



Electronic Access Control



Contents

INTRODUCTION

Complete Access Control Concepts
with Individual Possibilities 4-5

Possible uses of electronic access control 6

TECHNOLOGY

Transponder technology 7

PRODUCTS

ENIQ 8
- Versions 11

Guardian® 13
Guardian®S 14

AccessManager 15

Terminals 16

ACCESSORIES


ENIQ Software 17

IMPLEMENTATION VERSIONS

Programming and Control Access 18

Open up a new world of comfort, security and reliability - with the access control systems from DOM

We believe in freedom of movement and security. A pleasant working or living environment in which you feel at home. We will take care of this. We believe that the feeling of security is something very personal. With a focus on individual needs, at DOM we put all our passion into products for your comfort, your peace of mind and security. Products with which we provide access solutions for small, medium-sized and large premises. You, the person and the technology, that is what DOM is about and this is something all our colleagues are aware of. A good product with excellent service. This is what you want to rely on. Security, which you can achieve with DOM.



*“Whatever sector you are in:
With the electronic
access control from DOM you can
rely on secure, flexible and
tailored solutions.”*

Complete Access control concepts with individual Possibilities



Lock media / transponders
(e.g. access media for colleagues / visitors) - Page 07



Guardian® S
(e.g. for exterior doors or doors with increased security requirement) - Page 14



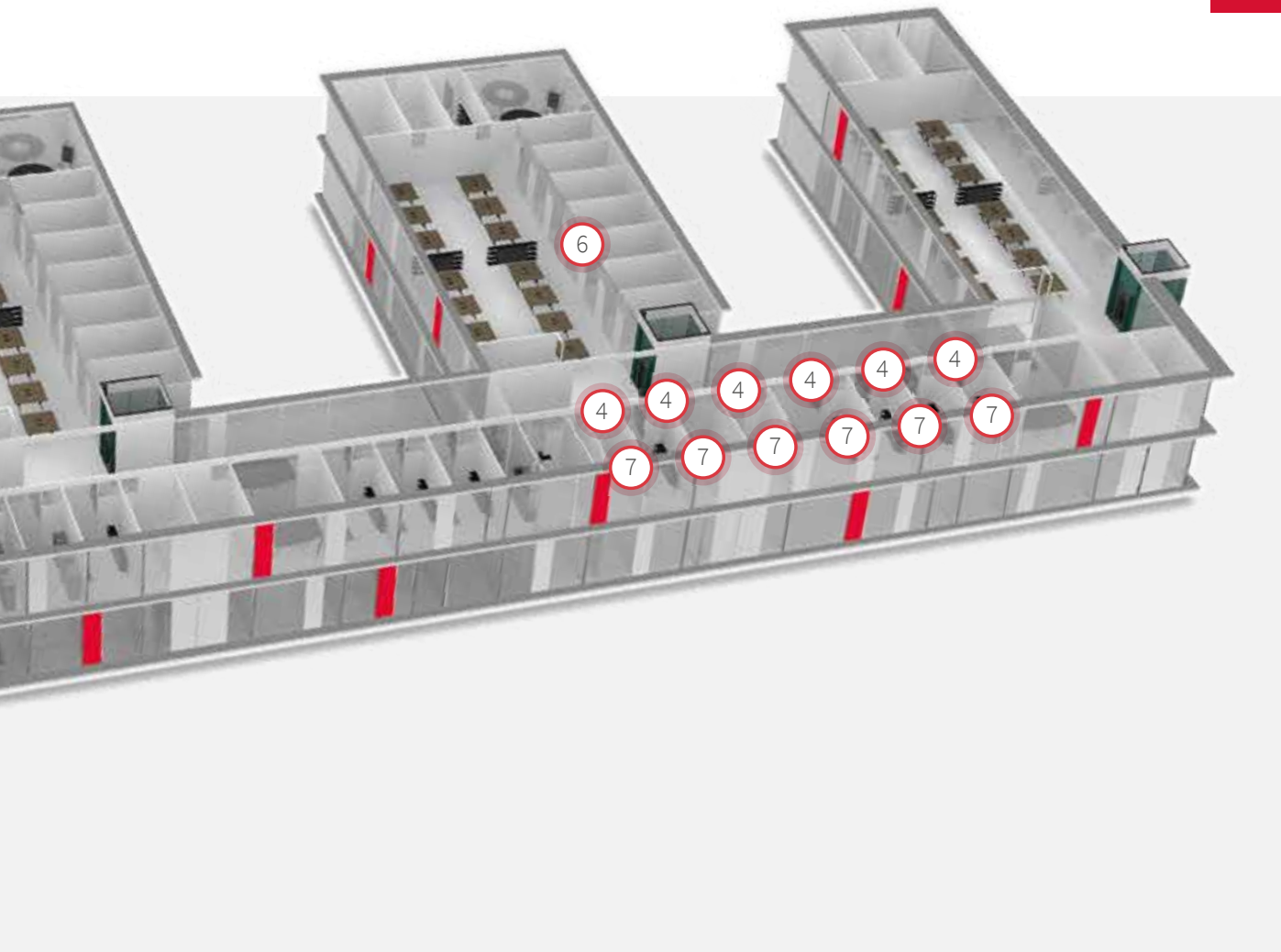
Wall-mounted reader units
(e.g. automatic doors) - page 15



