# Electronic reusable locks

# Electronic reusable locks

Providing consumers and businesses around the world with the huge variety of products they need would be impossible without modern transport logistics on land, sea and air and, with increasing globalization, the security issues related to all this movement are more and more significant.

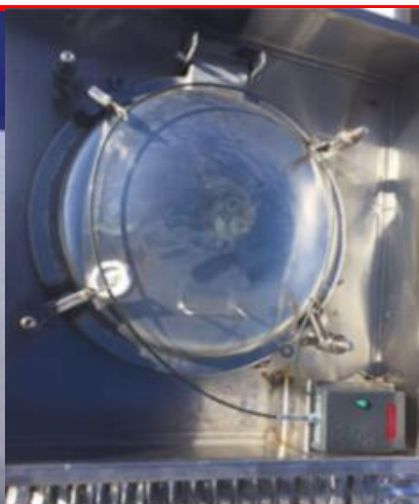Valuable goods must be protected from various threats: theft, accidents, sabotage, robbery.

Experience has shown that operators may alas be responsible for a part of the theft that occurs, which means it is no longer enough to rely on tamper-proof containers and access controls.

**We need an additional level of security**, something that allows you to monitor what is happening across the entire transport chain.

You need electronic seals, able to alert on unauthorized access to goods, assets, or locations.

*E-LOCK STANDARD and SPYLOCK are the latest generation of reusable electronic locks specifically designed for greater security in the supply chain of transport logistics.*

KLM
equipment services

# E-LOCK STANDARD
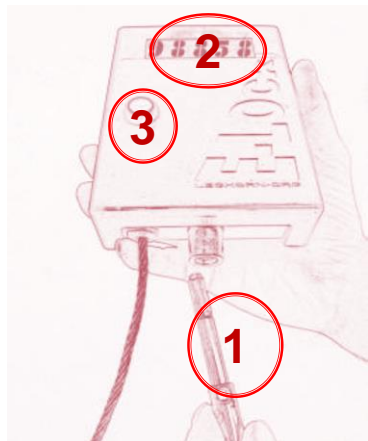## REUSABLE ELECTRONIC LOCK

**#cargosecurity**
**#eseal**

*Simple to use, standalone, battery-powered unit that allows detection of unauthorized access – to goods, assets or locations - through the use of a randomised serial number.*

When **locking the seal**, it automatically generates a unique random number that can be entered in the freight documents.

If the **e-Lock Standard displays the same number on arrival**, it is certain the cargo doors, trolleys or container have not been opened in transit.

A **new unique number is generated each time** the transport has to stop for additional loading or offloading.

E-lock Standard works in a very simple way:

- Each time the pin is pulled out of the plug (1) a random number is generated by the e-Lock (2), which is shown on the display.

- By pushing the front button (3), the previously generated number is recalled on the display.

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- *Rugged housing completely protected from water, dust, salt, dirt and oil. It can withstand severe temperature ranges.*
- *Easy to attach to the back of a truck either by screws or magnets, by using a special metal plate.*
- *Easy to use and requires no maintenance*
- *Long battery lifetime (5000 sealing activities). The battery can be replaced by the user, making the e–Lock Standard a very cost effective solution to prevent goods losses along the supply chain.*

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**www.leghorngroup.it -  info@leghorngroup.com**

ISO 9001

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# E-LOCK STANDARD
## REUSABLE ELECTRONIC LOCK

## SPECIFICATIONS

- Dimension:                 106x156x38 mm
- Weight:                    810 gr
- Fixing:                    4 M6 screws
- Actuator:                  Mechanical life 1.000.000 cycle
- Operative temperature:     -20° C + 50° C
- Storing temperature:       -25° C + 80° C
- Battery:                   Lithium Long life non rechargeable
- Waterproof:                IP 67
- Sealing:                   Special rubber for outdoor use
- Case Material:             Shock-resistant Polycarbonate
- Vibration:                 Vibration resistant
- Display:                   LED 5 Digit - Red - night readable
- Cable pin:                 Inox AISI 316
- Lock plug:                 Plug with spring lock
- Security:                  May be locked with other kind of security seal

