

# Specifications

Name			Vehicle Detection Sensor (Surface mount)
Model			OVS-02GT(BL)
Detection method			Microwave (FMCW)
Frequency			Microwave : 24GHz, BLE communication : 2.4GHz
Response			MIN 500ms
Supply voltage			12 to 24V AC/DC
Power consumption			Heater enabled : Up to 300mA、Heater disabled : Up to 90mA( at 24V )
Output	Spec	1	Non-voltage solid state relay output 30VDC 0.3A or less (resistance load) (N.O. / N.C.)
		2	Non-voltage mechanical relay output 30VDC 1A or less (resistance load) (N.O. / N.C.)
	Delay [s]		OFF / 0.5 / 1 / 2 / 3 / 4
	Hold timer [s]		OFF / 0.5 / 1 / 2 / 3 / 10 / 30 / 60
	Mode		Detection / Pre-detection / Mask
	Type		Holding / Pulse IN / Pulse OUT
	Pulse time duration		150ms / 250ms / 500ms / 1s
Input	Spec		N.O. contact Non-voltage relay Input ON resistance 100Ω or less, Off resistance 200kΩ or more, Internal pull-up voltage: approx. 3.3V
	Mode		Link(OR gate) / Link (AND gate) / Inhibit / Wake
Application			Barrier-Activation, Protection / Slide gater-Activation, Protection / Swing gater-Activation, Protection, Shadow
Detectable vehicle speed			2 to 35km/h (1.2 to 22 mi/h)
Device setting	Detection range		1.5m (7ft.) to 8.0m (26ft.) *0.5m(20in.) pitch
	Main sensitivity		Level 1 to 7
	Fine tuning presence		Level 1 to 7
	Close range sensitivity		Level 1 to 7
	Side approach detection		Off / On(2.5s)
	Vibration sensitivity		Off / Low / Middle / High
	Sensitivity boost		Off / Low / Middle / High
	Sensitivity boost timer [s]		Off / 0.5 / 1 / 2 / 3 / 4 / 5 / 10 / 20 / 40
	Relay Response time		Level 1 to 4
	Presence detection timer [min]		5 / 15 / 60 / 180 / Infinity
	Slide gate cancellation		Off / On
Indicator	On / Off		Switchable (with the smartphone App or by holding a magnet close to the unit)
	Standard operation mode	Detection operation	Standby : Solid green, Detected : Solid red, Bad environment : Solid purple, Calibration uncompleted : Solid blue
		Wake up	Wake up : Solid blue for 3 seconds
		Sensor reset	Completed reset : Blinking blue (Fast) for 2 seconds
	Smartphone app connection mode	Setting	Stanby : Blinking green(slow), Detected : Blinking yellow(slow), Bad environment : Blinking purple(slow), Calibration uncompleted : Blinking blue(slow)
		Area check	Stanby : Blinking green(slow), Pre-detected : Blinking yellow(slow), Detected : Blinking red(slow)
		Calibration	In process : Blinking Blue & Green, Error Unstable : Blinking Red & Yellow(Fast), Error High reflection : Blinking Red & Blue(Fast), High reflection : Blinking Purple(for 10s)
Ambient Temperature			-30 to 50°C (-22 to 122°F)
Operating Ambient Humidity			95% max. (no condensation)
Degree of Protection			IP66 / NEMA4
Installation Location			Indoor / Outdoor
Installation Height			500mm(20in.) (from the ground to the bottom of the unit)
Sensor Angle Adjustment			Left and right : ±96° (3° pitch)
Weight			600g (21oz) (including accessories)
Accessories			Retaing screw (Metric coarse thread M4x12 : 2pcs, Tapping Screws 4x20 : 2pcs), Quick manual

Specifications are subject to change without notice for improvement.