

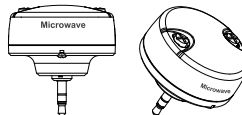
# INSTRUCTIONS

## MICROWAVE SENSOR FOR HID REPLACEMENT LAMPS

RAB Lighting is committed to creating high-quality, affordable, well-designed and energy-efficient LED lighting and controls that make it easy for electricians to install and end users to save energy. We'd love to hear your comments. Please call the Marketing Department at 888-RAB-1000 or email: [marketing@rablighting.com](mailto:marketing@rablighting.com).

### MW-S

Only apply for HID-XXX-EX39-8XX-BYP-PT and HID-XXX-V-EX39-8XX-BYP-HD



## IMPORTANT

**READ CAREFULLY BEFORE INSTALLING ACCESSORY. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.**

### Cautions:

1. Operating temperature: -20~60 °C (-4~140 °F)
2. Don't expose to water directly, heavy rain/storm may detect the sensor
3. One module per one lamp
4. Set the brightness and hold time prior to installation
5. **Not suitable for metal luminaire**
6. Not for use in high ambient temperature applications
7. 5 Year Warranty

## Operation instruction

The MW Sensor includes a photocell module inside.

The Sensor is only triggered by daylight or incandescent light.

The **Hold Time** knob controls how long the lights will stay on at 100% brightness after movement is detected.

The **Brightness** knob controls the brightness of the light if no movement is detected after the set time.

Step 1: Adjust brightness knob and time knob (Fig. 1) to the desired setting first.

(Take 20% brightness and 30s hold-time as an example)

Step 2: Turn off the power to the circuit before installation, then plug the sensor into the lamp. (Fig. 2)

Step 3: Turn power back on to the lamps, the lamps should turn on immediately to 100% brightness and will remain on while the sensor warms up. It will take approximately 20 seconds for the sensor to detect the daylight or incandescent light lux value.

Step 4: A: If the detected light lux value is >300lux, the sensor will go into standby mode and the light will turn off after 20s.

B: If the detected Light Lux value is <300lux, the MW sensor will operate normally. After 20s, the lamps will dim down to 20% brightness. If the Sensor detects any movement, the lamp brightness will go back to 100%.

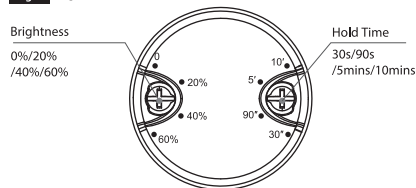
Step 5: The lamp will continue to burn at 100% brightness during the next 30s. If no motion is detected after a 30s period the lamp brightness will dim down to 20%.

Other brightness and hold time options are available

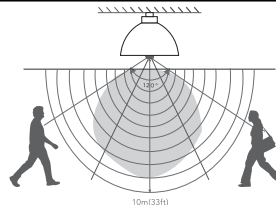
Fig. 2: Plug in the module



Fig. 1: Brightness/Hold time



## Signal detection diagram



### Easy Answers

[rablighting.com](http://rablighting.com)  
Visit our website for product info

**Tech Help Line**  
Call our experts: 888 722-1000

e-mail  
Answered promptly - [sales@rablighting.com](mailto:sales@rablighting.com)

**Free Lighting Layouts**  
Answered online or by request