



SOLAR MOTION ACTIVATED SECURITY LIGHT

Warranty Information

1-YEAR LIMITED PRODUCT WARRANTY

This product is covered under a one year limited warranty. Fusion Products Ltd. warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of one year warranty from date of purchase.

For Technical Support and/or Warranty inquiries

please contact:

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Monday to Friday

8:30-5:00 PM EST

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FUSION PRODUCTS LTD.

Model No. 16900

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Overview

This product is designed to the highest technical specifications and standards. It will supply years of maintenance free use. Please read these instructions thoroughly prior to installation, then store in a safe place for future reference. If at any time you are unclear about this product, or require further assistance please do not hesitate to contact our trained professionals operating the customer support line at 1-877-615-1378 Monday to Friday between the hours 8:30 AM to 5:00 PM Eastern Standard Time or email sales@fusionproducts.ca

Trouble Shooting Tips

If your solar light does not come on at dusk despite following all instructions please try the following steps:

1. Make sure that the solar light is not affected by any other light source.
2. Ensure the solar light does not stand in the shade all day.
3. Check to see if the batteries are installed correctly.
4. If there is a protective film on the solar panel carefully remove this.

Care Information

1. Clean any dirt and debris from the solar panel. The panel cannot recharge if the light is obstructed. Use a soft cloth to clean the panel. Do not use abrasives or chemicals that might scratch or damage the UV coating.
2. In a region where snow and ice are likely and the light assembly is covered with snow for an extended period of time the batteries will require a recharge for at least 8 hours.

Battery Replacement

STEP 1:

Turn the switch to the <OFF> position on the back of the fixture (Figure 4).

STEP 2:

Remove the screws (4) from the battery compartment cover (Figure 5).

STEP 3:

Carefully separate the battery pack connector. Remove the old battery pack. Replace the battery pack with an equivalent new solar rechargeable battery pack; ensuring the correct polarity is observed.

STEP 4:

Reassemble the unit by reversing the above procedure.

STEP 5:

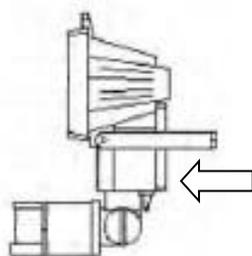
Allow the unit to charge for up to 2 days in the <OFF> position. Once fully charged, move the switch to the <ON> position. The light will automatically come on when motion is detected within the detection zone of the sensor once it gets dark.

Caution: Rechargeable batteries contain Nickel-Cadmium or Nickel-Metal Hydride and must be recycled or disposed of properly. Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc), or rechargeable batteries. Do not dispose of batteries in fire. Batteries may explode or leak.

Figure 4



Figure 5



About Your Solar Light

During the day your solar panel will convert the sun's light and/or UV rays into electrical power that will charge the rechargeable battery. When it becomes dark, the solar light will turn on using the power stored on the rechargeable battery as it will detect no day light. The units light output strength and time depends on how many hours and how much sunlight and/or UV rays your panel absorbs throughout the day.

For maximum output place the solar panel in an area where there is direct sunlight for at least 8 hours in a given day. Do not install your solar light in a shaded area. The selected location should not be near night time light sources such as; porch lights, street lights or pool lights as these may cause the solar light to turn off prematurely.

Getting Started

Please do not throw away any packing material until all parts are verified as present.

Important

- Fully charge the battery before first use. Charge under direct sunlight in the <OFF> position for 2 days.
- For best results, locate your solar lamp in a position where it can get direct sunlight on the solar panel and generally free from cover and shade.
- Keep your solar lights away from other night-time light sources, such as streetlights.
- Make sure the solar panels are not covered by dust, snow and debris. Clean it with a soft damp cloth or paper towel periodically. Avoid the use of abrasive cleaning agents.
- Use only rechargeable batteries for your solar lights. Replace with a new battery of the same size each year for optimum performance.
- The performance of the solar light will vary with the time of year. It will deliver more light when it has had a full day in the sun rather than a day in overcast weather.

