

# 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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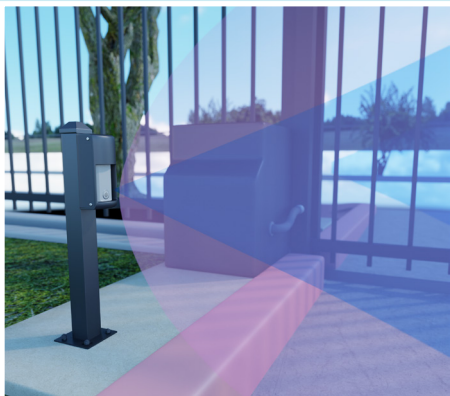
## Vehicle Presence Sensor for Gates

### 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.

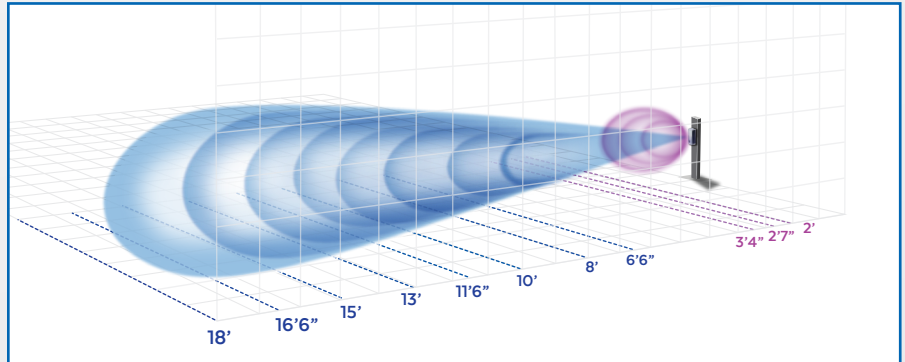


### Makes Installation Easier and More Cost Effective

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 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 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 Human Cancel Adjust: Level 1 to 5 Presence Detection Timer: 5 / 60 / 180 / Infinity min Sensitivity Boost Timer: Off / 5 / 10 / 20 / 40 sec Input: Wake L / Wake H / Inhibit L / Inhibit H Output: NO / NC 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) Ultrasonic Max. Range: OFF/2/2.6/3.25ft. (OFF/0.6/0.8/1m) Sensor Mode: Activation / Vehicle protection
Indicator	Normal operation: Stand-by: Solid Green, Detection: Solid Red Non-detection: Blinking Green Microwave sensor detected: Blinking Yellow Ultrasonic sensor detected: Blinking Purple Microwave/Ultrasonic sensor detected: Blinking Red Calibration: In calibration: Fast blinking blue 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