



OVS-01CC

Vehicle Presence Sensor for Car Counting

The OVS-01CC 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-01CC can be mounted 2 to 3 feet off the ground and can detect both small and large vehicles.



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Presence Capability

The OVS-01CC is designed to detect the presence of a vehicle. In applications for car counting, it is installed above ground and 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 car counting applications, it is important that the sensor only detect vehicles and ignore human movement. The OVS-01CC has 5 selectable menu setting options to ignore human movement.



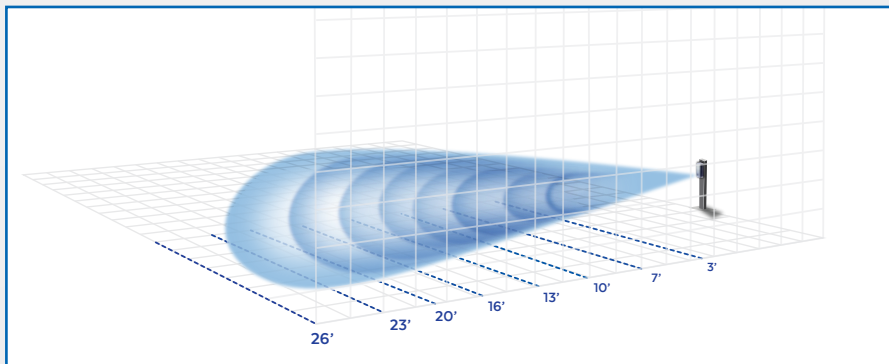
Makes Installation Easier and More Cost Effective

With the OVS-01CC 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. A simple-to-use menu with visual indicators provides a simple and quick installation.

Also available:

OVS-MP Mini Post (yellow or black; 28" or 21" curb)
OVS-Cover (anti-vandal, 1/2" EMT)

Adjustable Microwave and Ultrasonic Detection Patterns



Microwave detection patterns (blue above) are adjustable from 3 to 26 feet. The OVS-01CC also features 5 sensitivity settings.

OVS-01CC Specifications

Detection method	Microwave (Doppler shift and FMCW)
Frequency	24GHz
Response time	300msec
Power supply	12-24VDC
Current consumption	Max 200mA (at 24VDC) with Heater ON Max 80mA (at 24VDC) when Heater is OFF
Output 1	Relay output DC30V, 0.3A (NO/NC selectable)
Output 2	Relay output DC30V, 0.3A (NO/NC selectable)
Input	NO/NC input
Detection range	3ft. to 26ft. (1 to 8m) Programmable maximum range
Detectable vehicle speed	1 mph-37 mph (2 to 60km/h)
Parameters	Sensitivity Output 1 Output 2 Max. Range
	Level 1 to 5 (inc. Human Cancel Adjust.) NO / NC NO / NC 3/7/10/13/16/20/23/26 ft. (1/2/3/4/5/6/7/8 m)
Indicator	Normal operation Detection area check Calibration Sensor reset
	Stand-by: Solid Green, Detection: Solid Red Non-detection: Blinking Green Detected: Blinking Yellow In calibration: Fast blinking blue 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 20 in. (500mm).
Horizontal angle adjustment	Horizontally: +/-30 deg. (5 deg. steps)
Weight	480g (Including accessories)
Accessories	4 screws and installation manual