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Globe Electric HZ-4150-PB

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Model: HZ-4150-PB

1. INTRODUCTION

The Globe Electric Heath Zenith HZ-4150-PB is a motion-activated four-sided Charleston coach light designed for outdoor use. This fixture features a polished brass finish with clear glass, providing both aesthetic appeal and functional illumination. It is equipped with a motion sensor to detect movement, offering convenient and energy-efficient lighting for your porch or patio. This manual provides detailed instructions for the safe installation, operation, and maintenance of your new coach light.



Figure 1: Heath Zenith HZ-4150-PB Motion-Activated Charleston Coach Light. This image displays the polished brass fixture with clear glass panels and a visible light bulb socket.

2. SAFETY INFORMATION

Please read and understand all instructions before beginning installation. Failure to do so may result in electric shock, fire, or other injuries that could be hazardous or even fatal. All wiring connections must be in accordance with local codes, ordinances, or the National Electric Code (NEC).

- **WARNING:** To avoid electric shock, disconnect power at the circuit breaker or fuse box before installation.
- This fixture is designed for outdoor use and is weather-resistant.
- Use only one (100 watt maximum) medium base incandescent bulb (E26) or equivalent compact fluorescent bulb.
- Do not exceed the recommended wattage.
- Ensure all connections are secure and properly insulated.
- If you are unsure about electrical installations, consult a qualified electrician.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Lamp Housing
- Motion Detector
- Optional Tail Assembly
- Mounting Hardware (typically includes mounting plate, screws, wire nuts)

4. SPECIFICATIONS

Brand	Globe Electric
Model Number	HZ-4150-PB
Product Dimensions	7"L x 7"W x 7"H (approximate, as per product data)
Material	Brass, Metal, Glass
Finish	Polished Brass
Power Source	Corded Electric
Voltage	110 Volts
Max Wattage	100 Watts
Bulb Base	E26 (Medium Base)
Light Source Type	Incandescent, Compact Fluorescent
Motion Sensor Detection	150-degree radius, up to 30 feet
Installation Type	Hardware Mount
Usage	Outdoor
Water Resistance Level	Water Resistant

5. INSTALLATION

This fixture requires assembly and hardware mounting. Follow these general steps for installation. Always ensure power is disconnected at the circuit breaker before starting any electrical work.

- 1. Prepare for Installation:** Turn off power at the main circuit breaker or fuse box.
- 2. Mounting Plate Installation:** Secure the mounting plate to your outdoor electrical box. Ensure it is firmly attached.
- 3. Wiring Connections:** Connect the fixture's wires to your household wiring according to local electrical codes. Typically, this involves connecting:
 - Black (Live) wire from fixture to Black (Live) wire from electrical box.
 - White (Neutral) wire from fixture to White (Neutral) wire from electrical box.
 - Green or bare copper (Ground) wire from fixture to Green or bare copper (Ground) wire from electrical box.Use appropriate wire nuts to secure connections.
- 4. Fixture Mounting:** Carefully align the fixture with the mounting plate and secure it using the provided screws.
- 5. Bulb Installation:** Install one (100 watt maximum) medium base (E26) incandescent bulb or an equivalent

compact fluorescent bulb (not included) into the socket.

6. **Optional Tail Assembly:** If desired, attach the optional tail assembly to the bottom of the fixture.
7. **Restore Power:** Once installation is complete and all connections are secure, restore power at the circuit breaker.

Note: If you are replacing an existing fixture, the mounting plate may be similar, simplifying the process.

6. OPERATION

The Heath Zenith HZ-4150-PB features a motion sensor for automated lighting. The light will activate only at night when motion is detected within its range.

Motion Sensor Settings:

- **Detection Range:** The sensor detects motion in a 150-degree radius, with a range of up to 30 feet.
- **Sensitivity Adjustment:** The motion sensor's sensitivity can be adjusted. This allows you to fine-tune how easily the light is triggered, preventing activation by minor movements or distant objects. Refer to the sensor unit for specific adjustment controls, typically a dial or switch.
- **Light Timer:** You can set the duration for which the light remains on after motion is detected. Available settings typically include one, five, or ten minutes. Adjust this setting on the sensor unit to suit your preference.

Optimal performance is achieved by adjusting the sensitivity to avoid false triggers while ensuring reliable detection in your desired area.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your coach light.

- **Cleaning:** To clean the fixture, ensure power is off. Use a soft, damp cloth. Avoid abrasive cleaners, solvents, or polishes that could damage the polished brass finish or clear glass.
- **Bulb Replacement:** Before replacing the bulb, turn off power at the circuit breaker. Allow the bulb to cool completely. Unscrew the old bulb and replace it with a new E26 medium base incandescent bulb (max 100W) or an equivalent compact fluorescent bulb.
- **Weather Resistance:** The fixture features a weather-resistant finish. Periodically inspect the fixture for any signs of wear or damage, especially to seals and wiring, to maintain its weather resistance.

8. TROUBLESHOOTING

If your coach light is not functioning as expected, refer to the following common issues and solutions:

- **Light does not turn on:**
 - Ensure power is supplied to the fixture at the circuit breaker.
 - Check if the bulb is properly installed and not burnt out. Replace if necessary.
 - Verify that the motion sensor's sensitivity is set appropriately and not too low.
 - Confirm it is dark enough for the sensor to activate (the light only operates at night).
 - Inspect wiring connections for any loose or incorrect connections.
- **Light stays on continuously:**
 - Check the motion sensor's sensitivity setting; it might be too high, causing it to detect constant movement or environmental factors.
 - Verify the timer setting; ensure it is not set to a continuous or very long duration if such an option

exists.

- Ensure there are no constant heat sources or reflective surfaces within the sensor's detection zone that could be triggering it.

- **Light turns on and off erratically:**

- Adjust the motion sensor's sensitivity. Environmental factors like moving branches, passing cars, or small animals might be causing false triggers.
- Ensure the sensor lens is clean and free from obstructions.
- Check for intermittent power supply issues.

If these steps do not resolve the issue, contact customer support or a qualified electrician.

9. WARRANTY AND SUPPORT

This Globe Electric Heath Zenith HZ-4150-PB coach light comes with a **2-year limited warranty**. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical assistance, or further support, please contact Globe Electric customer service. Refer to the product packaging or the official Globe Electric website for current contact information.

Manufacturer: Globe Electric

Model: HZ-4150-PB