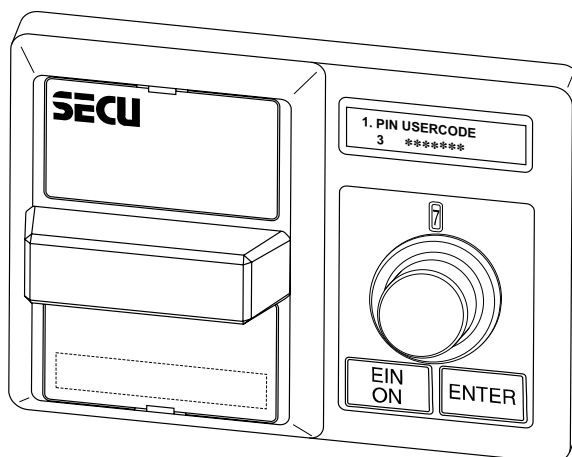


# Electronic lock E6500

## für applications in banks

Electronic lock E6500 is based on the proven E6000 model, rated to the highest security performance levels of VdS Class 3(C) and F+P Class C, and BSI-approved. The lock combines the features of the E6000 model with a number of special features and operation sequences that are mainly used in banks. A further innovation is the 40-digit LCD which allows the lock to communicate in plain-text language with the user. On the plain-text display the user receives the necessary instructions to operate the lock as well as information about certain lock modes.



### Special features:

- *40-digit alphanumeric plain-text LCD plus acoustic alarm signals*
- *integrated quartz-controlled real time and date indication. A radio-controlled clock can be installed for increased ease of use, if required.*
- *integrated entry recorder of the last 500 operations*
- *up to 10 user terminals, 2 of which with master functions*
- *each user has his own PIN-code as well as a variable 6-digit access code.*
- *when the authorized user changes the code, the lock recognizes trivial numerical code sequences such as 345678 or 444444, and rejects these unacceptable combinations.*
- *all lock opening operations and changes of settings can only be performed after two users enter the combination independently.*
- *the lock can evaluate a remote enable signal from an alarm unit to serve as a "third user". Besides the normal mode, the alarm unit also signals an alarm situation to the lock and thereby triggers a longer than normal opening delay.*
- *in the normal mode, entering of the two access codes will result in an entering delay of 10 secs. The alarm mode prolongs this delay to 10 mins.*
- *The blocked entry status is displayed graphically and in form of a numerical indication of the waiting time left.*
- *The blocking time completed, the 8-digit secret combination known only to the authorized users can be entered to open the lock.*
- *The programming mode for changing of the lock settings can only be entered by keying in the two 8-digit master codes (to be followed by the remote enable signal from the alarm unit); for safety's sake, this is only possible with the door unblocked (door position indicating switch).*
- *In the programming mode, access authorizations and codes can be blocked, assigned and changed, the time and date can be altered, and the recorded data can be read out.*
- *In the protected programming mode, it is possible to page through the recorded operations either on the display of the lock itself or, with the help of a special computer software supplied with the lock, onto the harddisk of an additional computer via a serial interface, where they can be analyzed in situ or sent to a printer.*

The electronic lock consists of an external operating panel and an internal lock module which houses the lock control electronics and a connecting module for making external connections and connection of the data recorder. The current is supplied by a plug-type power supply unit. In the event of a power failure, the power supply is maintained from outside by standard batteries.

The operating panel to be mounted on the outside of the safe or strongroom has a dial for entering the access and opening codes. To select the code numbers, you can turn it in either direction and it can be turned several times, if required. The dial is neither marked nor notched to make it decidedly more difficult to spy on the entered code optically or acoustically. Each code number entered lights up and can be viewed in a small window, invisible to others. The switching and activating functions are selected via a high-quality, easy to clean, membrane keypad provided for entering of the numerical code. The keypad is suitable for more than 1 million keying operations. Through mechanical pressure points, the user gets a tactile check-back signal. The operating panel also houses the batteries which take over the power supply in the event of a power failure. It further has a convenient handle for manual deblocking of the lock. Apart from the visual messages on the LCD, the user is also assisted by a number of signal tones. If desired, we can adorn the operating panel with your company logo.

To gain access to the safe, 2 persons have to enter their user PINs and personal 6-digit combinations within a predefined period. Following the remote enable signal from the alarm unit, the users have to wait for a certain data entering delay to lapse, visualized on the display. After the waiting time, the users can key in the secret combination consisting of 8 numbers only known to them. This completed, the electro-mechanical lock module enables the mechanical opening of the lock. The lock can now be opened absolutely fail-safe by manually turning the opening mechanism.

By separating the external operating panel from the electro-mechanical lock module and the system

electronics mounted on the inside of the safe or strongroom, we have succeeded in realizing a very high level of security, while at the same time ensuring an equally high degree of user friendliness. All security-related components are located inside the safe or strongroom. Highly sophisticated mechanical lock components combined with state-of-the-art electronic controls account for the extremely high degree of manipulation security of these locks.

The stored data are not lost in the event of a power failure. Despite this feature, all security-relevant data are stored twice in the electronic control.

The system is permanently checked for internal problems; each time the self-examination feature detects a fault, it defines it and calls in the service department, if necessary.

The components are easy to mount, the electro-mechanical lock module has standard mounting dimensions. All parts of the locking systems have been designed for an extremely long service life.