



High-security locking technology of its finest with fully redundant operation.

PAXOS[®] *compact*

Paxos[®] compact means reliability at the highest level.

Tried and tested a thousand times over.

On the market since 1988, Paxos system and the new version Paxos compact today provide security for a multitude of applications in sites throughout Europe: in gold vaults and vaults of national banks, in automatic teller machines, securities repositories, banknote printing plants, jewelry repositories, stamp museums, etc. In several hundred million operating hours, the systems have achieved virtually 100% reliability.

Maximum security via system redundancy.

For the most demanding security applications it is necessary to design redundant systems for failure critical operations. Nowadays, this principle is used wherever maximum availability is required: from satellite engineering to locking technology. However, full system redundancy means much more than double security. In the case of redundant units, the unlikely chance that two independent systems will fail at the same time produces a quantum leap in availability. A double system design also means very far-reaching fault detection and forced repair. Paxos compact statistically achieves an operating life of 15 million hours until total system failure. This increases the availability by a factor of 500; redundant systems without fault detection and forced repair only attain a factor of 1.5.



Since daily operation also has to be maintained in the case of a malfunction, it is critical how a redundant system behaves when a fault occurs. When a fault is detected, Paxos compact

automatically switches to the redundant system part, while the locking system can still be opened without the intervention of the operator or service personnel.

Paxos[®] compact is a smart investment in a smart system.

Trouble free integration.

Based on the standard lock housing Paxos compact will accommodate a variety of bolt-throws through adjustable settings. Paxos compact can be installed in practically every safe – even retrospectively. Existing safes can be updated to the state-of-the-art locking technology by economical retrofitting.

Simple and yet versatile to use.

Paxos compact is a fully redundant motor-bolt lock that can be supplied from battery, mains, or emergency power (UPS). Due to the ingenious miniaturization, the redundant drive and electronics units are located in the small standard housing. Both keypad and dialing-knob versions use only one type of lock and this offers considerable advantages.

Paxos compact optimizes the operational reliability. Extremely simple code input and code change are part of this, as are automatic locking and code scrambling, a remote-control authorization enable and disable, duress alarm, opening delay, time limitation of the unlocking period, locking-period program, and much more.

Far-reaching event logging.

In Paxos compact, several hundred events are automatically and powerfailure protected stored in chronological order. This ensures the complete logging of all events even over very long time periods. In addition, there is an on-line interface available for local and external recording/monitoring of the events.

A dozen dialog languages can be selected.

Users with different native languages profit from the fact that the dialog language can be changed at the input unit. German, French, and English user guides are permanently integrated. A fourth can be optionally selected from a dozen available languages.

Trouble free alarm integration.

The electronics of Paxos compact provides optimum conditions for the connection and the integration of the lock and the alarm control unit. Alarms are processed by Paxos compact in a differentiated way. The following can be distinguished:

- Duress alarm
- Bolt-open alarm
- Tamper alarm

A remote authorization control allows to enable or disable the operation of the locking system. In this way, for example, the access to valuables can be

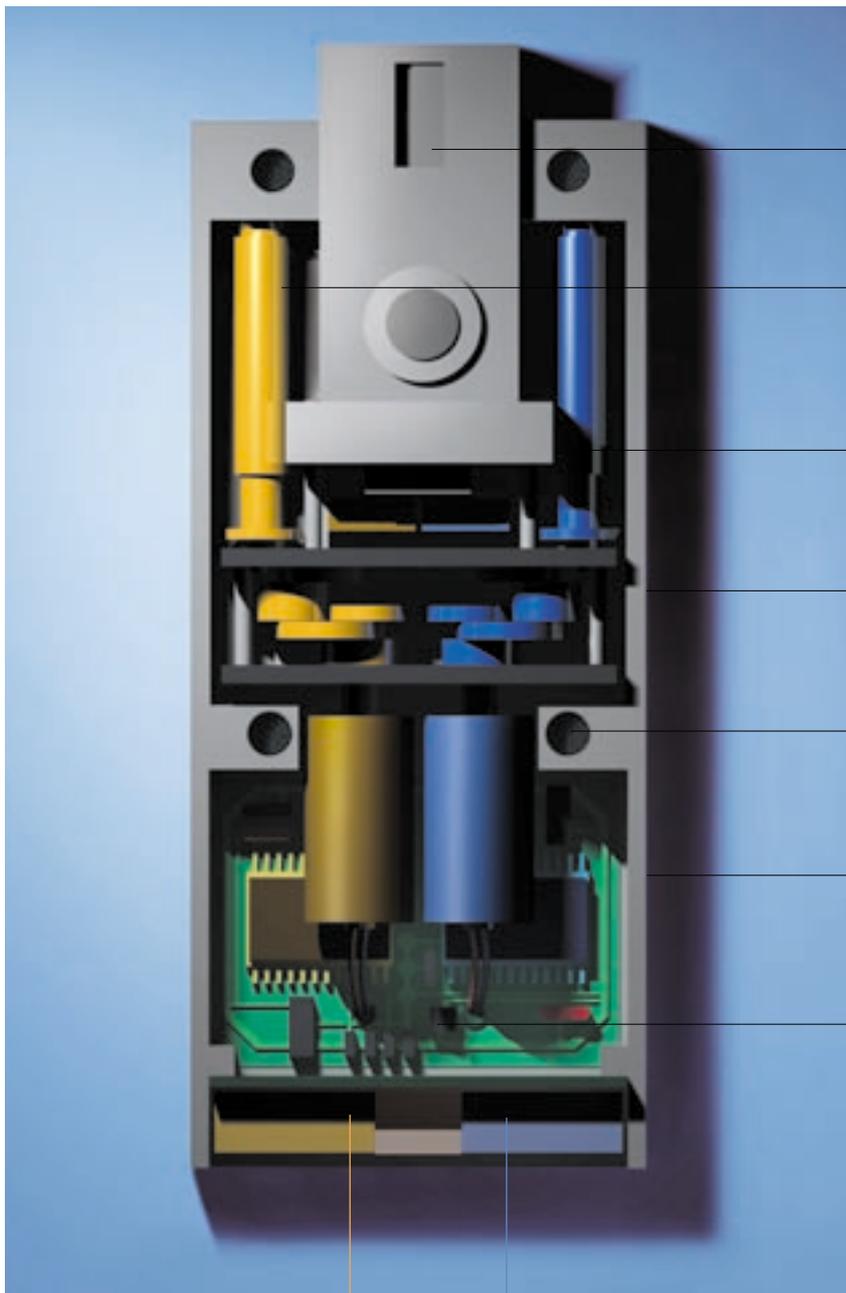
blocked at a particular branch from a security center. The incoming line is monitored by Paxos compact, so that all attempts at tampering leads to the blocking of authorization and the triggering of a tamper alarm.

