

DOM SECURITY TECHNOLOGY

Electronic Access Control

SECURITY, QUALITY, DOM.



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FLEXIBILITY AND RELIABILITY

This is how we combine our talents.

Places where many people come and go, for example hotels and large office buildings, require locking systems which are secure, reliable and adjustable to changing conditions with a high level of compatibility. Despite their quality, mechanical systems can reach their limits at times.

With highly secure mechatronic and innovative electronic locking technology we meet the changing requirements of our customers. We have developed locking and access control systems, which avoid the problems caused by lost keys and adapt perfectly to frequently changing locking authorisations, restructuring and expansion.

In addition, these systems offer totally new applications, which extend beyond the possibilities of the traditional key - in particular online-networking.

Benefit from our talents and get to know our mechatronic and electronic solutions.

DOM Programming



ELECTRONIC ACCESS CONTROL

Programming possibilities for all requirements

Who is allowed to allocate, change or delete authorisations in an access control system? Only the authorised holder of the master card of course. This person makes decisions on the allocation and control of authorisations.

All DOM access control components, such as the DOM Protector®, leave the factory in a neutral state. They are not “initialised” until shortly before installation when a master card is assigned.

In doing so all devices, transponders and programming devices are assigned to one building or project. From this moment the programming of the end device can only be carried out by the master or programming cards and PCs/laptops/netbooks authorised by the master card.

The advantages:

- Highest level of security as programming activity must be authorised via the master card

Offline: Programming takes place at the cylinder

- Decentralised programming, directly with the master card or programming card or the corresponding programming medium
- Certain criteria such as bank holidays or time-controlled entry are programmed and managed via a laptop/netbook with ELS-Software/ELSMobile-Software

Virtual network: Programming directly to the transponder

- Central programming and management via PC, connected table reader or terminal solutions (DOM AccessManager-Terminal, DOM ITT)
- Authorisations are written directly to the respective transponder

Online: Central programming via a networkable PC

- Central programming and management via PC and DOM ELS Software
- Direct network connection with the DOM Protector via DOM RF NetManager or direct network connection with the DOM AccessManager via the DOM NetManager

DOM Transponders



ELECTRONIC ACCESS CONTROL

DOM Transponders

DOM devices can be operated with various types and models of transponder (Hitag, EM). Below you will find a selection of the most common transponders available from DOM.

1. Standard key fob (Tac)

The Tac is available in black, red, green, white or yellow and can be stamped with your individual company logo on request. This type of locking medium is also available as a combi-transponder (Hitag-Mifare and Hitag-Legic).

2. ClipTac

A genuine DOM innovation, the ClipTac combines mechanical locking technology with electronic access control and can be integrated with all DOM conventional systems in the RS range and all reversible systems in the ix range. A single locking medium can therefore be assigned for both uses, thus reducing the inconvenience of a large bunch of keys.

3. DesignTac

An attractive and robust design, the new DesignTac is available with lasered customer branding on request and also as a combi-transponder (Hitag-Mifare und Hitag-Legic).

4. ISO cards

Available with or without a magnetic strip, this is a very popular type of transponder. The range of applications for ISO transponder cards includes time recording or billing systems within the workplace. ISO cards can also be individually printed and are available as a combi-transponder.

DOM Protector®



ELECTRONIC ACCESS CONTROL

DOM Protector®

The retrofit, electronic access control solution

With many different variations the DOM Protector® can be applied to a wide range of applications: from an individual installation, to a virtual network and online-locking system. For this there are different designs available: half cylinder, glass door cylinder, double cylinder with reading functions on both sides and many more. Most variations also have VdS BZ+ approval and the attractive design with discreet stainless steel door knob make it a real eye-catcher.

