

Offline meets online in complete locking system – access control with minimal operating costs



Our most used offline readers:
EvoLock® & SensoLock®



FLEXAIR® ACCESS CONTROL SYSTEM WITH OFFLINE READERS

The brain of the access control system is an Alpha central that, along with the Nova software, controls the readers located by the doors.

Offline readers can provide exactly the same functions as online readers, while minimizing the operating costs, cabling and component replacement at the same time. The ideal system for fulfilling your needs largely depends on the building, number of doors and the way you wish to manage your system.

But rest assured the future is offline – making FlexAir® the optimal overall solution for needs – now and in the future...



FlexAir® is unique, because the same platform is used for all solutions – large and small – which provides great economic benefits. FlexAir® also stands out, because no server is needed which minimizes the risk of server breakdowns.



READ MORE ABOUT
OUR OFFLINE SYSTEM
AND READERS ON THE
NEXT PAGES...

Cost-effective FlexAir®

Eliminate the cost of a server

As the software behind FlexAir® runs on the Alpha central, the costly installation of a server is eliminated.
All backup runs automatically and a permanent system computer is redundant, because FlexAir® is web-based. This minimizes the risk of system breakdowns and secures a high degree of reliability and continuity through FlexAir®.



No wiring – low maintenance

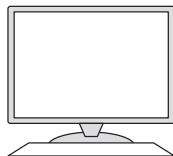
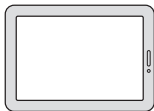
Traditional access control systems require the installation of electronic locks and cables on all doors in the system.

Using offline readers, you only need to replace a few door components.

Therefore, you will save up to 50% on installation costs and eliminate the cost for maintaining a traditional mechanical locking system.

How does it work....

Nova software



INDIRECT CONNECTION

FlexAir® controls the offline doors by giving the specific access card/tag a valid period of time whenever it is held in front of an online reader (1) which ensures:

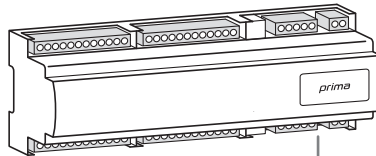
- validation of the user card/tag
- update of access rights

VALIDATION METHOD

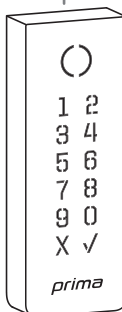
Offline readers (2) validate the tag/card before the door is unlocked, which means that the readers are only active in the moment they are used. This provides:

- long battery life
- a reliable way to control the offline doors

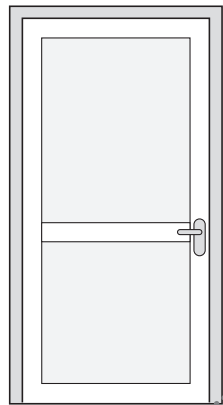
Alpha central



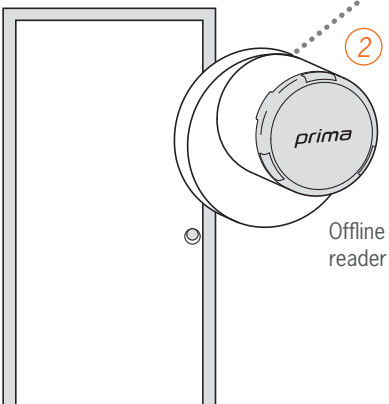
Online reader



1



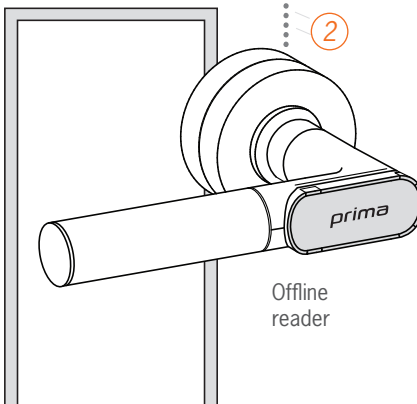
2



Offline reader



2



Offline reader

Combine locking systems with versatile FlexAir®

Each user is set up in the system and granted individual access rights, i.e. a predefined specification of the doors to which the user has access and the time period when the access is granted.

Access rights can be granted to individuals or groups – making it easier to manage many users at the same time.



