

**How to change access rights?**

**With an intelligent cylinder!**



# CodeLoxx Dual-Knob Cylinder

## Performance features:

### External knob dimensions

- diameter: 30 mm
- length: 35 mm

### Internal knob dimensions:

- diameter: 33 mm
- length: 45 mm

### Material:

Door knobs in solid stainless steel

### Power supply:

- lithium battery, 100,000 actuations
- emergency power supply possible

### Memory:

511 access authorisations, expandable

### Areas of application:

- doors with standard Euro profile cylinders
- panic locks, approved for freely rotating locking cam
- multiple locking mechanisms

### External operating conditions:

-20 to + 70 °C / IP 44

### Internal operating conditions:

-10 to + 65 °C / IP 44

### Special options:

- clock / calendar function
- logging memory for up to 1,000 events
- 30 week profiles, 6 year profiles
- office function: time-controlled permanent access
- radio link to EMA with 3 metre range
- reader on inside



External power unit PELT



CodeLoxx equipped with key reader



Illustration

## ELECTRONICS REPLACE MECHANICS

CodeLoxx is an electronic dual-knob cylinder with chip key reader. It can be used in all commercially available profile cylinder locks.

The external door knob turns freely and is engaged for a defined period of time when a valid chip key is inserted; during this time the door can be unlocked and opened or locked by turning the knob.

The internal knob is always engaged so that the door can be opened or locked from the inside without having to insert the key.

If required, the external knob can be set for the lock to be continuously unlocked by using the "permanently open" function.

## TAMPERPROOF

CodeLoxx is protected against physical attack or sabotage. Armoured protective elements in the cylinder body offer a high level of resistance to drilling.

The external door knob merely contains the chip key reader. The sensitive components, such as the main electronics and the mechanical elements, are protected inside the internal knob.

The electronics have also been designed to ensure maximum security. Data transmission between chip key and main electronics is effected by encrypted dialogue.

Both the external and the internal door knob are encapsulated to provide water spray protection.

## EASY PROGRAMMING

In small-scale locking systems, CodeLoxx is programmed using one of the keys that the user has designated as the programming key. This programming key is used to validate new chip keys or invalidate existing ones.

Large-scale locking systems are managed via the SECCOR Key Manager.



CodeLoxx equipped with proximity reader

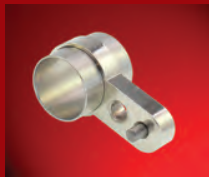
## NON-CONTACT TRANSPONDERS

As an alternative to the chip key, CodeLoxx is also available with proximity readers for the non-contact reading of cards or tags. This has the advantage that any existing transponders can be used as locking media, while retaining all the options of flexible locking plan management that the chip key offers.

## AUTONOMY THANKS TO BATTERY

CodeLoxx is powered by a commercial lithium battery. Effective energy management ensures that up to 100,000 actuations can be effected with one battery. An automatic warning function monitors the battery voltage and signals the need for battery replacement in good time. Operation of the dual-knob cylinder can subsequently be easily restored using the external power input from the PELT unit.

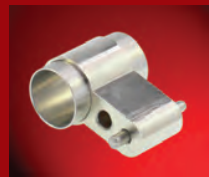
## CodeLoxx Modular Principle



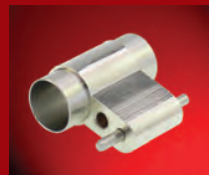
Extension kid 5 mm



Extension kid 10 mm



Extension kid 15 mm



Extension kid 20 mm



Center body



CodeLoxx, side face

### DOOR THICKNESS ADJUSTMENT

Doors vary in thickness. CodeLoxx is the first electronic dual-knob cylinder that is composed of separate modular components and can be adjusted to common door thicknesses on site. SECCOR supplies cylinder modules, which can be assembled in 5 mm increments to provide the desired overall length. For the specialist security retailer, this means a distinct advantage in terms of inventory keeping and enables them to supply individually matched cylinder bodies at short notice.

End users can adapt CodeLoxx easily to new door specifications after a move.

### Extension kids:

Extension kids are available up to a maximum door thickness of 90 mm.

Doors with a thickness higher than 90 mm can be ordered by specifying the door dimensions.

## CodeLoxx Remote



CodeLoxx L-E for external activation



### EXTERNAL ACTIVATION BY RADIO SIGNAL

CodeLoxx is ideally suited for integration into an existing access control system, using the remote interface. A simple relay contact is all that is required for the external encrypted control of CodeLoxx via a 3 metre radio link.

The advantage over a door opener: CodeLoxx will also lock and unlock the door. No additional wiring required.

