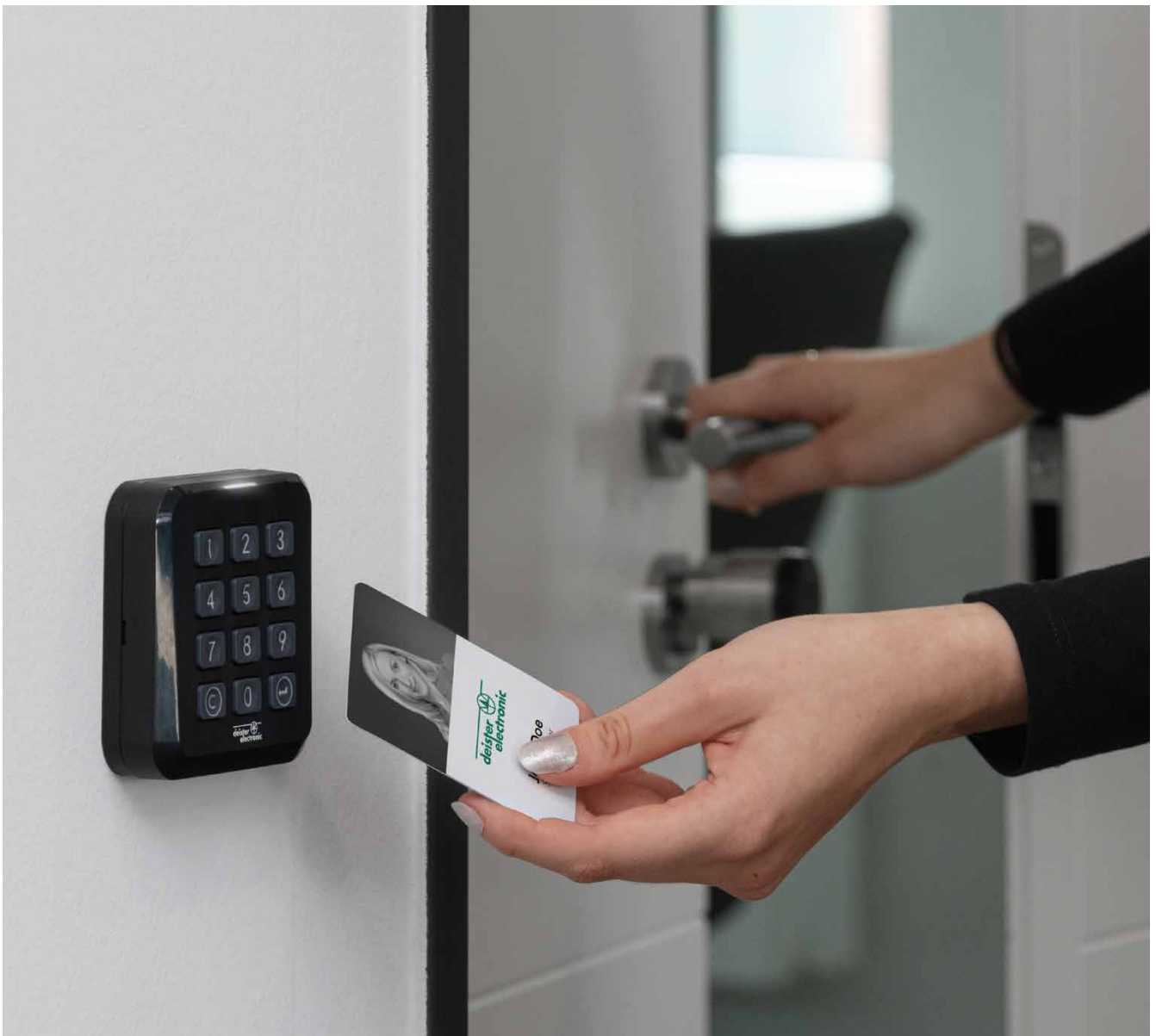


proxEntry[®] Access Control

Advanced Physical Access Control Readers and Credentials





proxEntry® Access Control

Proven history of secure solutions

deister were an early pioneer of developing and manufacturing proximity access control cards and readers. 30 years ago we invented the technology that allowed blank cards to be programmed on demand, we were the first to deploy card programmers to many of the access control manufacturers and one of the first companies to offer secure proximity access cards that overcame copy attacks of that

time. Today, we are independent of any card technology or access control system and globally supply advanced secure readers that are capable of not only reading many different card technologies at the same time but connecting to a wide range of access control systems – The ability to reconfigure many of our readers to suit customers changing requirements provides outstanding long term value.

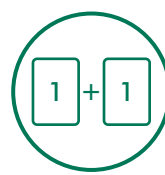
Safe, flexible, reliable

Benefits at a glance



Individuality for optimal use

Many functions as well as optical and acoustical signals can be configured. The exterior can also be designed in colour and design using a chameleon cover.



