

ENGLISH
VERSION

Smart safe locks

LOCK SERIES
SELO



SELO-B
SELO-BR

SECU
Sicherheitsprodukte GmbH



LOCK CLASS AND AREA OF USE:

Electronic locks SELO-B and SELO-BR have been designed to meet the requirements and comply with of VdS class 2(B). The locks are, therefore, suitable for all applications of VdS-approved safes according to European Standard EN 1143-1 up to manipulation resistance level CEN V.

Lock type SELO-BR is of fully redundant design. This means that all internal electronic components controlling the lock functions, for example the cable from the input unit to the lock interior and the printed circuit boards holding the settings of the lock, are duplicated. The advantage of this is that it is always possible to operate the lock using the redundant, i.e. secondary, system and open the safe undamaged by a service technician in the highly unlikely event of a technical fault of the primary system.

SHAPE, DIMENSIONS, SURFACE:

- The lock has a round input unit which has to be turned 180° to open the lock after entering a user code.
- The turning position visually signals the locking status of the lock.
- The lock module has the same mounting dimensions and the same bolt geometry as all other SELO locks. The input unit can be bolted to the outside of the safe door using the same mounting template as, for example, mechanical combination locks. This facilitates replacement of an out dated mechanical combination lock with an up-to-date electronic SELO lock. The simplest way to modernize and upgrade a safe is therefore by retrofitting a new electronic SELO lock!
- The input unit can be supplied with a black or light grey plastic housing or with a high-grade glossy silver metallic varnish finish.

LOCK OPERATION:

- After entering the user code, the lock has to be opened within the next five seconds. Once the five seconds have lapsed, its readiness for opening is automatically blocked. The lock is opened by manually turning the complete input unit. As the operator turns the unit, he or she can exert as much unlocking or locking pressure as required. As soon as the operator senses the counter-pressure produced by the bolt, he or she can interactively respond by increasing the pressure applied to the input unit. The extremely robust design thus makes the locks suitable for „rough handling“ and all but eliminates the risk of operating faults.

POWER SUPPLY:

- All locks have a battery compartment containing three inexpensive, standard LR6 Alkaline (AA) batteries which can be accessed from the outside. As a result of the special energy saving measures incorporated in the lock design, one set of batteries should normally last approximately 3 years. It is not necessary to supply the locks with electricity by means of an external power pack. Locks are supplied with the first set of batteries. To fit new batteries or remove depleted batteries, the input unit can be turned in a comfortable position to facilitate the operation.

- The battery condition is signaled on all lock models. Even if depleted batteries are not replaced for some time, there is no danger of user data being lost



CODE ENTERING PROCEDURE:

- The keypad consists of high-quality keys which are slightly raised and therefore easy to use. In addition to numerical figures, keys are marked with alphanumeric characters to facilitate memorization of number codes or to select an easily remembered word.
- User codes consist of 7 or 8 figures. The lock keeps count of the number of figures being entered and automatically responds after entering the last figure.
- Every successful entry is acknowledged by a visual signal.
- Due to its design the keypad is easily cleaned.

Standard
design SELO-B



Fully redundant lock
variant SELO-BR





The locks can be supplied with one of the following surface finishes



silver



black



light grey

COMMUNICATION:

- The much improved communication between lock and user is one of the main characteristics of this lock series. For our new SELO locks we have used different means of indicating the lock condition and the anticipated next entries indicated by the lock. Communication has been improved to a degree that by far exceeds the extent achieved on high security locks thus far.
- Lock types SELO-B and SELO-BR feature an LCD for four lines of plain-language text messages. It is also used to enter the user's preferred language from among the 12 languages available. Three of the four lines are reserved for the communication between the user and the lock itself. All anticipated entries, instructions, explanations and status messages can be displayed in easily understood fashion in the first three lines of the display unit. Besides indicating the battery condition, the fourth line serves to show the active functions of the input keys positioned below it by means of symbols.

USER AND LOCK FUNCTIONS:

- Lock types SELO-B and SELO-BR are supplied with a 7-digit factory setting. This allows opening of the lock and to enter the programming mode in order to activate further lock functions, e.g. the amount of time of the opening delay.
- If an application calls for further users, each with their own opening code, the administrator can define up to 39 other users after entering the lock in the programming mode. In addition to opening the safe, these additional „normal“ users can alter their own user codes.
- The administrator can assign a different access level and access to different opening time windows for each of the users. He or she can also assign the right to change some of the settings to one or several users, if required.
- All waiting periods are displayed by means of a countdown bar indication. Lock types SELO-B and SELO-BR have a manipulation resistant counter which counts the number of openings and may be called up on the display, as well as their own individual lock ident number.
- On the administrator level, it is possible to delete or alter the user codes of other, „normal“ users even without knowing their codes.
- Whenever the lock is to be provided with an opening delay, the administrator can enter a delay of between 1 and 99 minutes which then applies to all lock users. The delay is activated on first entry of a code. After the lock has signaled the end of the delay, the user can open the lock after entering his code a second time.