Terminal solutions
(e.g. employee/visitor access) - page 16



Mechanical systems
(see DOM mechanical brochure)



3



Access management software
(e.g. for granting access authorisation) - page 17

4



Electronic fitting reader
(e.g. organisation office access) - page 13

7



ENIQ Mechatronic door knob cylinder
(e.g. access to security-relevant areas) - page 8

Secure and flexible

Whether public buildings, residential buildings, schools, hospitals, sports grounds, hotels, industrial and administrative buildings, museums or airports – all premises demand meeting the utmost protection requirements, according to individual security solutions. Furthermore, flexibility and ease of use are important, so that they are worthwhile in the long term. The solution is electronic lock systems which meet all these parameters.

DOM PROVIDES TAILORED SOLUTIONS FOR ALL SECTORS

Modern, electronic lock systems have the advantage that they can be organised and secured with their lock system in any way: from a detached house to large premises, they provide security concepts which leave no stone unturned. Thanks to the latest technologies, they can administer a virtually unlimited number of lock media and thus consider access criteria in terms of both time and space. Highly complex lock hierarchies can be mapped without difficulty and flexibly be adapted to changing requirements. In addition,

electronic lock systems protect in the best possible way against tampering. For operators, electronic lock systems are not only worthwhile simply because of their flexibility – financially, too, they can save you money: The loss of keys with mechanical locking systems often used to mean expensive replacement of the complete system, whereas electronic transponders are simply deleted from the system.



MODERN BUILDING PROTECTION REQUIRES MAXIMUM SECURITY, FLEXIBILITY AND EASE OF USE:

- o High mechanical break-in protection
- o The latest tamper protection
- o Simple and cost-effective installation
- o Efficient operation and administration
- o Intuitive operation of devices and software
- o Easy to add and delete access media

With its range of mechanical lock systems and electronic access control, DOM provides a suitable solution here.

Transponder technology



In people's everyday lives, passive transponder systems are no longer indispensable. Transponder systems have become part of modern day life. They are used for public transport, access to exhibitions, payment systems, e.g in canteens and in car parks. Even in the area of security solutions for electronic access systems, the passive transponder is used as a means of identification. The overwhelming majority of electronic access control systems work by means of a passive transponder as a means of locking.