The advantages:

- No costly exchange of the locking system if keys are lost
- Time limited entry authorisation for different individuals (e.g. cleaning companies, visitors etc)
- 32 time zones, holiday calendar, automatic time change for daylight saving
- Traceable events (memory of up to 2.000 events)
- Integration with mechanical locking systems using the ClipTac
- Illuminating ring for optical signalling of (un)authorised access, operational warnings etc.
- Simple programming via master card, ELSmobile software (Laptop/Netbook) or ELS software (PC)
- Compatibility with time recording, canteen payment and other external systems
- Access control as well as many other special functions (e.g. 4-eyes-principle)

Variations for all requirements

DOM Protector® (VdS BZ+)

The DOM Protector® offers full security, flexibility and convenience as standard. The cylinder guarantees the highest level of protection against electronic and mechanical methods of manipulation

DOM Protector® Basic/Basic Plus

In the basic version the DOM Protector® is both cost effective and at the same time fulfills indoor application requirements. The control and organisation of access is more prominent here than the physical protection of valuables.

Basic: Memory 1,000 Transponders, 1.000 Events

Basic Plus: 3.000 Transponders, 2.000 Events,
32.000 indicated/intelligent transponders

DOM Protector® online

Via the integrated wireless interface within the cylinder and corresponding RF NetManager (radio module) in proximity to the door, the DOM Protector® can be included in an Ethernet network structure and can therefore be programmed online by a PC.

DOM Protector® readable on both sides

Internal and external door knobs can rotate freely. Before using the door, irrespective of which side, identification via the transponder is required. This allows monitoring of entry and exit via the cylinder. By awarding varying authorisations on the external and internal sides, the flow of people can be managed selectively throughout a building and areas can be clearly separated from one another.



Designs

Double cylinder

Classic: Almost 80% of all requirements are achieved by the double cylinder design. Here the internal door knob is always engaged whilst the external reader knob, which houses the electronics, controls the access.



Half cylinder

Thanks to the possibility of integrating power supply and intelligence in just one door knob, requirements for applications such as cupboards, garage doors and switch installations can be met using the DOM Protector® half cylinder (VdS BZ+).



Glass door cylinder

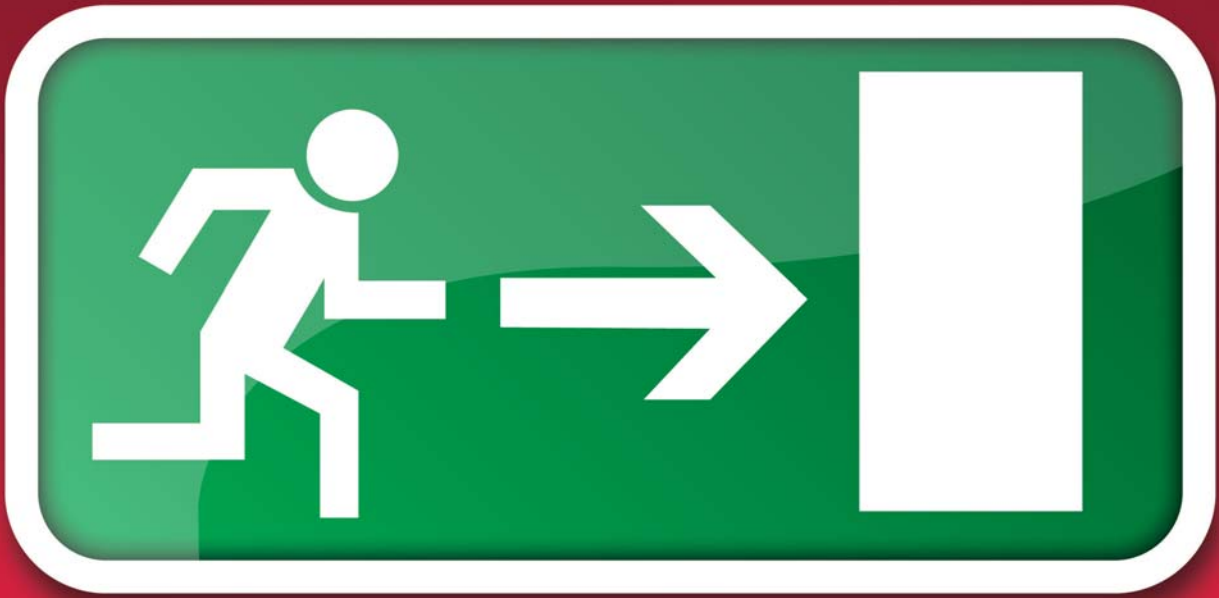
Innovative architecture and design orientation are dominant themes in modern commercial buildings. For such environments the DOM Protector® is the ideal choice. Its specially tailored dimensions for glass door applications, stainless steel knob and innovative design successfully achieve a contemporary look.

