



# OWL

## MICROWAVE MOTION & INFRARED PRESENCE SENSOR

The OWL is a vehicle motion and presence sensor that uses microwave and infrared technology to activate automatic doors and industrial gates. Featuring two configurable outputs, one for vehicle motion detection and the other for presence detection, the OWL provides a convenient means for activating a door and keeping it open, ensuring the safety of people and goods.

The microwave motion sensor's maximum detection area is ~ 23 ft (7 m) long by 19 ft (6 m) wide at a mounting height of 21 ft (6.5 m). The OWL can prevent unnecessary door openings by using traffic filters to prevent the detection of departing vehicles, and vehicles moving parallel to the door.

The infrared presence sensor's maximum detection area is ~ 18 ft (5.5 m) long by 26 ft (8 m) wide at a mounting height of 21 ft (6.5 m). Utilizing a pair of highly customizable infrared LED arrays, the OWL's presence detection can keep people and vehicles safe from unintentional door closings.

- Activation sensor for overhead door, gate and barrier applications
- Distinguish between vehicles, pedestrians and cross traffic
- Customizable infrared presence detection zone
- Two configurable relay outputs
- 11.5-21.3 ft (3.5-6.5 m) mounting height
- Remote for easy programming

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## Advantages

- Door activation and protection in one unit
- Disregard parallel traffic with filter settings
- Highly customizable presence detection area
- Save energy by reducing door openings

## Applications

- High performance and loading dock doors
- Activation for audible alarms and warning lights
- Manufacturing facilities
- Pull cord replacement
- Car dealerships



OWL-RC

## Technical Data

<b>Mounting Height</b>	11.5-21.3 ft (3.5-6.5 m)
<b>Supply Voltage</b>	12-24 VDC/AC
<b>Max Current Draw</b>	150 mA @ 12 VDC
<b>Operating Temperature</b>	-4 to 140°F (-20 to 60°C)
<b>Operating Humidity</b>	Below 80%
<b>Dimensions</b>	9" (229 mm) x 5" (127 mm) x 5" (127 mm)
<b>Connection</b>	32 ft (10 m) 8 conductor cable directly from sensor
<b>Weight</b>	2.87 lbs (1.3 kg)
<b>Environmental Rating</b>	IP65
<b>Vertical Directionality</b>	16-32° wall or ceiling mount
<b>Horizontal Directionality</b>	+/- 10°

### Operating Frequency Detection Range

### Relay Output Relay Contact Rating

### Relay Hold Time Adjustable Tilt Angle

### Microwave (Vehicle Motion)

24.150 GHz  
 Depends on sensor height and housing angle  
 Max. Range: 23 ft (7 m)  
 Max. Width: 19.7 ft (6 m)  
 NO or NC (adjustable)  
 Max. 48 VDC  
 Max. 300 mA  
 Typ. 500 ms  
 -10 to 25°

### Infrared (Presence)

Depends on sensor height and housing angle  
 Max. Range: 18 ft (5.5 m)  
 Max. Width: 26.2 ft (8 m)  
 NO or NC (adjustable)  
 Max. 48 VDC  
 Max. 300 mA  
 Presence (30 sec to Infinite, adjustable)

## Ordering Information

- OWL Vehicle Motion and Presence Sensor, includes 32 ft (10 m) of cable and mounting screws
- OWL-RC Remote control, required for programming the OWL (sold separately)



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