

# TimeTec Barrier Radar Vehicle Detector RVD-2

## Traffic Motion Sensor



RVD-2 is the ideal car barrier sensor to detect and identify vehicles (motorcycles, cars, trucks), pedestrians, and small (distant) objects within a detection area from 1m to 6m around the boom barrier.

Thanks to its built-in anti-collision radar sensor, RVD-2 helps prevent vehicles from running into obstacles, damaging property, or passers-by through linkage with the main board of the barrier while allowing automatic boom opening and closing.



### SIMPLE INSTALLATION

No need for ground cutting or complex wiring. The RVD-2 installs quickly and easily.



### QUICK PARAMETER SETTINGS

Only a 2 to 3 steps to setup straight pole lane and fence lane applications, and trigger mode settings.



### ENHANCED DETECTION

Unlike loop detectors, the RVD-2 effectively detects all vehicles, including large trucks and trailers with high beds, electric vehicles, and even motorcycles.



### IMPROVED SAFETY

The RVD-2 distinguishes between vehicles and pedestrians, preventing accidental barrier activation.



### ADJUSTABLE DETECTION RANGE

Set the detection range from 1 to 6 meters to perfectly suit your needs.



### ALL-WEATHER PERFORMANCE

The IP67-rated RVD-2 operates flawlessly in any climate, rain or shine.



### DATA RETENTION

Never lose track of traffic data, even during power outages.

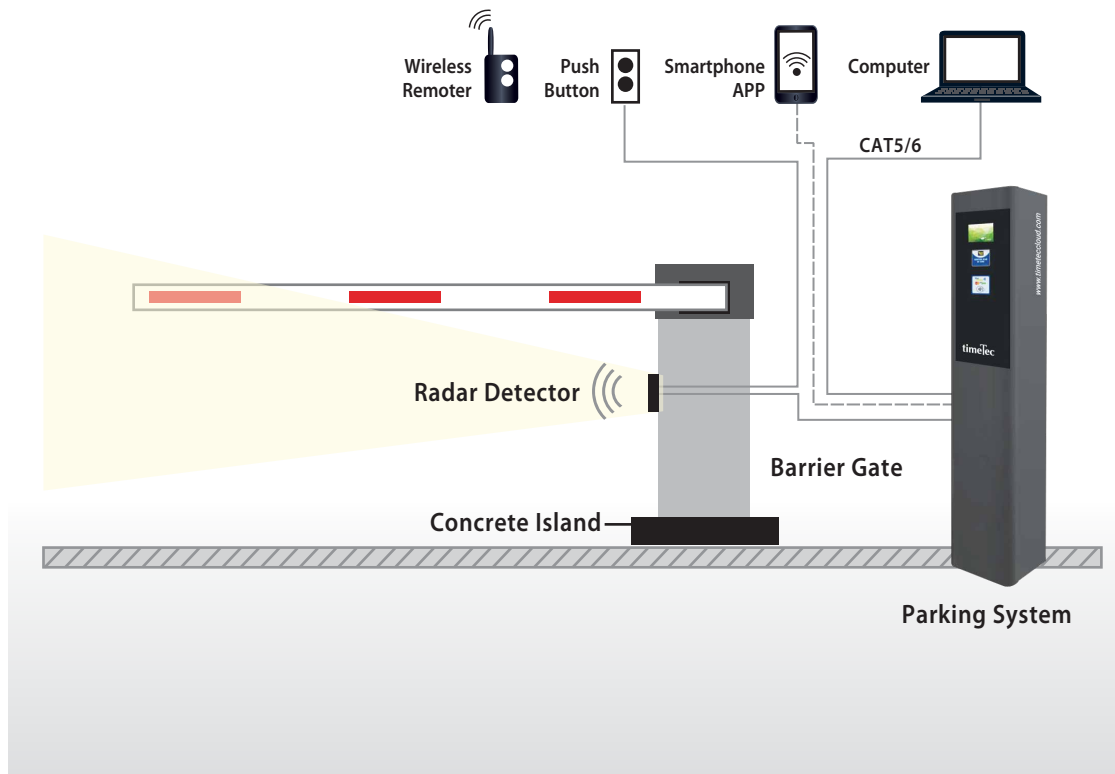


### VERSATILE APPLICATIONS

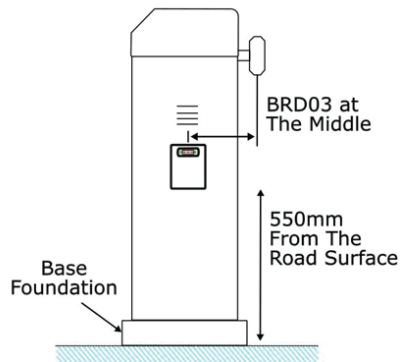
Trigger cameras for vehicle capture, activate alarms in warning zones, or control barrier gates for smooth traffic flow.



# SYSTEM DIAGRAM



# SPECIFICATIONS



Input Voltage	9-24VDC
Rated Current	<200mA
Working Frequency	24-24.25GHz
Modulation Mode	FMCW
X-axis Antenna Transmission Power	10-15dBm
X-axis Horizontal Beam	<30°
X-axis Vertical Beam	<17°
Y-axis Antenna Transmission Power	10-15dBm
Y-axis Horizontal Beam	<15°
Y-axis Vertical Beam	<60°
Z-axis Detection Distance	1 - 6 meters, ±0.1 meters
Working Temperature	-40°C~+85°C
Protection Level	IP67
Dimension	117*97*16mm

Authorized Reseller: