



SICHE HEITSTECHNI

DOM Sicherheitstechnik
GmbH & Co. KG
Postfach 1949
D-50309 Brühl/Köln
Tel. (0049)2232/704-0
Fax (0049)2232/704375
www.dom-sicherheitstechnik.de
dom@dom-sicherheitstechnik.de

DOM Sicherheitstechnik
Gesellschaft m.b.H.
Missindorfstraße 19-23
A-1140 Wien
Tel. (0043)1/9826666
Fax (0043)1/9826660
www.dom.at
office@dom.at

DOM AG Sicherheitstechnik
Breitenstraße 11
CH-8852 Altendorf
Tel. (0041)55/4510707
Fax (0041)55/4510701
dom-schweiz@bdk.com

Your security systems advisor:

www.dom-sicherheitstechnik.de

DOM Sarl
214 Z.A. Les Petits Carreaux 2
Avenue des Roses
F-94386 Bonneuil-sur-Marne Cedex
Tel. (0033)1/45136969
Fax (0033)1/43390357
www.dom-france.com
info@dom-france.com

DOM-NEMEF-Corbin
UK OFFICE European Division
Unit 1, Harolds Close
Harolds Road
GB Harlow/Essex, CM19 5TH
Tel. (0044)1279/454709
Fax (0044)1279/454711
info@dncuk.com

Hoberg N.V.
Dorpstraat 444
B-3061 Leefdaal
Tel. (0032)2/7673302
Fax (0032)2/7678703
info@hoberg.be

Corbin Co.
Hwd. Security Products
Via Modena 68
I-40017 San Giovanni in Persiceto
Bologna
Tel. (0039)051/6812411
Fax (0039)051/827486
corbin@corbin.it

Benidorm Locks S.L.
Plaza Jaime 1 n 13-1
E-03580 Alfaz del Pi
Alicante
Tel. (0034)96/5889908
Fax (0034)96/5889909
www.benidormlocks.com
info@benidormlocks.com

DOM Nederland
Postbus 1186
NL-2280 CD Rijswijk
Tel. (0031)70/3193006
Fax (0031)70/3996903
www.dom-nederland.nl
info@dom-nederland.nl

DOM-NEMEF-FSB
Lukasz Nowinski
ul. Legnicka 24a/60
PL-31-216 Kraków
Tel./Fax: 0048-12-415-04-69
Mobile: 0048-6 09 45 80 35
lnowinski@blackdecker.pl

DOM-NEMEF-FSB
zastoupení pro ČR
Ing. Jaroslav Kašpar
Nová Hut' 55
CZ-33002 Dýššina
Okr. Plzeň-sever
Tel. (00420)19/945743
Fax (00420)19/7845051
jkaspar@top.cz

ELECTRONIC LOCKING SYSTEM DOM ELS Off-Line



SICHE HEITSTECHNI

We reserve the right to make technical changes at any time

EDV-Nr. 297299 / 2 / gb / 01.02

A  BLACK & DECKER COMPANY

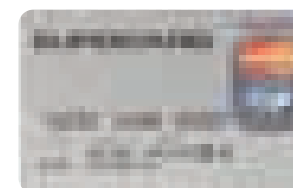


Security is not necessarily proportional to bulk. So security lock and access control devices do not need to be excessively heavy – or indeed conspicuous. We develop intelligent solutions for lock management systems that sophisticated safeguards within a single high-tech package.

Security from DOM. It's everything you need.

THE ELECTRONIC SOLUTION

DOM ELS Off-Line or On-Line



Today, we think nothing of paying our bills by electronic means. Now DOM is able to offer you the same electronic convenience for your security lock and access control systems. Solutions that give you more convenience at the point of use plus greater organisational flexibility. Even in the case of complex systems, you enjoy a higher standard of security – as validated by the Class B approval issued by the VdS, Germany's association of property insurers. All ELS components can be supplied in an off-line or an on-line version.

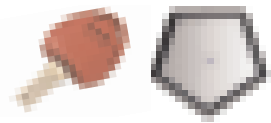
DOM ELS OFF-LINE provides the means for individually organising your electronic access control system at the point of use, with each door controlled by a stand-alone system.