Effective combinations

Choosing between online -, offline - and stand-alone readers can be difficult, but it does not have to be. Actually, you can easily have all 3 types in the same system, making it possible to combine different locking systems.

FlexAir® is based on an open platform, which enables you to expand and optimize your system by adding more centrals and readers or upgrade the software if the need arises.

Therefore FlexAir® is an affordable reliable solution – now and in the future.

ONLINE READERS

Communication: connected directly to central

Administration: Nova software

Often used: primary doors, high security doors, high traffic doors etc.

OFFLINE READERS

Communication: connected to central indirectly through online reader and user cards containing access rights.

Administration: Nova software

Often used for: secondary doors

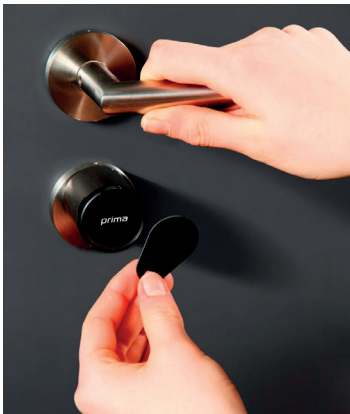
STAND-ALONE READERS

Communication: not connected to any central

Administration: done locally using programming cards

Often used: private doors

No more keys...use the tag



SensoLock® and EvoLock® are unlocked by holding a tag/card in front of the reader. If access right is valid the door will be unlocked easily and quickly without having to use traditional keys.

Both readers are equipped with BST (Battery Saving Technology), which ensures a battery service life of up to four years. Installation is simple as both our offline readers can be installed in DIN and standard Scandinavian lock cases and for the last-mentioned no meshing in doors or frames is necessary.

The door installation does not require special tools or technical know-how. Since the door construction on Scandinavian doors does not need to be modified, SensoLock® and EvoLock® can be used on emergency exit doors, as they do not affect the functionality of exit doors.



SENSOLOCK®

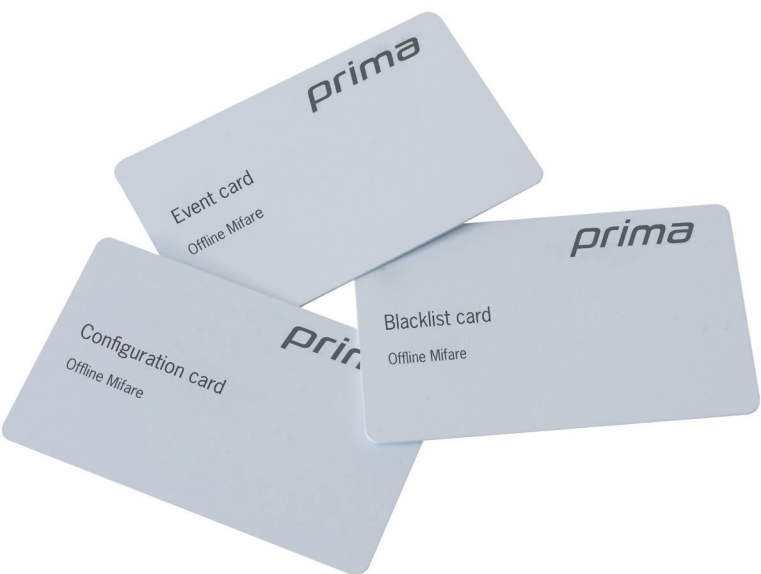
is an electronic lock cylinder installed in the door lock case instead of an ordinary lock cylinder. SensoLock® unlocks the door when an access tag/card is held in front of the reader – if access is permitted, a green light will illuminate and the user will be able to turn the electronic knob and open the door.

EVOLOCK®

is an electronic battery-operated key plate installed on the outside of the door. By holding an access tag/card in front of the reader, the lock and door will open when the handle is pushed down.

Read more about SensoLock® & EvoLock® on the next pages...