Rotary handle for unblocking the lock

Multifunction keys „1“ and „2“ for entering figures and words, and for menu navigation

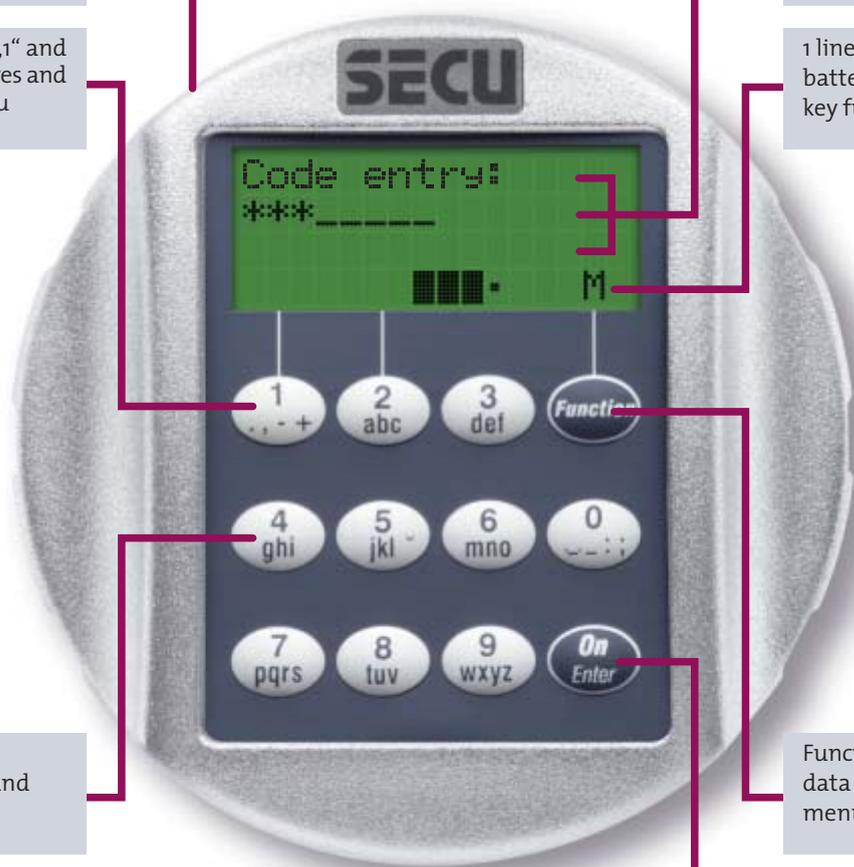
Keys „0“ - „9“ for entering numbers and plain text

3 lines for entering codes and displaying messages

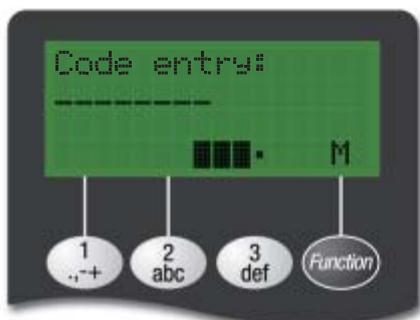
1 line for displaying battery condition and key functions

Function key for correcting data input and selecting menu functions

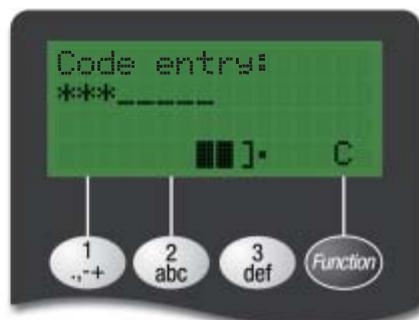
On/Enter-key to switch on the unit, select functions and to set the lock to its starting position



- Battery condition „full“
- Key marked „Function“ to select the desired menu from the setting mode



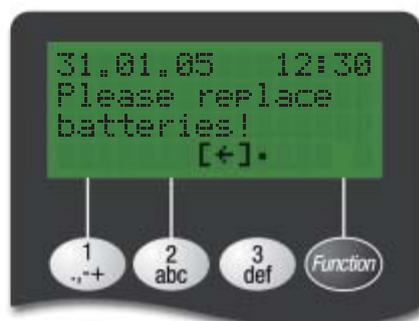
- Battery condition „2/3 full“
- Key marked „Function“ for deleting the figure entered last



- Battery condition „1/3 full“
- Key marked „Function“ to return to next higher menu level
- Keys „1“ and „2“ to navigate through the menu



- Battery condition „almost empty“





Codeeinsabe:
***:_____

■■■■. M

Code entry:
***:_____

■■■■. M

Entrée code:
***:_____

■■■■. M

Zadání kódu:
***:_____

■■■■. M

Kodeindtastnins:
***:_____

■■■■. M

Introd. Código:
***:_____

■■■■. M

Inserim. Codico.
***:_____

■■■■. M

Kód beírása:
***:_____

■■■■. M

Code invoer:
***:_____

■■■■. M

Wpisywanie kodu:
***:_____

■■■■. M

Introd. Código:
***:_____

■■■■. M

Sifre girisi:
***:_____

■■■■. M

FUNCTIONAL AND MANIPULATION SECURITIES:

