



Gunnebo KelNet-DS

Certified, electronic high-security
locking system for safes, vaults and doors

Challenges concerning the administration of locks

Inefficient processes caused by locks which require manual operations in their administration can lead to immense processing costs. Previous electronic locks and even IP locks, that are currently used in banks, retail and many other facilities cannot fulfil the high demands for efficiency and adaptability while also ensuring maximum security. This may be tolerable for smaller businesses but becomes much more of a concern for larger organisations that have branch structures.

Efforts for administration increases with:

1. the quantity of users
2. the quantity of current and future locks in use
3. the need for a flexible deployment of staff
4. the size of the geographic area to be covered
5. and the requirements of a tamper-proof business.

KelNet-DS – the “distributed system” for state-of-the-art lock logistics

For many businesses around the world, there are certain risks associated with the access to confidential documents, cash or other valuables. With the electronic high-security locking system KelNet-DS, Gunnebo has developed a solution, which fully meets these challenges.

Whether it is to be used in retail, where KelNet-DS needs to be accessible to various users with a minimal administrative effort; for cash-in-transit companies that require a comfortable code management and easy route planning; or for the use in banks that have to coordinate a network of electronic high-security locks – KelNet-DS offers a choice of unique and relevant functions and the possibility to adapt to any existing security profile.

KelNet-DS stands for maximum security and flexibility of use without any need for an on-site administration. The lock system's central management and validation process

leads to a noticeable optimisation of processing costs.

KelNet-DS's unique process for the regulation compliant opening of secure storage units, (such as vaults, safes and strong rooms) without a decentralised storage of data and settings in the lock (such as opening hours, PIN, etc.) has for the first time been certified by the neutral certification body for physical security products ECB•S as a “distributed system” in accordance with EN 1300 and up to the highest lock class D. By this, KelNet-DS is the only lock to receive this certification, worldwide.



KelNet-DS's uniqueness has been recognised by a panel of 14 independent experts from the security sector who have nominated it for the Security Innovation Award 2018.

Patented new procedure

KelNet-DS is the first electronic high-security locking system worldwide that has been certified at the highest possible security level for data communication, plus being able to outsource the process of authorisation check-ups to a central software application. In this, it is not required that the lock itself stores any information about users, PIN codes or potential opening hours.

KelNet-DS offers far more than a conventional IP lock

The user starts their online opening request at the KelNet-DS lock by entering their ID. The central software platform, SafeControl Manager, then immediately checks whether the user is authorised to open the lock at this particular time. If this is the case, the management software automatically generates an online certificate that is only valid for this specific user and transfers the certificate to the requesting lock. The user then enters a personal PIN, the one-time certificate is activated and the lock opens.

The entire administration of all locks, users and authorisation processes is controlled centrally.

The authorisation check-up is executed via a fully automatized process. Thereby any changes in the authorisation do not have to be manually sent to the lock, but take effect immediately.

Even in comparison to the current one-time code (OTC) procedure, there are clear advantages. With KelNet-DS, no OTC has to be sent to authorised staff, who then would have to enter the codes manually. This leads to major time savings and a higher security standard. So far, no other product has received a comparably high standard of security certification.

The benefits of KelNet-DS increase with:



Quantity of
users



Quantity of
current and future
locks



Need for
flexible staff
deployment



Size of the
geographic area
to be covered



Requirements of
a tamper-proof
business

Typical users:

- Banks and financial institutions, cash processing centres and cash-in-transit companies (CIT)
- Retail businesses
- Offices, service personnel
- Government authorities, Ministries of Defence



SafeControl Manager – the central element of the system

The modern web front-end platform **SafeControl Manager** is the base for KelNet-DS's management, administration and control. The application is designed to be modular, future-proof and is a safe investment. Furthermore, it can be made compatible with previous versions such as the "SafeControl Lock" via a simple upgrade, so it is also of interest to existing Gunnebo customers. The software has been developed so that all previous Gunnebo locks, such as the one-time code locks, SafeLock One, SafeLock GSL and SafeLock Pro, as well as IP locks, can be administered and controlled by it. All centrally applied changes can be released using various hierarchy levels. Only then they take effect and get logged. SafeControlManager is a

multi-client application, which means that roles that are linked to different rights can be defined and assigned to different users, user groups and lock groups (regions). This enables a maximum flexibility in staff deployment via a simple, process-optimised, central administration. With SafeControl Manager, any number of locks in a network can be linked and controlled.

Tamper-proofing – always up-to-date thanks to real-time protocols

All aspects of administration, such as adding or deleting users, or setting user rights and lock parameters, are managed centrally and applied in real time. Consequently, audit trails for each high-security lock are centrally retrievable and security administrators can check the status of each individual lock, or the entire authorisation structure in real time in order to quickly recognise security-related or administrative issues and, to significantly reduce reaction times.

In order to provide a better control, usage logs that locally register and record any events for all linked KelNet-DS locks are accessible through the software.

The gapless monitoring and the creation of protocols of all centralised and decentralised processes provide a tamper-proof opening system for certified secure storage units. This combines highest security with a very high and unique convenience in the opening and administering the locks.

The biggest advantage of KelNet-DS is that all linked locks can be operated site-independently via the SafeControl Manager application. This provides administrators with the best possible control over their locks or lock networks and allows for immediate implementation of changes.

Offline version

As an entry option or in the event of a network failure, KelNet-DS also offers all functions of an offline lock. It can be used as a standalone device, as an offline lock with set users and/or one-time codes, or as part of an entire lock network. If a complete lock concept is not immediately required, KelNet is a lock that also works perfectly in mixed operation or as a conventional lock system, can be expanded at any time and thus offers investment security as well as greatest security.

KelNet-DS's new unique code principle provides extra security by generating a new "digital keyboard" for every opening procedure.

Additionally, due to its special inclination angle, the screen can only be seen by the person standing directly in front of the lock. Thanks to this innovative privacy shield concept, PIN entry is both confidential and simplified.

KelNet-DS's offline version offers a choice of 16 language settings for a worldwide accessibility. Additionally, up to 99 individual set users can be registered and biometric fingerprints can be saved for up to 25 users.

All the advantages of KelNet-DS at a glance

Online certificates

Secure one-time online certificates conveniently provide users with the desired flexibility when administering access to service technicians or cash-in-transit personnel via encrypted and certified transmission – without the need for mobile technology for the distribution and administration of OTCs.

Diversity in every area of application

Businesses change and so do their security requirements. With a modular structure, KelNet-DS high-security locks can easily be linked to form a larger lock network or can be integrated into an existing security infrastructure.

Maximum ease of administration and operation

One-time set-up – flexible use – centralised control

Maximum security

Unique, dual opening process (centralised/local) without PIN transmission and remote opening. KelNet-DS is the first high-security locking system worldwide that has been certified by ECB•S as a "distributed system" in accordance with EN 1300 and up to the highest lock class D.



Want to see KelNet-DS
in full action?
Scan this QR code with
your smartphone.
Or search for "KelNet-DS"
on YouTube.

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