In contrast to the active transponder, the passive version does not contain any energy supply through a battery. The necessary energy is exclusively related to the field of the read/write unit. These transponders work at short distances. The distance between the read unit and the transponder is generally less than 5 cm. The transponder can be used in a wide variety of buildings. As well as conventional credit card formats, passive transponders can be incorporated into round keyrings, passes, watches and similar, and thus provide flexible opportunities, which can frequently be adapted to the user's requirements.

AREAS OF APPLICATION

Electronic access control systems from DOM may be used anywhere where conventional mechanical locking systems do not meet the requirements of security and comfort.


- Access authorisation in buildings can be time limited to individual users or flexibly changeable.
- Create transparency through access control, in order to be able to follow access in buildings.



The simple combination of an electronic and mechanical system – the DOM ClipTac

The next generation of electronic access control

DOM Sicherheitstechnik has been a reliable partner for many years when it comes to electronic access control systems. Now the company, which stands for “Made in Germany” quality, is launching an innovative new cylinder on the market. EniQ stands for the next generation of electronic access control and the basic version has already proven itself through absolute flexibility – both structurally and technically.



“Customers have often asked us what they can do with the cylinder when they move or the door leaf thicknesses in the new building are not known.

With ENIQ, we are flexible in such cases and can respond in a short time.”

**SVEN RODE, DOM,
PROJECT WORK
NORTH WEST
EUROPE REGION**

ENIQ OPENS UP A NEW WORLD TO YOU

The new ENIQ electronic cylinder opens up a new dimension of access organisation: flexibility in access management is one of the primary advantages here. Are there changes in your organisation? ENIQ can adapt to the requirements thanks to its simple and flexible web-based software. The electronic knob cylinder can be fitted in almost any door as an access control system. A reliable top-quality security product that provides you convenient access to all rooms.



Plug & Play

PLUG & PLAY

You are unique and so is ENIQ. You'll notice this even during installation. Old cylinder out, ENIQ in. It's that simple. Are you getting a new door or do you have to move with ENIQ? ENIQ's length can be easily adapted to any door leaf thickness. This plug & play technology provides you with full flexibility.

BESPOKE SERVICE: THE PLUG & PLAY KIT

The advantage for dealers: waiting on an order is finally a thing of the past. ENIQ can be customised simply and "just-in-time". The Plug & Play service kit provides numerous versions of the ENIQ cylinder body. Thus you'll always have the right solution at hand.



Advantages

PIT STOP

Following a period of use, which can easily last for five years, new batteries are required. Replacement is simple: With the ENIQ tool, it is easy to remove the cap of the knob and replace the batteries.

REVOLUTIONARY COUPLING

All ENIQ versions are equipped with a revolutionary and extremely durable clutch featuring a bi-stable coupling method. It is extremely secure and designed with a minimum number of components. Thus we have achieved a tremendous level of reliability, which guarantees the ENIQ cylinder's long-term durability.

PROFIT

Never have to replace a key or cylinder again. ENIQ is intelligent and efficient. Did you lose a transponder? Program a new transponder and the lost transponder will be automatically removed from the system. An advantage that you will benefit from well into the future. It saves you time and money and provides optimal security.

ALL OPTIONS ARE STANDARD

Every ENIQ cylinder has the following features as standard:

- + Splashproof in accordance with IP65
- + Fire resistant in accordance with German fire resistance rating T90
- + Online on board
- + Length-adjustable via plug & play

INSPIRATION WITHOUT END

To meet your individual needs and requirements, ENIQ is available in white, black or stainless steel in response to the trends and needs of modern architecture.



"Stainless steel knobs were fashionable for a long time, but we are seeing increasing demands among our clients, even when it comes to details. The selection of different colours helps us meet these demands."

**SARAH SCHELLENBERG,
ARCHITEKTENBÜRO
SCHELLENBERG**



10 Versions for complete freedom, reliability and flexibility



1 DOUBLE-KNOB CYLINDER

The inner knob can always be turned. The reader knob containing electronics on the outside is unlocked using the transponder, thus granting access.

