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**GA-OVS-01GT**







## OVS-01GT VEHICLE DETECTION SENSOR FOR GATE CONTROL

The ViiK OVS-01GT is a dual technology vehicle detection sensor designed to be used in conjunction with an automatic gate, barrier or industrial door. Mounted above the ground, it will detect a vehicle arriving at a speed of 2 to 20km/h and then stopping. Vehicle detection is ensured by a combination of microwave and ultrasonic wave. In many cases, it can replace a ground loop sensor or video based sensors.

### FEATURES

- Above ground vehicle sensor - no civil engineering work required
- Combined FMCW (Microwave) and ultrasonic technology
- Vehicle presence and activation sensor for gate, barrier, and industrial door
- Detecting vehicles at a speed from 2 to 20km/h

### TECHNICAL INFORMATION

- 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 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, 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, Detection area check - 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
- Operating temperature: -22°F to 122°F (-30°C to 50°C)
- Operation humidity: 95% max. (non-condensing)
- International Protection code: IP65
- Installation height: Installation height of 500mm
- Horizontal angle adjustment: Horizontally: +/-30deg. (5 deg. steps)
- Weight: 480g (including accessories)

