

HYPERLITE HU-XI-201

HYPERLITE Microwave Motion Sensor Instruction Manual

Model: HU-XI-201

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the HYPERLITE Microwave Motion Sensor, specifically designed for use with HYPERLITE Radar Series LED High Bay Lights. This sensor enhances energy efficiency by automatically controlling lighting based on detected motion.

SAFETY INFORMATION

- Read all instructions carefully before installation and use.
- Ensure power is disconnected before any installation or maintenance.
- This device is designed for indoor use with compatible HYPERLITE Radar Series LED High Bay Lights only.
- Do not attempt to modify or repair the sensor. Contact qualified personnel for assistance.
- Keep out of reach of children.

PRODUCT OVERVIEW

The HYPERLITE Microwave Motion Sensor (Model HU-XI-201) is a compact, detachable unit that integrates seamlessly with HYPERLITE Radar Series LED High Bay Lights. It utilizes microwave technology to detect motion, providing automatic light control.

Components

- Microwave Motion Sensor Unit
- Remote Control (included)

Features

- **Compatibility:** Exclusively for HYPERLITE Radar Series LED High Bay Lights.
- **Automatic On/Off:** Lights turn on when motion is detected and off after 30 seconds of no movement (factory setting).
- **Easy Installation:** Detachable design for quick and convenient setup.
- **Wide Operating Temperature:** -40°C to +70°C.

- **Operating Voltage:** 10.5-15V DC.
- **Max. Mounting Height:** 15m (ceiling mounted).

SETUP AND INSTALLATION

The motion sensor is designed for quick and easy installation. Follow these steps to attach it to your HYPERLITE Radar Series LED High Bay Light.

Installation Steps

1. **Prepare the Light Fixture:** Ensure the HYPERLITE Radar Series LED High Bay Light is powered off and safely positioned for installation.
2. **Unscrew the Base Cover:** Locate the central cover on the base of the high bay light. Unscrew this cover to reveal the sensor port.

