

ULTRA SENSE

Vehicle Presence Sensor for Gate or Barrier Activation

The sensor reliably detects the presence of a vehicle stationary or moving while also having the ability to ignore most humans traffic.

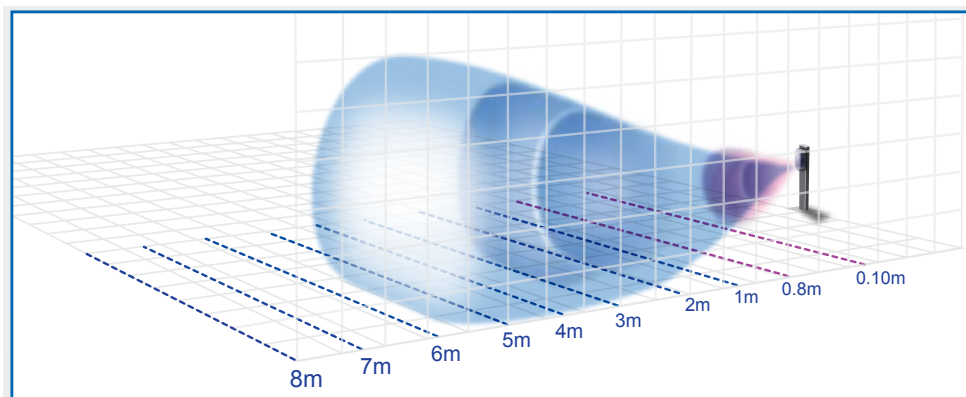
The sensor can be mounted at 500mm from the ground and can detect both small and large vehicles

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.



DETENTION AREA

Adjustable Microwave and Ultrasonic Detection Patterns



TECHNICAL FEATURES

SPECIFICATIONS	ULTRA SENSE
Detection method	Microwave (Doppler shift and FMCW)/Ultrasonic combination
Frequency	Microwave: 24GHz, Ultrasonic: 56KHz
Response time	500m/sec
Power supply	12-24VDC
Current consumption	Max 200mA (at 24VDC) with Heater ON Max 200mA (at 24VDC) with Heater ON
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)
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
Operation temperature	-22°F to 122°F (-30°C to 50°C)
Operation humidity	95% max. (non-condensing)
International Protection class	IP65
Installed condition	Indoor/Outdoor
Installation height	Installation Height of 500mm.
Horizontal angle adjustment	Horizontally: +/-30 deg. (5 deg. steps)
Weight	480g (Including 4 screws)