Steinel 066130

Steinel NightmatIQ Twilight Sensor User Manual

Model: 066130

1. PRODUCT OVERVIEW

The Steinel NightmatIQ Twilight Sensor is an intelligent light sensor designed for automatic control of outdoor lighting. It detects ambient light levels and switches connected luminaires on at dusk and off at dawn, providing convenience and energy efficiency for your home, garden, driveway, or commercial premises.

Image 1.1: The Steinel NightmatIQ Twilight Sensor in anthracite, showcasing its sleek design.

Night: Light on   Day: Light off

Image 1.2: Visual representation of the sensor's function: light on at night, light off during the day.

2. SAFETY INSTRUCTIONS

Please read these instructions carefully before installing or operating the device. Failure to follow these instructions may result in property damage or personal injury.

- Installation must be carried out by a qualified electrician in accordance with national wiring regulations and installation conditions.
- Disconnect the power supply before performing any work on the device.
- Do not open the device. There are no user-serviceable parts inside.
- Ensure the device is protected from direct water jets. The IP54 rating indicates protection against splashing water, not submersion.
- Do not modify the product in any way.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Steinel NightmatIQ Twilight Sensor unit
- Mounting material (2x screws, 2x dowels, 2x sealing plugs)
- Instruction Manual (this document)

4. SETUP AND INSTALLATION

The NightmatIQ Twilight Sensor is designed for wall mounting outdoors. Ensure the mounting surface is stable and suitable for the device's weight.

4.1 Mounting Location

Choose a location where the sensor can accurately detect ambient light without being obstructed by eaves, trees, or other structures. Avoid direct exposure to artificial light sources (e.g., streetlights) that could interfere with its operation.

Image 4.1: The sensor discreetly mounted on an exterior wall, blending with the architecture.

4.2 Wiring

The cable connection can be flush-mounted or surface-mounted. Ensure all wiring is done with the power supply disconnected. Connect the sensor to your existing outdoor lighting circuit. The sensor supports loads up to 1000 W (max. 250 W for LED luminaires).

Refer to the internal wiring diagram on the device or within the packaging for specific connection points. Ensure proper grounding.
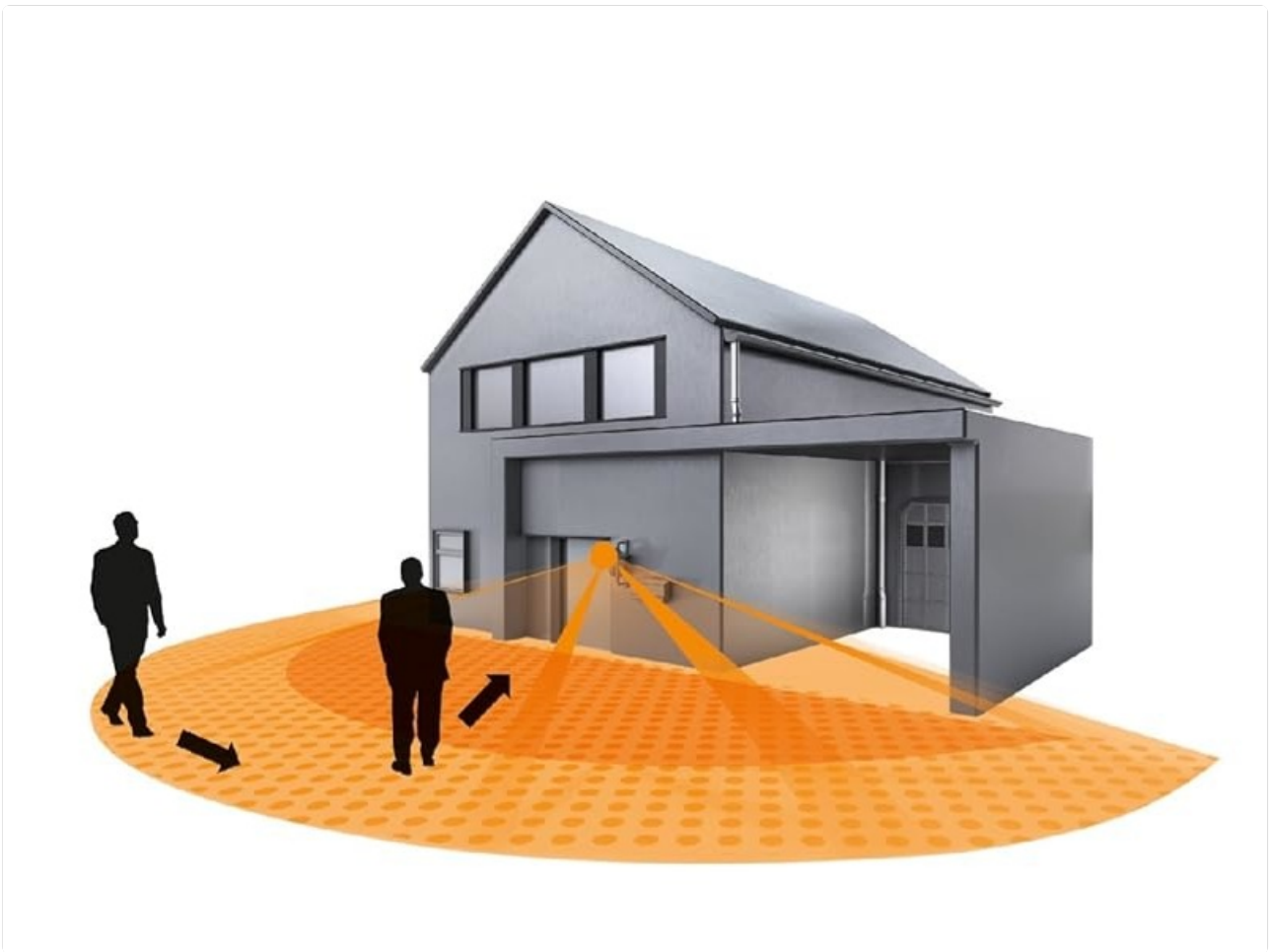
Image 4.2: Example wiring diagram for connecting the twilight sensor to the power supply and lighting circuit. Consult a qualified electrician for installation.

