



# **SOLAR POWERED MOTION SENSOR LED FLOOD LIGHT**

KASLRMTLITA



# SAFETY & WARNINGS



## WARNING

Failure to follow these warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference.

1. Keep the installation area clean. Cluttered areas invite accidents.
2. Observe installation area conditions. Keep work area well-lit during installation.
3. Check for damaged parts. Before using any product, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for any broken or damaged parts and any other conditions that may affect its operation. Replace or repair damaged or worn parts immediately. Do not use the Security Light if any switch does not turn on and off properly.
4. Replacement parts and accessories. When servicing, use only identical replacement parts. Use of any other parts will void the warranty.
5. Check hardware and assembled parts after assembling. All connections should be tight and hardware tightened.
6. Keep children away. Mount the Light, Solar Panel and Cord out of children's reach.
7. Dress properly. Protective, electrically non-conductive clothes and non-skid footwear are recommended when working with the Solar Powered Security Light. Wear restrictive hair covering to contain long hair.
8. Use eye protection. Wear ANSI-approved impact safety goggles when setting up this product.
9. Maintain products with care. Keep the Solar Powered Security Light clean for better and safer performance. Inspect the Light periodically. If damaged, have it repaired by a qualified technician.
10. Do not overreach. Keep proper footing and balance at all times. If a ladder is to be used during installation, it should be supported by an assistant.
11. Do not set up the Solar Powered Security Light if under the influence of alcohol or drugs. Read warning labels on prescriptions to determine if your judgement or reflexes are impaired while taking drugs. If there is any doubt, do not set up the Light.
12. NiCd battery must be recycled or disposed of properly. Do not short, incinerate or open the battery.
13. Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.
14. The warnings, precautions and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product but must be supplied by the operator.

# OVERVIEW

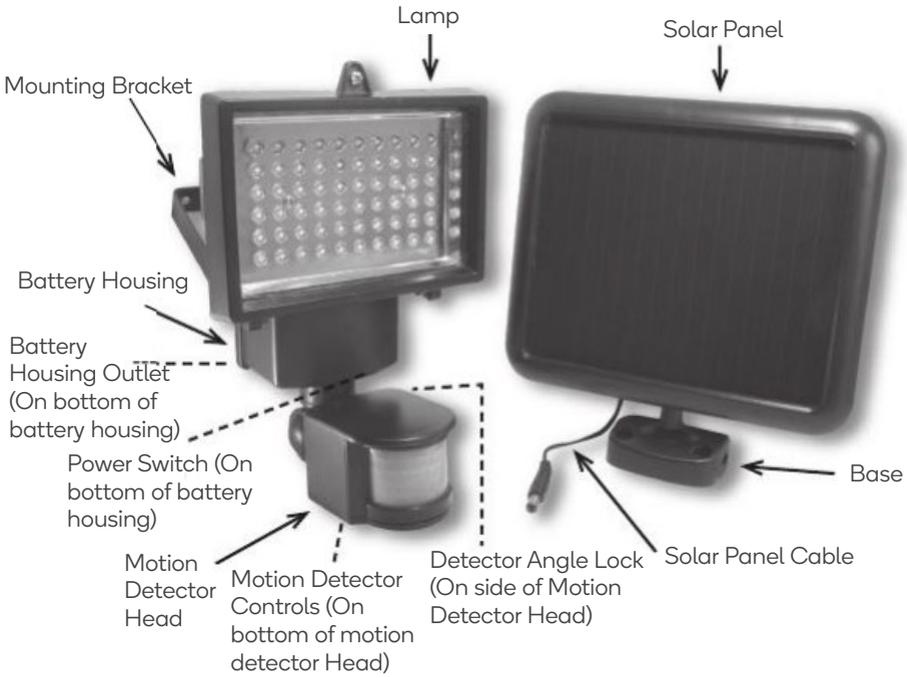
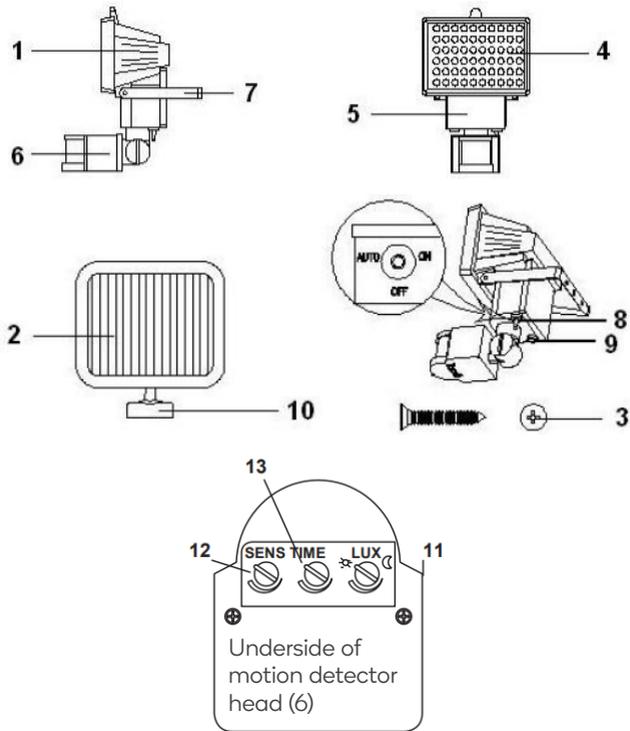