Dimensions: from 30 / 30 mm.



4 SHORT-LONG CYLINDER

For installation in a standard folding door with a door leaf thickness of 40 mm.

Dimensions: from 27.5 / 35 mm.



2 DOUBLE-KNOB CYLINDER FOR GLASS DOORS

Has the same features as the standard double-knob cylinder, but designed specifically for glass doors. The robust stainless steel design gives the stylish transparent glass doors added visual appeal. Dimensions: from 10 / 27.5 mm.



5 DOUBLE-SIDED READABLE CYLINDER

Both the inner and the outer knob rotate freely and identification using a transponder is required to open or close the door on both sides. By assigning different authorisations to access from the inside and access from the outside, people can be guided through a building in a targeted manner.



8 EE WITH INNER KNOB



9 EE WITHOUT INNER KNOB



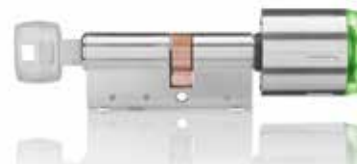
3 HALF CYLINDER

Suitable for key switches, gates, distribution boxes and inspection openings.

Dimensions: from 30 mm.



6 CYLINDER WITHOUT INNER KNOB



10 EE WITH MECHANICAL INNER KEY



7 PADLOCK

ENIQ EE

The DOM ENIQ Emergency Exit models designed according to DIN EN 179 and EN 1125 are the solution for escape and rescue routes. The cylinders include a unique feature, which ensures that the lock cam never stops in a certain position and that use of the anti-panic function is possible at all times. ENIQ EE is available in three versions:



"I wanted a complete solution for my entire building. I got that with DOM and the security and reliability have improved enormously."

Guardian®

Beauty and intelligence – here is where they come together. The Guardian® as an electronic fitting reader is used where access control is demanded with high operating comfort and corresponding design. Its special feature: Due to its form with a classic fitting, it is particularly well suited to use in areas with high public traffic such as banks or hotels. The intuitive operability is its main feature here. It can be combined with ENiQ into a single system, so that it can be used individually as required. Furthermore, it scores highly from its timeless and functional design, that has even been awarded the internationally recognised "reddot award".



reddot design award

Variable Handle shapes



U shape



Cropped U shape



Mitre



Double mitre

AREAS OF APPLICATION

The Guardian® as an electronic bracket reader is used where access control is demanded with high operating comfort and corresponding design.

- Office and administrative buildings
- Hospitals and care homes
- Banks and hotels
- Schools and universities
- Shopping centres, restaurants, etc.

ADVANTAGES

- Width: 38 mm for tubular frame doors
- Convertible from DIN left or DIN right
- Various handle types
- Colours: Brushed stainless steel
- Housing: Blind, with PZ holes or Swiss round profile
- Fitting on one side also possible



AREAS OF APPLICATION

The Guardian® as an electronic fitting reader is used where access control is demanded with high operating comfort and corresponding design.

- Office and administrative buildings
- Hospitals and care homes
- Banks and hotels
- Schools and universities
- Shopping centres, restaurants, etc.

Guardian®S

Safety and comfort are both the most important properties of an electronic door bracket such as the Guardian®S. The electronic functions on the Guardian®S are equivalent to the those of the Guardian® and the ENIQ. Particular features are the reinforced outer casing and the IP55 protection, which makes it particularly well suited to exterior doors. The installation is also from the inside, which increases security and greatly simplifies fitting. Access rights can be issued flexibly. Thus, the Guardian®S fits seamlessly into the available product range.



