Seal Lock Environmental (SLE)

The SLE is an Seal Lock Asset (SLA) tag with all of the SLA's security functionality plus the addition of temperature and humidity sensors designed to be used inside your consignment, such as inside a container transporting temperature sensitive goods. The SLE works from inside a container by communicating through the container door's rubber seals where its signal gets picked up by either a Seal Lock Master (SLM) or In-Vehicle Master (IVM) mounted nearby. SLM or IVM devices in turn report SLE status in near real-time back to the Savi Tracking. The SLE is ideal for simultaneous security and environmental tracking of sensitive and perishable goods such as foods, chemicals, medical supplies, and other cargo that demands a controlled shipping environment. It enables shippers, manufacturers, logistics service providers and asset owners the ability to actively monitor the security and designated environmental integrity of shipments or assets as their goods move through the supply chain. In the event of a violation, appropriate corrective measures may be taken – all part of the Value of Knowing™.

Specifications

Envotech Model Number	
RS-SLE-724C	Radio Frequency Cable Security Seal

Physical	
LxWxD	95mm x 68mm x 40mm
Standard Cable Length	50cm
Standard Bolt Length	10cm
Weight	220gm

Environmental	
Temperature	-20°C to +70°C
Humidity	95% non condensing
Vibration and Shock	Designed to meet MIL STD 810
Weatherproofing	Designed to meet IP65 weatherproofing

Wireless	
Frequency	ISM 2.4GHz QFSK modulation
Active Transmit Power	<18dBm (~100mW)
RX Sensitivity	-100dBm
Range	400m L.O.S. (Line of Sight)
Protocol	Proprietary
Air Data Rate	250kbps
Frequency Hopping	FHSS

Electrical	
Battery	Rechargeable 3V, 1.2AH Lithium Polymer
Active Current Drain	<50mA
Inactive Current Drain	<20uA

Seal Lock Environmental (SLE)

The Patent Pending re-useable cable locking mechanism is activated by closing a flip cover and doesn't require a tool to unseal. The flip cover can be secured by one or two conventional pull tight seals (zip tie), and the unit also has an optional light sensor. It is a highly efficient, reliable, low-cost-per-sealing option with a small footprint for sensitive cargo.

Specifications (continued)

RF Data	
Packet Data	32 bytes per FIFO
Mechanical	
Break Load	>1000kgf (cable) >800kgf (bolt)
Environmental Sensing	
Temperature Accuracy Humidity Accuracy	-20°C to +70°C ±0.4°c 0% to 100% ±3%

CONTACT US

To learn more about the full range of Savi's solutions, please contact us at (888) 994-SAVI (7284), info@savi.com or visit www.savi.com.

About Savi

Savi Technology provides enterprises and organizations with unique and critical insight through the Savi Sensor Based Analytics Platform. The platform gives enterprises the ability to access, analyze and learn from new data in ways previously impossible, yielding streamlined operations, enhanced security and dramatically improved enterprise decision-making. Savi is headquartered in Alexandria, VA, with operations in Lexington, KY and around the world. Savi was recently named a 2013 Computerworld Honors Laureate for the economic improvements its technology has provided to several countries in Africa. Savi has more than 100 domestic and foreign issued patents covering a variety of technologies and is an active participant in several industry standards bodies including ISO 18000-7. For more information visit www.savi.com.