

# ASSA dp CLIQ

Electromechanical Master Key System

**ASSA**<sup>®</sup>  
ASSA ABLOY

ASSA ABLOY, the global leader  
in door opening solutions.





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## Mechanical protection always as a foundation

There are many ways to protect yourself and your building. The range of alarm- and access control systems available in today's global environment is enormous and it can be difficult to get an overview of what is available.

All experts are unanimous: to provide a good security system you must have an effective mechanical system as a foundation, with approved and patented cylinders and keys.

We are known for our high security cylinders and we work constantly to improve our Master Key System products. We are providing safe environments which give peace of mind in everyday life.



Within many industries a tailor made security solution is often required. If the facility contains expensive equipment or dangerous elements it adds even higher demands for a high security solution.

### ASSA dp – new design and new technology

ASSA's most recent invention offers a new technology which through the new design more than doubles the key combinations available. The new product is called ASSA dp – one of the world's most secure Master Key Systems developed with a new user friendly design.

### The key word is security

Unauthorised copies of keys and an unknown number of keys handed out to people, both within the organisation and to external contractors are common problems today. In addition to the every day administration of keys, the system owner is exposed to a feeling of insecurity and time-consuming investigations from the insurance companies when a walk about key ends up in the wrong hands. That is why ASSA, with the dp-technology, now enhances the key control and places security in focus.

### Flexible and cost effective solutions

With ASSA dp it is possible to combine different levels of security in one Master Key System, without users carrying more than one key.

Often it is not necessary to have the same security level on all doors in the building. Often there are demands of higher security on the perimeter doors and doors leading into sensitive areas like IT-rooms, R&D department and the warehouse. Other doors, without these high security requirements in the building can have a lower security level. This makes it possible to have a more advantageous security solution from a financial point of view. Each person can be equipped with only one key that opens the doors he or she has been assigned to access.

With ASSA dp it is possible to use 3 different security levels in one Master Key System:

- Electronic combined with High Security
- Mechanical High Security
- Mechanical Medium Security

### Security for the future until year 2024

Without a patented security solution – no Master Key System is secure. That's why ASSA dp has a strong patent, to protect you against keys being illegally manufactured over the time that the patent is valid.

ASSA patent on the dp-technology is valid until 2024. That is why ASSA dp will be an optimal security system during its lifetime.

In highly populated areas, electronic access becomes an important requirement to increase the flexibility and security. The demand for flexibility increases with the number of people.



## Electronic identification gives flexibility

Within a building and organisation lost keys are a frequent issue which pose as a threat to the security and safety. You are no doubt familiar with the work load involved in handing over keys to employees, temporary staff and contractors.

An unaccounted for or lost key immediately puts the building's security at risk and the cost of replacing a cylinder and key combined with the administration costs is significant. The problems are usually attributed to a deficiency in the key control chain. Quite often it is too expensive and laborious to make the changes required to maintain an initially high level of security.

Almost knowingly the building's security is compromised in this way.

### Flexible electronic identities

ASSA dp CLIQ incorporates keys with an electronic identities. This allows the key to operate in cylinders in a truly flexible way. A lost key fitting the entrance door for the company is no longer a security issue. The electronic identities can easily be blocked and the key is useless for everyone, even if it fits mechanically.

In short: there are two independent codes in the system – a mechanical and an electronically programmable. But as a user you only need one key!

### Can security keep up with necessary changes?

An organisations structur changes, where staff are re-organised, it puts heavy demands on administration. Also the work involved in changing keys and physically moving cylinders in order to fit into the company's new structural layout is extensive.

The advantages of ASSA dp CLIQ can easily be understood. More than one user can have the same mechanical code. And then you can electronically grant authorisation by group; manufacturing, development, administration, the computer section, management, property management etc. Any changes can be made quickly without changing cylinders or keys.

### Electronic traceability provides extra security

All keys are unique. As a preventative measure it may be good to know that each time the keys are used it is registered and stored within the cylinders and in the actual keys. The keys carry information about which doors they have entered. Should an incident occur you can trace which individuals have passed through the doors by checking the cylinders audit trail.

Even electronic keys without autorisation but which have been tested in a door are logged or stored in the cylinder. Naturally only system administrators can gain access to logged occurrences.

### Time controlled access, an additional dimension

Time controlled access adds yet another dimension. With the software ASSA Performer, the time and scheduling function allows control of access of individuals on a detailed level. A group can in other words have access to the same doors, but during different hours.