Swiss profil

The DOM Protector® CH is available in Swiss profile (22 mm).



DOM Protector®



ELECTRONIC ACCESS CONTROL

DOM Protector® EE

The solution for emergency exit devices (EE = emergency exits)

The DOM Protector® EE was developed for use with emergency exit devices under European standards DIN EN 179/1125. With locks which require a fixed lockable position the patented mechanism ensures that the position of the locking nose cannot impair the locking function. In order to be able to use the DOM Protector® in escape and rescue routes the cylinder must be listed in the corresponding EG-conformity certificate of the lock manufacturer.



The advantages:

- There are a range of variations available:
 - “Online” version
 - “DK” version with removable external knob
 - Version “without internal knob”
- The DOM Protector® EE is available with additional features
- Depending on the type of lock, in some cases it may be necessary for the DOM Protector® to be installed on its own.

ELECTRONIC ACCESS CONTROL

DOM Protector® DK

The DOM Protector® DK (DK = removable knob)

Installation in security fittings, specific door profiles and key switches often requires fitting from the inside. For this reason the external knob must be removable. In order to accommodate the increased weight of the fittings, the external shaft is available in lengths of 6.5 mm or 10.5 mm.

The advantages:

- The solution for use in security fittings or key switches.



DOM Protector®



ELECTRONIC ACCESS CONTROL

DOM Protector® PP

Protects privacy (PP = privacy protection)

In some buildings, it is necessary to store personal data within the electronic cylinder. In such cases this information must be securely protected, a requirement achieved with the new DOM Protector® PP which can be combined with all versions of the DOM Protector®.

The advantages:

- Entry events are stored anonymously with a dummy-ID (level 1)
- The storage of personal data is turned off ex-works (level 2)
- System events such as battery warnings etc remain in place.

ELECTRONIC ACCESS CONTROL

DOM Protector® FR

For integration with fire resistant doors (FR = fire resistant doors)

The DOM Protector® FR has been designed for specification with fire resistant doors (FD30 to FD90). Whilst retaining all of the features of the DOM Protector® the FR version is also available with other combinations.

The advantages:

- Fire resistance class FD30, FD60, FD90

DOM Protector® online



ELECTRONIC ACCESS CONTROL

Online- connection with DOM RF NetManager

With the DOM RF NetManager the DOM Protector® is wirelessly connected to an Ethernet network. The DOM RF NetManager is typically installed at a distance of up to 3 m from the DOM Protector®:

- Simple and cost effective installation
- High speed/performance
- Connection with several thousand devices possible
- Use of low price standard network components, such as switches and hubs
- Worldwide, future-proof network technology
- Capable of "Power-over-Ethernet"
- Data communication occurs in real time
- Automatic device recognition/configuration in ELS-Software (Network parameters freely configurable)
- Efficient push-pull communication reduces network traffic
- Microprocessor controlled cryptology with 128 bit according to AES, integrated directly with the DOM RF NetManager
- Online-networking of the DOM Protector® via the integrated radio interface of the DOM RF NetManager
- Use of wireless technology reduces expensive cabling costs
- 2 inputs, 1 output
- Simple project planning through allocation of a DOM Protector® to a DOM RF NetManager
- In the event of complete network outage the door remains operational and the storage of event data is unaffected
- Via the RF NetManager the DOM Protector® can be installed in the most diverse of applications (EMA, video etc.)
- Design is adapted for installation in standard in-wall sockets
- Variation for surface mounted socket also available

Protector® Combinations

Description

(Main features)