Operation

For First Time Use:

STEP 1:

Fully charge the battery before first use. Charge under direct sunlight in the <OFF> position for 2 days (Figure 1).

STEP 2:

For daily operation, place the ON/OFF switch on the back of the light in the <ON> position (Figure 1).

When movement is detected, the light will switch on for a short period depending on the TIME setting underneath the motion sensor; and will then proceed to shut off until movement is detected again.

Using the Control Dials

ON THE BOTTOM OF THE MOTION SENSOR THERE ARE 3 DIALS. THEY CONTROL THE LIGHT'S DURATION, SENSITIVITY TO LIGHT, AND SENSITIVITY TO MOTION.

See Figure 2.

SENS (SENSITIVITY):

This determines the range of motion detection (Figure 3).

1. Mid-Position: normal setting.
2. Maximum setting: maximum range.

TIME (RUN TIME):

1. The TIME dial sets the duration of illumination time.
2. The TIME is adjustable from 8 seconds to 2 minutes. Rotating the dial clockwise will increase the illumination time.

LUX (LIGHT LEVEL):

1. The LUX adjusting dial tells the sensor the level of darkness that must be reached before the light turns on.
2. If set to the maximum level (far left), the light will come on in daylight (when motion is detected).
3. If set to the minimum level, the light will come on when it is dark (when motion is detected).

NOTE: YOUR LIGHT MAY BE SET TO THE DAYLIGHT SETTING FROM THE FACTORY. PLEASE ENSURE THAT ONCE YOU HAVE INSTALLED AND TESTED YOUR LIGHT THAT YOU PLACE THE DIAL IN THE NIGHT POSITION (TOWARDS THE RIGHT).

Figure 1

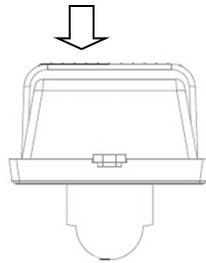


Figure 2

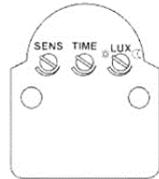
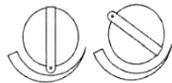
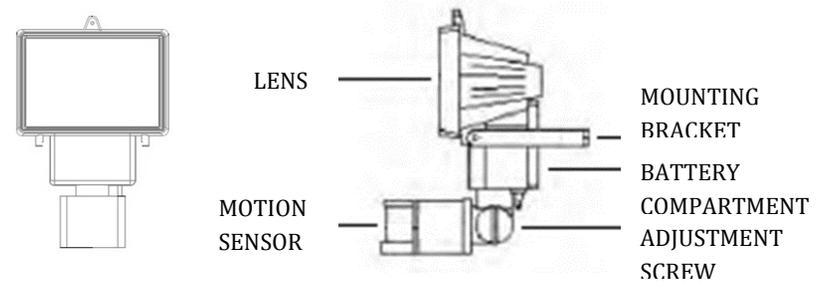


Figure 3



Schematic Diagram



Installation (Light)

STEP 1: Using the wall mount bracket as a guide, select desired installation location.

STEP 2: Mark the holes where you will need to pre-drill for screws or wall anchors (if required).

STEP 3: Pre-drill holes for screws and use wall anchors as necessary (if required).

STEP 4: Secure screws through corresponding holes in mounting bracket.

STEP 5: Using the adjustment screw behind the motion sensor, adjust the angle of the motion sensor as required.

Installation (Solar Panel)

Before proceeding, plug solar panel wire into fixture and make sure you will have enough wire length to mount the solar panel before mounting the solar panel. Mount solar panel in appropriate location where it will receive enough light during the day. Unplug solar panel from fixture if necessary before proceeding to next step.

STEP 1: Using the mounting bracket as a guide, select desired installation location.

STEP 2: Mark the holes where you will need to pre-drill for screws or wall anchors (if required).

STEP 3: Pre-drill holes for screws and use wall anchors as necessary (if required).

STEP 4: Secure screws through corresponding holes in mounting bracket.

STEP 5: Plug solar panel wire into back of fixture.