4.3 Dimensions

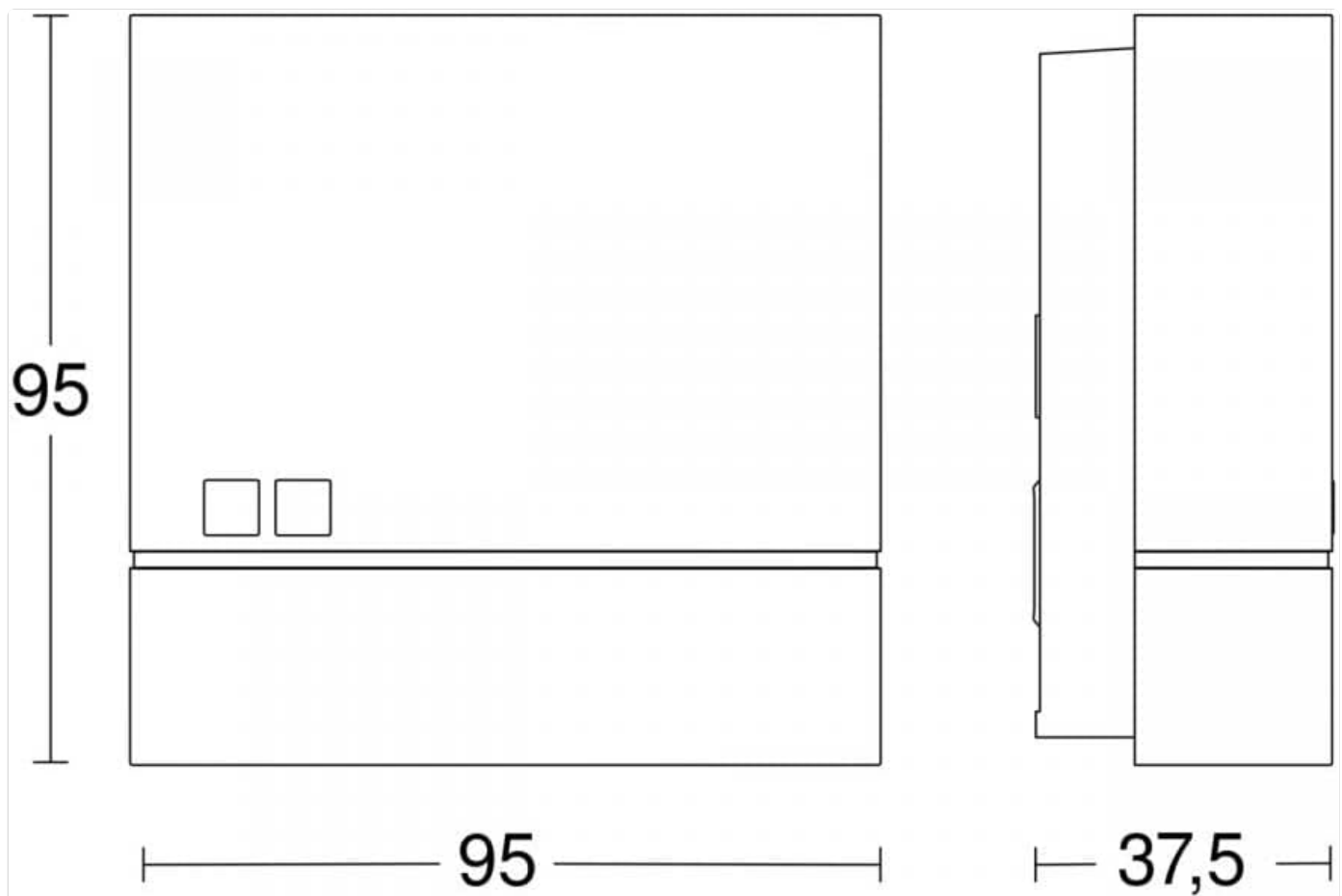The compact design of the NightmatIQ sensor allows for discreet installation.

