



G&P New Energy Solutions

Solar Powered Security Light

User Guide

[Revision 2.0 Dec 2017]

READ THIS MANUAL CAREFULLY BEFORE USE - FAILURE TO DO SO MAY RESULT IN INJURY, PROPERTY DAMAGE AND MAY VOID WARRANTY. • KEEP THIS MANUAL FOR FUTURE REFERENCE. • Products covered by this manual may vary in appearance, assembly, inclusions, specifications, description and packaging.

Safety

- Always wear ANSI approved safety goggles when working with tools and equipment.
- Do not install the light or solar panel where it will be exposed directly to rain or high humidity.
- Do NOT install near flammable substances or sources of heat, open flames etc.
- Keep away from children.
- Do NOT install on unsuitable or unstable surfaces.

- Ensure the solar panel receives adequate sunlight to power the light.
- When the light is on, do NOT look directly into it or shine it in other persons' faces.
- Do not attempt to charge the light with equipment other than the supplied solar panel.
- Do not remove any warning labels or stickers from the product.
- The product is not designed for crime prevention or as an alarm system device.

Parts Identification



Installation

The solar panel and light must be installed no further apart than the charging cable length (approximately 5m). Before installation, ensure all parts and fastener pack (6 screws and wall plugs) have been supplied.

- 1 Attach the solar panel mounting bracket to a suitable surface using the supplied screws. Different fasteners and tools may be required for different surfaces, such as brick, metal, hollow wall, etc.
- 2 Adjust the position of the solar panel so that it faces the sun for as long as possible each day.
- 3 Remove the clamp screws and disassemble the mounting bracket from the light in order to make marking the holes and fastening the bracket easier.
- 4 Attach the light mounting bracket to a suitable surface using the supplied screws. The light should be mounted 2 to 3m from the ground to ensure best motion detection operation, and in a place sheltered from rain and high humidity. Different fasteners and tools may be required for different surfaces, such as brick, metal, hollow wall, etc.
- 5 Reassemble the light to the bracket, then rotate the light so that it will illuminate the required area. Tighten the clamp screws so the light is held firmly.
- 6 Adjust the motion sensor so that it faces the area where motion is to be detected. The sensor can be moved up/down and left/right. For up/down movement, loosen the locking screw before adjusting position, then tighten so the sensor is held firmly.



7 Connect the solar panel and light using the connection cable. Insert the plug on the end of the cable to the socket on the underside of the light. Tidy the cable so it does not hang loose, be a hazard etc.



Operation

Note: Before use, place the light in "OFF" mode and allow the batteries to charge for a minimum 3 days, with the solar panel receiving plenty of direct sunlight. • Rechargeable batteries may last up to 3 years.

Operation of the light is selected using a toggle switch on the underside of the light body:

AUTO - The light switches on automatically when motion is detected, and will switch off automatically after a set period.

ON - The light will remain on until switched off (or the battery charge is depleted) - motion detection and auto-on/off is bypassed.

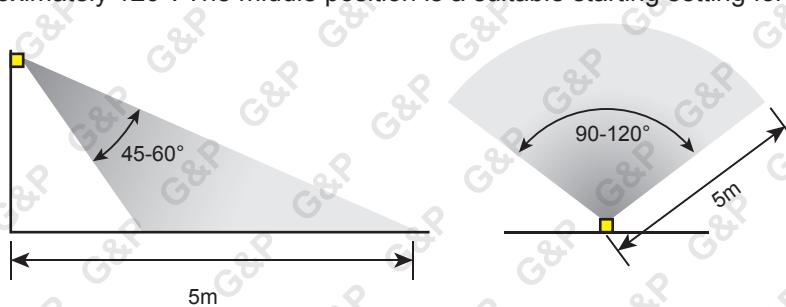
OFF - The light will remain off - motion detection and auto-on/off is bypassed.



Auto-Mode Set Up

On the underside of the motion sensor are controls for adjusting detection range, light sensitivity and on-time:

SENS - Sets the motion sensor detection range. This is how close to the sensor the motion must occur in order to trigger it. Rotate the control right (clockwise) to increase range. Maximum range is approx. 5m in an arc of approximately 120°. The middle position is a suitable starting setting for most general use.



TIME - Sets how long the light remains on after being triggered. Rotate the control right (clockwise) to increase the time. Range is approx. 8 seconds to 5 minutes.

LUX - Sets how dark it must be in order for the motion sensor to start operating. Rotate the control right (clockwise) to reduce the required darkness. Maximum will cause the sensor to operate at most times of day or night; minimum will cause the sensor to operate in dark/night conditions only. The minimum position is a suitable starting setting for most general use.

Maintenance

Regularly clean the solar panel and light (particularly the lamp glass and motion sensor) to ensure proper charging and equipment operation. Clean parts with a damp cloth only - do NOT apply excessive pressure to the solar cells or use detergents, solvents or abrasive cleaners.

Troubleshooting

Fault	Possible Solution
<i>Motion not detected. Light not switching on</i>	Ensure that the solar panel is receiving sufficient sunlight to properly charge the light. • Ensure that the mode switch on the light is set to "AUTO". • Clean the solar panel and motion sensor. • Have the batteries replaced.



Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see www.datastreamserver.com/safety

- Consult all documentation, packaging and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business or employee, or financially affect the user, business or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.



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