- Three wrong entries of the user code are interpreted by the lock as a manipulation attempt and prompt it to block all further opening attempts for 5 minutes. Once the forced delay has ended, every additional wrong entry causes the lock to enter into a further 20 minute manipulation blocking delay.
- The electromechanical lock module comprises two separate shock-proof blocking elements.
- The lock bolt offers a high degree of resistance to mechanical back-pressing (> 7 kN).
- An emergency interlocking mechanism on the inside of the lock is activated as soon as the lock shaft is forced inwards as part of an attempt at forceful opening of the lock.
- As the input unit has to be turned 180° to open the lock, the status of the lock can be easily recognized from a distance by the position of the input unit.
- One of the design features of this lock, is that the cable running through the safe door, does not move when the input unit is being turned to open the safe, and therefore does not suffer any flexural strain.

TIME, DATE:

The locks have built-in time and date functions. All time related functions, e.g. opening delay, access timer for defining time windows in connection with lock opening authorization or calendar functions are based on the lock's own accurate internal timer. The change from winter to summer time and vice versa can be set to occur automatically.

LOGGING OF OPERATING EVENTS:

Lock types SELO-B and SELO-BR feature a manipulationproof recorder of the 1000 most recent lock operations showing the exact date and time each took place. For a quick evaluation, the events can be displayed on the LCD in chronological order.

With the optional software the data recordings can be transmitted to any computer.

PROFESSIONAL MODE AND LITE MODE:

The locks leave the factory set to "Professional Mode", which means that all functions are operational. However, it is possible to change the lock to "Lite Mode", if only several of the basic functions are required.

LOCK SETTINGS TO BE EFFECTED BY THE ADMINISTRATOR

General lock settings – valid for all users

Setting the clock

Date

day / month / year

Time

hours / minutes
can be set to automatic
changeover from summer
to winter time

Select length of
numerical code

7 or 8 digits

Setting the time functions

Opening
delay

between 0 and 99 minutes

Access timer A

up to 8 time windows, linked to
particular week days, to be
repeated on a weekly basis

Access timer B

up to 8 time windows, linked to
particular week days, to be
repeated on a weekly basis

Blocked
calendar

up to 13 one-time holidays and
up to 7 permanent holidays (also
periods of more than one day)

Reset of all
time functions

deletion of all blocked
time settings

Code change blocked
for all users

to stop users changing a
code setting effected
by the administrator

Mode change

Professional
mode

all functions available
(factory setting)

Lite
mode

only simple basic functions
are available

Individual lock settings – users 1 through 39

Enter new user

User name

up to 16 characters

User's access
authorisation level

1 = access authorisation alone
1/2 = access only allowed together
with a further person
1/3 = access only allowed together
with two further persons
0 = user's right to open lock
temporarily suspended
ADMI = user has
co-administrator rights

Code input

user's personal numerical code

Monitoring by means
of an access timer

A = settings of timer A
B = settings of timer B
- = lock operation not blocked
by a timer

Input/change user settings

User name

User's access
authorisation level

Code input

Monitoring by means
of an access timer

Delete user

complete removal of a user
without knowing user's valid
numerical code

DATA ALL USERS ARE ALLOWED TO INPUT AND/OR READ OUT ON THE DISPLAY

Change of own secret code (unless this function has been blocked by the administrator)

Select the language of choice from among the 12 available display languages (CZ, D, DK, E, F, GB, H, I, NL, P, PL, TR)

Read out the last 1000 operating events on the display (only administrator)

Read out the lock ident number

Read out the lock type and version

Read out the counter to check the number of lock opening operations

Change-over from standard to back-up system (only on redundant lock model SELO-BR)

SELO-B AND SELO-BR AT A GLANCE

Lock type	SELO-B	SELO-BR
ECB•S - lock class	B	B
EN 1300 - lock class	B	B
VdS - lock class	2	2
Number of locks for safes in resistance grade	1 x up to grade III – 2 x up to grade V	
All-redundant	no	yes
Alphanumerical display, 4 lines	yes	yes
Illuminated display unit	yes	yes
Code entry procedure	num. keys	num. keys
Blocked operation indicated by means of	plain text plus indication of time left	
Battery condition indicated by means of	4 levels, symbol	4 levels, symbol
Date and time	yes	yes
Logging of operating events	last 1000 events	last 1000 events
Indication language	up to 12	up to 12
Number of system administrators	1 but extendable to additional administrators	
Maximum number of users	up to 40	up to 40
Plain text user names	yes	yes
Code length	7 or 8	7 or 8
Opening delay	0 - 99 min.	0 - 99 min.
Access timer with 8 time windows each	2	2
Blocked calendar	yes	yes
Opening by means of two- or three person control	freely selectable	freely selectable
Remote blocking	optional	optional
Silent alarm	optional	optional

A PARTNER YOU CAN TRUST

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