



# RSB Radar Sensor

/EN

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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

Specification	Metric Units
Technology	FMCW, MoWa inside (microwave 60GHz)
Detection types	Presence, protection
Mounting height	30 cm to 70 cm
Max. detection field	Up to 7 m
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	50 mm x 150 mm x 68 mm
Material / Colour	PC / ASA / Aluminium ADC12 – black color
Protection degree	IP65 (IEC/EN 60529)
Temperature range	-25°C to +55°C; 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

