ENVOTECH
NETWORK

seal . track . trace

RadioSecure™ SLx 3.0

RadioSecure™ SLx is a creative innovation for tracking conveyances and assets using active RFID, GPRS and GPS technology. The RadioSecure™ SLx provides security tampering sensor more than a simplistic inspection system, the RadioSecure™ SLx enables shippers, manufacturers, and logistics service providers as well as asset owners to actively monitor the security and integrity of shipments or asset as their goods move through the supply chain.

Economical Tracking

RadioSecure™ SLx 3.0 has new and robust locking mechanism. On top of that, it has UHF Wake-Up option which allows it to go into airplane mode. Very economical battery consumption.

Industry Approvals

- ISO 9001
- IP68
- CE
- FCC
- Intrinsic Safe Certified

RadioSecure™ SLx 3.0

RadioSecure™ SLA 3.0

The RadioSecure SLA is a family member of the RadioSecure range of products with wireless connectivity to the IVM or SLM. RadioSecure SLA periodically reports security status wirelessly to the RadioSecure SLM or RadioSecure IVM which will report via GSM infrastructure to a hosted web base supply chain security and visibility system. In the event of unauthorized unsealing or tampering of the RadioSecure SLA, it will cause the Master to event heartbeat without any time lag.

RadioSecure™ SLL 3.0

The RadioSecure™ SLL is a creative innovation that provide real-time lighting sensing. It is ideal for security tracking if tampering of container occurs without triggering the Master. In the event of unauthorized unsealing or tampering of the RadioSecure™ SLL, it will cause the Master to event heartbeat without any time lag.

RadioSecure™ SLE 3.0

The RadioSecure™ SLE couples with RadioSecure SLM or IVM to provide real-time security, temperature, and humidity sensing. RadioSecure™ SLE is ideal for security and environmental tracking of sensitive and perishable goods such as medical supplies, food and chemical. It enables shippers, manufacturers and logistics service providers and asset owners to actively monitor the security and quality integrity of shipments or asset as their goods move through the supply chain and to take appropriate corrective measures should violation occurs.

Specification

Model Number	RS-SLA-724C RS-SLL RS-SLE	Radio Frequency Cable Security Seal
Physical	L x W x D Standard Cable Length Standard Bolt Length Weight	95mm x68mm x 40mm 50cm 10cm 220gm
Environmental	Temperature Humidity Vibration & Shock Weatherproofing	-20°c to +70°c 95% non-condensing MIL-STD-810-F IP68
Wireless	Frequency Active Transmit Power Rx Sensitivity Range Protocol Air Data Rate Frequency Hopping UHF	ISM 2.4GHz QFSK modulation <18dBm(~100mW) -100dBm 500m L.O.S Proprietary 250kbps FHSS EPC Gen 2 (Add on Option)
Electrical	Battery Active Current Drain Inactive Current Drain	Rechargeable 3.7v,1.2AH Lithium-Polymer 50mA 0.02mA
RF Data	Packet Data	22 bytes per FIFO
Mechanical	Breakload	>1000kgf (cable) >800kgf (Bolt)
Environmental Sensing (Add on Option)	Temperature (RS-SLE) Accuracy Humidity (RS-SLE) Accuracy Luminosity (RS-SLE, RS-SLL)	-20°c to +70°c +/-0.4C 0% - 100% +/-3% <7 Lux = Dark >7 Lux = Bright
Accessories	K-Flex 1.5 Starseal 150	1.5mm cable seal, 300 pc per carton Pull tight plastic seal, 1000 per carton

Features

zero installation cost

Reports Tampering Event immediately to RadioSecure device

break load of >1000kgf

generation of unique sealkey upon every sealing

ATEX certified to be safe for oil and gas industry

Open Hardware architecture design to allow integration of almost any sensor