

2. Installing Your Motion Sensor

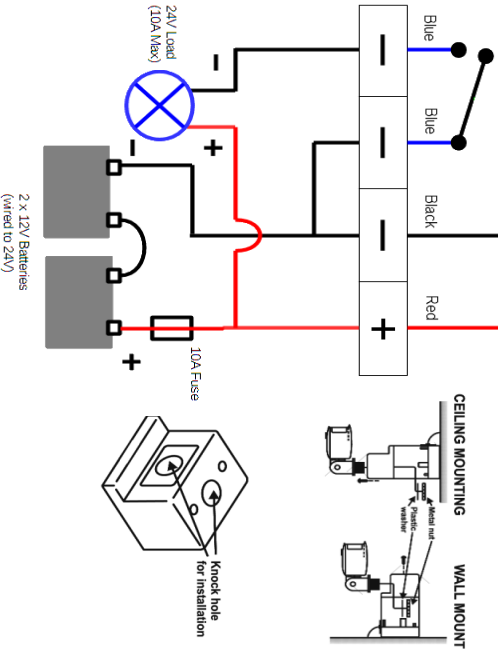
Caution: Turn off all power by removing power fuse or turning off circuit breaker.

- Read entire instruction manual before proceeding.
- All wiring should comply with local electrical codes and may require a qualified electrician.
- The total lighting load connected to the sensor must not exceed 10A load. Do not use to control motors or pumps.
- If you are replacing an existing outdoor light, turn off the power, disconnect and remove the old fixture, or if there is no power, contact your supplier to install the required DC wiring.

Install Procedure

- Fasten the box base rigidly to the selected mounting surface (Wall or Ceiling) with the cable entry hole facing downward.
- Take Light & Power Cable through rubber grommet, then connect wires as per wiring diagram.
- Knock out either of the holes for fitting the sensor onto the base (depending on whether it will be wall mounted or ceiling mounted).
- Fit terminal block onto pins and install the sensor, securing it onto the connection box with the plastic washer and metal nut provided.
- Re-check if the wire connection is correct.
- Cover base with sensor cover, then fix with 2 screws.

Relay Switched by PIR



2 x 12V Batteries
(wired to 24V)

3. Aiming And Adjustment

When power is applied to the sensor, it will start working in AUTO MODE. If you need to check and adjust the coverage pattern of sensor, following FIG. F, you can turn adjusting knob of TIME control to "–", LUX control to \pm + & METER control to "+". Thereafter, you can do "WALK TEST" and the sensor will operate in any ambient light level and go off about 6 seconds after each detection.

1. Follow FIG. F – Start outside the pattern and walk across the pattern until the control unit go on and off, repeat it until you are satisfied with the coverage.
2. Eliminating unwanted detection. To mask a lens segment, use the black colour electric tape and cover only the lens segment which is viewing the potential problem area such as an open doorway. Caution must be observed so that the lens is not scratched or damaged, after properly masking a lens segment, recheck by walk testing for proper detection.

4. Normal Operation

Power switch of the sensor ON, the sensor will automatically turn into "AUTO" mode. This "AUTO" mode is for normal operation.

1. Set the "TIME" control. The minimum setting is about 6 secs. The maximum is about 12 minutes. This period starts after the movement in the detection coverage.
2. Set the "LUX" control. Turn adjusting knob to (●). The device only operates during the period of darkness. Turn adjusting knob to (± + ●). The device will operate in any degree of brightness.

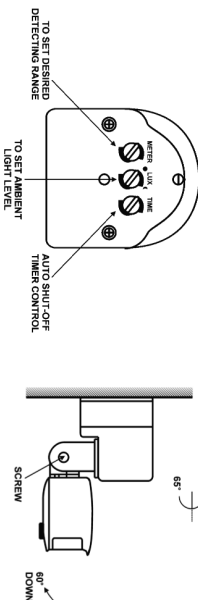
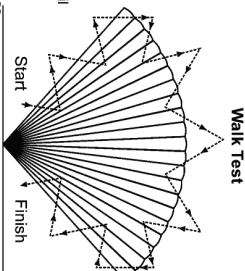


FIG F

FIG G

Turning the switch OFF will turn off the sensor and the controlled unit. When switching the power switch ON, the sensor will automatically switch ON (in AUTOMATIC MODE). Leave the power switch ON, for normal operation. The sensor will either only switch the light on at night or the whole day – depending on the setting of the daylight sensor. (LUX)

Note:

- In **auto mode**, the timer remains on for about 6 seconds. But, when the object keeps moving in the detecting area, the timer will renew its counting time and not turn off until 6 seconds after the object stops moving.
- **Conditions which may cause lower sensitivity:**
 1. On very foggy nights sensitivity may be less due to moisture collecting on the lens.
 2. On very hot days sensitivity may be less since high ambient temperature and surrounding inanimate objects may be close to body temperature making the unit appear to be much less sensitive.
 3. On very cold days when heavy clothing is used, especially covering the facial area, very little heat will be emitted from the body causing the unit to appear less sensitive.
- **Cleaning** – Wipe with damp cloth, only. Soaps or polishes may damage the sensor lens.