Figure 1



## Part List

Part	Description	Qty
1	Lamp	1
2	Solar Panel	1
3	Mounting Screw	6
4	LED	60
5	Battery Housing	1
6	Motion Detector Head	1
7	Mounting Plate	1
8	Power Switch	1
9	Battery Housing Outlet	1
10	Solar Panel Mounting Bracket	1
11	LUX Adjusting Knob	1
12	SENS Adjusting Knob	1
13	TIME Adjusting Knob	1
14	6V NiCd Battery Pack (not shown)	1

# INSTALLATION

## Set-up before use

Read the entire important safety information section at the beginning of this manual including all text under subheadings therein before setting up or use of this product.

### Note:

For additional information regarding the parts listed in the following pages, refer to Parts List and Diagram on page 10.

## Installation

1. Decide where you want to place the Lamp and the Solar Panel. The Solar Panel is equipped with a 16ft. connecting wire, so the Lamp and Solar Panel can be installed up to 16ft. apart. The Solar Panel must be set in a location that receives full, direct sunlight, a minimum of eight hours a day. Ideally, the solar panel should be angled slightly toward the north.
2. Mount the Solar Panel:
  - a) Place the Solar Panel in the desired location, adjusting the unit to best fit the surface.
  - b) Mark the hole locations of the Base, then set the Solar Panel aside.
  - c) Check that the marked areas are clear of obstacles such as cables and electrical lines. Drill holes for the enclosed Screws and Plastic Anchors.
  - d) Insert the plastic Anchors then secure the Solar Panel in place with the screws.
3. Mount the Lamp:
  - a) Locate the unit six to eight feet above the ground on a solid surface capable of supporting the Lamp and secure enough so that it will not move when exposed to vibrations or wind. The unit must be high enough to allow for motion detection and light distribution.
  - b) Mark the hole locations of the Mounting Bracket, then set the Lamp aside.
  - c) Check that the marked areas are clear of obstacles such as cables and electrical lines. Drill holes for the enclosed Screws.
  - d) Secure the Lamp in place with the screws.
4. Carefully route the Power Cord of the Solar Panel to the Lamp and plug it into the Battery Housing Outlet on the back of the Battery Housing.
5. Loosen the Detector Angle Lock, swivel the Motion Detector Head so that it faces the area where the movement will occur and tighten the Detector Angle Lock.

# OPERATION

Read the entire important safety information section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

## Initial Battery Charging

Before the Security Light can operate properly, the batteries need to be fully charged. To charge the batteries:

1. Turn OFF the Power Switch.
2. Allow 3 days of full sunlight to fully charge the batteries.
3. After charging, turn the Power Switch Auto. The light will illuminate for a short time when first switched on. This indicates that it is working properly.

**WARNING:** The Unit will not function unless:  
The Solar panel is first charged for 3 days of full sun with the sensor off.

## Power Switch

The Power Switch, located under the Battery Housing of the Lamp has three settings:

OFF: Centre position.

