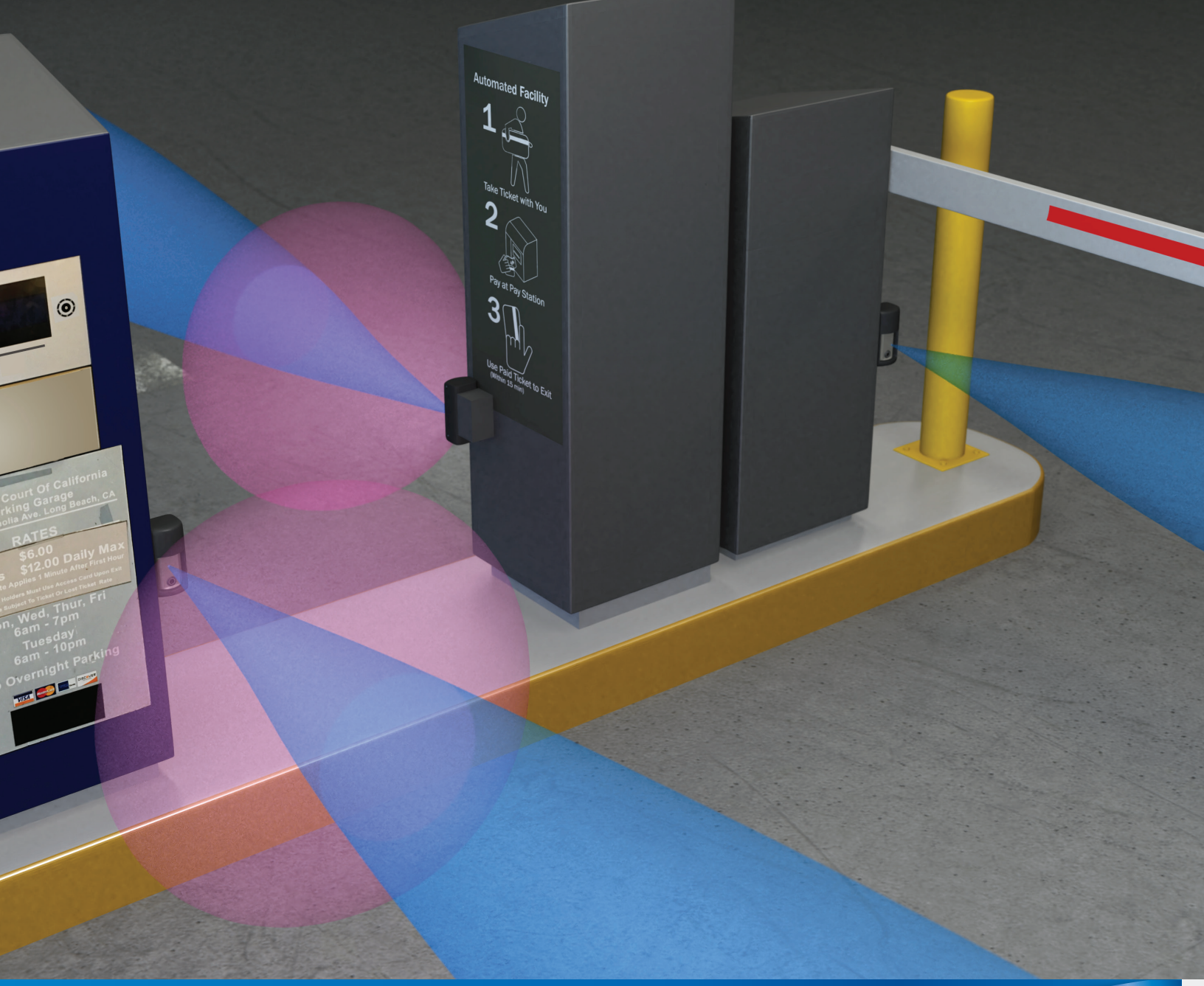


Vehicle Virtual Loop from OPTEX

OVS-01GT

Vehicle Presence Sensor

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. It also eliminates the hassles associated with the installation of a ground loop. No more concrete cutting required. The Vehicle Virtual Loop can be mounted 2 to 3 feet off the ground and can detect both small and large vehicles.

OPTEX
Sensing Innovation

Vehicle Virtual Loop from OPTEX

OVS-01GT

Vehicle Presence Sensor

Presence Capability

The OVS-01GT Vehicle Virtual Loop is designed to detect the presence of a vehicle. In applications for ticket machines and barrier arms, it is installed above ground and near the 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

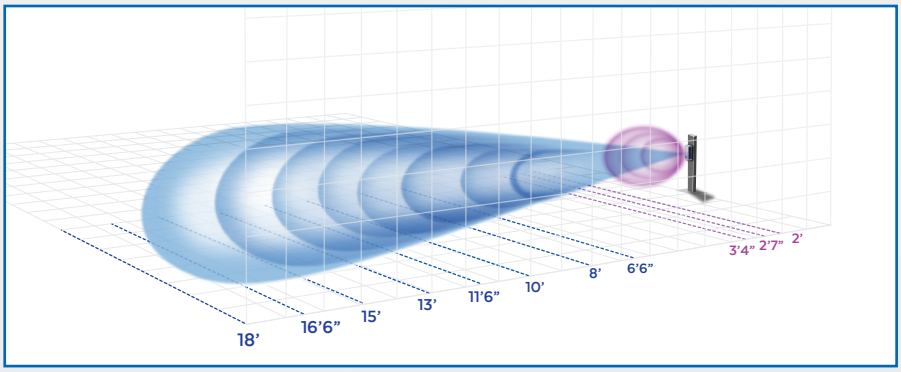
In ticket machine and barrier arm applications, it is important that the sensor only detect vehicles and ignore human movement. The OVS-01GT Vehicle Virtual Loop has 5 selectable menu setting options to ignore human movement.

Makes Installation Easier and More Cost Effective

With the Vehicle Virtual Loop there is no need to stop traffic through the driveway during installation. It mounts quickly, easily and wires directly to the operator. No additional loop detector is required. No need for special programmers. An easy-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”)

Adjustable Microwave and Ultrasonic Detection Patterns



Microwave detection patterns (blue above) are adjustable from 7 to 18 feet. The Ultrasonic Sensor is for close range detection (purple). The OVS-01GT Vehicle Virtual Loop 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		1 mph-12 mph (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 Puple
		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

OPTEX Sensing Innovation

18730 S. Wilmington Ave, Unit 100
Rancho Dominguez, CA 90220
Ph 800 877-6656
Fax 310 898-1098
www.optex-vs.com

OPTEX Inc.
(East Coast Office)
8510 McAlpine Park Dr.
Suite 108
Charlotte, NC 28211