Description	VdS category	Readable on one side	Readable both sides	Protection against drilling	Offline	Online	DK (Fitting from the inside)	Neutral position of the cylinder cam	FR Fire Protection	PP 'privacy protection'	Minimum standard installation length, outside	Minimum standard installation length, inside	Maximum standard installation length, outside	Maximum standard installation length, inside
Protector Standard (VdS, 1-sided)	BZ+	✓		✓	✓	✓			✓	✓	030	030	080	080
Protector Basic (1-sided)		✓			✓					✓	027	030	080	080
Protector Both-Sided (VdS, 2-sided)	BZ+		✓	✓	✓	✓			✓	✓	030	030	080	080
Protector Half Cylinder (VdS, 1-sided)	BZ+	✓		✓	✓	✓			✓	✓	030	010	080	010
Protector Half Cylinder Basic (1-sided)		✓			✓					✓	027	010	080	010
Protector Double Cylinder 1-sided - DK		✓				✓	✓		✓	✓	030	030	080	080
Protector Double Cylinder 2-sided - DK			✓		✓	✓	✓		✓	✓	030	030	080	080
Protector Half Cylinder - DK		✓			✓	✓	✓		✓	✓	030	010	080	010
Protector EE (with internal knob)	BZ+	✓		✓	✓	✓		✓	✓	✓	030	030	065	065
Protector EE (without internal knob)	BZ+	✓		✓	✓	✓		✓	✓	✓	030	030	065	065
Protector EE - DK (with internal knob)		✓			✓	✓	✓	✓	✓	✓	030	030	065	065
Protector EE - DK (without internal knob)		✓			✓	✓	✓		✓	✓	030	030	065	065
Protector DZ 1 sided (without internal knob)	BZ+	✓		✓	✓	✓			✓	✓	030	030	080	080
Protector DZ 1 sided - DK (without internal knob)		✓			✓	✓	✓		✓	✓	030	030	080	080
Protector Glass Door Cylinder (VdS, 1-sided)	BZ+	✓			✓	✓			✓	✓	030	010	040	027
Protector Glass Door Cylinder Basic (1-sided)		✓		✓	✓					✓	027	010	040	027
Protector Double Cylinder Basic KL (1-sided)		✓		✓	✓					✓	027	030	027	080

DOM Guardian®



ELECTRONIC ACCESS CONTROL

The fitted reader by DOM

With the new DOM Guardian® DOM has incorporated all the electronic properties of the DOM Protector® into a fitting. The reader unit, functional parts, mechatronics and the battery compartment are in the external fitting therefore the fitted reader can be mounted on the external side of the door. Alternatively, the fitting can be mounted within the internal plate.

Locking authorisations are controlled using a master card, ELS software (PC) or via a laptop/netbook with ELSmobile software.

The advantages:

- Width: 38 mm for tube-frame doors
- Handing: DIN left or DIN right
- Variety of handles available
- Finish: stainless steel, brass or polished stainless steel
- Housing: blank, with euro profile or Swiss round profile



reddot
design award 2009

DOM Guardian® online



ELECTRONIC ACCESS CONTROL

The DOM Guardian®

Just like the DOM Protector® the DOM Guardian® can be upgraded to an online system in combination with the DOM RF NetManager. Events at the door are relayed between the DOM Guardian® and DOM ELS software in real time.

Handle versions

In order to meet special design requirements or to accommodate different door positions the DOM Guardian® is available with a choice of handles:



Finishes:



Stainless steel



Polished stainless steel



Brass (PVD coated)

DOM AccessManager



ELECTRONIC ACCESS CONTROL

Make an entrance with DOM AccessManager

The DOM AccessManager is suitable for all points of entry or applications where a traditional wall reader unit is required. The DOM AccessManager wall reader impresses with its simple installation and broad range of functions, a selection of which are also available for the offline version. In addition the DOM AccessManager is connected to an Ethernet network via the DOM NetManager and with the HiSec version you can connect up to three remote readers under the control of the DOM AccessManager.