Multi-technology readers

Different cards, different access control systems - all in one reader. Transition to secure system with ease.



Ready for the future

The ability to upload software to our readers to suit customers changing requirements provides unbeatable long term value.



Class leading support

No matter what the size of your project you can be assured of receiving the very best technical and project support.



Global installation

Readers are designed to be installed on many types of global electrical boxes. Adapter plates and covers are available to meet country specific requirements allowing a single reader for international organisations.



Made in Germany

All products are “Made in Germany” and are developed, produced and tested to the highest standards of functionality and quality.

Card and Reader Vulnerabilities

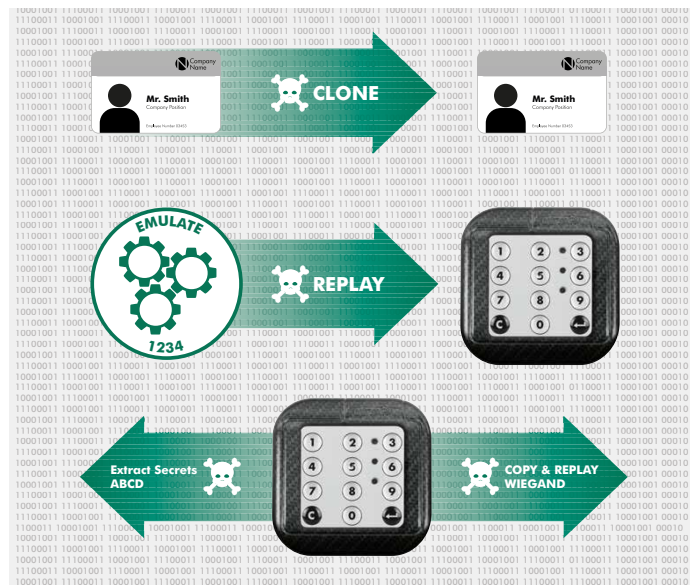
Some cards can be compromised easily, could yours?

Many access control systems are simple to circumvent due to the weakness of either the card technology or the reader. Many proximity cards in use today can be easily cloned or made to become any number. Some of the older 125Khz technologies can be copied in a few seconds and even blank cards can be made to any employee's ID card.

Even an encrypted system may not be secure due to poor management of sensitive keys, inadequate encryption algorithms, or design weaknesses.

The way keys are stored and the connection to the access control system all play their part, Wiegand for example is widely in use today and is vulnerable to simple attacks.

To address these issues deister provide a number of solutions that will meet with your security needs.

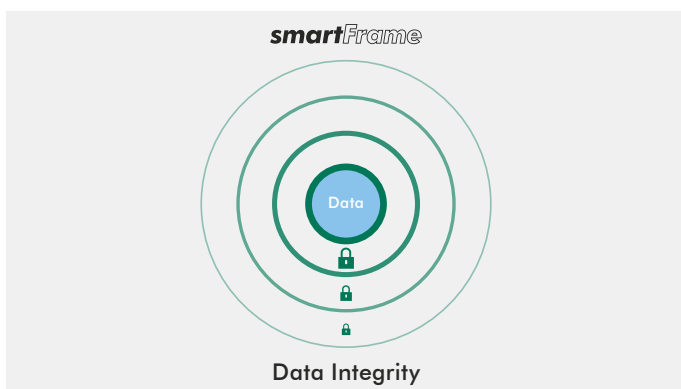


secureProx

Encryption keys are the key to use modern secure cards securely

secureProx™ is a secure identity solution which addresses a number of security and management issues between cards, readers and access control systems. secureProx™ has been developed using standards based card and encryption technologies. The security protection layers start with smartFrame, the encoding method of the card.

An end user can take control of the card supply and purchase from the open market and create their own set of unique encryption keys unknown to anyone. With secureProx™ you are the one in control with a trusted secure ecosystem that you can rely on.



OSDP

Open supervised device protocol

When a security system is being replaced or updated, readers with an OSDP interface provide better future proofing and can improve security between the reader and the panel over that of traditional Wiegand which is vulnerable to simple attacks. Where the access control panel does not currently support OSDP, deister's OSDP readers also allow backward compatibility with Wiegand until such time that the access

