

SECURITY IN HIGHER EDUCATION



A GUIDE TO SPECIFYING SAFETY AND SECURITY PRODUCTS

ASSA[®]

An ASSA ABLOY Group company

Security in Hig

This brochure is aimed at anybody with responsibility for the security of colleges or universities. There are three main challenges to face:

- The premises need to be protected against trespass and vandalism.
- Valuable equipment must be kept secure from thieves.
- Most important of all is ensuring the safety and wellbeing of students and staff.

Whether starting an initial review, adding to existing measures, or looking for a solution to specific problems, we trust you will find this information useful.



ASSA's products are developed for the most demanding government, commercial and institutional organisations. They have been used extensively by universities and colleges throughout the country for many years.

Why?

We provide complete door solutions

Every product you need from a single source, with compatibility built-in from the start.



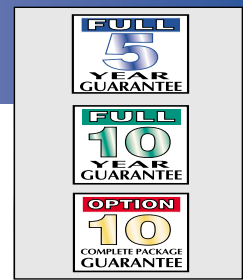
We are at the forefront of security developments

We constantly develop and update our range to ensure compatibility with market requirements and industry standards.



We offer long-term commitment

By only supplying reliable, heavy-duty products we can assure you many years of trouble-free service (and low maintenance bills).



We provide total support

In partnership with our national network of ASSA Security Centres we can design, manufacture, install, service and maintain your security system.



Escape Hardware

Every building must have a sufficient number of exit routes, with doors that can be opened from inside by a simple action. The recent British and European Standard BS EN 1125 should be adhered to; it lays down which types of product are suitable for escape doors. Your Fire Officer can give advice if needed.

Remember, though, that any exit is also a potential entrance. Escape doors should normally re-lock automatically and be secure from the external side.

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Access Control

Flexibility is the key benefit of electronic access control systems. Individuals can be given temporary or permanent access to different areas, depending on their requirements.

Other systems such as alarms and CCTV may be integrated and controlled from a central point, and a log can be kept to give details of visitors who have entered specific areas.

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Key Control

Master key systems offer a high degree of convenience. However, the constant turnover of residents in student accommodation makes the threat of losing the security of your system a real one.

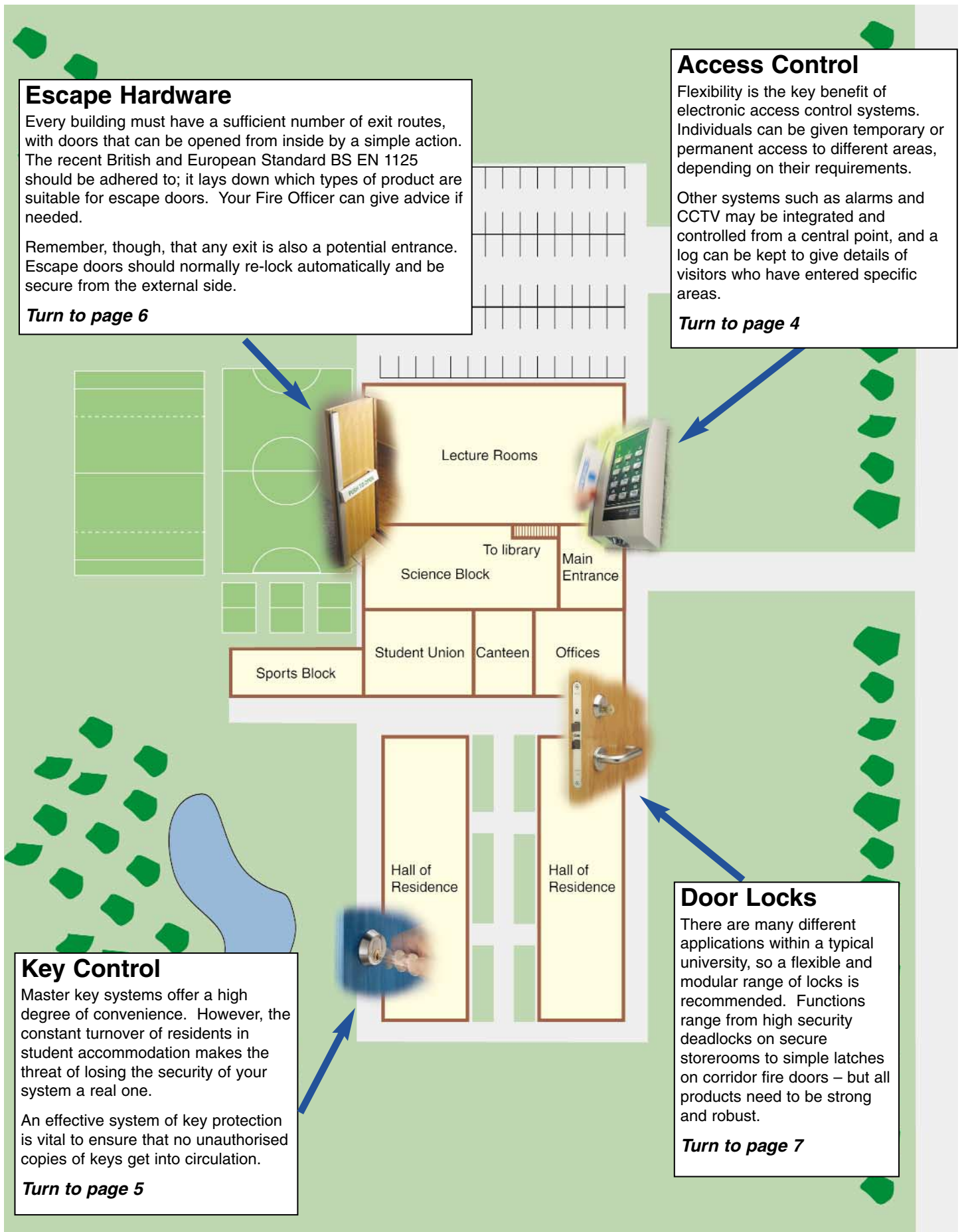
An effective system of key protection is vital to ensure that no unauthorised copies of keys get into circulation.