DOM ELS ON-LINE links all the ELS components of the access control system via a network to a central PC. This is then used to assign all the access rights, perform the programming functions and output the events data (audit trail).

24/7 flexibility

Wherever a number of people are brought together, complex structures arise which require specific, tailored security and organisational concepts. The ELS product family offers individual flexibility that allows the daily running of an organisation to be adapted to its specific security requirements. In this fictitious office complex, different transponder types are used in order to access a variety of localities functions and services.

7 o'clock a.m., car park
Peter P. activates the barrier leading to the car by passing his duly authorised Clip Tac transponder in front of the LSE reader unit.



7.15, entrance
Again using his ClipTac, Peter P. is able to activate the double-knob cylinder lock to open the entrance door. His authorisation allows him direct access from the car park to the office building. Time zones and personnel-specific authorisation levels provide for a defined access hierarchy. To leave the building, he merely uses the internal mechanical knob which is always engaged ready for operation.

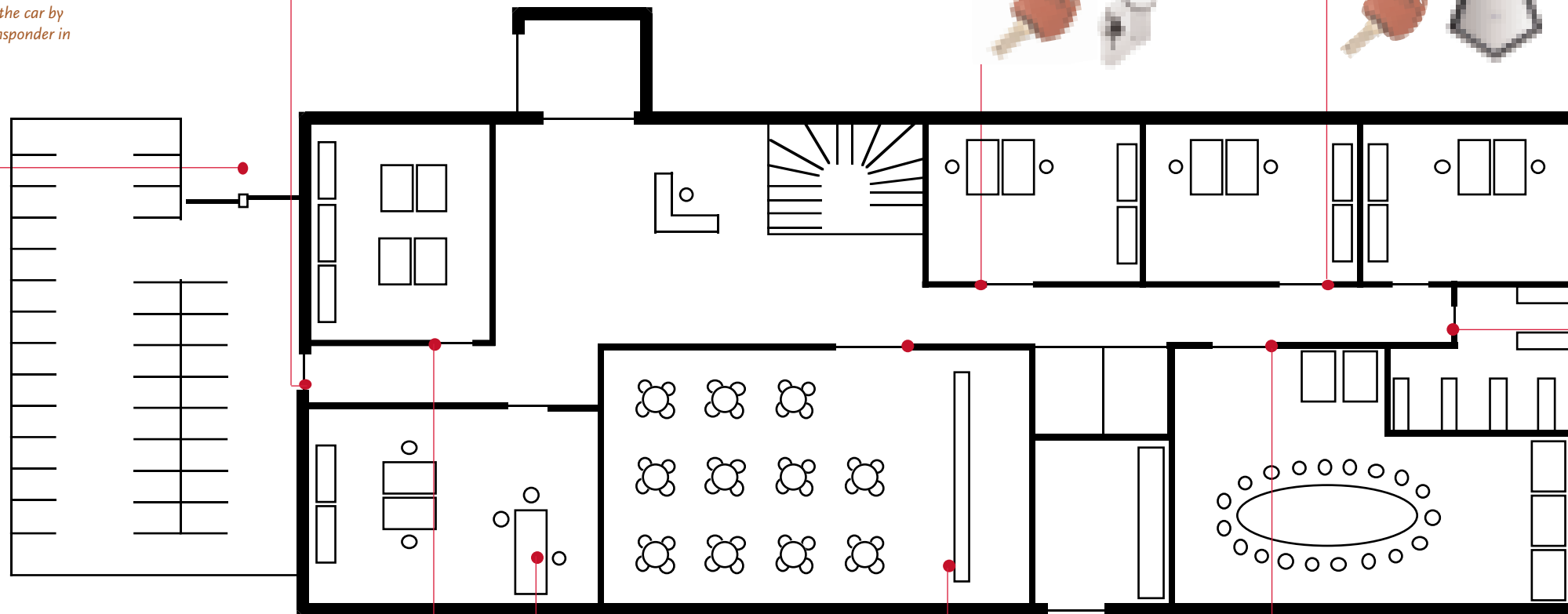


The easy-to-implement solution for linking existing mechanical locks to the DOM ELS system!

