



RSB Radar Sensor

/US

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BG DRIVES

THE SMART ALTERNATIVE TO INDUCTION LOOPS

Multifunctional and intelligent: The **RSB Radarsensor** combines cutting-edge FMCW radar technology with a user-friendly and flexible application. It replaces induction loops and light barriers without requiring expensive roadwork or modifications, optimizes traffic flow and ensures maximum safety.

Thanks to virtual loops, **RSB Radarsensor** enables customized detection for barrier control, ticketing, or license plate recognition. It accurately distinguishes between vehicles and pedestrians, eliminates unwanted cross-traffic, and minimizes collision risks. With an intuitive app configuration, virtual loops can be adjusted and set up in seconds. The sensor operates with absolute reliability in all weather conditions.

Technical Data

Technology	FMCW, MoWa inside (microwave 60GHz)
Detection types	Presence, protection
Mounting height	11.81 in to 27.56 in
Max. detection field	Up to 22.97 ft
Radar field of view	140° opening field and 40° in elevation
Antenna angle adjustment	-20° to +20°
Supply voltage	12-30 V DC +/- 10% / 12-24 V AC +/- 10%
Power consumption	< 3 W
Outputs	2 electronic relays (galvanic isolated - polarity free), 1 relay
Test input	1 optocoupler (galvanic isolated - polarity free)
Dimensions	1.97 in x 5.91 in x 2.68 in
Material / Colour	PC / ASA / Aluminium ADC12 – black color
Protection degree	IP65 (IEC/EN 60529)
Temperature range	-13°F to +131°F; 0–95% RH, non-condensing
Bluetooth	2402 MHz – 2480 MHz; max. 12 dBm
Conformity	EN 12453 (type D)
Vehicle speed	max. 18.6 mph

In short

- Contactless detection of vehicles & pedestrians
- Replaces induction loops and light barriers
- Quick installation without ground work
- Intuitive app control & virtual loops
- Reliable in all weather conditions

