

E-LOCK

THE ACCESS CONTROL SYSTEM FROM LISTA



e-Lock access control system

Preventing unauthorised access to stored items achieves a marked decrease in inventory shrinkage and leads to considerable cost savings. e-Lock's normal condition is locked and it only opens in response to a handheld transmitter or an existing badge card. Integration with logistics systems is possible.



Hand transmitter

Hand transmitter, frequency 433 MHz, plastic case with membrane keypad, 3.0V battery (CR2032), multiple cabinets may be programmed to respond to the transmitter, using the programming key. They are sequentially numbered.



Individual unlocking

Lista drawer cabinets with e-Lock scm-ia (individual access) can become a part of your inventory management system. Access authorisation can be assigned to individual users in an inventory management system. Authorised users can unlock drawers individually via a PC. A display built into the front of the cabinet indicates which drawer has been unlocked. All other drawers remain locked.

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e-Lock

Electronic locking system that guarantees the increased security and availability demanded by contemporary inventory management.

Systems

There are three distinct e-Lock systems:

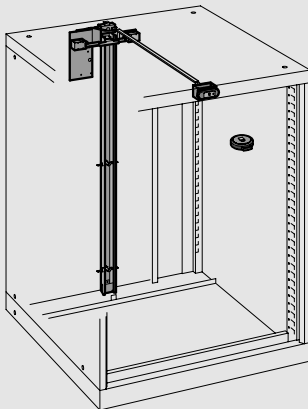
- **BASIC:** Operated using a hand-held radio transmitter
- **CONNECTO pcm1-1:** The CONNECTO pcm-system provides connectivity with new or existing access control systems
- **CONNECTO scm-ia:** CONNECTO scm-ia system allows individual (individual access) drawer unlocking

BASIC

Electronic locking system. Operated using a hand-held radio transmitter. Radio-controlled unlocking. Cabinet locks itself automatically on expiry of an adjustable time interval. Programmable system. Assignable access rights. A LED (Light-emitting diode) indicates locking status. Cabinets may be linked together.

The entry-level system based on encoded radio transmission offers many possibilities:

- Selectable cabinet self-locking on closure of the last drawer
This means that the cabinet defaults to the locked state
- Emergency opening in the event of a power failure
- Freely programmable locking hierarchies
- Locking status indicator and rapid manual locking
- Battery operated, for service and maintenance crews

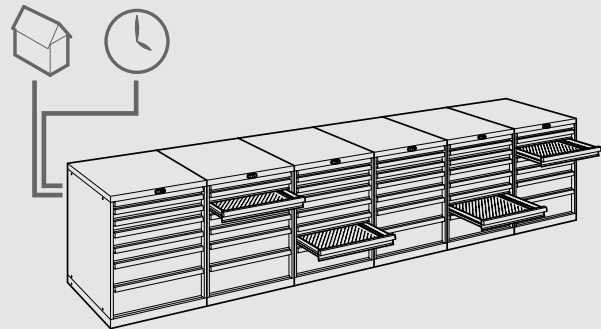


CONNECTO pcm1-1

For connection to existing access control systems. Access rights are granted by the customers system. Connection via pcm1-1 by the customers system vendor. A LED indicates locking status. Cabinets in a CONNECTO system may be linked together (max. 10).

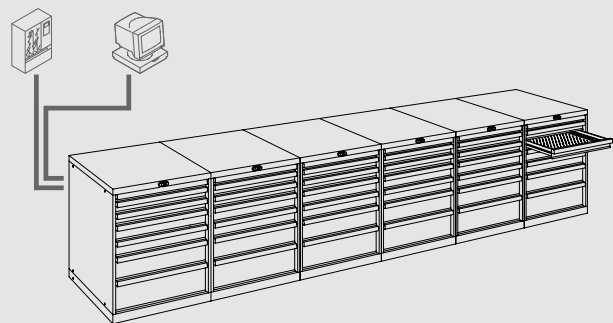
Advantages CONNECTO pcm1-1:

- Selectable cabinet self-locking on closure of the last drawer.
This means that the cabinet defaults to the locked state
- Emergency opening in the event of a power failure
- System status indication via interface
- LED indicator for unlocked cabinet



CONNECTO scm-ia (individual access)

Lista drawer cabinets with e-Lock scm-ia (individual access) can become a part of your inventory management system. Access authorisation can be assigned to individual users in an inventory management system. Authorised users can unlock drawers individually via a PC. A display built into the front of the cabinet indicates which drawer has been unlocked. All other drawers remain locked.



E-LOCK

SYSTEM DESCRIPTION BASIC



e-Lock BASIC

Electronic locking system. Operated using a hand-held radio transmitter. Radio-controlled unlocking. Cabinet locks itself automatically on expiry of an adjustable time interval. Programmable system. Assignable access rights. A LED (Light-emitting diode) indicates locking status. Cabinets may be linked together.

Deliverables: electronics, front-panel housing, locking mechanism installed and ready for use

Operation

- Cabinet unlocking uses a hand-held radio transmitter previously trained to the cabinet.
- A countdown starts each time a drawer is closed. The cabinet automatically re-locks itself at the end of the countdown interval.
- The countdown halts and resets if another drawer is opened during the countdown interval.
- The cabinet automatically locks itself after the last drawer is closed and the pre-set countdown interval has expired.