Configuration, software & security



SIMPLE CONFIGURATION – WHO, WHAT, WHERE & WHEN

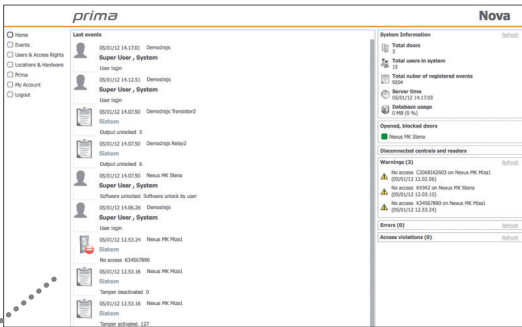
The SensoLock® and EvoLock® offline readers are easily configured using configuration cards. No special basic know-how is required for this as the administrator is guided by the Nova software. Use the event card if a list of the events on the offline reader is required.

The set of cards also includes a blacklist card, which should be used if you wish to delete an offline-door user before the user's valid time period expires. This time period can be adjusted in the Nova software, which provides a high level of flexibility.

DYNAMIC NOVA SOFTWARE

The calendar, time schedules and door status are useful features of the Nova software as they provide fast verification of access rights to “who, what, where and when”.

Offline readers are operated like all other doors in the system and have all the functions available in the Nova software, enabling you to set the priorities.



TIGHTER SECURITY AND OVERVIEW

Traditional access control systems save an event list to enable the administrator to monitor the users of a specific door.

Offline doors provide the same option, because an event log of tags/cards used is stored in the door terminal.

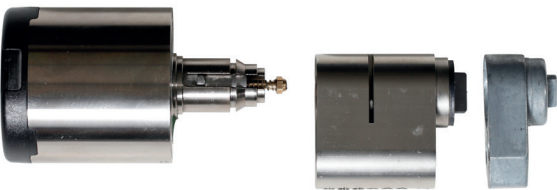
The event card can be used to read out the event log to a computer. Therefore, the misuse or disposal of an access tag/card will not prevent you from having a complete overview of all events. The events can also be returned back to the system by the users themselves.

Both options provide a higher level of security compared to a mechanical key system and provides nearly the same level of security as an online door.

SensoLock® – Round, smart & secure. Both indoors and outdoors.

Smart all the way round

SensoLock® is a fully electronically battery-operated cylinder lock. It is easy to unlock the door with an electronic access tag/card instead of having to rummage one's pockets for traditional keys. Moreover, you can be certain that no one has access using stolen or lost keys, as you can easily delete or change access rights via the Nova software with the configuration cards.



Year-round security

The size, design and versatility of SensoLock® make it a secure ideal solution for almost all door types and thicknesses. SensoLock® is available in two types: IP55 for indoor use and IP66 for outdoor use, the latter of which is protection-classified as completely dustproof and waterproof. This ensures long-lasting durability, both indoors and outdoors. Both types work in exactly the same way and therefore can be used in the same system.



SensoLock® is the ideal solution for apartment doors with high tenant turnover and the resulting higher risk of lost keys. SensoLock® enables tenants or superintendents to delete or create new tags/cards, if one is lost.



In order to meet different designs and styles, SensoLock® is available with a variety of different outer casings such as brass, bronze, anthracite, aubergine and gold finishes.



Vandal-resistant SensoLock®

For use in high-crime areas, the SensoLock® can be further protected by a solid stainless steel rosette around the SensoLock®- knob.

Seamless integration & safeguarded against unauthorized copying

Tags/cards are copy-protected due to the encrypted communication between the electronic lock and the tag/card.

FlexAir® is a highly flexible system that enables seamless integration with other existing systems or other technologies such as MIFARE.



SensoLock® has a standby mode, which extends the battery life compared to traditional offline readers. The standby mode can be configured in the Nova software.

ACCESS TAGS/CARDS

Both types of SensoLock® are available with non-touch MIFARE or Prox access tags/cards:

Prox
Read-only function
Used for online and stand-alone readers

MIFARE
Read/write function
Used for online, offline and stand-alone readers

EvoLock® – an elegant handle with an integrated MIFARE reader

A compact and sleek solution

EvoLock® is a smart and elegant offline handle with an integrated MIFARE reader for electronic control of doors. Quick and easy access is granted by holding a pre-programmed access tag and/or card in front of the reader. The design is sleek, elegant, and at the same time, EvoLock® is highly resilient and thus offers a secure and popular solution for doors in areas with high traffic.



EvoLock® fits well into modern homes and businesses, and grants quick access to apartment doors, offices, hotel rooms etc.