### Key Features

- *Robust and easy to use device – No maintenance*

- *Long-lasting battery*

- *Bright 5 digit LED display illuminates for easy reading, even at night*

- *A spring lock holds the plug in place for fast and easy access*

- *Sealing pin has a 4mm hole, capable of insertion of a pull-tight seal or cable seal for additional security.*

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# SPYLOCK
## REUSABLE ELECTRONIC LOCK

**#cargosecurity**
**#eseal**



ELECTRONIC REUSABLE LOCK that

Registers any unauthorised access to goods, either transported or stored (locking, unlocking or alteration). Registered data are device id, type of event, time stamp.

Has long operational autonomy thanks To long life battery, USB rechargeable.

Built-in NFC technology, For operator identification.

You Tube

HTTPS://WWW.YOUTUBE.COM/WATCH?V=F7FTGR7WICE

*SPYLOCK is a reusable electronic lock that combines security to protect goods and ability to monitor their status when transported by trucks, trailers and containers.*

*A decisive step ahead in revealing and recording unauthorised access to goods.*

Specific functions are:

- It records any access to goods: locking, unlocking or tampering (event type, device ID, date and time).

  The audit trail records the last 1,000 events and can be easily exported to various file formats (e.g. MS Excel), by means of a software application that also allows you to fully configure SPYLOCK.

- It has a long operating time due to power with durable battery (USB rechargeable).

- Identification is possible of both the operator and the device.

| | Unique Identification | Events Registration | PC Communication | Report Events/access in real time | Rechargeable Battery via USB | Method of attachment |
|---|---|---|---|---|---|---|
| E-LOCK STANDARD | ✔ | ✘ | ✘ | ✘ | ✘ | Screws or rivets / Magnetic plate |
| SPYLOCK | ✔ | ✔ | ✔ | ✘ | ✔ | Screws or rivets / Magnetic plate |

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# SPYLOCK
## REUSABLE ELECTRONIC LOCK

## SPECIFICATIONS

- Dimensions: 131 x 67 x 35 mm
- Wire standard length: 110 mm
- Wire diameter: 2,5 mm
- Weight: 180 g
- Wire material: Stainless steel
- Device enclosure: ABS
- Industrial protection class: IP65
- Mechanical closure: Closing actuator coupling with spring button
- Operative Temperature: - 20°C / +55 °C
- Storage Temperature: - 20°C / +55 °C
- Display: Backlit White, 32 characters (2 x 16)
- Communication interface: USB 2.0
- Battery: Rechargeable 1100 mAh 3.7V, 1000 sealing activities per charge
- Memory storage: 1000 data record
- Password protection: Software
- Tamper security: Sensor to detect case opening
- Manufacturer Code: UID CODE
- Management Code: Software Code
- RFID: HF NFC Tag

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## LEGHORNGROUP BUSINESS AREAS

**Protection.** LeghornGroup can protect your goods and assets with security seals and various products for tamper protection. The company can create bespoke, technical solutions to meet client's requirements.

**Control.** LeghornGroup ensures goods and people can be monitored using security products and integrated complete hardware and software solutions that allow the operator to monitor and intervene in real time, even remotely.

**Identification.** LeghornGroup's understanding of authentication along with their innovative technical products and solutions allow users to uniquely and securely identify, goods, vehicles, containers, animals and people.

**Tracking.** LeghornGroup's real time GPS tracking devices allow users to monitor location, status and movements of vehicles and people.

*"Always being up to the problem is our ambition.*
*Making the interlocutor understand that her/his problem immediately also becomes our problem, is our natural way of being.*
*This is the key to our success."*

*Luciano Grapsa*
***LeghornGroup*** *President*

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