



Vehicle Virtual Loop from OPTEX

OVS-01GT

Vehicle Presence Sensor for Gates

The OVS-01GT Vehicle Virtual Loop 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. The Vehicle Virtual Loop 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.



Vehicle Virtual Loop from OPEX

OVS-01GT

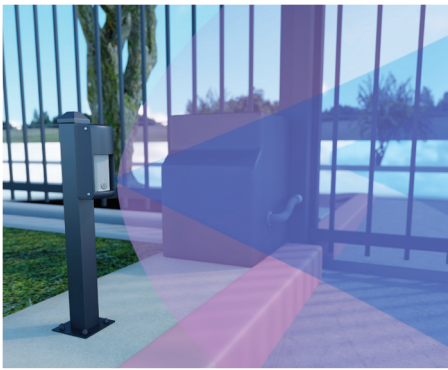
Vehicle Presence Sensor for Gates

Presence Capability

The OVS-01GT Vehicle Virtual Loop is designed to detect the presence of a vehicle. In applications for gates and barrier arms, the Vehicle Virtual Loop 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 Vehicle Virtual Loop has 5 selectable menu setting options to ignore human movement.



Makes Installation Easier and More Cost Effective

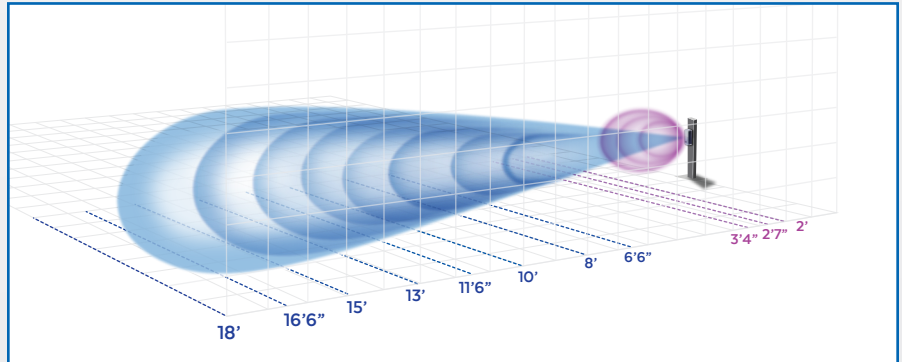
With the OVS-01GT Vehicle Virtual Loop there is no need to stop traffic through the driveway during installation. It mounts quickly, easily and wires directly to the gate operator. No additional loop detector is required. No need for special programmers. A simple to use menu with visual indicators provides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

Also available:

- OVS-MPB Mini Post (black; 28")
- OVS-MPY Mini Post (yellow; 28")
- OVS-MPBCurb Mini Post curb (black; 21")
- OVS-MPYCurb Mini Post curb (yellow; 21")

Vehicle Virtual Loop

Adjustable Microwave and Ultrasonic Detection Patterns



Microwave detection patterns (blue above) are adjustable from 7' 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	7ft. to 18ft. (2 to 5.5m) Programmable maximum range
	Ultrasonic	2ft. to 3ft.(0.6 to 1m) Programmable maximum range
Detectable vehicle speed	1mph-12mph (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	7/8/10/11/13/15/16/18 ft. (2/2.5/3/3.5/4/4.5/5/5.5m)
Ultrasonic Max. Range	OFF/2/2.5/3ft. (OFF/0.6/0.8/1m)	
Sensor Mode	Activation / Vehicle protection	
Indicator	Normal operation	Stand-by: Solid Green, Detection: Solid Red
	Detection area check	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 20in. (500mm).	
Horizontal angle adjustment	Horizontally: +/-30 deg. (5 deg. steps)	
Weight	480g (Including accessories)	
Accessories	4 screws and installation manual	



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