Each activity is logged, both in chronological and numerical order, enabling the person responsible for the programming to see which keys and cylinders have been used at what time and which date.

Each key can be programmed with a schedule that allows the key to access on certain days and times. This is invaluable when you have people working shifts or if you are renting space.

Time	Cylinder	Key	Result	Keycode	Action	Result	Name
2007-08-22 09:58	8 (2)	BQ-1-1	222856	Store Part	Open lock	Completed	Available
2007-08-22 09:59	8 (2)	BQ-1-1	222856	Store Part	Open lock	Completed	Available
2007-08-22 09:59	8 (2)	WCK-1	212204	Admin	Write Masterkey	Completed	Admin
4:8 (2)	Master-All-key 1			Admin	Write MCK	Completed	

Key BQ-1-1

Action:  Activate  Inactivate

From: 1899-12-31 To: 1899-12-31

Set time: Key: 2007-01-23 16:09:38 Computer: 2007-01-23 16:09:38

Daylight saving: 2007-03-26 00:00:00 Default time: 2007-10-26 03:00:00 DST settings: European automatic

#	Start day	Start time	Stop day	Stop time	Cylinder
1	Tuesday	09:00	Tuesday	16:00	All
2	Monday	00:00	Monday	12:00	All
3	Tuesday	09:00	Tuesday	16:00	All

Name: [ ]

Buttons: Read from key, Write to key, Cancel

Up to 1000 events are stored in the cylinder and 100 events in the key. This means that you can read information from both cylinder and key to see who has passed through the door or where the key has been used with date and time information.

#	Start day	Start time	Stop day	Stop time	Cylinder
1	Monday	09:00	Monday	12:00	All
2	Tuesday	09:00	Tuesday	12:00	All
3	Wednesday	13:00	Wednesday	15:30	All
4	Thursday	13:00	Thursday	15:30	All
5	Friday	09:00	Friday	15:00	All
6					

Buttons: Delete, Delete all, Save



Padlocks, window locks and lockable window handles can all be intergraded with the CLIQ-technology. This means that you will have a programmable lock that can store information without any wiring to gate or window. The secret is that the power supply comes from the key.

One of the largest paper manufacturing plants in Sweden has chosen to use the CLIQ-function on more than 1200 doors. That provides them with a high security and a flexible solution that can adapt to the changes within the organisation.



## Tailor made security made easy

Frequent changes within a building and organisation can cause problem with the Master Key System. As people and companies becomes more flexible the need for a security system that can adapt to these changes increases.

ASSA dp CLIQ is an investment for the future that places you in the drivers seat and provides you with the possibility to keep a high level of security over time.

### Where should you use the dp CLIQ function?

In short, it depends on the organisation within the building. The building would usually have a powerful protective shell which is an obvious location for CLIQ cylinders. In the building itself, sections for the public are open. Other suitable sites would be for example IT rooms, R&D department, pAS-SAge doors where you want to control the flow of people. In general door where high security and flexibility are required.

Even window areas and padlocks can be provided with the CLIQ function thanks to wireless technology.

### Administration of the system

Programming of CLIQ cylinders is done by using a custom-made software tool - ASSA Performer - which you install onto a PC or Laptop. ASSA Performer gives you a clear overview of your Master Key System, authorisations and handed out keys. To give, or remove CLIQ keys access rights to a lock, you use a special programming key - called C-key. You connect the C-key to the PC with a programming device and load a task into the C-key. When the task has been loaded into the cylinder, you put the C-key back into the programming device to update ASSA Performer so that you can view the authorisations in the software.

CLIQ-keys cannot be given new authorisation without the C-key, PIN-code, software and password.