A resilient and user-friendly reader

The EvoLock® handle has been designed in order to offer a minimalistic and modern design, which at the same time includes all necessary functions within a minimum amount of space inside of the handle.

All electronics, mechanical parts, LED signal and adapter are integrated within the minimal space of the handle, which creates a neat and complete solution. EvoLock® is suited for indoor installation and it can be delivered with a handle facing right or left.



ACCESS IS GRANTED BY THE USE OF ACCESS TAGS/CARDS

By holding an access-card/key tag in front of the reader, the locking-mechanism is released, and the door opens when the handle is pushed down. When scanning an access tag/card, the integrated LED signal in the handle's reader will light up in green or red, indicating that the access rights of the tag/card has either been accepted or declined. It is possible to program the access tags/cards and assign to which doors, and possibly, during what time-periods, the residents or employees should have access to the doors with their tag/card.



THE BENEFITS OFFERED BY THE OFFLINE EVOLOCK®

- Delivered with a handle facing right or left
- It is prepared for Scandinavian doors or DIN profile-cylinders
- Delivered with a escutcheon plate – optional
- Manufactured in stainless steel
- Integrated LED signal in the handle's reader
- Quick installation without cables and special tools
- Optional automatic time control of opening/locking doors
- Optional toggle function



Swift and simple installation – reuse existing parts

MANY INSTALLATION OPTIONS WITH SENSOLOCK®

SensoLock® knobs can be clicked into different types of cylinder houses that are selected according to need and type of lock case. SensoLock® is available for DIN profile cylinders and different types of Scandinavian cylinders. All that is required for the installation of SensoLock® is to replace the mechanical cylinder with a cylinder house for SensoLock®.

- Simple installation regardless of door thickness or cylinder
- Easy replacement of existing cylinder casing
- Re-use of existing lock case, fittings and extension sections
- The entire process takes about five minutes

BATTERY REPLACEMENT from the outside

SensoLock® batteries are replaced from the outside using a “battery replacement card” and the accompanying special tool. Replacing the battery can easily be done by any card/tag owner, as it does not require special know-how or disassembly of the cylinder casing.

SensoLock® is installed in the door lock case with the option of installing an ordinary fastener or another SensoLock® on the interior surface of the door.



EVOLOCK® FOR:

Oval Scandinavian cylinders

EvoLock® for oval Scandinavian cylinders is installed on the door through the existing holes in the lock case. This enables you to avoid having to drill holes since the through-going bolts are used for the interior installation.

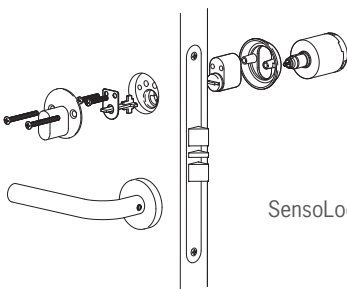
EvoLock® is per standard delivered with a mounted door spindle (length 86/107/128 mm) and adapter ring.

DIN profile cylinders

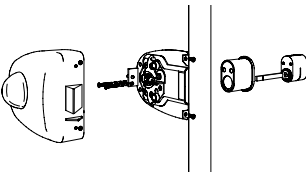
EvoLock® for doors with DIN profile cylinders consists of the exterior EvoLock® handle with a rosette and a fixed-mounted spindle. EvoLock® is placed inside the hole of the handle, on the exterior of the door, and is fixed with an interior rosette and mounting-screws through the door. Afterwards, the rosette-cover and the door-handle are mounted, and finally the battery is inserted.

SENSOLOCK® VERSIONS:

