



## User Guide For Evo SMD & EvoSMD Pro Solar Security Lights

### SMD SOLAR SECURITY LIGHT



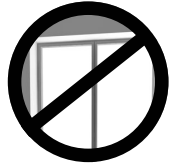
Ensure your solar panel is South facing or as near as possible



Clean your solar panel from time to time



Do **NOT** place your solar panel in shaded areas.



Do **NOT** charge behind glass

Please read these instructions carefully before installing your light.

**Before you begin installation please take great care to ensure the surfaces you intend to mount the light, panel and motion sensor on are sturdy enough to take their weight. Failure to install your Evo SMD correctly could result in human or animal injury, damage to your property and damage to your light. If you are at all unsure please contact your retailer or a professional tradesman for advice. Always take great care when installing your Evo SMD, particularly in high places.**

Before installing your Evo SMD Security Light please consider the location of your light and solar panel before you start making alterations to your property.

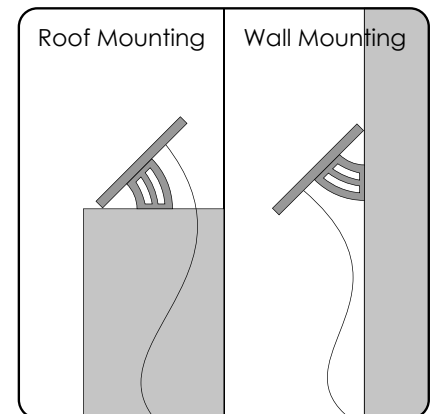
#### Installing the Evo SMD Solar Panel

The Evo SMD has a powerful solar panel that charges its internal high capacity battery during the day. At night this charge powers the Evo SMD enabling it to light when it detects motion. Before installing your Evo SMD solar panel you'll need to consider the best place for it to receive the most amount of sunlight. Position the solar panel in a South facing location that is not obstructed by buildings, fences, trees, sheds, bushes or the shadows that these create. Please note that a poor solar panel location will drastically reduce the performance of your Evo SMD Security Light. Please remember that the solar panel will not charge inside behind glass or under artificial light.

The Evo SMD solar panel can be mounted on either a horizontal surface, such as a shed or garage roof, or a vertical surface such as a wall. Once you have decided on your solar panel location, hold your solar panel in place and mark the four holes. Prepare the holes and screw your solar panel into place using the supplied screws and screw plugs.

#### Installing the Evo SMD Light

It might be easier remove the light from the bracket in order to install it, but this isn't always necessary. To remove the Evo SMD from its bracket simply unscrew the bolts that secure the bracket to the light. When you are ready to install the light position the Evo SMD in your desired location and mark the two holes in the mounting bracket. Place the light to one side, drill your two marks and secure mount using the supplied screws and screw plugs. If you removed the light from the bracket you can now reattach it.



#### Connecting your Evo SMD Light to the Solar Panel

Simply connect the solar panel cable to the cable coming from the underside of the Evo SMD Solar Security Light.

#### Operating Instructions

Now your Evo SMD is fully installed turn your unit on by using the switch on the underside of the light. The Evo SMD is now on. It will charge during the day and activate automatically at night when it detects motion. At dawn the Evo SMD will enter standby mode and recharge throughout the day. If the Evo SMD is turned off it will still charge during the day, but it will not activate after dark.

The Evo SMD motion sensor has three settings that can be adjusted by turning the dials on the underside of the PIR sensor. Unlike mains powered security lights, solar security lights can only work for as long as there is charge in their batteries, so it is important to conserve this charge by setting your Evo SMD conservatively. Poorly adjusted settings will result in the Evo SMD activating unnecessarily and continually running out of charge. Please start by using the recommended settings below.