ON: Towards the Lamp. The lamp stays on functioning as a normal light.

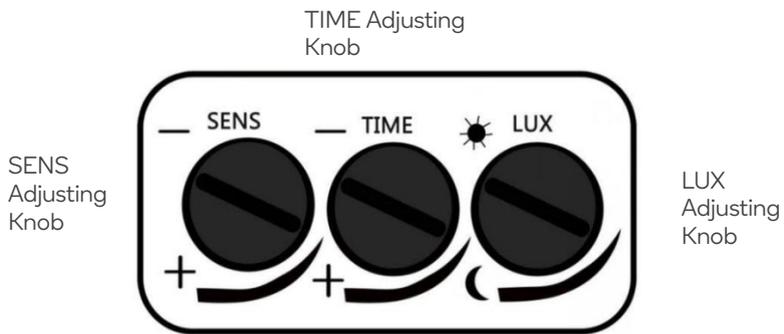
AUTO: Away from the Lamp. The light will turn on automatically when motion is detected by the Motion Sensor Head.

## Motion Detector Control Knobs

The Solar Powered Security Light has 3 different Control Knobs on the underside of the Motion Detector Head. They control the Motion Detector Head's sensor. They are sensitive to light (LUX), the light's duration (TIME) and the sensor's sensitivity to motion (SENS).

**Note:**

After each adjustment, walk the detection area to check the adjustment just made.



Underside of motion detector head

## LUX (Light Level)

Adjust the light level that activates the light



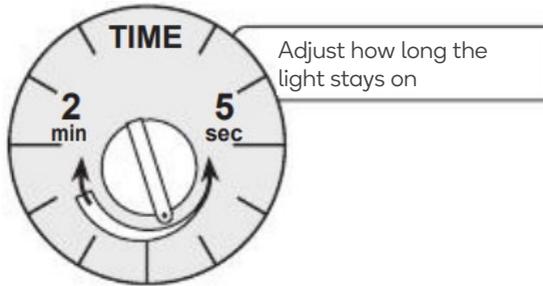
The LUX Adjusting Knob (9) tells the sensor the level of darkness that must be reached before the Light turns on.

	<p><b>Lowest Setting:</b> If the dial is turned towards the moon icon, the sensor will only trigger when it's dark. This is usually the best position for general evening and night operation.</p>
	<p><b>Maximum Setting:</b> If the dial is turned towards the sun icon, the light will turn on in most situations ranging from dusk to daylight.</p>

### Note:

If the Security Light is not operating at night due to interference from a streetlight or other interference, turn the LUX knob towards the maximum setting (☀️). Adjust the dial as needed between the minimum and maximum settings to achieve the desired level of sensitivity.

## TIME (Light Duration)



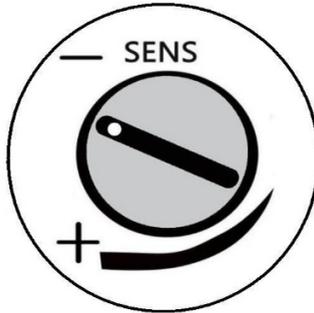
The TIME Adjusting Knob (I1) sets how long the light stays lit after motion is no longer detected by the sensor.

The TIME is adjustable from 5 seconds to 2 minutes.

	<p><b>Minimum Position:</b> Turn the dial counter-clockwise to the minimum for the light to stay on for 5 seconds after motion is no longer detected.</p>
	<p><b>Mid-Range:</b> Adjusting the dial between the Minimum and Maximum to choose any time between 5 seconds and 2 minutes for the light to stay on after motion is no longer detected.</p>
	<p><b>Maximum Position:</b> Turn the dial clockwise to the maximum for the light to stay on for 2 minutes after motion is no longer detected.</p>

## SENS (Sensitivity)

This determines the detection range of the motion sensor

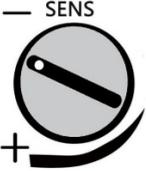
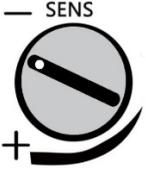


The SENS Adjusting Knob (10) sets the level of sensitivity of the Motion Detector Head.

