

OVS-01GT

Vehicle Presence Sensor for Gate or Barrier Activation

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 an induction loop. No more concrete cutting required. The OVS-01GT can be mounted at 500mm from the ground and can detect both small and large vehicles.



OVS-01GT

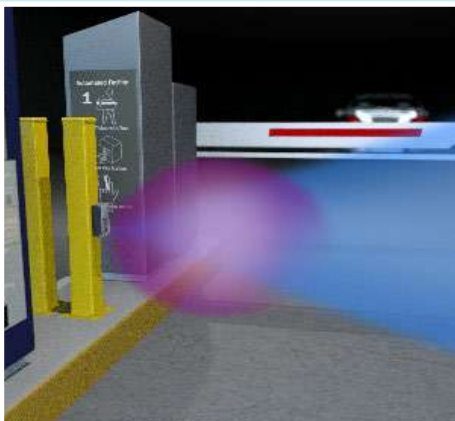
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Vehicle Presence Capability

The OVS-01GT is designed to detect the presence of a vehicle. The OVS-01GT is installed above the ground, and its detection area is adjustable up to 5.5m.

Leading Edge Technology with Human Cancellling

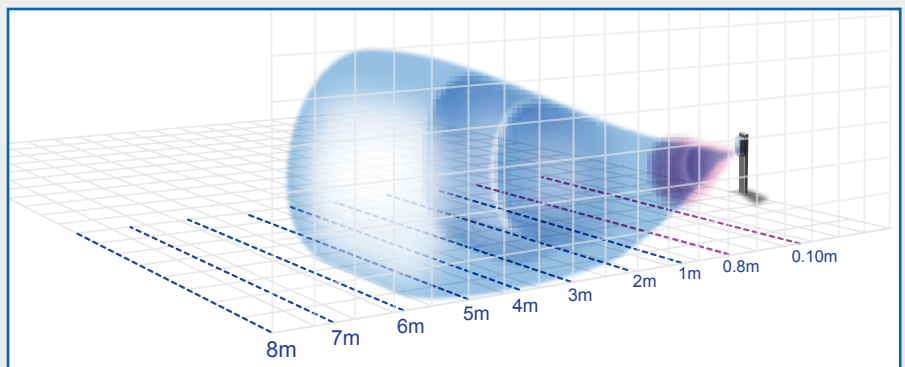
The OVS-01GT connects to state-of-the-art parking systems. With menu programming, it has 5 sensitivity settings and 5 human canceling selections, all with one-button calibration.



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With the OVS-01GT there is no need to stop traffic or engage in engineering work during installation. The vehicle sensor can be mounted quickly and easily on a pole or on the wall; the calibration is done easily. No additional loop detector is required.

Adjustable Microwave and Ultrasonic Detection Patterns



Microwave detection patterns (blue above) are adjustable from from 0.8m to 5.5m. 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 switchable)
Input	Active low/ high switchable
Detection range	Microwave: From 0.8m to 5.5m programmable range Ultrasonic: From 0.10m to 1m programmable range
Detectable vehicle speed	2 to 20km/h (1.24mph-12.43mph)
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: 2m, 2.5m, 3m, 3.5m, 4m, 4.5m, 5m, 5.5m Ultrasonic Max. Range: 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 and Ultrasonic sensor detected: Blinking Red Calibration: Getting Ready: Slow Blinking Blue / Calibrating: Quick Blinking Blue Ultrasonic sensor detection error: Alternating Blinking Red-Blue Sensor reset: Reset completed: Blinking yellow for 2 seconds
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 500mm.
Horizontal angle adjustment	Horizontally: +/-30 deg. (5 deg. steps)
Weight	480g (Including accessories)
Accessories	4 screws and installation manual



OPTEx (EUROPE) LIMITED
EMEA Headquarters
T: +44 (0)1628 631 000
Dubai branch
T: +971 (0)4 501 53 94
E: marketing@optex-europe.com
www.optex-europe.com

OPTEx Security SAS
(France and North Africa)
OPTEx Security SAS
T: +33 (0)4 37 55 50 50
E: contact@optex-security.com
www.optex-security.com

OPTEx Security Sp. z o.o.
(Eastern Europe,
CIS countries, Turkey)
Optex Security Sp. z o.o.
T: +48 (22) 598 06 60
E: optex@optex.com.pl
www.optex.com.pl

OPTEx Technologies BV
(Benelux)
OPTEx Technologies B.V.
T: +31 70 4194100
E: info@optex.eu
www.optex.eu