#### SENS

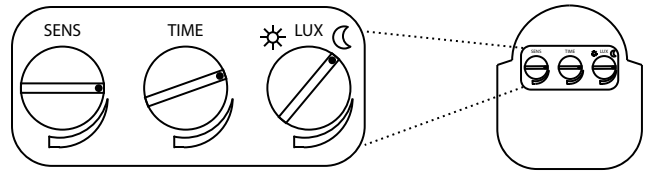
Use the 'SENS' dial to adjust the range sensitivity of the PIR detector on the Evo SMD. The range sensitivity decides how close motion has to be to the PIR sensor before the light will activate. If the 'SENS' is set too low the light may not activate at all, if the sensitivity is set too high the light may activate unnecessarily which will run the battery flat. Try to set the 'SENS' dial as low as possible while ensuring the Evo SMD performs as you require.

## TIME

Use the 'TIME' dial to adjust the amount of time the Evo SMD will light for each time it detects motion. The Evo SMD will light for between 15 seconds and 3 minutes depending on how you set this dial. Try to set the TIME dial as low as possible while ensuring the Evo SMD performs as you require.

## LUX

Use the 'LUX' dial to set how dark it is before the Evo SMD will start to activate. If the 'LUX' is set too high (dial moved towards the sun icon) the light may activate when it is still light. Try to set the LUX dial as low as possible while ensuring the Evo SMD performs as you require.



Recommended Settings

## Troubleshooting

Please ensure that there are no nearby light sources hitting the solar panel or PIR sensor after dark. These could be bright indoor or outdoor lights from your property or your neighbours, or streetlights. These can confuse the light and prevent it from operating. If you are unsure disconnect the solar panel from the light, remove the light from its bracket and take the light inside and test it in a dark room indoors (leave the solar panel outside).

If you are encountering problems with your Evo SMD it is more than likely something you can resolve yourself. An Evo SMD that has its solar panel in a poor location with its settings set too high will struggle to work at all, but that doesn't mean there is a fault with the unit. Please remember that your Evo SMD will come with some charge and will likely work for a few days even if the solar panel is poorly located. Please try the troubleshooting tips below before contacting your retailer.

## Recharge Procedure

1. Double check the location of your solar panel to ensure it is as South facing as possible and in a clear location.
2. Turn the Evo SMD **off** at the switch on the back of the light and leave it to recharge for 3-5 days.
3. After 3-5 days return to the Evo SMD and turn it back on at the switch.
4. If your light still does not illuminate after dark please contact your retailer.

## Water Ingress

The Evo SMD offers a high level of protection against water ingress, but this protection is not unlimited. The Evo SMD must be mounted on its bracket above ground level so that it is not resting on anything. If your light is resting on the ground or on a surface where water can accumulate it is likely that water will get into the light over time which will result in malfunction and will invalidate your warranty.

Once you have finished adjusting the angle of your motion sensor it is imperative that you fully tighten the fastening dial shown in Figure A. Failure to do this will allow water to seep into the motion sensor unit which will result in malfunction and will invalidate your warranty.

## Maintenance

Clean the surface of the solar panel and light lens with a soft, slightly moistened cloth. Do not use corrosive cleansing agents or chemical solutions as these may damage surfaces and impair operation. Keep the solar panel free of dirt, debris and snow.



Figure A

## Safety Instructions

The Solar Centre assumes no liability for any damage resulting from the use of this product, nor do we assume liability for any damage to property or personal injury caused by improper use or failure to observe these instructions.

**The Evo SMD is designed to charge from the sun using the supplied solar panel only! Never attempt to use any other type of solar panel or a mains charger to charge this device! Doing could be extremely hazardous and may result in a battery explosion or fire.**

Unauthorised conversion and/or modification of the unit will invalidate your guarantee. To avoid damage to sight, do not look directly at the light source. This device is not a toy and should be kept out of reach of children. Do not submerge the device in water or expose it to extreme temperatures (less than -25°C or higher than 50°C). Avoid exposing the unit to strong vibration or mechanical stress.

For customer support please contact:

The Solar Centre Ltd  
Unit 5, Dencora Centre  
Campfield Road  
St Albans  
AL1 5HN

T: 0845 094 1250  
W: solarcentre.co.uk  
E: info@solarcentre.co.uk