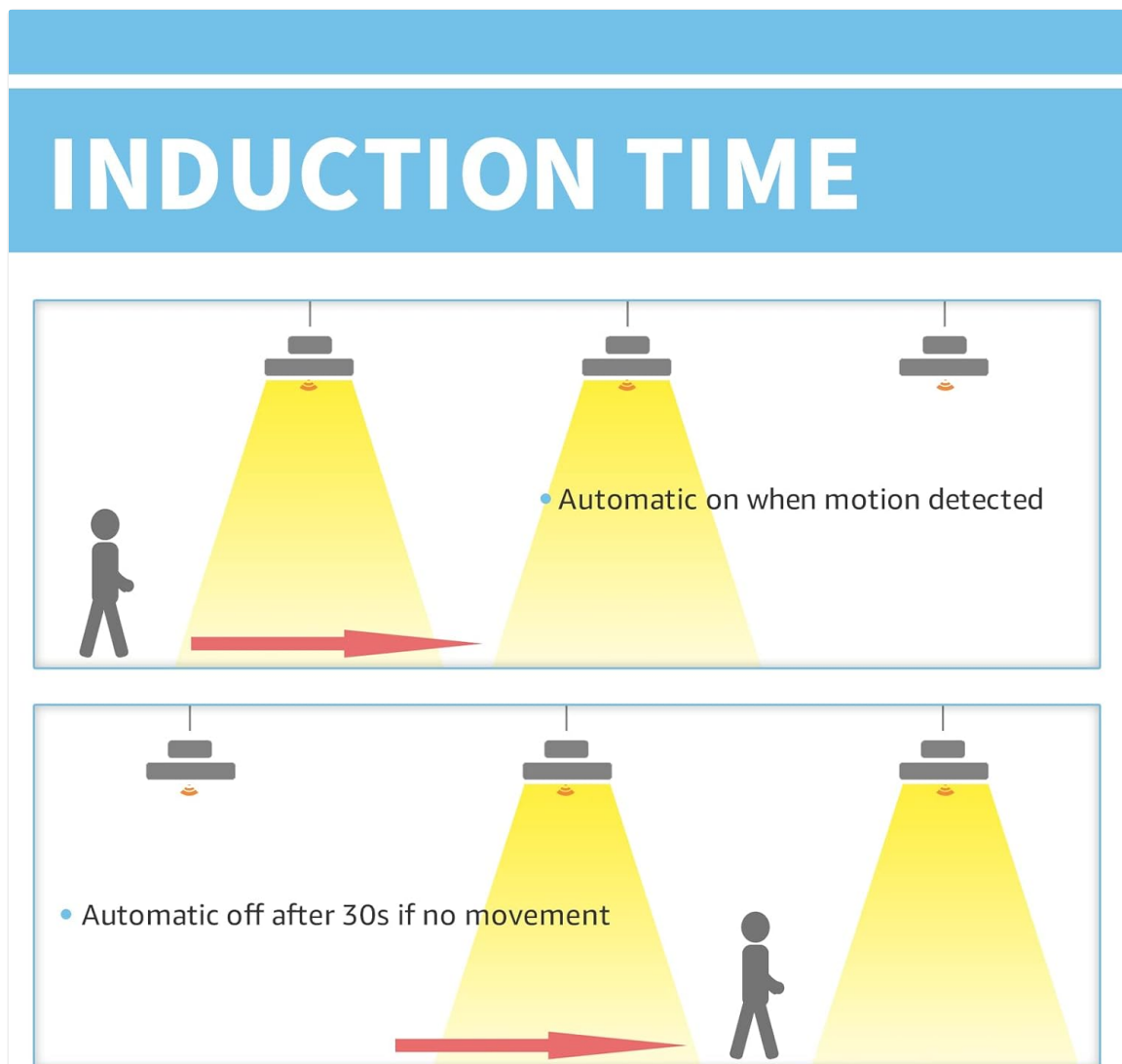


Figure 1: Unscrewing the cover from the base of the high bay light.

3. **Insert the Motion Sensor:** Carefully align the HYPERLITE Microwave Motion Sensor with the exposed port.



Figure 2: The HYPERLITE Microwave Motion Sensor unit.

4. **Screw on the Motion Sensor:** Gently screw the motion sensor into the port until it is securely fastened.

QUICK & EASY TO USE

Detachable for quick and convenient installation



Unscrew the cover of the base



Screw on the motion sensor



Complete

(Applicable to RADAR Series only)

Figure 3: Screwing the motion sensor onto the high bay light.

5. **Verify Compatibility:** Ensure your light is a Radar Series model. The sensor is not compatible with other series.



Figure 4: Compatibility check for Radar Series lights.

Video Guide

For a visual guide on installing the motion sensor, please watch the video below:

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Video: Demonstrates the simple installation process of the HYPERLITE motion sensor onto a high bay light. It shows unscrewing the base cover, inserting the sensor, and screwing it in place.

OPERATING INSTRUCTIONS

Once installed, the HYPERLITE Microwave Motion Sensor operates automatically.

Motion Detection

- The sensor detects movement of people, cars, or other objects within its detection range.
- Upon detection, the connected HYPERLITE Radar Series LED High Bay Light will automatically turn on.

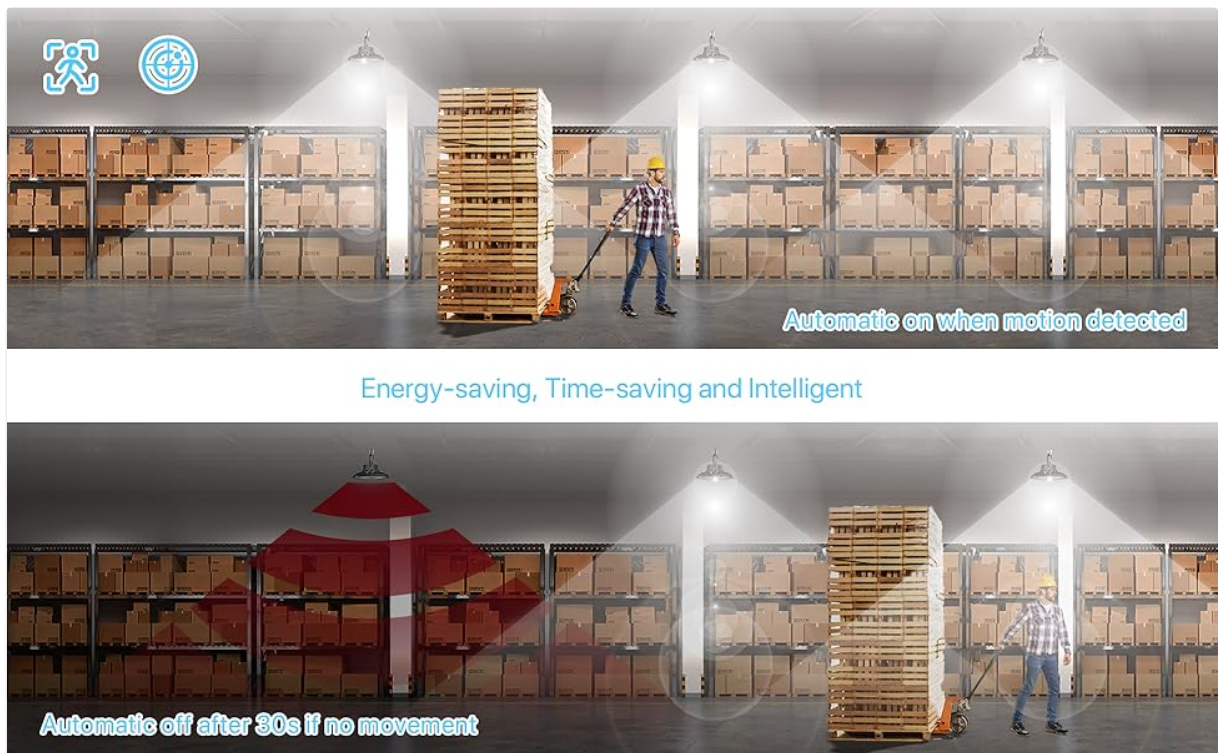


Figure 5: Automatic light activation upon motion detection.