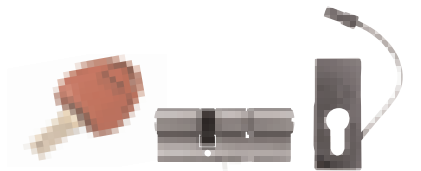
7.20, office
The combination of the ClipTac with a mechanical key bit enables Peter P. to simply open the mechanical lock of his personal office without using the transponder.



9 o'clock, sales office
Peter P. is deputising for his colleague from the sales office who is on holiday. His ClipTac has been authorised for time-limited access to her office. The LSE reader only allows entry to holders of authorised transponders.



9.30, archives
The archives door is double locked. The signal triggered by the ClipTac allows the key bit to operate the mechanical lock. Not all employees will have the same mechanical key to allow entry to the archives so, again, access is limited only to specific authorised personnel.



8 o'clock p.m., fax and photocopy room
At 8 o'clock in the evening, the door to the fax and photocopy room is closed and locked by a motor cylinder. At this time, entry is only permitted to those carrying a transponder programmed for nighttime access.



3 o'clock, service office
Morris M. is the system manager. A new employee is starting work tomorrow and requires a transponder with authorisation for the appropriate areas of the building. Another employee, Tine B., has lost her ClipTac. Morris M. calls up the relevant menu items in the user-friendly software and the hand-held terminal: "Changes Authorisations" and "New Registration".



Noon, canteen
Lunch! Only company personnel have authorised access to the canteen. Peter P. uses his ISO card transponder, printed with the company logo, to operate the door, and the magnetic strip on the rear face to pay for his meal.



11 o'clock, conference room
The conference room is equipped with a reader and a multifunctional access control unit that can be used to activate further items of equipment in the room or, for example, switch on the "Occupied" indicator.



Versatile and flexible

The DOM ELS system is based on passive, proximity activators in the form of an electronic key, standard Tac, ISO transponder card or ClipTac. The activator is then allocated to the relevant locks in the building. If it should be lost, all that is required is the appropriate entry in the software – no need to replace a lock cylinder or perform any modifications on the security system. And there are a number of ways in which these electronic activators can be further utilised – for example for paying for meals in the canteen. Anti-copy key security is guaranteed because the transponder chip is unique and protected by its own cryptology.



ClipTac

The most elegant solution: Batteryless passive transponder in the form of a key fob with encoded data transfer capability. The ClipTac can also be retrofitted to existing DOM keys – and removed again – without damaging either element.



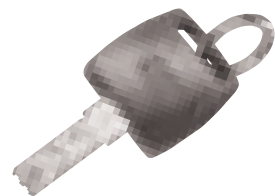
ClipTac with key

Quick fix: the same batteryless passive transponder can be quickly combined with a DOM key. It opens mechanical locks and electronically protected access points, and the two elements can be separated again at any time without damage. The ClipTac fits keys of the series ix and RS from DOM.



ISO transponder card

The transponder card of ISO cheque card format can be provided with a magnetic strip for additional functions (e.g. payment in the canteen, library-borrowing etc.). The front face would usually be printed in accordance with customer specifications.



Electronic key

The complete solution: A batteryless electronic key that can be used for identification at all ELS components. The transponder is permanently connected to the key.



Standard Tac

Electronic access in its purest form: The batteryless passive transponder serves as an activator for all ELS readers and lock cylinders. The transponder has a single, unalterable code and the access rights are defined by programming the components.



DOM ELS OFF-LINE CYLINDERS

Security with knobs on

Thanks to its design and programming possibilities, the DOM ELS Off-line cylinder offers a wide range of application capabilities. If a transponder is lost, for example, it is simply barred at the cylinder and a new transponder is issued with the programmed individual authorisation rights. If the cylinder has to be removed and installed elsewhere, all the access rights can be erased and re-defined for the new location. This can be performed with greatest simplicity using a master or programming card. Or for even greater convenience with a hand-held terminal and PC software.



