

doorLoxx® Digital Locking Systems

Online & Offline Access Control





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The doorLoxx digital locking system makes it significantly easier and cost-effective to change from a conventional master key locking system with mechanical keys to an electronic access control system. Installation is very straightforward, no doors are damaged. There is no need for time consuming and expensive cable installation.

The digital locking components are battery operated and exchange data wirelessly. The digital locking components

are available in a variety of formats, for example cylinder and Digital Handle. Our portfolio includes an updaters, controllers and online readers, which link the locking components to the system. Full scalability makes it possible to operate a system without PC software as equally as with Commander Connect, which offers all the performance characteristics of professional access control systems.

Easy installation, full functionality

Benefits at a glance



Long battery life

The energy management system (patent pending) allows a battery life of 5 years with as many as 60,000 activations. That reduces lifetime running costs.



No cables

No cables need to be run to the door, because the digital locking components communicate via "deister Cardnet" and wirelessly.



Adaptable on site

It is possible to adapt the installation length of the digital cylinder on site. Spacer washers can be used to vary the length.



All inclusive

A high precision quartz crystal clock to ensure perfect time control as well as a long range radio module are standard in all reader heads.



Future-proof

The reader technology and mechatronics are separated from one another. That means the reader technology can be replaced at any time.



Made in Germany

All products are made in Germany. Their function and quality are developed, produced and tested to the highest standards.

Digital Locking Components

The right solution for all doors

The doorLoxx portfolio of digital locking components covers a variety of formats to offer the right solution for all doors and applications.

All digital locking components are based on the same technical concept with the mechanics being separated from the reading technology. The electronics for the reading technology are contained in a reading head which is the same in all locking components and can easily be exchanged. That

way it is possible to keep the system up-to-date and secure. The battery life is the same for all digital locking components and lasts for 5 years with 60,000 activations or a standby of 10 years or 100.000 activations in a shorter timeframe. All digital locking components are equipped with our radio connection airLink. This can be used for the heart beat feature or to download the events and online management the access rights in all locking components.

DCN (deister Cardnet)

Offline system with online features

The deister Cardnet concept stores access rights, time profiles and calendar profiles on the user's credential. This ensures the offline locking components are secure regardless of the size of the system and the number of users. The core deister Cardnet components are the update readers and update stations. These are installed at key positions such as at building

entry points, which in turn are connected to the system either by cable or airLink. The user must update the time stamp of their credential at that point of entry every day, before being granted access to the doors for a period of time. With the update, the time stamp is renewed on the transponder and access rights can also be changed.



airLink

Energy saving wireless technology

airLink is the deister wireless standard designed to integrate digital locking components and an updater into a system by means of wireless transmissions. Sophisticated energy management ensures very little drain on the battery. This allows the digital locking components to regularly exchange data, receive new access rights and transmit their own access log to the system. At the same time all data is secured by a powerful 128 bit AES encryption.

It is possible to achieve ranges up to 30m indoors, and as much as 100m outdoors.



Reading Technologies

Flexible & future-proof

Our digital locking system supports all popular reading technologies as well as passive and active transponders. Since the reading technology is installed separately in the cap, it is possible to change the technology quickly and easily without changing the mechanics at any time.



Digital Cylinder

The universal solution for every door

The digital cylinder is installed in precisely the same manner as a mechanical cylinder in just a few simple steps. Each basic cylinder body type can be adapted to allow up to 16 different length combinations.

The base cylinder lengths are available in 5 different lengths as well as a half cylinder; it is possible to adapt lengths with the use of profiled spacers when installing. That means it is possible to realize lengths from 30/30 to 45/75 in 5 mm steps using multiple profiled spacers.

