

[Manuals.plus](#) /

› [Energizer](#) /

› Energizer LED Security Light with PIR Motion Detector - Model S10930 Instruction Manual

Energizer S10930

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INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Energizer LED Security Light with PIR Motion Detector, Model S10930. Please read this manual thoroughly before installation and use to ensure proper function and safety.

The Energizer LED Security Light is designed to provide efficient and reliable outdoor illumination. It features a 20W LED floodlight delivering 1800 lumens of 6500K daylight, coupled with a Passive Infrared (PIR) motion sensor for automatic activation. Its robust construction is rated IP44 for outdoor use.

SAFETY INFORMATION

- **Electrical Safety:** Installation must be performed by a qualified electrician or competent person in accordance with local wiring regulations. Ensure the power supply is disconnected before installation or maintenance.
- **Voltage:** This product operates on 240 Volts AC.
- **Outdoor Use:** The light is rated IP44, making it suitable for outdoor use. However, ensure all connections are properly sealed and protected from direct water exposure.
- **Mounting:** Securely mount the fixture to a stable surface. Do not install near flammable materials.
- **Heat:** The LED light may become warm during operation. Do not touch the light surface immediately after use.
- **Disposal:** Dispose of this product responsibly according to local regulations for electronic waste.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1 x Energizer 20W PIR Floodlight (Model S10930)
- 1 x Mounting Bracket (with 20-degree angled edge)
- 1 x 50 cm Power Cable
- 1 x Adjustment Tool
- Installation Screws and Wall Plugs (may vary)

PRODUCT OVERVIEW

The Energizer LED Security Light consists of a high-efficiency LED floodlight and an integrated PIR motion sensor. The adjustable mounting bracket allows for flexible positioning.



Figure 1: Front view of the Energizer LED Security Light, showing the main LED panel and the integrated PIR motion sensor below.





Figure 2: Detailed front view of the floodlight, highlighting the LED array behind the prismatic diffuser and the spherical PIR sensor lens.



Figure 3: Side view of the security light, illustrating the adjustable mounting bracket and the angle of the PIR sensor housing.

SETUP AND INSTALLATION

1. **Choose Location:** Select a suitable outdoor location for mounting. Ensure the area is clear of obstructions and the PIR sensor has an unobstructed view of the detection zone. The light is designed for wall mounting.
2. **Disconnect Power:** Before starting any electrical work, ensure the main power supply to the installation area is switched off at the circuit breaker.
3. **Mounting Bracket:** The included mounting bracket features a 20-degree angled edge for optimal positioning. Use appropriate screws and wall plugs (not always included) to securely attach the bracket to the wall.

- 4. **Attach Light Fixture:** Secure the floodlight to the mounted bracket. Ensure it is firmly attached and can be adjusted to the desired angle.
- 5. **Electrical Connection:** Connect the 50 cm power cable to your 240V AC electrical supply. Ensure all connections are waterproof and comply with local electrical codes. Use a suitable junction box if necessary.
- 6. **Adjust Sensor:** Once installed, you can adjust the PIR sensor's angle to cover the desired detection area.
- 7. **Restore Power:** Once installation is complete and all connections are secure, restore power to the circuit.

OPERATING INSTRUCTIONS

The Energizer LED Security Light operates automatically based on its integrated PIR motion sensor and light level detection.

PIR Sensor Settings:

The PIR sensor typically has adjustable controls for:

- **Sensitivity (SENS):** Controls the detection range of the motion sensor. Adjust to prevent unwanted activations from small animals or distant movements.
- **Time (TIME):** Sets the duration the light remains on after motion is detected.
- **Lux (LUX):** Determines the ambient light level at which the sensor becomes active. For example, set to activate only when it's dark.

Use the provided adjustment tool to carefully turn the dials on the PIR sensor to your desired settings. Test the settings after adjustment to ensure optimal performance.

Note: Initial testing may require several adjustments to find the ideal settings for your specific environment.

MAINTENANCE

The Energizer LED Security Light is designed for long-term, low-maintenance operation.

- **Cleaning:** Periodically clean the LED panel and PIR sensor lens with a soft, damp cloth to ensure optimal light output and sensor performance. Do not use abrasive cleaners or solvents.
- **LED Lifespan:** The integrated LED has a long lifespan, estimated at 25 years based on 25,000 hours of use (approximately 2.7 hours per day). The LED is not user-replaceable.
- **Inspection:** Regularly inspect the power cable and housing for any signs of damage. If damage is found, disconnect power immediately and consult a qualified electrician.

TROUBLESHOOTING

If you experience issues with your Energizer LED Security Light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power supply. LUX setting too high (daylight). Sensor faulty.	Check power connection and circuit breaker. Adjust LUX setting to a lower level or test at night. Contact customer support.

Problem	Possible Cause	Solution
Light stays on continuously.	TIME setting too long. Constant motion in detection zone. Sensor faulty.	Adjust TIME setting to a shorter duration. Reposition sensor or clear obstructions. Contact customer support.
Light activates without apparent motion.	SENS setting too high. Heat sources (e.g., exhaust vents, animals) in detection zone. Wind moving objects.	Reduce SENS setting. Reposition sensor or remove heat sources. Adjust sensor angle.
Light flashes on and off.	Unstable power supply. Sensor interference.	Check electrical connections. Ensure no strong electromagnetic fields nearby.

SPECIFICATIONS

Brand	Energizer
Model Number	S10930
Power Consumption	20 Watts
Luminous Flux	1800 Lumens
Color Temperature	6500K (Daylight)
Ingress Protection (IP) Rating	IP44
Material	Die-cast Aluminum body, Polycarbonate diffuser
Color	Black
Dimensions (L x W x H)	39.37 x 39.37 x 39.37 cm (approx. 39.4 x 39.4 x 39.4 cm)
Weight	100 g
Voltage	240 Volts
Special Features	PIR Motion Detector
LED Lifespan	25 years (based on 25,000 hours)
Installation Type	Wall-mounted (Monopoint)

WARRANTY AND SUPPORT

This Energizer product is designed for durability and performance. Spare parts availability is guaranteed for 1 year. For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact your retailer or the

Energizer customer support line. Please have your model number (S10930) and purchase information ready.

ASK A QUESTION ABOUT THIS MANUAL

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