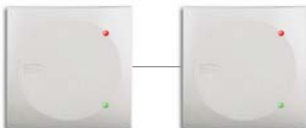
The advantages:

- Access control in connection with cupboards, gates, door openers or, for example, motorised cylinders
- Time limited entry authorisations for different individuals (e.g. cleaning companies, visitors)
- Traceable events
- Convenient programming with the master card, ELSmobile software (laptop/netbook) or ELS software (PC)
- Can be used as an end device within the virtual network
- By re-programming it is possible to upgrade various functions at any time, such as anti-passback or 4 eyes principle
- Simple installation in standard switch boxes or directly onto the wall with AP fittings
- Optional siedle module available

**Version 1:
Compact**

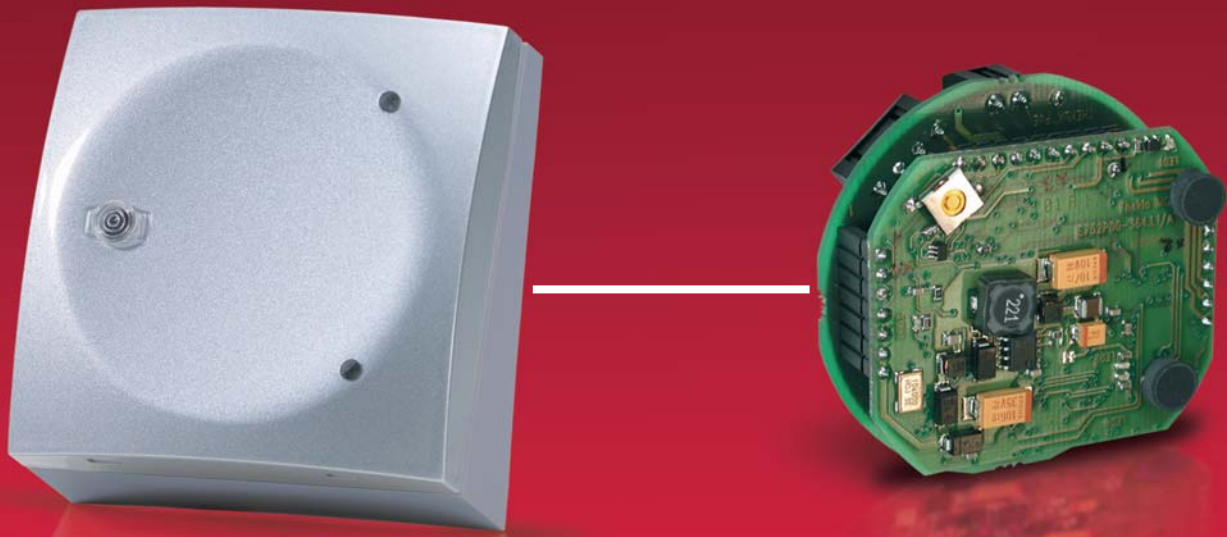


**Version 2:
HiSec**



**Version 3
(no diagram)
Max. three readers**

DOM AccessManager online



ELECTRONIC ACCESS CONTROL

Access control via Ethernet

The DOM AccessManager together with the DOM NetManager are a future-proof online system via Ethernet. The advantages of this combination are endless:

- Design is adapted for installation in standard wall sockets
- Variation for surface mounted socket also available

The advantages:

- Simple and cost effective installation
- High speed/performance
- Connection of several thousand devices possible
- Use of low cost standard network components, such as switches and hubs
- Internationally recognised, future-proof network technology
- Capable of "Power-over-Ethernet"
- Data communication in real-time
- Automatic device recognition/configuration in ELS Software (Network parameters are freely configurable)
- Efficient push-pull communication reduces network traffic
- Microprocessor controlled cryptology with 128 bit according to AES integrated directly to the DOM NetManager
- Online networking of the DOM AccessManager via the RS 232-interface of the DOM AccessManager
- 2 inputs, 1 output

DOM ((o)) butler



ELECTRONIC ACCESS CONTROL

Always at your service The pocket friendly transponder

The DOM Butler adds a new dimension to the versatile and efficient range of DOM electronic access control products. DOM active transponders facilitate the contact free operation of access devices such as electronic door operators, motor locks and barriers. Whether the transponder is in your pocket or rucksack, this convenient technology allows the user to gain access without directly presenting the transponder to the device.