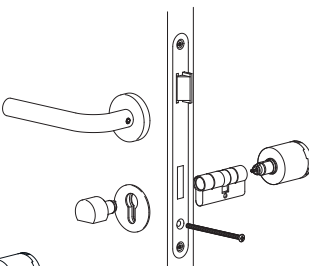
SensoLock® - oval version



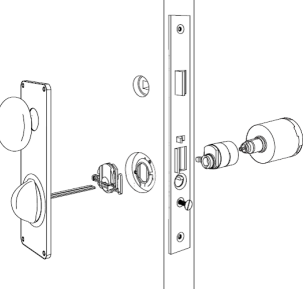
SensoLock® - boxlock version



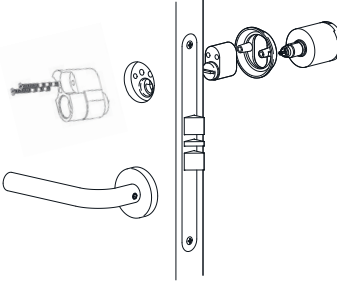
SensoLock® - DIN version



SensoLock® - round version

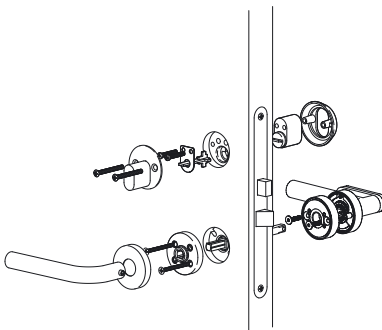


SensoLock® - rokoko version

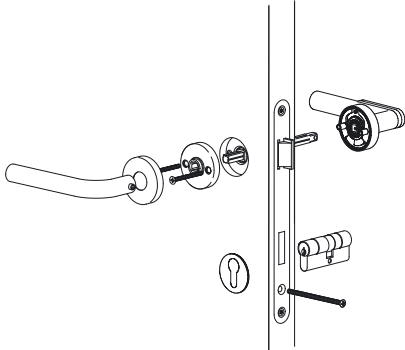


EVOLOCK® VERSIONS:

EvoLock® - oval version



EvoLock® - DIN version



Other offline security needs – other secure solutions



Prima padlock with SensoLock®: an electronic, reusable padlock that is easily reprogrammed or reset. The padlock is a reliable, cost-effective solution for locking sheds, gates, containers and construction sites.

OFFLINE READERS – FOR EVERY NEED:

Prima padlock also comes with a vandal-resistant shield that provides extra high level of security due to its fire-resistant, break-proof and impact-resistant material.



Prima cabinet lock: a reusable and flexible cabinet lock that is easy to reprogram or reset. It is often used for employee cabinets, letterboxes, drawers, rental cabinets, etc.



Prima offline rack lock provides flexible and certified access to servers and rack cabinets. It is web-based and easy to install.



Prima Nexus offline readers are connected to a power supply. It is often used for locking secondary doors where replacement of lock cylinders or the use of battery driven readers are not efficient. It is available with keypad for extra security.



Offline+ widens your options

To meet user needs for offline systems, Prima has developed Offline+ that provides many extra functions. Even though offline readers are mostly used to secure secondary doors, we offer extended functions with Offline+ :

- Activation of extra event log functions from offline doors
- Set-up of time schedules, automatic locking/unlocking, toggling rights on offline doors
- Preview of low battery status
- PIN function (for Nexus offline readers with keypad)

