

Smart safe locks

LOCK SERIES

· SELO ·



SELO-A

SECU
Sicherheitsprodukte GmbH



Characteristics and special features of electronic lock SELO-A

Lock class and area of use:

VdS approval Electronic lock type SELO-A was designed to meet VdS-requirements and complies with lock class 1(A). The lock is therefore suitable for all applications of VdS-approved safes according to European Standard EN 1143-1 up to resistance grade II.

Shape, dimensions, surface:

- The lock has a round input unit which has to be turned 180° to unlock the lock after entering the secret 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 This facilitates replacement of an outdated mechanical number combination lock with an up-to-date electronic SELO lock.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:

5 sec. - After entering the secret code, the lock has to be unlocked within the next five seconds. Once the five seconds have lapsed, its readiness for opening is automatically blocked. The lock is unlocked 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 Mignon LR6 Alkaline (AA) batteries which can be accessed from the outside to replace the batteries. As a result of the special energy saving measures incorporated in the lock design, one set of batteries should normally last approximately four years. It is not necessary to supply the locks with electricity by means of a 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 input data being lost.

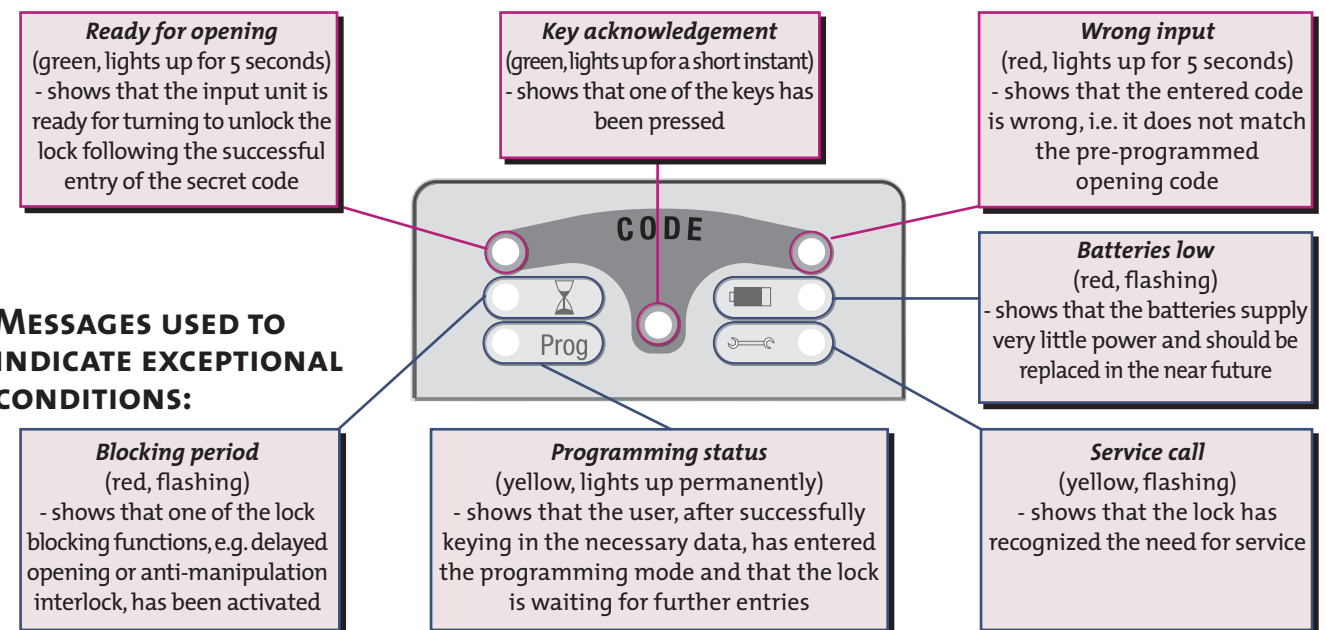
Code entering procedure:

- 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 alphanumerical characters to facilitate memorization of number codes or to select an easily remembered 6-character word for entering by cell phone.
- Secret codes generally consist of 6 figures. The lock keeps count of the number of figures being entered and automatically responds after entering the sixth and last figure. Every input is acknowledged by a visual signal.
- The keypad is easily cleaned.

Communication:

A special feature of this lock series is the much improved communication between lock and user. Electronic lock SELO-A makes use of different visual methods for signaling lock conditions. The display above the keypad consists of seven differently colored LED. Of these seven, three serve as acknowledgement and demand elements for normal operation of the lock; we have set these apart in a differently colored zone. The remaining four LED can be used to signal different "exceptional conditions". We have provided each LED with an explanatory symbol placed next to it. This means that whenever the lock enters an "exceptional condition", e.g. batteries depleted, the symbol will save the user having to consult the operation manual to check what the message means.

POSSIBLE MESSAGES DURING NORMAL OPERATION:



MESSAGES USED TO INDICATE EXCEPTIONAL CONDITIONS:

USER AND LOCK FUNCTIONS:

- Lock type SELO-A is supplied with a 6-digit factory setting which has to be changed to a secret number code by the user. He is authorized to open the lock and, in the function of a system administrator, is able 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 eight other users after entering the lock in the programming mode. In addition to opening the safe, these additional "normal" users can alter their own secret codes.
- On the administrator level, it is possible to delete or alter the secrets codes of other, "normal" users even without knowing their secret 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 secret code. After the lock has signaled the end of the delay, the user can unlock the lock after entering his secret code a second time.

FUNCTIONAL AND MANIPULATION SECURITIES:

- Three wrong entries of the secret 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.
- On the design selected for this lock, the keypad cable of the lock version with 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.



SELO-A at a glance

VdS - lock class	Number of locks for safes in resistance grade	Display unit indicating symbols	Code entry procedure	Blocked operation indicated by means of	Battery condition indicated by means of
1 (A)	1 x up to grade II	7 LED	numerical keys	LED plus symbol	LED plus symbol
Number of system administrator codes	Total number of user codes	Length of secret code	Opening delay	Unlocking operation	Mounting
1	maximum 9	6 figures	0 - 99 mins.	manual	standard dimensions



light grey



silver



black

A PARTNER YOU CAN TRUST

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