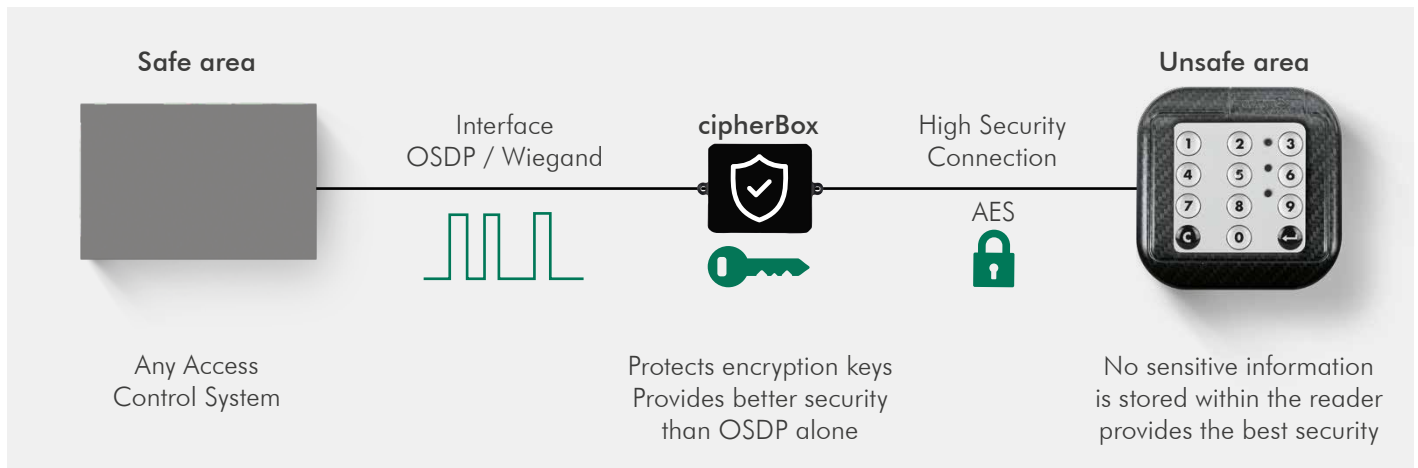
control system is upgraded to support OSDP at which time the readers can be configured and connected to use OSDP. Where high security is required deister's cipherbox should be used. Typically only exposed readers need data encryption on the wires, that is why cipherBox provides excellent value in securing a system.

cipherBox

Protecting encryption keys

cipherBox is a device that sits between any access control panel and the reader. It provides the very best reader security obtainable by removing the need to store any sensitive encryption keys in the reader and securing the connection to the reader. cipherBox is recommended for all critical areas, especially public areas on the perimeter of a building. Should a reader be removed by a potential hacker there will be no

sensitive information in the reader that they could extract to start an attack. cipherBox is designed to be compatible with most access control systems supporting OSDP, Wiegand and other common interfaces. It is also can be used with panels that don't support OSDP to remove the vulnerable Wiegand connection to the reader.



PRx Series Readers

Readers and keypad readers

A proven and trusted range of readers available with or without a keypad. A reader classic that has evolved to read a wide range of different card technologies. Available with interchangeable covers and suitable for either surface or flush mounting.

Many readers are firmware updatable to add card technologies, new features or to keep up to date with the latest developments, such as OSDP, mifare DESFire EV2 and secureProx.

Reader for Physical Access Control

Portfolio



PRx 6 EU



PRx 5 EU



KPx 5 UK



PRx 4



KPx 6 US



PRx 5 US



KPx 5 EU



KPx 2



PRx 2



Open Platform

Smart Reader Design, compatible with old and new systems

Technology will continue to evolve, so the migration of existing technology and also the transition to the new technology is and will always be a key challenge of an Access Control System. Take advantage of the sophisticated concept of deister readers. Our open architecture supports:

- ✔ All major communication protocols
- ✔ 3rd party credentials
- ✔ All major reading technologies



Cards, Tokens and Credentials

Programmed and blank

A complete range of proximity and secure smart card credentials available as either key fob tokens or cards. As an independent manufacturer we offer credentials in a wide range of technologies including multiple technologies in the same device.

Credentials can be supplied encoded to your requirements or supplied blank for encoding on one of our card programming stations.



Programmiers & Desktop Reader

Card encoding and encryption key management

USB Desktop devices designed for on-site programming of cards and tokens or available for use as a keywedge reader allowing cards to be read directly into software by emulating keyboard strokes. A range of different programmers are available for different card technologies, including encryption key management as well as high security programmers with SAM for improved protection of encryption keys.



Upgrading Card Technology

It doesn't need to be painful

As RFID specialists we have in-depth experience with all major card technologies that allows us to provide impartial help and advice to installers and end users on your specific requirements. We can assist with the smooth transition of vulnerable systems to secure reader and card technologies regardless of the access control system or cards being used. Whether the goal is to move to a single card on different access control systems, or to read different cards on the same access control systems - we have a flexible and cost effective long term solution.



Complete Access Control

Solutions for all your access control requirements



Key Management

Every business has keys. A key management system can control who can have access to keys using the same common card or token used for physical access control system. A key management system can be integrated to other systems.



Wireless Locking

Where hardwiring is not a cost effective option, wireless locking cylinders and smart door handles allow for fast deployment. With deister you can mix online and offline access control into one seamless system.



Vehicle Access Control

A fast and reliable long-range identification solution automatically identifies both drivers and vehicles in any weather condition.



Biometric

deister designed and manufactured fingerprint biometric readers for access control and time and attendance. Solutions for template on card and different card technologies. Compatible with most access control systems.



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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