### Performance features:

#### Dimensions:

Suitable for 55 mm flush-type box

#### Power supply:

Input voltage: 8 - 24 V DC

#### Analogue outputs:

1 x signal relay as changeover **contact**

#### Wireless connection:

ISM band, 868 MHz, 3 metres

## Electronic Cylinder ZL

### Performance features:

#### External dimensions

- height with knob: 41 mm
- width: 32 mm

#### Internal dimensions:

- height with knob: 47,5 mm
- width: 38 mm

#### Material:

cink diecasting

#### Power supply:

- lithium battery, 60,000 actuations
- emergency power supply possible

#### Memory:

511 access authorisations, expandable

#### Areas of application:

- doors with standard Euro profile cylinders
- panic locks

#### External operating conditions:

-20 to + 70 °C / IP 44

#### Internal operating conditions:

-10 to + 65 °C / not condensing



Electronic cylinder ZL installed on a door

The electronic cylinder ZL is suitable particularly for fitting into panic locks.

#### RELIABILITY

Size matters. For best use of space, both electronic and mechanical components are fitted into an internal rosette.

#### BATTERY USE

The battery guarantees perfect operation for up to 60,000 actuations. A commercial lithium battery is used for the purpose. An automatic warning function monitors the battery voltage and signals the need for battery replacement in good time.

#### ARMOURING - YOUR CHOICE

The SECCOR ZL is available in two versions: for interior areas without anti-tampering protection and for external areas with hardened protective elements in the cylinder adapter. In either case, the security-relevant components such as the electronics and the locking mechanism are on the inside of the door.

#### SIMPLE TO INSTALL

The SECCOR ZL is installed without drilling. It can be adapted to virtually all doors and locks, including panic locks and doors with a multiple locking system. Do your doors have a round rosette? No problem! The SECCOR ZL is available with an appropriate face plate.

## Electronic Cabinet Lock

The electronic cabinet lock from SECCOR is ideal for single door cabinets and lockers. It can be operated either with a SECCOR chip key or with a non-contact transponder. When the correct key is inserted, the locking pin is withdrawn by a motorized mechanism, thus allowing the door to be opened.

Programming is performed either via a programming key or via the locking plan administration software 'SECCOR Key Manager'.



Cabinet lock

Key reader

# Electronical Fitting with Keypad

## THE MODERN "OPEN SESAME"

Simply enter your personal code on the keypad (you can choose between 4 and 8 digits) and you are inside your house, your flat or your company with the touch of a finger. You can change the code at any time and you don't need any specialist technical knowledge.



Electronical fitting SLT

But SECCOR offers you a great deal more: You can store several access authorisations at the same time, e.g. one for each member of the family, or for friends and neighbours. As many and for as long as you want, the possibilities are almost infinite ... how about that for convenience?

## AS SECURE AS THE BANK OF ENGLAND

All security-related components are located on the inside of the door protected from the outside by a hardened-steel armoured plate. Burglars don't stand a chance.

## PROGRAMMING IS CHILD'S PLAY

You can program a new code or change or delete an old one in a matter of only ten seconds.

All thanks to the programming key. Simply insert it, enter your desired code and that's it! It couldn't be simpler.



Keypad

## ELEGANT DESIGN

Of course, the SECCOR security fittings are available with a variety of finishes: brass, antique brass, stainless steel, matt nickel-plated or white. Simply choose the colour to match your door.



Finishes

## EASY TO INSTALL

The fittings can be installed quickly and easily you can even do it yourself since SECCOR security fittings fit virtually any door or lock even doors with multiple locking. The incorporated battery means that no door wiring is required. After all, your door should remain as it is.

## ALL THIS THANKS TO THE BATTERY

A commercially available lithium battery ensures smooth operation. For up to 10 years! The incorporated battery monitor indicates when you need to change the battery in plenty of time.

## Performance features:

### External dimensions:

- width: 58 mm
- length: 275 mm

### Internal dimensions:

- width: 62 mm
- length: 275 mm

### Material:

cink diecasting

### Power supply:

- lithium battery, 40,000 actuations
- emergency power supply possible

### Memory:

511 access authorisations, expandable

### Areas of application:

- doors with standard Euro profile cylinders
- multiple locking mechanisms

### External operating conditions:

-20 to + 70 °C / IP 44

### Internal operating conditions:

-10 to + 65 °C / not condensing

### Special options:

- clock / calendar function
- logging memory for up to 1,000 events
- 30 week profiles, 6 year profiles
- office function: time-controlled permanent access
- radio link to EMA with 3 metre range
- reader on inside





## Access Control

### Performance features:

#### Input unit EL:

- dimensions: 56 x 95 x 23 mm (WxLxH)
- material: zinc die-casting
- finish: stainless steel
- reader: chip key
- option: MIFARE/Proximity/HITAG1

#### Input unit ELT:

- dimensions: 58 x 175 x 30 mm (WxLxH)
- material: zinc die-casting
- finish: stainless steel, titanized brass-coloured, matt chrome-plated
- reader: chip key
- keypad to enter access codes
- option: MIFARE/Proximity/HITAG1

#### Control unit SG:

- control of electrical switching functions
- option: with logging of last 1,000 events
- relay as normally closed or normally open contact
- switching period set via potentiometer
- plastic housing: 114 x 50 x 25 mm
- power supply: 9-24 V DC

### INPUT UNITS

SECCOR input units are supplied with a base plate for wall mounting. In conjunction with a SECCOR control unit SG, you can control electronic door openers, motorized locks, lifts, barriers or garage door openers.