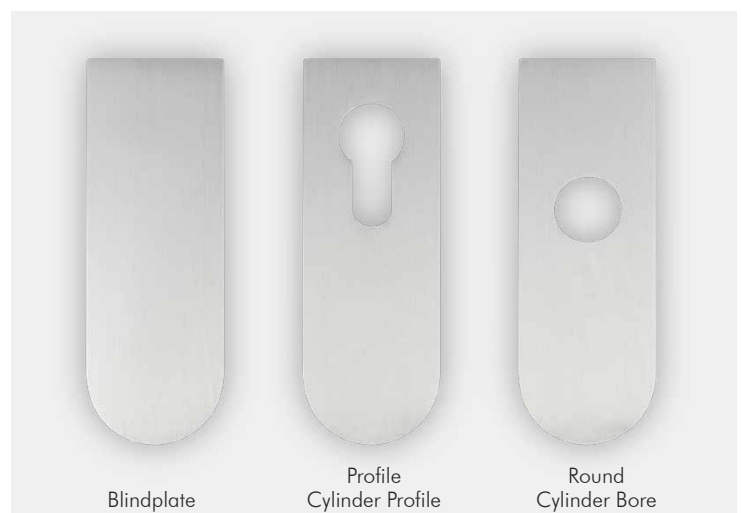


Digital Handle

The all-rounder with different handle shapes

The slim and straightforward design of the Digital Handle ensures it will grace any door. Four different models are available to choose from, depending on the form of the handle. When during installation it is possible to make use of the same drilled holes which are used for conventional fittings.

The cover plate facilitates parallel usage of the existing cylinder to reliably lock the door or to elegantly cover the cylinder opening. The exchangeable cover plate makes it possible to adapt the installation to doors with different distances between the handle and cylinder.



Digital Lock

Security meets design

The digital lock is developed for self-locking locks and combines security with an attractive minimalistic design. It seamlessly integrates with the design of the door handle to maximize freedom of shape and colour. The digital lock offers more security because even if damaged or forcefully removed there is no access to the mechanics of the locking mechanisms which are inside the door. Upon request a traditional cylinder can also be installed to allow emergency mechanical override. This is then covered by an extended version of the read head which can be removed to allow access to the key mechanical override with no compromise to security.



Digital Strike

Online and offline combined

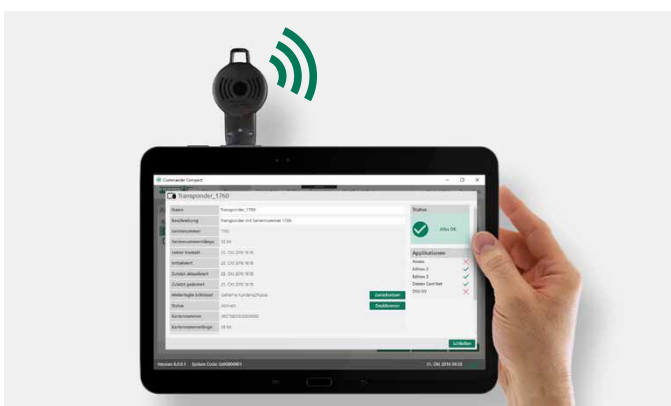
The digital strike offers the same door control and door monitoring functionality as an online access control with all the benefits of an offline system. It has two inputs and outputs that can control the door alarm or door contact. It is powered by a local power supply and can be flush-mounted. A card reader from the deister product family can be selected and is located on the outside of the door.

The connection to the access control system is carried out cost effectively over deister Cardnet. For online data communication, airLink can be used if required.