ADVANTAGES

- Width: 38 mm for tubular frame doors
- Convertible from DIN left or DIN right
- Various handle types
- Colours: Brushed stainless steel
- Housing: Blind, with PZ holes or Swiss round profile
- Fitting on one side also possible

AREAS OF APPLICATION

The AccessManager provides the perfect entry into the access control with a wide field of applications. Whether as a stand-alone wall reader or incorporated into the system:

- Opens doors, gates, cupboards, Turnstiles
- Controls door openers or Motorised cylinders
- Compact or HiSec design
- Offline, online or intelligent
- Surface-mounted or recessed



AccessManager

ACCESSMANAGER

The AccessManager is persuasive due its variety of possible uses and extensions. It can be fitted onto a standard switched socket, but with the surface-mounted frame can also be placed directly onto the wall.

Depending on your individual requirements, AccessManager is available in three different versions. The Compact version, consisting of a read/control unit in single housing allows you to have a simple basic model for access control. The control unit is available as a HiSec version with separate read unit.



Version 1:
Compact



Version 2:
HiSec



Version 3:
Maximum of four readers

VERSIONS:

- As a wall-mounted reader
- Offline
- Intelligent
- Online on board

ACM ONLINE

The ACM provides access control in real time via Ethernet, incorporated into the TCP/IP network. This is enabled through the onboard interface with the ACM Mifare.



ADVANTAGES

- Ease of programming with master card or PC
- Network-capable through onboard unit
- Universally combinable with other devices through inputs and outputs
- Anti-pass back or 4 eyes principle available
- Large variance in access models possible
- Access events are saved



Terminals

With the concept of the virtual network, you can combine the advantages of electronic offline locking systems with the advantages of the online world. The essential authorisation data is saved on the transponder with administration performed centrally from a PC, by means of a connected desk or terminals placed in the premises. We provide two terminal solutions with different functional scope.

ITT - INTELLIGENT TRANSPONDER TERMINAL

The Intelligent Transponder Terminal is a central programming station. This is connected to the database.

How it works:

When the transponder is authorised, its validity is extended by, for example 24 hours (alternatively 365 days or up to a set date). If there are changes to authorisations.

ACM-TERMINAL

When the transponder is produced the authorisation is checked. If this is successful, the authorisation located on the transponder are extended by a time stamp. The user then uses the transponder with its authorisation data on the terminals in the premises.

How it works:

If the transponder is authorised, its authorisation is extended by e.g. a maximum of 24 hours. The AccessManager Terminal must be installed online (together with the DOM NetManager).

AREAS OF APPLICATION

Terminal solutions simplify the updating of authorisations with the "intelligent" operating mode, in which the authorisations are saved on the transponder:

- The ACM Terminal enables the extension of the current authorisations by e.g. 24 hours
- The ITT complete solutions provides a complete reprogramming of the transponder
- Due to the terminal solutions from DOM, access authorisations can be reassigned daily, without having to individually program the doors. This guarantees a time saving.



ADVANTAGES

- Fast and cost-effective installation
- Central changing of authorisations
- Increased security from automatic blocking of authorisations
- Updating the complete access control on the ITT terminal

AREAS OF APPLICATION

Modern access control systems consist of a variety of product and function versions. The DOM software tools provide a tool for programming, commissioning, administration and operation, which best meets today's requirements:

- Various network architectures
- Web interface
- Multi-DB
- Mobile programming station
- Offline, Online and Intelligent modes



Software

INTELLIGENCE YOU CAN FEEL BUT NOT SEE

The new software has been developed as a single administrative platform for the DOM Mifare family. It can be used for the entire spectrum, from mobile programming with laptops/netbooks up to a client-server installation.

An adaptable user interface that can be run in any standard web browser allows easy maintenance of any premises from small to large. Interfaces to external systems can be created using a webservice. With the software, access authorisations can be assigned highly flexibly, whether they are time-limited or defined through various special functions.