Part of something bigger

FlexAir® access control system – an open platform

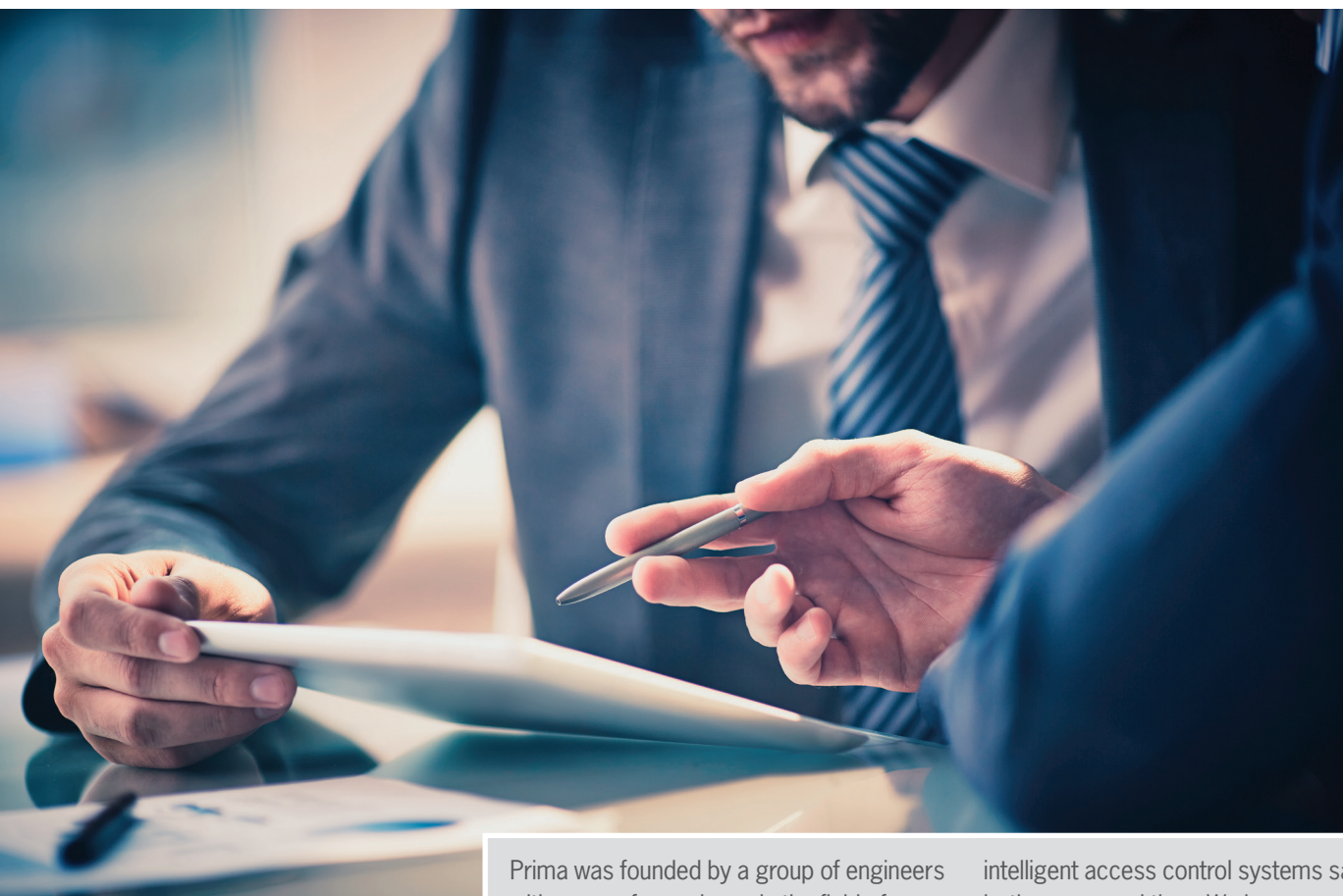
It is vital that secure solutions are also flexible and adaptable to different needs – now and in the future. FlexAir® is designed with a maximum degree of flexibility to allow a simple solution today and wider functions tomorrow.

The FlexAir® system can be operated using XML commands – making it easy to integrate with other types of software, e.g. administration.

The access control centrals can be converted into an input/output module operated via Python-programming, which enables FlexiAir® to control or integrate with a wide range of equipment or produce solutions that in other systems would require far too complicated installations.

FlexAir® also enables integration with other online reader types through a Wiegand interface. This makes it possible to reuse previously used devices. The FlexAir® online readers are equipped with NFC (Near Field Communication) making them ready for the future. FlexAir® is an up-to-date, flexible, overall solution to meet every need – now and in the future.





Prima was founded by a group of engineers with years of experience in the field of access control. We combine our specialist expertise with our solid first-hand experience to develop convenient solutions for our customers.

It is our aim to develop access control systems, based on what our clients want and need with high security in mind. Our systems also offer high flexibility and quality, and it is therefore possible to create dynamic and innovative solutions.

Prima develops solutions that are suitable for all industrial, office, home and apartment buildings, where traditional mechanical lock systems are being replaced with

intelligent access control systems saving both money and time. We base our solutions on an open platform, which is easy to integrate to video, time and attendance, booking, house automation and to other customized solutions that you might require.

We provide 100 % access control systems with focus on software, hardware and centrals. We co-operate with experts in the field to develop secure, yet user-friendly products for customers.

Our production and development is located internationally, and our experienced sales force and technicians are always ready to help you.

prima

Prima Sistemi d.o.o. · Bleiweisova 30 · SI-4000 Kranj · + 386 59 9402 59 · info@primasistemi.si · www.primasistemi.si
Prima Systems A/S · Gammelsø 2 · DK-5000 Odense C · +45 70 22 00 81 · info@primasystems.eu · www.primasystems.eu