Commander Compact

The comfortable configuration software



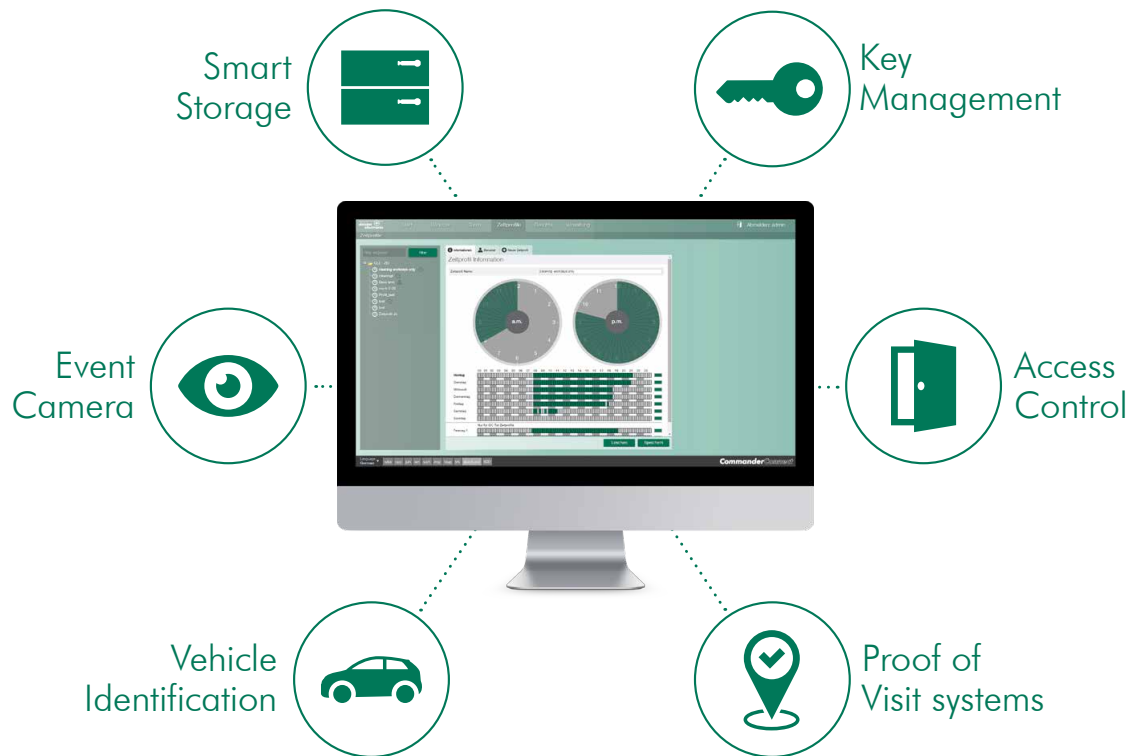
The Commander Compact is an easy to use software to install and manage small to medium sized systems. In addition, it is the service tool of all systems which use airLink. In a few steps without any complicated infrastructure, the software is installed and ready for operation within a few minutes.

All devices in the system are configured via the airLink radio interface using the airLink USB Stick that comes with the Commander Compact. The airLink USB Stick is simply plug-and-play and has a range of up to 35m indoors.

An airLink command card activates communication with the Commander Compact at the reading head. The read head contained in the USB stick is also used to read the system specific crypto key card.

Commander Connect

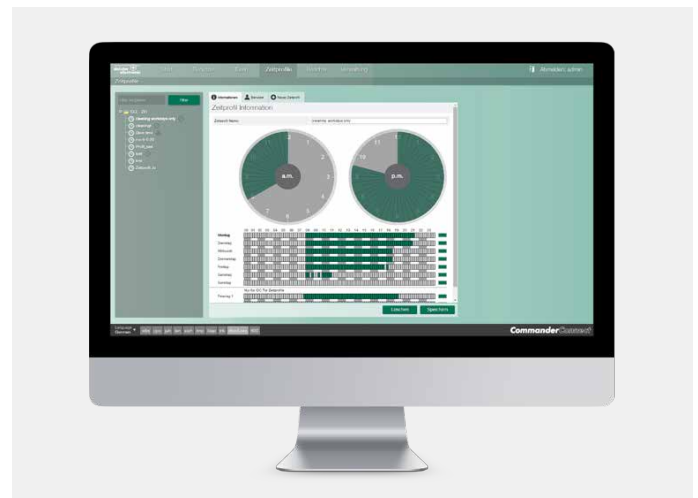
Configuration, control and reporting



With the Commander Connect software all deister systems can be centrally managed and configured. Information is collected centrally and can be called up at any time. The output of individually configured reports takes the form of e-mail, print file or export to different file formats.

The assignment of user rights and application-related functions can be done with just a few clicks.

The client-server architecture allows site-dependent operation via the web browser and minimizes hardware requirements and costs. The connection to third-party systems is made via web services or customer-specific interfaces, which allows the Commander Connect to be optimally integrated.



About deister electronic

deister electronic is an innovative, family owned global business with 40 years experience in developing electronic and mechanical products for security and industrial automation. Widely acclaimed for our expertise and specialist implementation of RFID technology within practical applications, from Key Management and access control to logistics and process control.

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