

# SecureSeal Seal RF



## 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.

### SEAL RF: HOW IT WORKS

The Seal RF unit detects SecureSeal security seal opening and closing and sends a wireless message to the vehicle's telematics or a gatehouse check system.

The data message contains the trailer identification, a covert seal number and alert for open or closed seal conditions. Each time the SecureSeal is opened or closed, the Seal RF provides a random number code and also sends wireless RF data to any 3rd party telematics system or the drive-by gatehouse check receiver unit.

## ADVANCED WIRELESS SECURITY SEAL MONITORING



### BENEFITS OF THE WIRELESS SEAL RF

- Highest level of security seal available;
- World-renowned SecureSeal is used by the world's biggest retailers;
- Zero maintenance – no wiring to get damaged/broken;
- Makes retro-fitting simple and cost-effective;
- Enables immediate exception reporting and alerts;
- Provides data to identify when security is compromised outside permitted areas;
- Increases customer confidence;
- Real protection against cargo theft and suspect deliveries;
- Monitors seal for increased theft prevention;
- Protects income against stolen goods, insurance claims or reimbursements.

## TELEMATICS COMPATIBILITY?

The Seal RF product has evolved over years of specialist applications to provide the most accurate and reliable system of monitoring seal 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 SYSTEMS' SEAL RF



## **MAIN FEATURES**

- Wireless 868MHz frequency;
- Long range narrow band technology;
- Immediate signal sent when seal is opened;
- Programmable transmission rates from 1 to 15 minutes;
- SecureSeal made from 100% high-grade stainless steel;
- Transmitter housed in robust moulded logistics grade casing;
- Long life lithium battery (5-7 years);
- SecureSeal is accepted to Custom and Excise compliance level;
- 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.

**DoorRF** is a wireless door sensor that transmits an alert or data packet when the door 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** operate 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 embedded directly into a bespoke device. Available with various outputs including serial, USB, etc.



## **TECHNICAL SPECIFICATIONS**

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