Image 4.3: Dimensions of the sensor: 95mm (width) x 95mm (height) x 37.5mm (depth).

5. OPERATING INSTRUCTIONS

The NightmatIQ Twilight Sensor operates automatically once installed and configured. The primary setting is the twilight value, which determines the ambient light level at which the connected lights will switch on or off.

5.1 Setting the Twilight Value (Lux)

The twilight value can be individually selected between 1 and 75 lux (lx) of ambient brightness. A lower lux value means the lights will switch on when it's darker, while a higher lux value means they will switch on when it's still relatively bright.

1. Locate the adjustment dial or setting mechanism on the sensor (refer to the product diagram for exact location).
2. Rotate the dial to select your desired lux level. Start with a mid-range setting and adjust as needed based on your preference and local light conditions.
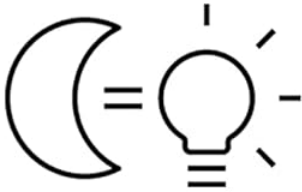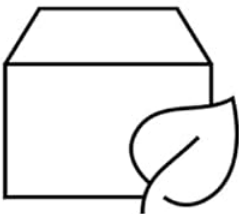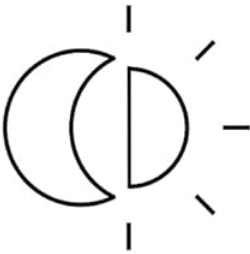3. Test the setting by observing the sensor's behavior at dusk and dawn.

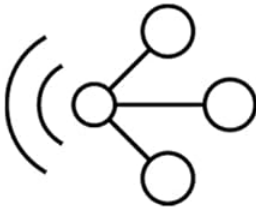|		
1000 W max. 1000 W (max. 250 W LED)	twilight switch	IP54
plastic free packaging	1 – 75 lux	connectable via cable

Image 5.1: Key features of the NightmatIQ sensor, including the adjustable twilight range of 1-75 lux.

6. MAINTENANCE

The Steinel NightmatIQ Twilight Sensor requires minimal maintenance.

- **Cleaning:** Periodically clean the sensor lens with a soft, damp cloth to ensure accurate light detection. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly check the device for any signs of damage or loose connections.

7. TROUBLESHOOTING

If you experience issues with your NightmatIQ Twilight Sensor, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Lights do not switch on at dusk.	Incorrect lux setting (too high). Power supply issue. Sensor obstructed or dirty. Faulty wiring.	Adjust lux setting to a lower value. Check circuit breaker and power connections. Clean the sensor lens and ensure no obstructions. Verify wiring connections (consult electrician if unsure).
Lights do not switch off at dawn.	Incorrect lux setting (too low). Sensor exposed to artificial light.	Adjust lux setting to a higher value. Relocate sensor or shield it from artificial light sources.
Device not functioning at all.	No power. Incorrect installation. Product defect.	Check power supply and circuit breaker. Review installation steps and wiring. Contact customer support if issues persist.

8. SPECIFICATIONS

Feature	Detail
Model Number	066130
Dimensions (L x W x H)	3.8 x 9.5 x 9.5 cm (1.5 x 3.7 x 3.7 inches)
Weight	128 grams (0.28 lbs)
Material	Plastic
Voltage	220 - 240 V, 50 - 60 Hz
Max. Switching Capacity	1000 W (resistive load), max. 250 W (LED)
Twilight Setting Range	1 - 75 lux
Protection Class	IP54 (splash-proof)
Mounting Type	Wall-mounted
Specific Uses	Balcony, Home, Garage, Garden, Shop

9. WARRANTY

This product comes with a **3-year manufacturer's warranty**. Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by

improper installation, misuse, accidents, or unauthorized modifications.

10. CUSTOMER SUPPORT

For further assistance, technical support, or warranty inquiries, please contact Steinel customer service or visit their official website.
You can also visit the official Steinel store on Amazon for more product information and support:

Visit the Steinel Store on Amazon