SolarMate Secure Professional Plus
INSTRUCTION MANUAL

Model SMS003

GENERAL

Thank you for purchasing the SolarMate Secure professional Plus motion activated security floodlight. It was made to provide many years of service using environmentally friendly solar power.

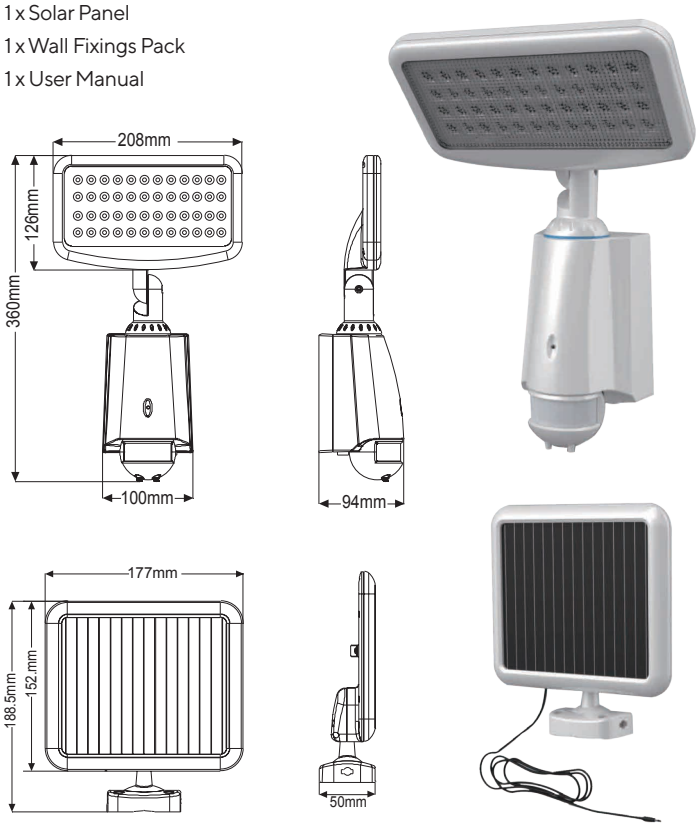
BOX CONTENTS

1 x SolarMate Secure Professional Plus 48 LED Light and Motion Detector

1 x Solar Panel

1 x Wall Fixings Pack

1 x User Manual



FEATURES

- Uses only solar power.
- Can be installed anywhere as long as the solar panel can see the sky.
- Uses 48 individual white high luminance LEDs.
- Both the solar panel and light head are adjustable. The solar panel can be adjusted horizontally through 360 degrees and tilted backwards through 90 degrees. The light head can be adjusted horizontally through 180 degrees and tilted forwards or backwards through 120 degrees.
- Low voltage indication: the red indicator light will flicker when accumulator voltage is below approx. 7V, which indicates the battery voltage is deficient. When the accumulator voltage is below 6.1V, the unit turned off automatically.
- Lithium battery controller possesses short-circuit / over-discharge / overcharge protection function.
- There are three modes: ON, OFF & AUTO.

SPECIFICATION

1. 10V/2.5W single crystal silicon solar panel.
2. 7.4V 1800mAh (lithium battery)
3. Max continuous illumination time: 4hrs
4. Installation height: 1 to 3m
5. Light adjustment time: 10sec to 3min
6. Detection distance: 12m max (<24 Deg C)
7. Coverage: 180° detection angle
8. Light sensitivity: 10 to 2000 LUX
9. Working Temperature: -10 to +40°C

INSTALLATION GUIDELINES

1. GENERAL

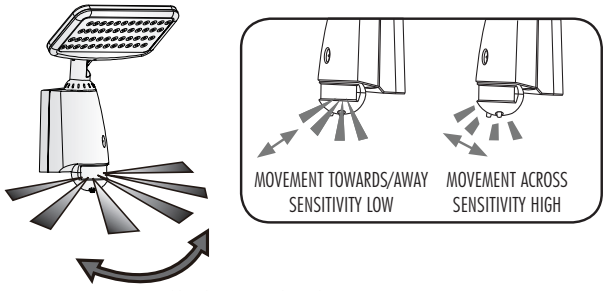
(a) You should install the **solar panel** where sunshine is not blocked during the majority of the day, for example away from tall buildings and trees.

