secureseal DoorRF

ADVANCED WIRELESS DOOR MONITORING

TECHNOLOGY + FLEXIBILITY

The SecureRF range comprises a range of wireless transmitters and receivers specifically designed for the logistic industry.

Engineered to incorporate the newest technology and flexibility, it offers a range of flexible sensors with self-powered transmitters and a range of receiving options for data collection.

DoorRF: HOW IT WORKS

DoorRF is a wireless sensor transmitter that detects when a is door opened or closed and sends a wireless message to the vehicle's telematics or gatehouse check system.

DoorRF is a flexible programmable wireless transmitter that can be connected to any high-grade magnetic door switch or trigger input. The switch/magnet is attached to the door and frame and the variable length cable can be provided to meet your individually determined requirements to best mount the transmitter box.

DoorRF is programmed to transmit wireless data directly to the in-cab device and subsequently door openings/closings will be detected and communicated to the company's telematics data centre.

The telematics system will update the door open status for that vehicle and check for alarm conditions.

BENEFITS OF DoorRF

- Considerably more reliable than wired sensors.
- Zero maintenance – no wiring to get damaged or broken.
- Makes retro-fitting simple and cost-effective.
- Enables immediate exception reporting and alerts.
- Provides data to identify when the door is opened outside of your permitted areas.
- Increases customer confidence.
- Real protection against cargo theft and suspect deliveries.
- Monitors door for increased theft prevention.
- Protects income against stolen goods, insurance claims or reimbursements.

TELEMATICS COMPATIBILITY?

The DoorRF product has evolved over years of specialist applications to provide the most accurate and reliable system of monitoring door functions. It is **already integrated** with several telematics systems and gatehouse control systems worldwide. Unprecedented seamless data feed provides simple connection to harmonise with any telematics or existing in-cab device.

PROTECT YOUR CARGO WITH SECURESEAL SYSTEM'S DOOR RF

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MAIN FEATURES

- Wireless 868MHz frequency
- Long range narrow band technology
- Immediate signal sent when door is opened
- Programmable transmission rates from 1 to 15 minutes
- Transmitter housed in robust moulded logistics grade casing
- Long life lithium battery (5-7 years)
- Quick installation
- Transmission distance of up to 600 metres LoS
- Environmentally robust -25C to +55C
- Protection class IP 65

OTHER OPTIONS IN THE RF RANGE

BeaconRF is an ID beacon that sends a data packet with a unique trailer ID to the tractor unit enabling the driver to know the correct load has been picked up, or at gatehouse to monitor arrivals/departures and on-site inventory.

SealRF is the wireless SecureSeal security seal sensor that transmits an alert or data packet when the seal is opened or closed.

TempRF is a wireless temperature sensor that transmits temperature readings directly to 3rd party telematics or drive-by gatehouse receiver or to the stand-alone SecureTemp LCD display for a visual and audible alert. It operates between -25° and 55°C.

ReceiverRF operates on the powerful 868MHz frequency. When connected to a vehicle's in-cab system they receive data from the wireless sensors allowing the telematics to monitor the doors, temperature, security seal, etc. The receivers are available in an array of housings and supply options for any telematics or in-cab system. Generally in-cab options are preferred in a sturdy IP casing or simply as a PCB that can be embeded directly into a bespoke device. Available with various outputs including serial, USB, relay, etc.

TECHNICAL SPECIFICATIONS

Frequency:	868MHz
Interval:	1-15 minutes
Operating range:	up to 600 metres LoS
Operating Temp:	-25℃ to +55℃
Antenna:	Internal
Mounting:	Surface
Sealing:	IP65 rated
Battery Life:	5-7 years
Lower Power Radio:	100% EMC safe
Approvals:	ETS-300-220 compliant

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