

# secureseal BeaconRF



## 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.

## HOW IT WORKS

**BeaconRF** is SecureSeal System's wireless asset identifier that can be used in most logistic environments to track the comings and goings of trailers, trucks and other large assets.

The unit's powerful transmitter (available in 433 or 868MHz) is designed for long-range communications (e.g. from the mobile asset to the gatehouse or to the tractor unit).

BeaconRF improves trailer fleet utilisation; Reduce the risk of operating trailers beyond their MOT and Service Schedule; Eliminate manual daily trailer checks – know what is in the yard and how long it's been there with a current listing of all trailers at any Depot location. The location audit trail provides a detailed history of individual trailer movements - make sure the tractor is paired correctly and leaving the depot with the correct trailer.

## ADVANCED WIRELESS TRAILER MONITORING



## BENEFITS OF THE BEACON RF

- Improved Trailer Fleet Utilisation: Trailer Alerts indicating Maintenance, Location, Security and Service requirements.
- Quick and easy to install wireless communication – no cables
- Cost effective solution to asset identification
- Up to seven (7) year battery life with low battery warning
- Can be installed in harsh environments
- Elimination of human error
- Know what is where: Trailers at each depot, trailer connected to tractor.

## TELEMATICS COMPATIBILITY?

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

**PROTECT YOUR CARGO WITH SECURESEAL SYSTEM'S BEACON RF**



## MAIN FEATURES

- Wireless 433/868MHz frequency
- Long range narrow band technology
- 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 400 metres
- Environmentally robust -25C to +55C
- Protection class IP 65



## OTHER OPTIONS IN THE RF RANGE

*DoorRF* is a wireless door sensor that transmits an alert or data packet when the door is opened or closed.

*SealRF* detects SecureSeal security seal opening and closing and sends an RF message to the vehicle telematics or gatehouse check system. The data message contains the trailer identification, a covert seal number and optional alert for open or closed seal conditions.

*TempRF* is a wireless temperature sensor that transmits temperature readings directly to the telematics unit in-cab or gatehouse receiver or to a stand-alone LCD display for a visual and audible alert. Available in a range of enclosures including food industry standard polypropylene moulded housing, it operates between -25° and 55°C.

*ReceiverRF* units are available in 433 or 868 MHz. 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, relay, etc.



## TECHNICAL SPECIFICATIONS

Radio Frequency:	433MHz or 868MHz
Transmit Interval:	1-15 minutes
Operating Range:	150-400 metres
Operating Temp:	-25°C to +55°C
Antenna:	Internal
Sealing:	IP65 rated
Battery Life:	5-7 years
Address:	Unique ID
Lower Power Radio:	100% EMC safe
Approvals:	ETS-300-220