(b) Ensure **light/PIR unit** is mounted on to a solid object, for example the side of a shed, the wall of a building. Bear in mind that the 5m wire integral to the solar panel needs to be plugged into the light unit.

(c) Ensure PIR is clear of moving or flapping objects as these may cause false triggering.

(d) Avoid installing it near areas of significant temperature change – e.g. air conditioning, central heating etc.

(e) The PIR is more sensitive to movement across as opposed to movement towards or away from it. So when installing it, you should select a position so that the expected movement will be going across the sensor.



2. INSTALLATION

(a) Attach mounting plate to wall using fixings supplied. (Fig.1)

(b) Slide light unit into mounting plate (Fig. 2) and secure using supplied screw in the bottom surface of the plate/light unit. (Fig. 3)

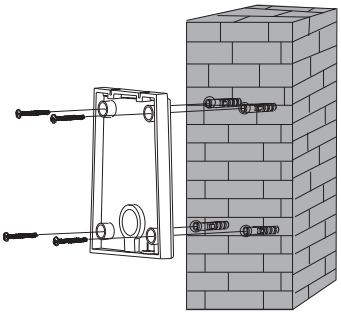


Fig.1

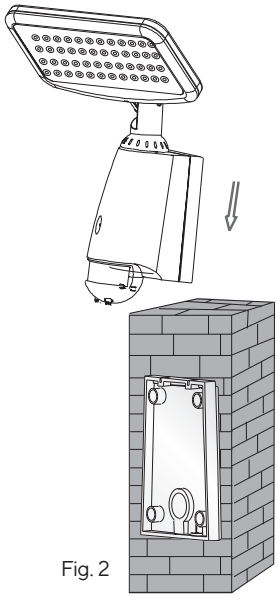


Fig. 2

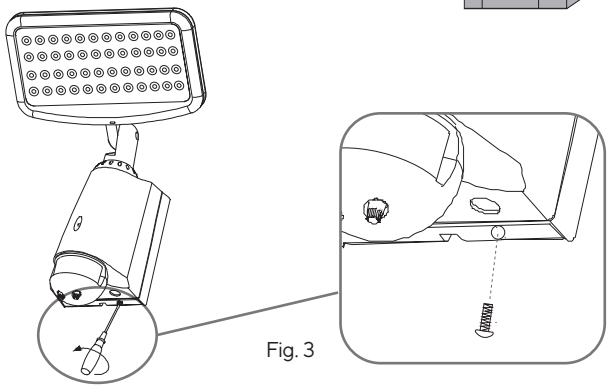


Fig. 3

2. INSTALLATION (continued)

(c) Mount the solar panel in place with fixings supplied and adjust direction (Fig. 4)

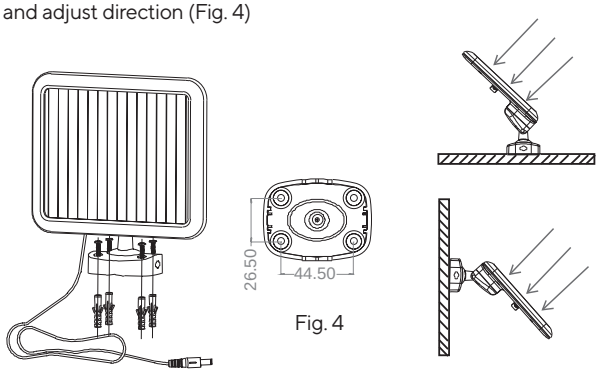


Fig. 4

(d) Adjust the PIR motion sensor direction - it has a 90° angle of adjustment horizontally and 15° vertically. Sensitivity and light delay time can be adjusted using the 2 dials on the bottom of the motion sensor (Fig. 5).