The advantages:

- Active handling of the locking media not required (active transponders)
- Convenient control of the motor cylinders, door openers, automatic doors, barriers, sliding doors etc
- Adjustable reading range of between 1m and 7m
- Convenient programming via Laptop, Netbook and IR Adapter
- Compatibility with the ELS family (passive inlay within the active transponder)
- Highly secure encrypted data transfer
- Clip tac transponder available
- Online connection via the DOM NetManager

DOM Keypad



ELECTRONIC ACCESS CONTROL

DOM Keypad

The number is the key

The pincode keypad can be installed and configured for almost every door application: It can be connected directly to the door opener or alternatively can be used as an input device for the DOM Protector® online.

The advantages:

- Programming via a master code, which can be chosen by the user
- For a higher level of security the pin code can be extended to between 4 and 8 digits in length
- The pincode can control up to 2 devices or exits at the same time
- Protection rating IP 67

DOM Virtual network



ELECTRONIC ACCESS CONTROL

Added convenience

With the virtual network concept the benefits of electronic offline locking systems can be combined with those of the online world. As primary authorisation data is stored on the transponder, central authorisation management by PC is possible using a connected table programming station or programming terminal within the building. We offer two terminal solutions with differing functions:

DOM AccessManager Terminal: ①

If the transponder is authorised, its validity will be extended by up to 24 hours

DOM ITT: ②

If the transponder is authorised, its validity will be extended by up to 240 hours (or 365 days or up to a fixed date). If changes in authorisations occur, they are written simultaneously to the transponder

The advantages:

- Quick and cost effective installation
- No expensive cabling of individual end devices necessary
- Central amendments to authorisations
- Automatic disabling of authorisations offers increased security
- In the simplest version the DOM desktop reader can be used as the programming station

DOM ELSmobile software



ELECTRONIC ACCESS CONTROL

Your mobile programming centre

Convenient programming: Programming and management of current DOM end devices is possible using a standard laptop/netbook and the DOM ELSmobile software. The laptop/ netbook with ELSmobile software can be used as a self-contained programming device, but also fulfils its function as a transport medium between the devices and PC with the ELS-software.

The advantages:

- Management of up to 3.000 transponders/locking media and up to 200 devices
- Standard laptop/netbook with Windows operating system
- Management of 32 time zones
- Programming of the end devices with separate infrared USB stick (see picture right)



DOM ELS Software



ELECTRONIC ACCESS CONTROL

Intelligence you can sense but don't see

The DOM ELS software is a management platform for the entire DOM ELS family: All DOM devices such as the DOM Protector® and DOM AccessManager can be managed and programmed with it.

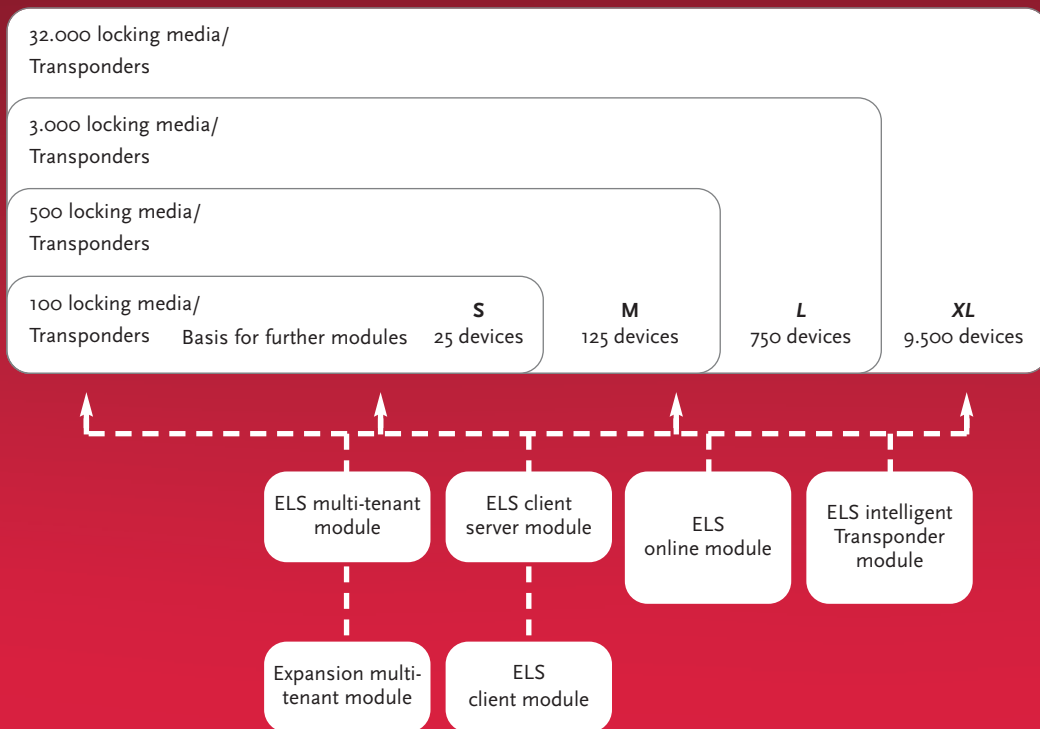
Whether its an offline installation via the DOM virtual network or an online application, the DOM ELS software can meet every demand.

