

# SecureRF Range

Wireless intelligence for logistics



## TECHNOLOGY + FLEXIBILITY

The SecureRF product range comprises an extensive collection of wireless transmitters and receivers specifically designed for the logistic industry.

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

### RF TRANSMITTERS

The comprehensive range of receivers and data collection makes it simple to integrate the data into existing or stand-alone interface options: in-cab, gatehouse or delivery points, or direct from trailers or other unpowered assets.

**TempRF** - this wireless temperature sensor transmits temperature readings directly to your 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

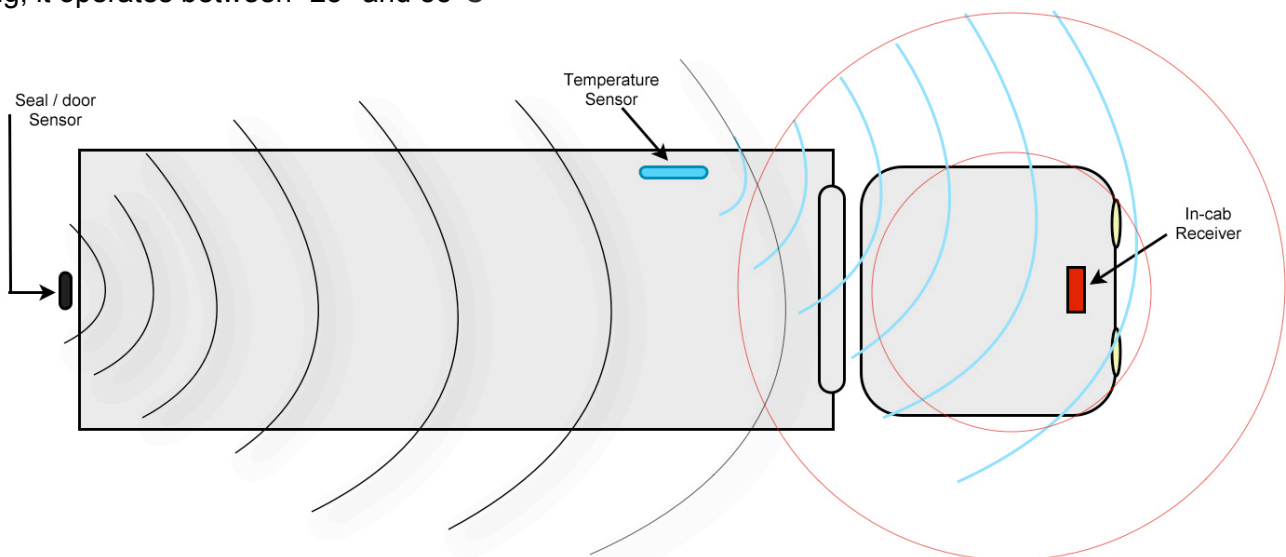
## TELEMATICS COMPATIBILITY

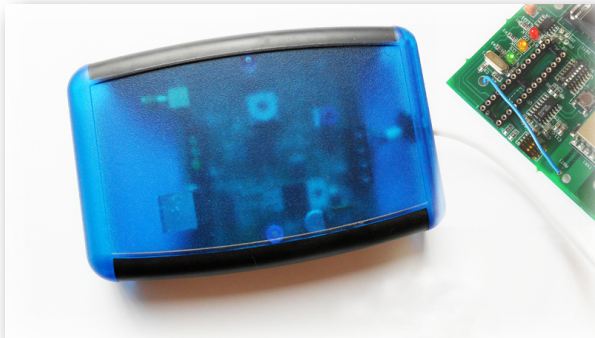
The SecureRF product range has evolved over years of specialist applications to provide the most accurate and reliable system of monitoring functions. We offer a wide range of wireless RF sensors to meet the growing concerns of the transportation industry.

Our sensors are already integrated with several telematics systems worldwide. Unprecedented seamless data feed then provides simple connection to harmonise with any telematics or existing in-cab device.

### BeaconRF

This ID beacon 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.

**Seal RF** 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.

**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

TRANSMITTER	BeaconRF	Seal RF	DoorRF	TempRF
Frequency	433MHz / 868MHz	433MHz / 868MHz	433MHz / 868MHz	433MHz / 868MHz
Transmit Interval	1 - 15 minutes			
Operating range	150 - 400 metres LoS			
Operating Temp.	-25°C to +55°C			
Accuracy	N/A	N/A	N/A	± 0.5°C
Antenna	Internal			
Approvals	ETS-300-220 Compliant			
Sealing	IP68 Rated	IP65 Rated	IP65 Rated	IP68 Rated
Standard Battery Life	5-7 years	5-7 years	5-7 years	4-7 years
Lower Power radio	100% EMC Safe			

RECEIVER	Bandwidth	Range	Sensitivity	Antenna	Sealing	Power	Data Rate	Operating Modes	Tx Signal Strength
868MHz	NBFM	400m LoS	-95dBm	Standard SMA or External	IP53	9-30v DC	57k6 baud	8-way internal rotary switch	Yes
433MHz	WBFM	200m LoS	-85dBm		PCB or Enclosure	9-30v DC	19k2 baud	Factory programmed	No