Electronic double knob cylinder.
The ELS Off-Line double-knob cylinder is equipped with an external reader that, once activated by the appropriated authorised transponders, enables the door to be opened. On the secure inside of the cylinder is the intelligent control unit which also contains the power supply battery. This is monitored on the basis of three graduated warning levels. The high level of mechanical security offered by this system has been validated by the German association of property insurers (VdS Class B approval). With date and time function, storage of the last 350 events, a group-based authorisation capability, 32 time zones and problem-free integration in any lock system hierarchy. The double-knob cylinder is available in either round or special designs.

Special design:

- Anodised aluminium



- Brushed stainless steel



- Polished brass



Round design:

- Anodised aluminium



All round cylinders are also available in brushed stainless steel and polished brass.



DOM ELS READERS

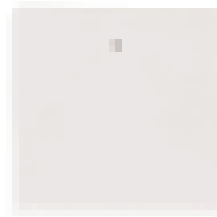
Safe and simple to install

The proximity-type ELS readers guarantee reliable identification of all ELS transponders (electronic keys, transponder cards, standard tacs, ClipTacs) with maximum intercept immunity. The reading distance ranges from 30 to 80 mm. Each ELS reader has an integrated LED indicator and an audible acknowledge signal emitter. The multifunctional access control unit is installed in the secure interior and from there it is able to organise a complex access control system within the building.



Wall reader

Proximity reader for wall fixing. Integrated LEDs and audible annunciator for status and acknowledgement signals. Suitable for all DOM transponders, with surfacemount frame option.



Build-in reader

The build-in reader is installed in a concealed module of the Siedle series 5xx and 6xx. All transponders reliably identified. Includes LED indicator and audible signal emitter.



Fitting reader

Integrated proximity reader that operates in combination with mechanical DOM lock systems. Compact design for installation in security fittings on doors with integral lock to DIN, including external knob, internal lever handle and backplate or rose.

Control system included

Compact unit with built-in intelligence – DOM offers two versions of its complete, integrated solution for specific application types.



LSE Compact

No visible difference to standard reader unit, but compact technology incorporated within the tightest of spaces. THE LSE Compact system operates independently yet can be expanded for increased functionality. It offers all the functions of the standard ELS cylinder plus additional settings such as Permanent Closed and Permanent Open and an individually adjustable hold-open time of 1 to 25 seconds.



LSE HISEC

The high-tech version for doors requiring enhanced security. The LSE HISEC acts as an external reader with the transponder data being transferred for evaluation to the intelligent control unit on the interior. For anti-tamper protection of the highest order: Even if the wall reader is damaged from the outside, access is still denied.



Free choice of functions

The “brain” of the ELS readers is the MFS multifunctional access control unit. This is available either as an integral module, or housed in a plastic or a standard or lockable metal case. The MFS module serves as the reader interface and contains four floating inputs and outputs. The system includes an interface for a two-wire bus, so enabling configuration of a complex network of access controls. The MFS can handle up to 1,000 transponders with the associated access rights, and can store 2 x 349 events.

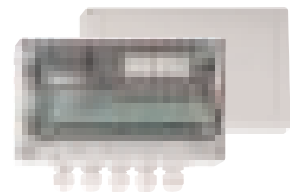


MFS module

The intelligent interface unit for connecting one reader to up to 4 actuators (e.g. electronic cylinders, electric keeps, motor locks ...). System includes a reader interface and an interface for a two-wire bus. Storage of access rights for up to 1,000 participants and 2 x 349 events. 31 freely definable time zones, one fixed time zone plus calendar function for public holidays.

Automatic summer/winter time changeover. 4 inputs for external floating free signals, 4 floating outputs. The outputs can be jumpered for a 12 V supply. An anti-tamper output with floating contact announces cover sabotage. External power supply, 12 V DC.

- Integrated programmable control for logical and timed gating of input and output signals
- Programmable timers



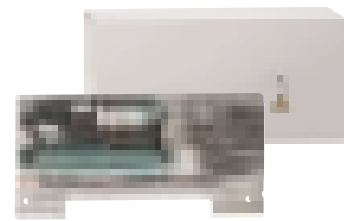
MFS module

in plastic case.
Performance features as above.



MFS module

in standard metal case.
Performance features as above.



MFS module

in lockable metallic case.
Includes power pack for 12 V DC, 2 A.
Performance features as above.