With changes in the organisation, ELS software grows with its requirements. Minimal upgrade begins with up to 25 devices / 100 transponders and can be expanded up to 9.500 devices / 32.000 transponders.

The advantages:

- The DOM ELS software creates an electronic locking system from your master key plan
- Management of 32 time zones
- Flexible allocation of authorisations to devices and transponders
- Groups and area authorisations improve management
- Locking plan in Excel format
- Time restricted access authorisations for different individuals (e.g. cleaning companies, visitors)
- Comprehensive analysis of access events
- Modular configuration of the software

DOM ELS Software



ELECTRONIC ACCESS CONTROL

A modular system For made-to-measure solutions

The ELS standard module

The ELS standard module ranges from 25 devices and 100 transponders right up to 9.500 devices and 32.000 transponders dependent on the system requirements (S,M,L,XL). Further configurations are also available on request. The standard module is the required basis for all other modules and upgrades.

The ELS multi-tenant module

Comprises the system and management of devices and locking media for up to 10 multi-tenants.

The ELS client server module

The multi-user version is also available, allowing several users to manage the ELS software simultaneously. This module can also be expanded according to the required number of clients.

The ELS online module

This module is required to enable network functionality. The number of transponders/locking media and end devices is predetermined by the ELS standard module.

The ELS intelligent transponder module

Central programming and management via PC connected table reader or wall terminal. The authorisations are written to each individual transponder.

DOM 669



ELECTRONIC ACCESS CONTROL

DOM 669

The DOM 669 cylinder must be operated by the corresponding mechanical key as well as an authorised transponder, offering double the security in one cylinder. The DOM 669 cylinder can only be operated on electronic release and is therefore connected to a wall reader such as the DOM AccessManager.

The system blocks the external side and the internal side is always free closing. The DOM 669 is available according to application in open circuit or closed circuit principles of functionality.

The advantages:

- In a power outage an electromagnetic locking system ensures complete cylinder shut down (open circuit principle). The closed circuit principle applies when the electromagnetic function is released leaving the mechanical function in place.
- Available individually or master keyed
- Available in all current mechanical DOM systems
- Compatible with all products in the DOM ELS range
- Can be controlled by external systems (e.g. time switches)

Available as a half or double cylinder (knob cylinder on request)

DOM Motorised cylinder



ELECTRONIC ACCESS CONTROL

DOM Motorised cylinder

The DOM Motorised cylinder is installed easily into the euro profile hole in the door and operates in accordance with your requirements. The cylinder is positioned with the transmission unit on the protected interior side and can be operated from the outside by mechanical key or transponder. This product can therefore be installed as an independent product or as part of your mechanical or electronic locking system.

The advantages:

- Automatic or time controlled locking or unlocking of the door. (In this way the insurance-required closure, among others, is guaranteed)
- Can be controlled with DOM access control (DOM AccessManager, external systems)
- Option of the operation mode (door open, length open, locking with latch or with latch and bolt)
- Display of door status for external warning devices (sirens, lights, signal panels etc.)
- Controllable via external systems (e.g. time switches, intercoms)
- Easily combined with electronic locking systems (ClipTac)



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