Input unit ELT



Input Unit EL

### VERSIONS

The input units are equipped either with a key reader or with key reader and keypad for entering access codes.

In addition, readers are available for MIFARE, Proximity or HITAG1.

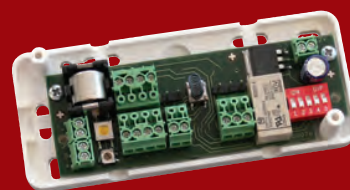


ELT/EL equipped with  
MIFARE-/ Proximity-  
/HITAG1-reader

### CONTROL UNIT SG

The separate control unit SG is mounted in the interior. This guarantees protection against sabotage and the effects of the weather.

The control unit performs the analysis of the chip key data or codes and provides storage of access event data as an option.



Control unit SG

## Locking Media

### Performance features:

#### Chip key:

- colour: black
- contacts: robust stainless steel contacts
- identification: unique identifier
- protection: read and copy protected
- certificate: VdS-tested
- reversible key principle

#### MIFARE/Proximity/HITAG1:

- type: card or key fob
- colour: printed to customer requirement
- identification: unique identifier



Chip-Key



MIFARE- /Proximity- /  
Hitag1- Transponder

### CHIP KEY

The SECCOR chip key is a robust, very reliable locking medium. It is inserted into the key reader making physical contact. It is compatible with the entire SECCOR product portfolio and can be validated for a number of different locking systems.

Thanks to the encryption-based dialogue process and the fact that the chip key has been approved by the VdS (German testing institution for fire protection and security), the chip key is also a popular method of arming burglar alarm systems.

### NON-CONTACT TRANSPONDERS

The passive transponder types Proximity, MIFARE and HITAG1 are standard commercial media in the form of cards or key fobs. They are used extensively in business premises, for instance for time monitoring or access control, and they are supported by the SECCOR locking systems.

# Locking Plan Software

## SIMPLE TO MANAGE

The SECCOR Key Manager organises the assignment of access rights and alarm arming authorisations to personal details. Any number of locking plans can be created.

Each locking plan can store up to 64,000 doors and 64,000 users. And each locking plan can further be protected with a freely selectable password.

You can manage up to 6 different locking day profiles and up to 30 different week profiles per locking plan. You can maintain up to 2 release periods per day in each week profile.

## SIMPLE TO OPERATE

The SECCOR Key Manager offers intuitive and ergonomic user guidance. Access rights are assigned to individual users via drag & drop.

All important functions, such as "Create new locking plan", "Open locking plan", "Create new user" or "Create new door" are identified by clear symbols and permanently displayed in the user interface.

## ALARM ARMING AUTHORISATIONS

The SECCOR Key Manager can manage doors as well as security areas. Via a consistent user interface, access authorisations as well as alarm arming authorisations can thus be assigned and withdrawn as and when required.

## SETS OF DOORS

To simplify management, the individual doors are combined to form sets of doors. Consequently, even large locking installations can be changed and adapted to current requirements with a few clicks of a mouse.

## ACCESS EVENT ANALYSIS

The logging function allows the last 1,000 events of each locking system to be analysed. To comply with data protection legislation, the logging function can be protected with a separate password.

## PRINT FUNCTION

There are various print options available to fulfil all requirements, whether you wish to print out the access rights per user or the users per locking system. A signature list, in which each user confirms receipt of the locking medium, rounds off the print functionality.

## DATA TRANSMISSION

The transfer device serves for the data transmission between management PC and locking systems. It is also required to load the locking media data into the SECCOR Key Manager.

## Performance features:

### System requirements for software:

- Intel Pentium III processor with 500 MHz clock speed
- 128 MB working memory
- 200 MB available hard disk space
- MS Windows 2000 SP6a, XP SP2, Vista, Windows 7
- Java Runtime Environment Version: 1.6
- transmission device 3.3 or higher

### Summer/winter time:

The changeover between summer and winter time can be set 18 months in advance

### Transmission device:

- chip key reader
- realtime clock
- lithium battery set CR P2
- adapter cable for RS232 interface
- option: USB to RS232 adapter
- adapter cable for locking systems
- dimensions: 115 x 72 x 32 mm



Transmission device