Programming BASIC

- The programming key has the following functions: training transmitters to cabinets, deleting transmitters from the cabinets list of recognised units, emergency opening in the event of power failure.
- The programming key trains individual cabinets to recognise specific hand-held radio transmitters, thus facilitating the establishment of locking hierarchies.
- A cabinet may be trained to recognise a maximum of 30 transmitters.
- Every transmitter carries a unique code that is stored in the cabinets memory.
- The lock disengages as soon as the programming key is plugged in (provided the cabinet has been trained to recognise it).
- Cabinets can only be trained to recognise a single programming unit!

Mains adapter

- Electrical supply is via a mains adapter.
- Internal voltage 12V.
- One mains adapter can power a maximum of 6 cabinets.

Mains-independent powering (mobil)

- Batteries are maintained by a charger unit.
- Batteries may be permanently connected to the charger unit.
- The system warns of an emptying battery with a loud acoustic alert and blinking front panel LED.
- Cabinets go into "sleep mode" after a prolonged period of inactivity (>2 hours). Pressing the front panel button reactivates the cabinet.
- If the system cannot be restarted, the cabinet needs connecting to the charging unit.

Emergency opening

- The trained programming unit is also an emergency opener in the event of a power failure.

Retrofitting sets

Existing Lista cabinets can be retrofitted with an e-Lock system. For retrofitting the e-Lock system to existing cabinets manufactured from '98 onwards (sticker in cabinet base „01/98“).

Upgrade kits are available for BASIC-Netz only, not BASIC-Akku.

Deliverables: electronics, front-panel housing, locking mechanism and assembly instructions.

E-LOCK

SYSTEM DESCRIPTION CONNECTO PCM1-1

e-Lock CONNECTO pcm1-1

e-Lock CONNECTO provides a connectivity option between e-Lock cabinets and higher-level systems. In contrast to the BASIC system, there is no hand transmitter or programming key. Cabinets open via the on-site access control system (no hand transmitter). Access rights programming takes place in the on-site system (no programming key).

Possibilities with CONNECTO pcm1-1

- Connectivity to an access control system. Customers can thus continue using their existing security system (Legic card, U-key, etc.) to operate Lista e-Lock cabinets as well.
- Connection to a time lock system.
- Access rights are granted by the external system.

Advantages CONNECTO pcm1-1

- Connectivity with a higher-level system
- Interlinking of max. 10 cabinets
- All cabinets unlock in tandem, or in max. 2 groups
- Check-back signal that cabinets have been opened
- Emergency unlocking in the event of power failure

Operation

- The remote system unlocks the cabinet.
- A countdown starts each time a drawer is closed. The cabinet automatically re-locks itself at the end of the countdown interval.
- The countdown halts and resets if another drawer is opened during the countdown interval.
- The cabinet automatically locks itself after the last drawer is closed and the pre-set countdown interval has expired.
- Automatic self-locking can be set on the interface (control unit) – see sticker.

Programming CONNECTO pcm1-1

- Access rights programming is via the external system (on-site).

Mains adapter

- Electrical supply is via a mains adapter.
- Internal voltage 12V.
- One mains adapter can power a maximum of 10 cabinets.

Emergency opening

- The e-Lock Emergency Kit unlocks cabinets in the event of a power failure.

Interface pcm1-1

The interface is housed in a plastic casing. For connections between e-Lock and an external system. Connection to the external system is performed on-site by the vendor, according to the Lista connection schematic. A maximum of 10 cabinets may be connected in a maximum of 2 groups. The pcm1-1 is located externally from the cabinets in a Lista protective housing or other on-site hardware positioned no further than 3 metres away from the cabinets.

E-LOCK

SYSTEM DESCRIPTION CONNECTO SCM-IA



e-Lock CONNECTO scm-ia (individual access)

Lista drawer cabinets with e-Lock scm-ia (individual access) can become a part of your inventory management system. Access authorisation can be assigned to individual users in an inventory management system. Authorised users can unlock drawers individually via a PC. A display built into the front of the cabinet indicates which drawer has been unlocked. All other drawers remain locked.

Possibilities with CONNECTO scm-ia (individual access)

- At the computer, the user can identify the location of the required item.
- The respective drawer can be unlocked from the PC by means of the inventory management software.
- Stock replenishment at the cabinet itself is made possible by a special filling mode.
- Lista drawer cabinets equipped with e-Lock individual access can be integrated into an existing inventory management system.
- Access authorisation can be assigned to individual users in an inventory management system.
- Authorised users can unlock drawers individually via a PC.
- A display built into the front of the cabinet indicates which drawer has been unlocked. All other drawers remain locked.

Operation

- Drawers are individually unlocked by the customer's software.
- Automatic self-locking can be set on the interface (see sticker).
- Cabinet accesses may be logged by software.

Programming CONNECTO scm-ia (individual access)

- Programming uses the company's existing in-house software and the computer.

Mains adapter

- Electrical supply is via a mains adapter.
- Internal voltage 12V.
- One mains adapter can power a maximum of 10 cabinets.

Emergency opening

- The e-Lock Emergency Kit unlocks cabinets in the event of a power failure.

Interface scm-ia (individual access)

The interface is housed in a plastic casing. For connections between e-Lock and an external system. Connection to the external system is performed on-site by the vendor, according to the Lista connection schematic. A maximum of 10 cabinets may be connected in a maximum of 2 groups. The scm-ia is located externally from the cabinets in a Lista protective housing or other on-site hardware positioned no further than 3 metres away from the cabinets.