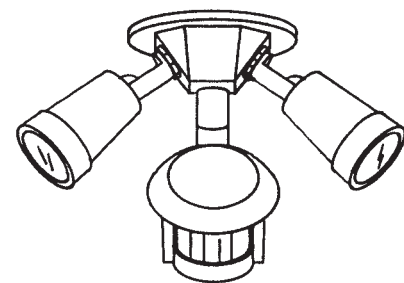
- *) For best results, mount this unit on a solid surface, 6 to 8 feet above ground level. (Figure 2)



COVERAGE ANGLES
(FIGURE 2)

- *) Do not use lamps rated higher than 150 watts.
- *) The lamp holders should be pointed at least 10 degrees below horizontal.
- *) Always install this product in a position so the control knobs of the motion sensor are facing down.
- *) 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 the unit. The product should be protected from weather by mounting it under roofs.
- *) Avoid the motion sensor from being pointed at trees or shrubs or where the motion of pets may be detected.
- *) Do not let the motion sensor touch the lamp holder or lamp. Damage or unstable operation may result. Also do not allow the flood lights to shine directly at the motion sensor device.

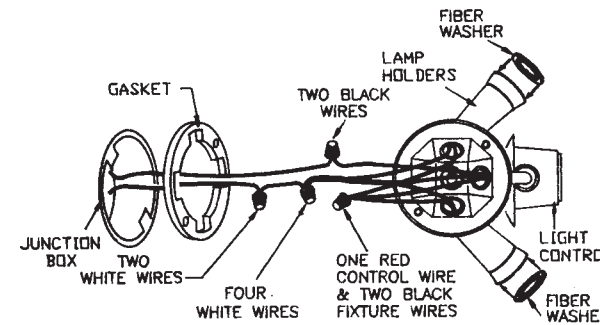
Figure 3:
Shows two typical installations.



TYPICAL INSTALLATIONS
(FIGURE 3)

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 wire is aluminium, consult with electrician about proper wiring methods. (Figure 4)



WIRING DIAGRAM

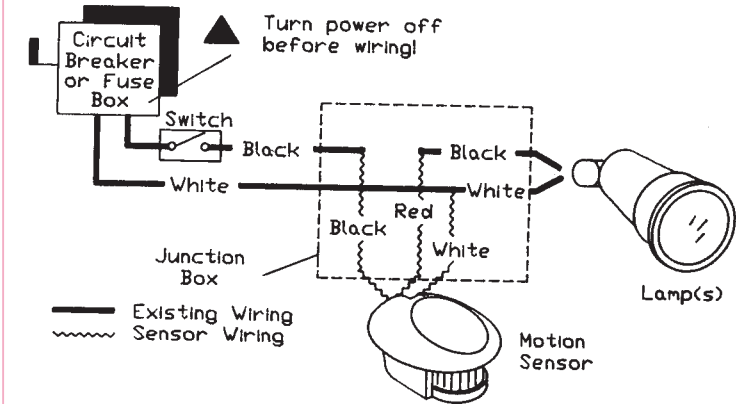
(FIGURE 4)

FOR NEW INSTALLATIONS: (See figure 5)

- Route the wiring from a fused or circuit breaker source through a switch and then to the location of your fixture.
- Install a suitable junction box at the location you selected for the installation of your fixture. If a metal junction box is used, connect the bare ground (or earth ground) wire from the power source to the junction box grounding screw.
- Before mounting this unit make sure that the gasket is evenly and smoothly placed.

NOTE: When mounting the 73210/73211 in uneven surfaces, please use silicone caulking between the mounting plate and the surface.

- Use a philip's screw driver to loosen the screw(s) a bit before adjusting the lamp holder(s).



WIRING DIAGRAM

(FIGURE 5)

SETTING UP THE MOTION SENSOR

TEST MODE:

- Turn the LITE and TIME control knob completely counter clockwise to the TEST position. (SEE FIG.6 for the location of the control knobs.)
- Walk through the coverage area. The light will turn ON when motion is detected and turn OFF shortly after motion stops. Wait about 5 secs. or more between test motions.
- Adjust the ball joint to obtain the desired coverage.