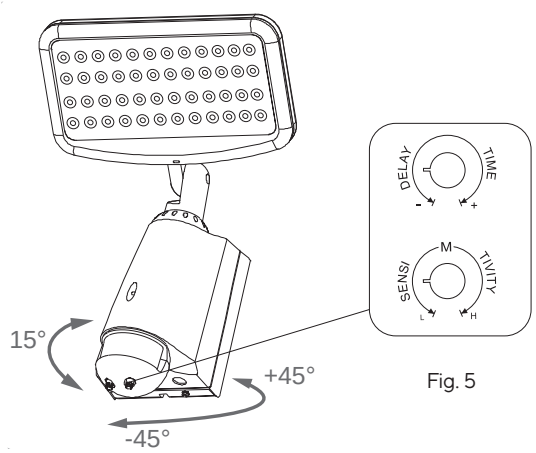


Fig. 5

PLEASE NOTE

Setting to maximum sensitivity could cause the light to be turned on in error by blown leaves, a moving curtain or small animals, etc. Experiment to find the bext setting.

(e) Adjust direction of light head, then insert the end of ther wire from the solar panel into the socket underneath the light unit (Fig. 6)

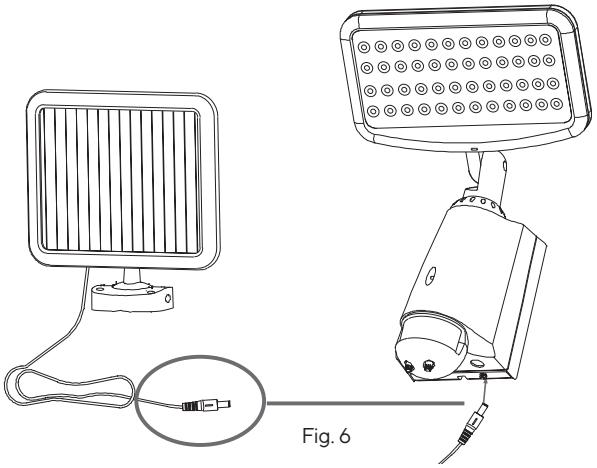


Fig. 6

BEFORE FIRST USE - IMPORTANT

(a) **THE BATTERY WAS DISCONNECTED** before leaving the factory. You therefore need to remove the battery cover on the back of the light unit and reconnect the male/female wiring sockets as shown in Fig. 7 below. (If the light is not going to be used for an extended period of time, please disconnect the battery.)

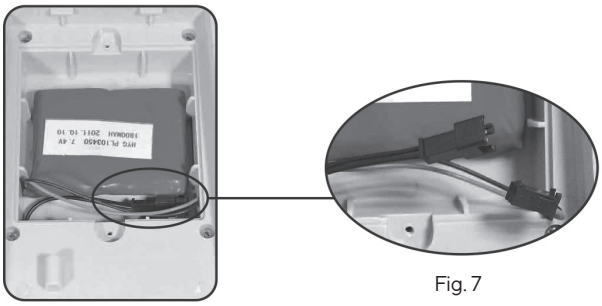


Fig. 7

(b) Before first use, leave the light in the OFF mode for 24hrs to allow the solar panel to fully charge the battery.

OPERATIONAL GUIDELINES

(a) If the switch is in the **ON** position, the light will be on permanently (whilst battery power allows). If no motion is detected after 8 minutes, the level of brightness will be reduced by about a third. If battery power is too low for the light to operate properly the unit will turn off and the LED bulb on the front of the unit will blink. (This also applies when the switch is in the AUTO position.)

(b) If the switch is in the **OFF** position, the light will be off permanently, but the solar panel will continue to charge the battery.

(c) If the switch is in the **AUTO** position, the unit will activate according to the settings selected on the SENSITIVITY & TIME DELAY dials.

- The SENSITIVITY dial determines the level of light required to activate the light.
- The TIME DELAY dial can adjust the time the light stays on after activating from 10 seconds to 3 minutes.

WALK TEST

Slide switch to AUTO mode. Move the TIME DELAY to to the minimum and SENSITIVITY dial to maximum. Move across the front of the PIR sensor. The signal will be detected and the light will come on. Once the light comes on, remain still. The light should go off after 4 – 6 seconds.

We want your photos and videos!

Here is your chance for you and your solar panel to be a star! Just send in pics or videos of you and your solar panel in a great location and if selected we will not only give you ever lasting recognition on our online favourite users wall of fame but we will send you a Freeloader Sixer, 6000mAH solar power bank worth £70 completely free!

Please send to **hello@solartechnology.co.uk** including your address details and b est of luck!

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ISSUE 2020.1

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