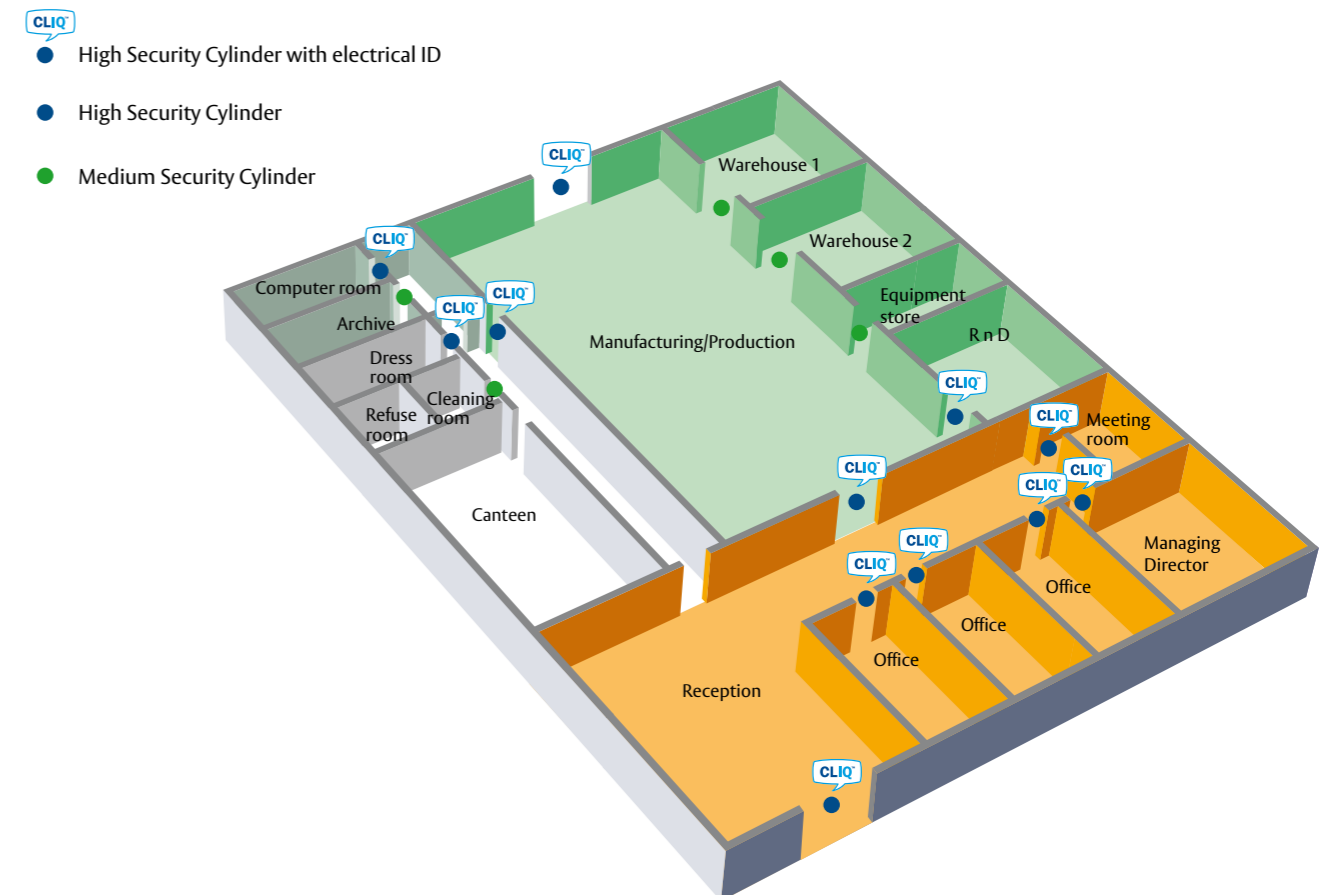
### Investing in the future

Developing the system does not require any complicated procedure. You can freely increase the amount of cylinder and keys according to your needs. Simply program the cylinders and install using the normal installation procedure and the job is done. If you want to learn more about the high level of security and advanced technology behind the system contact your local ASSA representative.

### Installation is easier than ever

Four screws and no cables sounds too good to be true, but that is how easy it is to install the lock cylinders. Unlike other electronic solutions a dp CLIQ-system requires no wiring or external power-supply to be connected. The electrical power supply comes from the battery within the key. The user carries the power within the key, which means a door is never without power supply.

Being able to avoid wiring saves money and dramatically decreases installation time, especially on doors that are far apart. This is especially advantageous when hiring premises. A technical but important aspect to remember is that the installation does not affect doors' fire and sound transmission specifications or the doors' structural integrity. This eliminates the risk of having to carry out expensive asbestos decontamination.



## Integrated security systems

Do you want to open the door with a key or manage access rights in a network based Access Control System? Integrate burglar alarm and manage the system via Internet? Regardless which security level you choose we can always optimise your security system. With a security system from the world leading lock manufacture we guarantee maximum performance.

Now and for the future.



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# ASSA®

## ASSA ABLOY

ASSA ABLOY, the global leader  
in door opening solutions,  
dedicated to satisfying end-user  
needs for security, safety and  
convenience.

