

# OPTEX OVS-6000 Quick Setup Guide

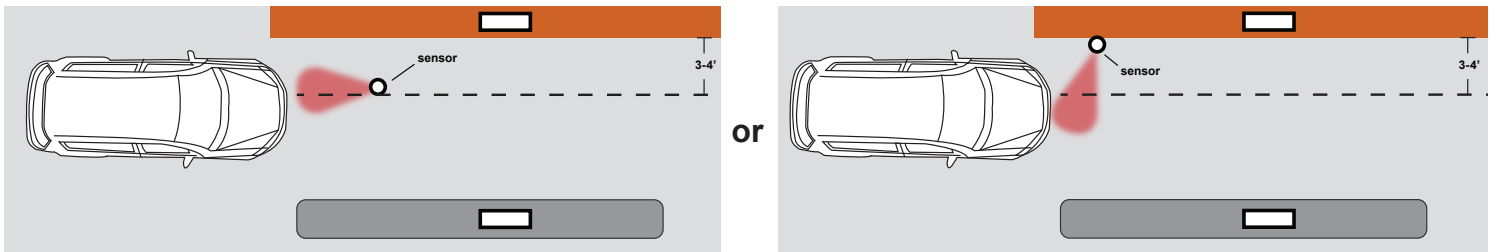
For detailed information, please refer to the installation manual supplied with each sensor.



The OVS-6000 utilizes an active infrared transmitter and photoelectric receiver located in the rectangular sensor head. This Quick Setup Guide will answer the most common installation questions, including: Mounting location, aiming the sensor head to achieve proper detection, self-learning, and programming.

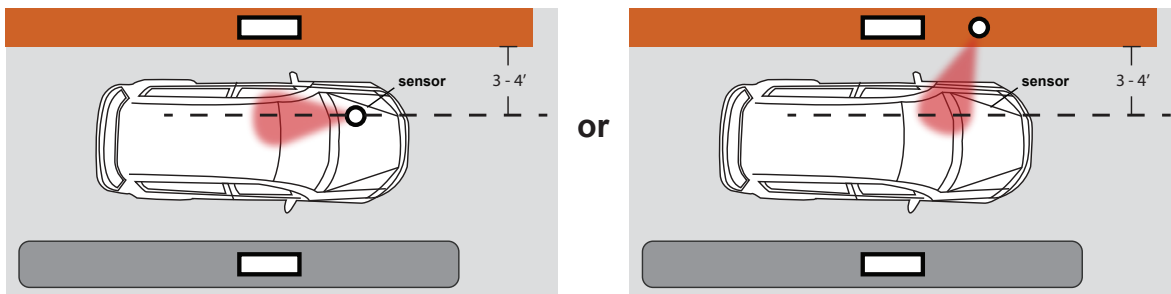
## Select a sensor mounting location based on application (Notification or Dwell Time)

### 1 Notification (detecting the approach of a vehicle) applications, vehicle clearance validation



Note: Mount to the side if you don't have vehicle clearance of the sensor (see above right); ensure vehicles will not strike the sensor.

### 2 Dwell Time (detecting the presence of a stopped vehicle) applications, vehicle clearance validation



Note: Mount to the side if you don't have vehicle clearance of the sensor (see above right); ensure vehicles will not strike the sensor.

\* Aim detector beams in front of tube machine

### 3 After choosing the mounting location, open the box and remove the sensor.



### 4 Note that the dipswitches are located behind the black cover, which can be easily removed by pulling the cover forward.



### 5 View the Transmitter, Receiver and Dipswitches. See below for detail of dipswitch settings.



(over)

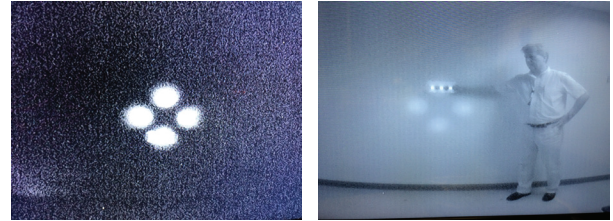
## 6 Mount Sensor and Adjust the Detection Pattern

\* Apply power - no vehicles in the detection pattern for a 10-second learning time.

When mounted on the ceiling, the sensor head is aimed in this direction. Loosen keeper nut and adjust sensor head so that it aims at the ground above the driver's side of the vehicle.



The sensor projects narrow detection beams towards the ground. The detection area contains 4 beams, as displayed in image at right. The IR Locator (optional) will give you the ability to locate the individual beams. When the LEDs light up on the IR Locator, you are within the beam area. The IR Locator Adjustment Tool can be purchased from OPTEx. Call 800-966-7839 to learn more.



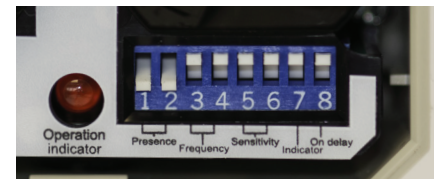
LAC-1 (optional)



## 7 Choose Sensor Settings

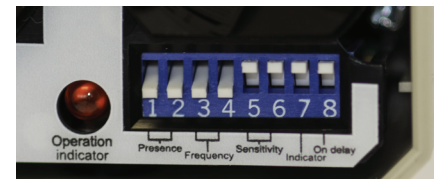
### 1 and 2 - Presence (Vehicle) Detection Timer

Notification (Vehicle Approaching): 1 and 2 Down (shown).  
Dwell Time (Vehicle Stationary): 1 Up, 2 Down



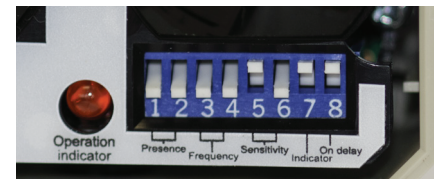
### 3 and 4 - Frequency

Set 3 and 4 Down (unless using 2 or more detectors with overlapping detection patterns next to each other; then, adjust to different frequencies).



### 5 and 6 - Adjust Detection Height Area

9 to 15 feet: 5 Up, 6 Down (shown).  
12 to 24 feet: 5 Down, 6 Up.



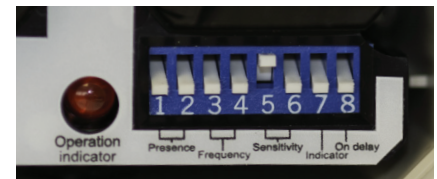
### 7 - LED Indicator

7 Down (shown), LED on, turns off with detection.  
7 Up, LED stays on with power.



### 8 - Delay

8 Down (shown), Notification (Vehicle Approaching): no delay.  
8 Up requires 2 or more beams broken within a 3-second period for Dwell time (Vehicle Stationary).



## Test and Complete Installation