

# OVS-01GT

## Vehicle Presence Sensor for Gates

The OVS-01GT from OPTEX is designed to reliably detect the presence of a stationary or moving vehicle while also having the ability to ignore most human traffic. It also eliminates the hassles associated with the installation of a ground loop. No more concrete cutting required. The OVS-01GT can be mounted 2 to 3 feet off the ground and can detect both small and large vehicles.



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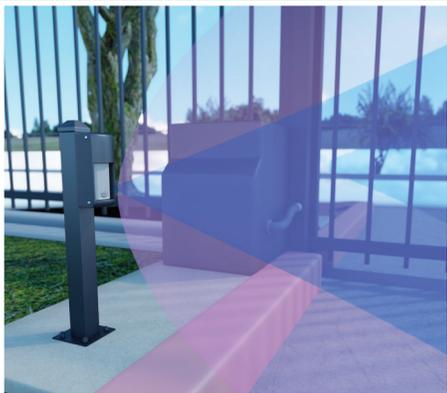
## Vehicle Presence Sensor for Gates

### Presence Capability

The OVS-01GT is designed to detect the presence of a vehicle. In applications for gates and barrier arms, it is installed above ground and near the gate operator. It can be mounted on a pole or post. Its detection area can be customized with 8 range settings, 5 sensitivity settings and one-touch calibration.

### Ignores Human Movement

In security gate applications, it is important that the sensor only detect vehicles and ignore human movement. The OVS-01GT has 5 selectable menu setting options to ignore human movement.

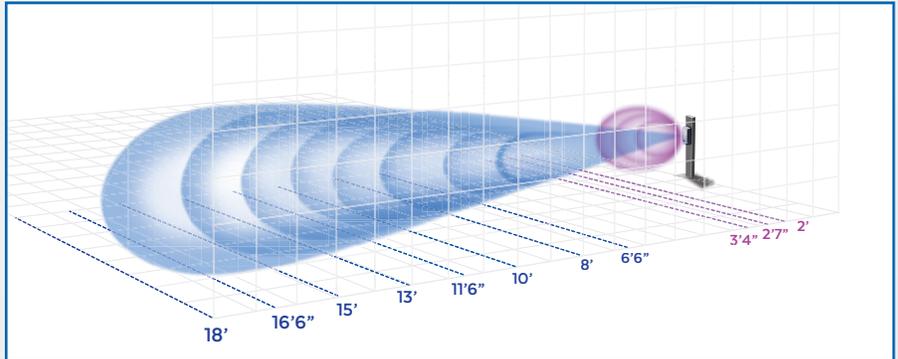


### Makes Installation Easier and More Cost Effective

With the OVS-01GT there is no need to stop traffic through the driveway during installation. It mounts quickly, easily and wires directly to the gate operator. No additional loop detector is required. No need for special programmers. A simple to use menu with visual indicators provides a simple and quick installation.

Also available:  
OVS-SGA Single Gang Adapter  
OVS-MP Mini Post

### Adjustable Microwave and Ultrasonic Detection Patterns



Microwave detection patterns (blue above) are adjustable from 6'6" to 18'. The Ultrasonic Sensor is for close range detection (purple). The OVS-01GT also features 5 sensitivity settings.

### OVS-01GT Specifications

|                               |   |
|-------------------------------|---|
| Detection method              | Microwave (Doppler shift and FMCW)/Ultrasonic combination   |
| Frequency                     | Microwave: 24GHz, Ultrasonic: 56KHz   |
| Response time                 | 500msec   |
| Power supply                  | 12-24VDC  |
| Current consumption           | Max 200mA (at 24VDC) with Heater ON<br>Max 80mA (at 24VDC) when Heater is OFF   |
| Output                        | Relay output DC30V, 0.3A (NO/NC selectable)   |
| Input                         | NO/NC input   |
| Detection range               | Microwave: 6.5ft. to 18ft. (2 to 5.5m) Programmable maximum range<br>Ultrasonic: 2ft. to 3.25ft.(0.6 to 1m) Programmable maximum range  |
| Detectable vehicle speed      | 1.24mph-12.43mph (2 to 20km/h)  |
| Parameters                    | Sensitivity: Level 1 to 5<br>Human Cancel Adjust: Level 1 to 5<br>Presence Detection Timer: 5 / 60 / 180 / Infinity min<br>Sensitivity Boost Timer: Off / 5 / 10 / 20 / 40 sec<br>Input: Wake L / Wake H / Inhibit L / Inhibit H<br>Output: NO / NC<br>Microwave Max. Range: 6.5/8/10/11.5/13/14.75/16.5/18 ft. (2/2.5/3/3.5/4/4.5/5/5.5m)<br>Ultrasonic Max. Range: OFF/2/2.6/3.25ft. (OFF/0.6/0.8/1m)<br>Sensor Mode: Activation / Vehicle protection |
| Indicator                     | Normal operation: Stand-by: Solid Green, Detection: Solid Red<br>Detection area check: Non-detection: Blinking Green<br>Microwave sensor detected: Blinking Yellow<br>Ultrasonic sensor detected: Blinking Purple<br>Microwave/Ultrasonic sensor detected: Blinking Red   |
|                               | Calibration: In calibration: Fast blinking blue<br>Ultrasonic calibration error: Blinking red and blue  |
|                               | Sensor reset: Reset completed: Blinking yellow for 2 seconds  |
| Human cancellation            | Available from Level 1 to 5   |
| Operation temperature         | -22°F to 122°F (-30°C to 50°C)  |
| Operation humidity            | 95% max. (non-condensing)   |
| International Protection code | IP65  |
| Installed condition           | Indoor/Outdoor  |
| Installation height           | Installation Height of 19.69in. (500mm).  |
| Horizontal angle adjustment   | Horizontally: +/-30 deg. (5 deg. steps)   |
| Weight                        | 480g (Including accessories)  |
| Accessories                   | 4 screws and installation manual  |