Automatic Shut-off

- If no movement is detected for a period of approximately 30 seconds (factory default setting), the light will automatically turn off. This feature helps conserve energy.

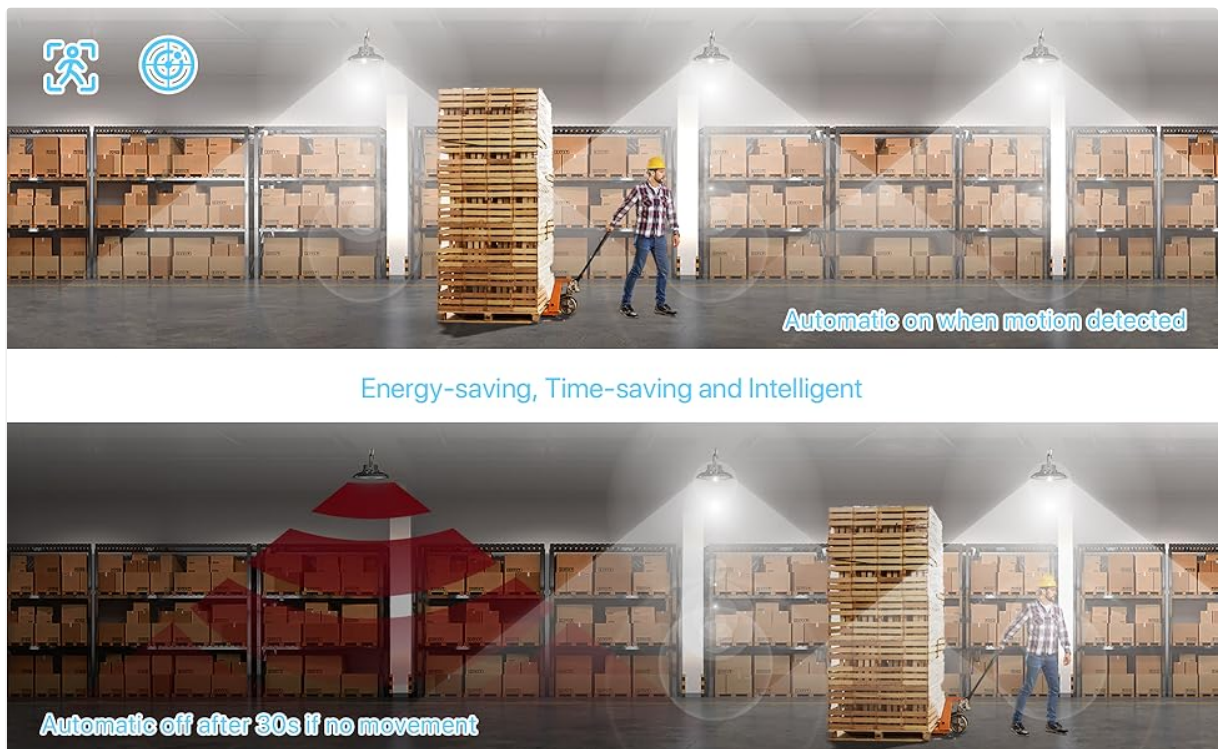
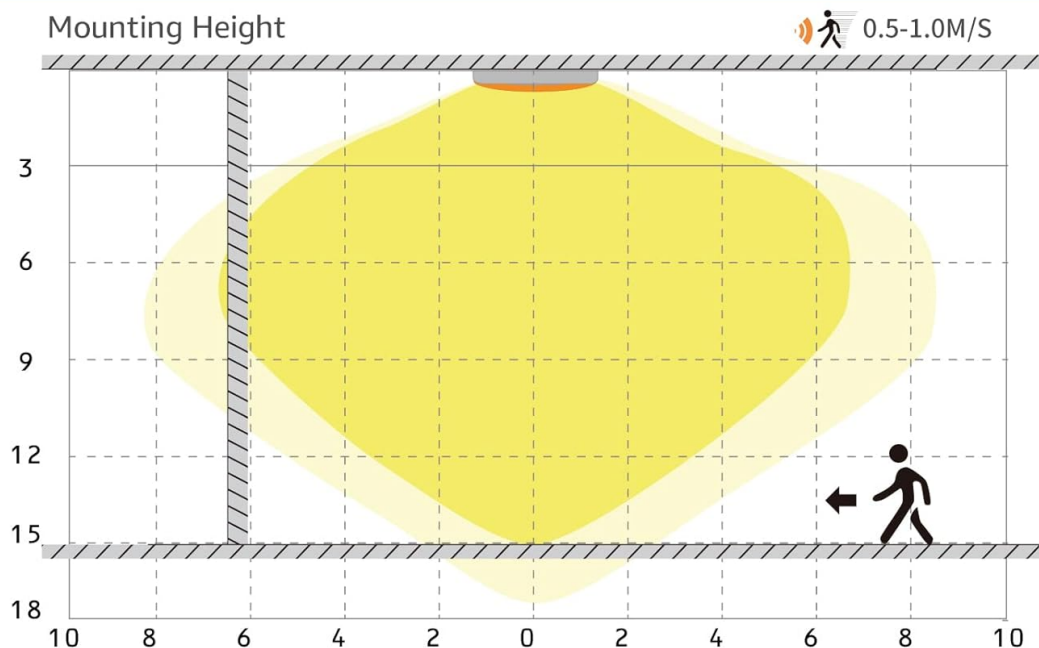