ADVANTAGES

- One software solution: from laptop/netbook
- User-specific adaptable interface with integrated help function, which can be run on any standard browser
- Scalable operating concept: from tabular lock schedule to group and area authorisations and complex authorisation profiles
- Flexible authorisation model, e.g. up to 256 day and week schedules and various special functions such as temporary approvals or device and weekly schedules
- Webservice allows flexible interface to external systems
- Modular construction and upgradability: functional extension through additional modules possible at any time

"Why make things complicated, if it can be done simply? I like simplicity in many functions and therefore I like this application very much. You don't have to be Einstein to use it."

DOMINIK DREIJALTS,
BUILDING MANAGEMENT
FULDA UNIVERSITY,
UNIVERSITY OF APPLIED SCIENCES

Programming

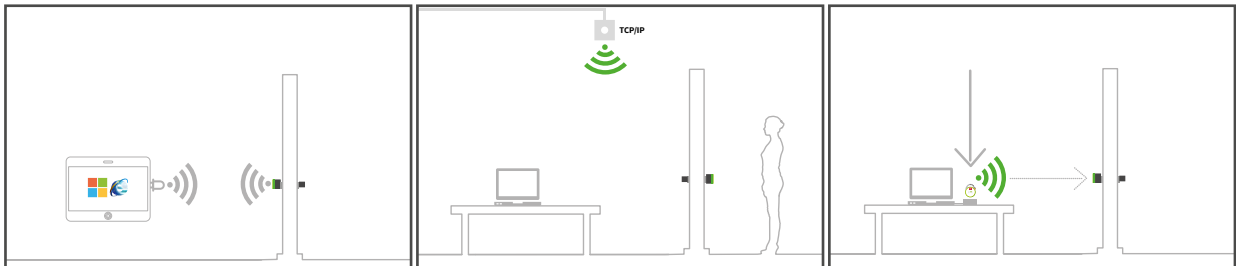
UNIFIED ACCESS MANAGEMENT

The modern user interface allows for easy assignment and modification of access authorisations, user group creation and event viewing. In addition to the ENiQ cylinder and transponder, you can use the software to manage other products. These include "AccessManager" wall readers used to open garage doors, electronic locks, or automated doors, as well as the high-quality Guardian® and Guardian®S electronic door fittings with certified security levels.

PROPERTY

The modern software is easy to use via your web browser and can be used to manage all your ENiQ cylinders in doors throughout your building. You don't have to be Einstein to fully master access management. The Practical software wizard helps you achieve your goals in just a few steps. Clear and simple: Software with 100% convenience.

A model of simplicity



Control access



PROGRAMMING CARD

You can use a programming card to program ENiQ. Have you lost a transponder? You can use the programming card directly on the cylinder to remove it from the system.

INTEGRATED ACCESS TO THE TRANSPONDER

You can use the desktop reader to simply program permissions on a transponder. Users can even install updated authorisations on their own transponder using the "Intelligent Transponder Terminal".

ONLINE ACCESS CONTROL

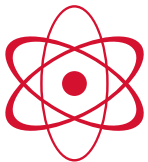
ENiQ can communicate live with the web-based software application via an online connection. You can immediately see, by who, when and where a door has been opened or access has been denied to an unauthorised transponder. The RF NetManager wirelessly connects the cylinder with your existing network and can program up to 8 ENiQ cylinders.

The cylinder is compatible with the following 13.56 MHz

Mifare transponders:

- Mifare DESFire
- DESFire EV1 2k, 4k, 8k
- Mifare Classic 1k, 4k
- Mifare Plus S/X 2k, 4k
- Mifare Ultralight
- Ultralight C





MIFARE

THE GREEN LIGHT FOR INCREASED CONVENIENCE AND SECURITY

Open the door to a new dimension of convenience and safety. DOM products provide you with access. Do you have any questions or would you like to order DOM products? If so, don't hesitate to contact us. You will find contact data on www.dom-group.eu

DOM-Metalux S.A.S.
47 bis Rue Jeanne d'Arc
52115 Saint-Dizier cedex • France
T +33 (0)3 25 05 86 30
F +33 (0)3 25 56 62 61
www.dom-europe.com

