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Sygonix SY-5836544 Twilight Switch User Manual

Model: SY-5836544

Brand: Sygonix

1. PRODUCT OVERVIEW

The Sygonix SY-5836544 Twilight Switch is an intelligent device designed for automatic control of lighting systems based on ambient light conditions. It ensures that your lights turn on at dusk and off at dawn, providing convenience and energy efficiency. Its robust design, including an IP66 rating, makes it suitable for both indoor and outdoor installations.



Figure 1: Front view of the Sygonix SY-5836544 Twilight Switch. This image shows the white translucent dome on top and the black base with two cable glands and a mounting bracket, indicating its readiness for installation.

Key Features:

- Automatic control of lighting installations based on ambient brightness (e.g., twilight).
- Capable of switching up to 2000 W of power.
- Compatible with incandescent bulbs, energy-saving bulbs, and LED lamps.
- International Protection Rating IP66, ensuring dust-tightness and protection against powerful water jets.
- Adapts to various lighting types to suit user preferences.

2. SETUP

Before beginning installation, ensure that the main power supply to the circuit is disconnected to prevent electric shock. Installation should be performed by a qualified electrician if you are unsure about any steps.

2.1 Mounting

The twilight switch is designed for wall mounting. Select a location that receives adequate ambient light and is not obstructed by shadows, especially during twilight hours. The IP66 rating allows for both indoor and outdoor installation.

1. Mark the drilling points on the desired mounting surface using the switch's mounting bracket as a template.
2. Drill holes suitable for your mounting screws (not included).
3. Securely attach the twilight switch to the surface using appropriate screws and wall plugs.



Figure 2: Side view of the Sygonix SY-5836544 Twilight Switch, illustrating the robust black mounting bracket extending from the base, designed for secure wall attachment. This view also shows one of the cable glands.

2.2 Wiring

The twilight switch operates on 230 V/AC and features Normally Open (NO) screw terminals for connection. Ensure all connections are tight and secure.

1. Carefully open the housing of the twilight switch to access the wiring terminals.
2. Feed the power supply cables and the load cables (to your lighting fixture) through the designated cable glands.
3. Connect the live (L), neutral (N), and earth (PE) wires according to the wiring diagram provided inside the device

or in the full product manual. The switch acts as a single-pole switch for the live wire.

4. Ensure all connections are made to the correct screw terminals.
5. Tighten the cable glands to ensure a watertight and dust-tight seal, maintaining the IP66 rating.
6. Close the housing securely.



Figure 3: Front view of the Sygonix SY-5836544 Twilight Switch, clearly showing the two black cable glands at the bottom. These glands are crucial for securing and sealing the electrical cables, contributing to the device's IP66 protection rating.

3. OPERATING

The Sygonix SY-5836544 Twilight Switch operates automatically based on the ambient light level. There are no manual controls for daily operation once installed and configured.

- When the ambient light level falls below a pre-set threshold (typically at dusk), the switch will automatically turn on the connected lighting.
- When the ambient light level rises above a pre-set threshold (typically at dawn), the switch will automatically turn off the connected lighting.
- The switch is designed to work with various lighting types, including traditional incandescent bulbs, energy-saving

fluorescent lamps, and modern LED light elements, up to a maximum load of 2000 W.

4. MAINTENANCE

The Sygonix SY-5836544 Twilight Switch requires minimal maintenance due to its durable construction and IP66 rating.

- **Cleaning:** Periodically clean the translucent dome with a soft, damp cloth to ensure the light sensor is not obstructed by dirt or debris. Do not use abrasive cleaners or solvents. Always disconnect power before cleaning.
- **Inspection:** Occasionally inspect the cable glands and mounting for any signs of wear, damage, or loosening. Ensure the housing remains securely closed to maintain its weather resistance.
- No user-serviceable parts are inside the unit. Do not attempt to open or repair the device yourself.

5. TROUBLESHOOTING

If you experience issues with your Sygonix SY-5836544 Twilight Switch, consider the following common troubleshooting steps:

- **Lights not turning on/off:**
 - Check the main power supply to the circuit. Ensure the circuit breaker is on.
 - Verify all wiring connections are secure and correct.
 - Ensure the light sensor (translucent dome) is clean and not obstructed by dirt, leaves, or other objects.
 - Confirm that the ambient light conditions are appropriate for activation (e.g., it is dark enough for the lights to turn on).
- **Lights flickering or inconsistent operation:**
 - Check for loose wiring connections.
 - Ensure the connected load (lighting fixture) does not exceed the maximum 2000 W capacity of the switch.
 - Verify that there are no intermittent light sources (e.g., car headlights, streetlights) that might be briefly activating/deactivating the sensor.
- If the problem persists after performing these checks, contact customer support or a qualified electrician.

6. TECHNICAL SPECIFICATIONS

Property	Value
Product Dimensions (L x W x H)	7.8 x 7.8 x 9.3 cm
First Available on Amazon.fr	March 19, 2024
Manufacturer	Sygonix
ASIN	B0CYLQDLGF
Item Model Number	SY-5836544
Country of Origin	China

Property	Value
Intended Use	General Use
Spare Parts Availability	Information Unavailable
Operating Mode	Automatic
Current Rating	1 A
Operating Voltage	230 Volts
Contact Type	Normally Open (NO)
Brand	sygonix
Terminal Type	Screw
Circuit Type	1-Way
Actuator Type	Light Sensor
International Protection Rating	IP66

7. WARRANTY AND SUPPORT

Sygonix products are manufactured to high-quality standards. For information regarding warranty terms and conditions, please refer to the documentation provided with your purchase or contact your retailer.

For technical support, troubleshooting assistance beyond this manual, or inquiries about spare parts, please contact Sygonix customer service or the authorized seller from whom you purchased the product. Please have your model number (SY-5836544) and purchase details ready when contacting support.

You can often find additional support resources, FAQs, and contact information on the official Sygonix website or the retailer's support page.