Figure 6: Automatic light deactivation after a period of no motion.

Detection Range and Mounting Height

The sensor can be mounted up to a maximum height of 15 meters (ceiling mounted). The detection range is influenced by mounting height and surrounding environment.

CEILING MOUNTED



Highest mounting height is 15m

This figure indicates the maximum distance at the highest mounting height with 100% sensitivity.

Well Detected Area Possibly Detected Area

Figure 7: Sensor detection area based on mounting height.

Note: The motion sensing function can be affected by the surrounding environment. It is not recommended for outdoor use as a street light.

MAINTENANCE

The HYPERLITE Microwave Motion Sensor requires minimal maintenance.

- **Cleaning:** Periodically wipe the sensor's surface with a soft, dry cloth to remove dust or debris. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly check for any visible damage to the sensor or its connection to the light fixture.
- **Environmental Considerations:** Ensure the sensor is not obstructed by objects that could block its detection field.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Light does not turn on with motion.	<ul style="list-style-type: none"> Power is off. Sensor not properly installed. Sensor obstructed. Not a Radar Series light. 	<ul style="list-style-type: none"> Check power supply to the light fixture. Re-install the sensor, ensuring it is securely screwed in. Remove any obstructions from the sensor's field of view. Verify the light fixture is a HYPERLITE Radar Series model.
Light stays on constantly.	<ul style="list-style-type: none"> Constant motion in detection area. Sensor malfunction. 	<ul style="list-style-type: none"> Ensure no continuous motion is present. Contact HYPERLITE support if problem persists.
Light turns off too quickly/slowly.	<ul style="list-style-type: none"> Factory setting is 30 seconds. Environmental interference. 	<ul style="list-style-type: none"> The sensor has a fixed 30-second timing. Ensure the sensor is not exposed to extreme environmental conditions not within its operating range.

SPECIFICATIONS

Attribute	Detail
Brand	HYPERLITE
Model Number	HU-XI-201
Color	Black
Material	Plastic
Style	Modern
Light fixture form	Ceiling
Room Type	Garage
Specific Uses For Product	Garage
Indoor/Outdoor Usage	Indoor
Power Source	Corded Electric
Installation Type	Ceiling Mount
Special Feature	Motion Sensor
Control Method	Remote

Attribute	Detail
Light Source Type	LED
Number of Light Sources	1
Voltage	110 Volts
Included Components	Remote Control
Warranty Type	Limited
Lighting Method	LED
Wattage (for compatible light)	110 watts
Bulb Base (for compatible light)	GX53
Controller Type	Remote Control
Switch Type	Motion Sensor
Unit Count	1.0 Count
Efficiency	Energy Efficient
Mounting Type	Ceiling Mount
Fixture Type	Non Removable
Assembly Required	No
Item Weight	1.13 ounces
Package Dimensions	2.28 x 2.28 x 1.85 inches
Operating Temperature	-40°C to +70°C
Operating Voltage	10.5-15V DC
Max. Mounting Height	15m (ceiling mounted)
Factory Setting Timing	30 seconds

WARRANTY AND SUPPORT

The HYPERLITE Microwave Motion Sensor comes with a **Limited Warranty**. For detailed warranty information, technical support, or any inquiries, please visit the official HYPERLITE website or contact their customer service.

[Visit the HYPERLITE Store on Amazon](#)

Manufacturer: HYPERLITE

Model: HU-XI-201

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