



EROAD

PRODUCT SPECIFICATIONS

Advanced Wireless Door Sensor

The advanced wireless door sensor remotely detects when doors on a trailer open and close enabling fleet operators and drivers to make smarter operational decisions, enhance security, and boost visibility across their fleet.

The sensor has been engineered for extreme conditions (IP69-rated), has an extended battery life (up to 5 years), and is faster to install, easier to maintain, and more affordable than traditional wired sensors. The sensor wirelessly connects to EROAD's telematic gateway assurance devices through a Bluetooth Low Energy (BLE) connection using EROAD's mobile application.

Multiple door sensors can be used to track all door activity within one trailer. The door sensor is compatible with swing, curtain, and roll-up doors for dry and refrigerated trailers.



Key Highlights

- Remotely trace, log, and monitor door activity for swing, curtain, and roll-up doors
- Multiple sensors can be installed on one trailer
- Communicate wirelessly via Bluetooth Low Energy (BLE)
- Automatically send notifications to key personnel based on door and geofence activity
- Waterproof, dust, and humidity resistant
- Industrial brackets and optional harnesses are available for reefer trailers



ENHANCE OPERATIONAL EFFICIENCY

Correlate door activity with important activities to improve operations such as lost fuel consumption, energy use, and temperature variations.



BOOST VISIBILITY

Trace, log, and monitor all door activity across your entire fleet. Automatic notifications for the door activity can be sent and automated workflows can be initiated based on door and geofence activity.



PREVENT CARGO THEFT

Have peace of mind and know that your cargo is safe. Equipping trailers with wireless door sensors allows operators to know that their doors are closed and if they are opened, exactly what time they are opened with the location details of your trailers.

Advanced Wireless Door Sensor

Specifications

Operating Temperature	-30°c to 85°c
Dimensions	889mm L x 482mm W x 228mm H
Transmit Power (Max)	+8 dBm
Receive Sensitivity	-95 dBm
Range	65 ft
Battery Life	3 to 5 years
Wireless Communications	Bluetooth Low Energy (BLE) 5.2
Certifications	• FCC 47 part 15 class B • ICES-003 issue 6 class B • AS/NZS CISPR32:2015 class B • AS/NZS 4268: 2017 • RoHS
Material	PC-PET Polymer Alloy
Vibration, Shock, and Salt Exposure Standards	• IEC 60068-2-64 • SAE-J1455 • SAE J 575 F • ISO 9227
Impact rating	IK 06, 1 joule
IP/Water ingress rating	• IP69K • UV • SAE J2020 UV
Flammability	All external materials used are to meet a minimum of an UL 94 HB rating



Warning: EROAD does not recommend the installation of units close to flammable and hazardous goods or where it may be exposed to extreme high temperatures or fire due to the risk of explosion.