The Motion Detector Head is most sensitive to movement across the detection zone, rather than movement toward or away from the Motion Detector Head (6).

Movement is best detected at a distance of 40 feet or less.

Sensitivity is affected by the ambient air temperature. If it is hot outside, the sensor has difficulty detecting changes in heat. In cold temperatures, the sensitivity is increased and may need to be adjusted.

	<p>Minimum Position: Rotate the dial to the “-” indicator to decrease the sensor distance</p>
	<p>Maximum Position: Rotate the dial to the “+” indicator to increase the sensor distance</p>

**Note:**

Turn the dial anywhere between the minimum and maximum settings to adjust the level of sensitivity, as needed.

**Testing the Light**

After the battery is charged and the control Knobs are set, walk slowly around the detection area. The sensor detects infrared radiation given off by a person or animal. This triggers the light to turn on. The Light should go on in the area that you set up the Security Light to monitor. Adjust the Knobs and sensor and re-test until the unit functions as desired. Repeat the test procedure as needed when there are weather and/or temperature changes.

# CLEANING & CARE

Procedures not specifically explained in this manual must be performed only by a qualified technician.

## **Warning:**

To prevent serious injury, do not use damaged equipment. If abnormal noise occurs, have the problem corrected before further use.

## **Cleaning and Maintenance**

Periodically, inspect the general condition of the item. Check for:

- Leaking, swollen or cracked battery pack
- Loose hardware
- Misalignment or binding of parts
- Cracked or broken parts
- Any other issue that may affect safe operation

If there are any issues with the device, contact [Kogan.com](https://www.kogan.com) support.

# SPECIFICATIONS

Lamp	60 Super Bright White LEDs
Battery Pack	6V, 900mAh, NiCd Battery Pack
Solar Panel	6-1/4" x 5" Amorphous Solar Panel
Detects Motion	Up to 40'
Range of Motion	Up to 120°
Delay Time	5 to 120 Seconds (adjustable)

# TROUBLESHOOTING

Problem	Possible Causes	Likely Solutions
Light won't turn on.	<ol style="list-style-type: none"> <li>1. Power is not on.</li> <li>2. Cable connection is loose.</li> <li>3. LUX control is set too low.</li> <li>4. Motion sensor not detecting movement.</li> <li>5. Battery pack not fully charged.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check that Power Switch is set to on or auto.</li> <li>2. Plug-in firmly at the back of Battery Housing.</li> <li>3. Turn LUX knob to turn settings higher.</li> <li>4. Adjust angle and direction of Motion Detector Head.</li> <li>5. Keep the solar panel clean. Allow charging in full sunlight for 3 days with the Power Switch off.</li> </ol>
Light turns on during day.	LUX control is set too close to.	Turn knob towards.
Light flashes on and off with clicking sounds.	Low battery.	With Switch set to "off", allow charging in full sunlight for 3 days before further use.
Light stays "on".	<ol style="list-style-type: none"> <li>1. Duration time setting too long.</li> <li>2. Frequent changes in heat being detected.</li> <li>3. Power Switch set to on.</li> </ol>	<ol style="list-style-type: none"> <li>1. Turn TIME knob counter-clockwise to reduce the time the light stays on.</li> <li>2. Check sensing area for possible heat sources such as air vents, vehicles or objects in wind. Reposition the Motion Detector Head if needed or turn SENS Knob counter-clockwise to lower sensitivity.</li> <li>3. Turn Power Switch to auto.</li> </ol>
Light turns on and off.	<ol style="list-style-type: none"> <li>1. Changes in heat are being detected from a fixed heat source or moving object.</li> <li>2. Sudden temperature changes due to storms or high winds.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check sensing area for possible heat sources such as air vents, vehicles or objects in wind. Reposition the Motion Detector Head.</li> <li>2. Turn Power Switch "off" until the storm passes. Mount in a sheltered location.</li> </ol>
Follow all safety precautions whenever diagnosing or servicing Disconnect Battery Pack and Charger power supply before service.		

### **Need more information?**

We hope that this user guide has given you the assistance needed for a simple set-up. For the most up-to-date guide for your product, as well as any additional assistance you may require, head online to **[help.kogan.com](https://help.kogan.com)**

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