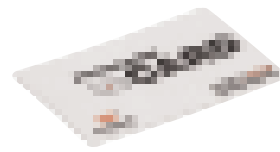
Intelligent, practical, uncomplicated

A smart user prompting system, easy-to-grasp PC software and the ultra-handly master and programming cards mean that programming is a simple matter even for the layman. The proximity communications system between the programming medium and all other ELS components, combined with the acknowledgement checkback signals emitted by the components ensures fast and reliable programming. The master card is the item with the highest priority as it governs the authorisation rights for all the other programming media. This hierarchy ensures maximum security and precludes third-party access to both the data and the software.



Master Card

All ELS components are initialised by the master card. Only then can the transponders and programming media be read into the control system. Time-related access rights are issued via the PC or the programming terminal.



Programming Card

Within the ELS hierarchy, the programming card is just below the master card in terms of importance. The programming card comes in a practical ISO cheque card format and is used to enable or disable the transponders. It is on the same level as the programming terminal and can only be enabled or disabled using the master card.



Programming terminal

Simple menu control combined with a plain text display: This proximity-action programming device enables data input to up to 125 ELS cylinders for a total of 500 participants together with their place-related and time-related access rights. The programming terminal can also be used to read out the audit trail (events data) from all ELS components.



Software

The programming terminal is used for data interchange between off-line components and the PC. Modifications can be implemented using the programming terminal, but it is even easier with the PC. The basic software is supplied with the programming terminal. This enables establishment of a PC-based electronic access control scheme including the issue of time zone etc. (PC must have Microsoft Excel).

Standard module

The standard module of the offline software is fundamental to all the software packages. The standard software can manage up to 25 devices (cylinders, readers, multifunctional control system) plus 100 transponders. Expansion modules are available.

Client module

The client module provides a useful expansion to the standard module. It allows the integration of ten client systems within the basic version. All the devices and transponders that exist in the system are divided between these clients. Further expansion modules are available.



DOM ELS MOTOR CYLINDERS

High-tech perfection

The DOM motor cylinder is the most convenient solution when it comes to providing an electronic access control system. With it, doors can be opened and locked at individually assigned times with the motor cylinder automatically executing the associated functions in accordance with its user-defined program. The special cylinder corresponds to the highest security requirements and offers a number of user-friendly features: permanent-open, closing with latch engagement only or locking with latch and deadbolt engagement.



Complete motor cylinder package
This special profile cylinder with its geared motor drive unit and electronic control includes interior and exterior roses, connection cable, terminal board for concealed fixing, power pack and door contact for status signalling.



Cylinder 66g
Electro-mechanical Europrofile double cylinder with keyed-individual or keyed-alike action. An integrated locking mechanism with fail-safe/fail-secure option prevents non-authorized activation. Designed for combination with a lock-integral or wall reader. Enabled by the multifunctional control unit or by the LSE reader. The 66g cylinder is double-protected by its mechanical and electronic safeguards.



SICHE HEIßTECHNIK



Maximum convenience and flexibility



Flughafen



VIP Lounge



Krankenhaus



Apotheke



Tankstelle



Museum



Bürogebäude



Messe



Industrie



Werft



The decision in favour of DOM electronic access control technology opens up a wide range of possibilities with enormous advantages for all parties involved – owners, managers and users.

OWNER BENEFITS

An ELS system offers maximum security combined with excellent value for money. Lost keys are no longer an issue. And in the longer term, the ELS system offers that essential degree of flexibility because it can be expanded as and when required. With the ClipTac, mechanical and electronic access control devices can be integrated to produce an ideal combination of security safeguards.

MANAGEMENT BENEFITS

Easy establishment and supervision of a fully fledged access control system based on a customised multi-level hierarchy. Numerous functions (attendance and time data acquisition, payment, occupancy monitoring etc.), freely definable time zones, a calendar function and automatic changeover between summer and winter clock times make the system extremely user-friendly – even in the case of the more complex configurations.

USER BENEFITS

Users need just one activator instead of a whole bunch of keys! Security is ensured even if a transponder is lost because instead of having to replace the cylinder a simple reprogramming operation is all that is required.

Airport
Hospital
Petrol Station
Office building
Industry

VIP Lounge
Chemist
Museum
Exhibition
Wharf