Maximum security thanks to Legic technology.

The physical identification needed for arming/disarming a higher-level control unit is provided by contactless, bugging-proof Legic Smart Card. This offers numerous advantages, such as the possibility of different, independent applications on one and the same badge, the integration of access control and thanks to proximity technology they are resistant to pollution and electrostatic discharge.



Paxos[®] compact combines full system redundancy with trouble free flexibility.



Electronic motor-bolt lock Paxos compact.

Adjustable bolt-throw

Fully redundant power bolt
drive, patented

Maintenance-free mechanics

Compatible with all common
lock types

Standard mounting hole pattern

Integrated drilling protection

Fully redundant, integrated lock
electronics

All security-relevant components
are fully redundant.

Paxos® compact offers the function and flexibility of four locks in one.

Optimum flexibility.

Paxos compact combines four main functions and thus four locks in one product:

- Code lock
- Time lock
- Double lock
- Switching unit



can be assigned to each lock. Additional hierarchy levels – in addition to the master code, a time code and a mutation code are available for each lock – and the 4-, 6- or 8-eyes principle offers flexible organizational solutions with maximum security.

Switching unit.

With the Switching Unit VdS option, Paxos compact can be used for arming/disarming a higher-level control unit, (such as an intruder detection system). With Paxos compact, the physical identification needed for arming/disarming is provided by the Contactless Legic Smart



tertime changeover. Opening delays can be specified for normal operation and/or for operation under duress with silent alarm triggering. Furthermore, an acoustic alarm can be set to limit the time of the released lock. Additional identification after the initial opening delay and partial locking are also featured.

Code lock.

The code lock can be operated either with keypad input or dialing-knob input. The dialing-knob input works with a random initial code setting and an LED display with a restricted angle of visibility. It is therefore suitable for maximum security requirements.

Time lock.

The time lock has numerous pre-programmable possibilities. Weekly locking period blocks, dated and scheduled locking periods, recurring yearly locking periods, summertime and win-

Double lock.

Paxos compact is designed as a double-lock system. Operation with one lock as well as with two separate locks is possible. Several opening authorizations



Card. They are available in an inconspicuous form (chip card, bracelet, watch, keychain pendant, etc) for security of use.

Paxos® compact meets all your needs at all times.

| Identification system | Locking system | Time and blocking functions | Alarm and control functions |
|---------------------------------------------------------------------------------|------------------------|-----------------------------|-----------------------------|
| Code input and parameter setting with keypad | One-lock system | Opening delays | Alarm functions |
| Code input and parameter setting with dialing-knob | Two-lock system | Locking periods | Logging |
| Material, contactless proximity identification medium | Bolt-position contacts | Authorization disabling | Switching unit |
| Key switch or contactless card reader | Door-position contacts | Locking-period interruption | Blocking element |
| 3 rd party-identification, e.g. access control and biometric systems | | Event time | |

Options can be retrofitted

VdS (EN) approvals:

- Electronic high-security lock class 2 (level B) for safes
- Electronic high-security lock class 3 (level C) for safes
- Electronic high-security lock class 4 (level D) for safes
- Blocking element with lock monitoring for intruder detection systems of class C
- Switching unit for intruder detection systems of class C

Approvals included in the above authorization:

- Blocking element with lock monitoring for intruder detection systems of class C
- Locking period switch clock for intruder detection systems of class C
- Duress alarm triggering via input unit for intruder detection systems of class C
- Possibility of emergency opening during active locking period for intruder detection systems of class C
- Mnemonic identification feature for disarming an intruder detection system of class C in combination with a material identification medium and time control

Additional certifications:

- Classification acc. ENV 1300
- QA certification acc. to ISO 9001
- CE testing
- BAKOM/OFCOM approved
- CETECOM approval