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Maclean MCE21W

Maclean MCE21W E27 Lamp Socket Adapter with Twilight Sensor Instruction Manual

INTRODUCTION

Thank you for choosing the Maclean MCE21W E27 Lamp Socket Adapter with Twilight Sensor. This device is designed to provide convenient and energy-efficient automatic lighting control. Please read this manual carefully before installation and operation to ensure proper use and to maximize the product's lifespan.

IMPORTANT SAFETY INFORMATION

- Always disconnect power to the lamp fixture before installing or removing the adapter.
- Ensure the lamp socket and bulb are compatible with E27 standards.
- Do not exceed the maximum wattage ratings: 100W for traditional incandescent bulbs and 60W for energy-saving bulbs.
- This product is rated IP20, meaning it is protected against solid objects larger than 12.5mm but has no protection against water. Use only in dry, indoor environments.
- If you are unsure about electrical installations, consult a qualified electrician.

PRODUCT OVERVIEW

The Maclean MCE21W is an E27 lamp socket adapter featuring an integrated twilight sensor and an adjustable timer. It automatically controls lighting based on ambient light levels, offering both convenience and energy savings.



Image: Maclean MCE21W E27 Lamp Socket Adapter, showing the E27 screw base, the E27 bulb socket, and the control dial for timer settings.

Key Features:

- **Automatic Light Control:** An integrated twilight sensor automatically turns the light on in darkness and off when there is sufficient daylight.
- **Adjustable Timer:** The built-in timer allows individual adjustment of lighting duration to 1, 2, 4, 8, or 12 hours.
- **Versatile Compatibility:** Suitable for traditional incandescent bulbs up to 100W and energy-saving bulbs up to 60W with an E27 base.
- **Easy Installation:** No additional tools or wiring are required. Simply screw the adapter into an existing E27 socket.
- **Wide Range of Use:** Ideal for hallways, basements, storage rooms, or pantries, providing comfort and security.
- **Robust Construction:** Operates within a temperature range of -20 to +40 °C and humidity below 93% RH, with IP20 protection against solid foreign objects.

SETUP AND INSTALLATION

The Maclean MCE21W adapter is designed for straightforward installation. Follow these steps:

1. **Ensure Power is Off:** Before starting, turn off the power supply to the lamp fixture at the main circuit breaker to prevent electrical shock.
2. **Screw in the Adapter:** Carefully screw the Maclean MCE21W adapter into your existing E27 lamp socket. Ensure it is securely tightened.

3. **Install the Light Bulb:** Screw an E27 light bulb (incandescent up to 100W or energy-saving up to 60W) into the adapter's E27 socket.
4. **Restore Power:** Turn the power supply back on at the main circuit breaker.



Image: Installation diagram illustrating how to screw the adapter into an existing E27 socket and then install a bulb into the adapter.

OPERATING INSTRUCTIONS

The Maclean MCE21W adapter offers both automatic light control via its twilight sensor and an adjustable timer function.

Automatic Light Control (Twilight Sensor)

The integrated twilight sensor detects ambient light levels. When the surrounding area becomes dark, the light will automatically turn on. When sufficient daylight is detected, the light will automatically turn off. This function operates without manual intervention, ensuring energy efficiency.

Adjusting the Timer

The adapter features a rotary dial to set the desired lighting duration after activation by the twilight sensor. The available settings are:

- **AUTO:** The light turns on at dusk and stays on until dawn.
- **1h:** The light stays on for 1 hour after activation.
- **2h:** The light stays on for 2 hours after activation.
- **4h:** The light stays on for 4 hours after activation.
- **8h:** The light stays on for 8 hours after activation.
- **12h:** The light stays on for 12 hours after activation.

To adjust the timer, gently rotate the dial on the side of the adapter to your preferred setting.



Image: Close-up of the Maclean MCE21W adapter's control dial, showing the 'AUTO', '1h', '2h', '4h', '8h', and '12h' timer settings.

MAINTENANCE

The Maclean MCE21W adapter requires minimal maintenance. To ensure optimal performance and longevity:

- **Cleaning:** Periodically wipe the adapter with a soft, dry cloth to remove dust. Do not use liquid cleaners or abrasive materials.
- **Inspection:** Regularly check for any signs of damage or wear. If any damage is observed, discontinue use and replace the adapter.
- **Environment:** Ensure the adapter is used within its specified operating temperature and humidity ranges and in dry conditions, as it is not waterproof.

TROUBLESHOOTING

If you encounter issues with your Maclean MCE21W adapter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on at dusk.	<ol style="list-style-type: none">1. Insufficient darkness detected.2. Bulb is faulty.3. Power supply issue.	<ol style="list-style-type: none">1. Ensure the sensor is not obstructed and ambient light is low enough.2. Test the bulb in another fixture or replace it.3. Check the power to the lamp fixture.
Light does not turn off at dawn.	<ol style="list-style-type: none">1. Insufficient daylight detected.2. Sensor is obstructed.	<ol style="list-style-type: none">1. Ensure the sensor is exposed to adequate daylight.2. Clear any obstructions from the sensor.
Timer setting is not working correctly.	Dial not set correctly.	Ensure the dial is firmly set to the desired timer duration (1h, 2h, 4h, 8h, 12h) or AUTO.

Problem	Possible Cause	Solution
Light flickers or behaves erratically.	Loose connection or faulty bulb/adaptor.	<ol style="list-style-type: none"> 1. Ensure the adaptor and bulb are securely screwed in. 2. Test with a different bulb. 3. If issues persist, the adaptor may be faulty and require replacement.

TECHNICAL SPECIFICATIONS

Specification	Detail
Brand	Maclean
Model Number	MCE21W
Color	White
Product Dimensions (L x W x H)	6 x 6 x 13 cm
Item Weight	40 grams
Power (Max)	100W (incandescent), 60W (energy-saving)
Voltage	240 Volts
Material	Plastic
Features	Timer, Twilight Sensor
IP Rating	IP20
Operating Temperature	-20 to +40 °C
Operating Humidity	< 93% RH

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your purchase or contact Maclean customer service directly. Keep your proof of purchase for any warranty claims.