The OVS-01CC from OPTEX is designed to reliably detect and count moving vehicles up to 60km/h. It also eliminates the hassle associated with the installation of a ground loop. No more concrete cutting required. The OVS-01CC can be mounted at 500mm from the ground and can detect both small and large vehicles.
OVS-01CC

Vehicle counting sensor

Moving vehicle counting
The OVS-01CC is designed to count moving vehicles up to 60km/h. It is installed above ground and can be mounted on a pole or post. Its detection area can be customised with 8 range settings, 5 sensitivity settings and one-touch calibration.

Adjustable microwave patterns
Microwave detection patterns (blue above) are adjustable from 1m to 8m. The OVS-01CC also features 5 sensitivity settings.

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

OVS-01CC Specifications
- Detection method: Microwave (Doppler shift and FMCW)
- Frequency: 24GHz
- Response time: 300msec
- Power supply: 12-24VDC
- Current consumption:
  - Max 190mA (at 24VDC) with Heater ON
  - Max 70mA (at 24VDC) when Heater is OFF
- Output: Relay output DC30V, 0.3A (NO/NC switchable)
- Input: NO/NC input
- Detection range: 1m to 8m programmable maximum range
- Detachable vehicle speed: 2 to 60km/h (1.24mph-37.28mph)
- Parameters:
  - Sensitivity: Level 1 to 5
  - Outputs: 2 x (N.O. / N.C) Contacts
  - Max. Range: 1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m
- Indicator:
  - Normal operation: Stand-by: Solid Green, Detection: Solid Red, Unsuitable environmental notification: Slow Blinking Green
  - Detection area check: Non detection: Blinking Green, Detected: Blinking Red
  - Calibration: Getting ready: Slow Blinking Blue, Calibrating: Quick Blinking Blue
  - Sensor reset: Reset completed: Blinking yellow for 2 seconds
- Operation temperature: -30°C to 50°C (-22°F to 122°F)
- Operation humidity: 95% max. (non-condensing)
- International Protection code: IP65
- Installed condition: Indoor/Outdoor
- Installation height: Installation Height of 500mm. (19.69in.)
- Horizontal angle adjustment: Horizontally: ±10 deg. (5 deg. steps)
- Weight: 480g (Including accessories)
- Accessories: 4 screws and installation manual