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Door Locks

There are many different applications within a typical university, so a flexible and modular range of locks is recommended. Functions range from high security deadlocks on secure storerooms to simple latches on corridor fire doors – but all products need to be strong and robust.

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Access control



The ASSA solution

● One-stop Shopping

Our Access Control Division has developed a comprehensive package of products. Because these all come from one manufacturer, you can avoid the compatibility problems that affect mix-and-match systems.

● Specialist Local Support

The simpler products can be installed by any ASSA stockist, while the more sophisticated multi-door products are available from our specialist Electronic Security Centres. We will be happy to provide in-depth advice on the different options available.



● How do I maintain security on a large site?

Doors which are set to lock automatically can be particularly useful on a large site which has lots of potential entrances, and where locking and unlocking each door by hand would be impractical.

When a system is used on more than one door, it is usually better to have it controlled from one central point rather than fitting stand-alone units to each door. While separate units may be cheaper initially, central control makes the system much easier to administer.

● What are the benefits of card reader systems?

Card readers, which use credit-card sized swipe cards, offer more security than basic codelocks. The cards are low-cost making them simple to replace; and they can be specially printed or encoded to serve more than one purpose, such as identification badges.

● What are the benefits of proximity systems?

Proximity or touch tokens need only be brought up to the reader unit to unlock the door. With no moving parts, they are the most hard-wearing system and are recommended for vandalism-prone environments.

● What are smartcard systems?

Smartcard systems are increasingly used in such applications as cashless vending, identification and authorising use of facilities. They can, of course, also be used as part of an access control system.

● Does an access control system ensure security?

No matter how sophisticated an electronic access control system may be, its security ultimately depends on the hardware fitted to the door. This should be as robust and hardwearing as possible. A mechanical override (such as a key) is also advisable; even the most reliable electronic system is vulnerable to powercuts!

Recommended Products

Electric Locking



- Our electric strikes are reliable, fast to operate, and ideal for doors in frequent use.
- Motor locks provide extremely high security and are recommended for night-time and remote locking.

Single-door Systems



- Our **SOLICODE** and **SOLICARD** codelocks and card readers may be used to control an electric locking device.
- Alternatively, the Codoor battery-powered codelock links directly to a conventional mechanical lock with no cabling required.

Multi-door Systems



- **SOLICARD 4000** may be used on up to 16 doors. Designed for smaller locations, this system is very easy to set up and administer. It may also be upgraded to a 6300 system if your requirements change.
- **SOLICARD 6300** can control an unlimited number of doors. It is very powerful and flexible, with options including Photo-ID, alarm monitoring, networking and database transfer.

Key control



The ASSA solution

Key Protection

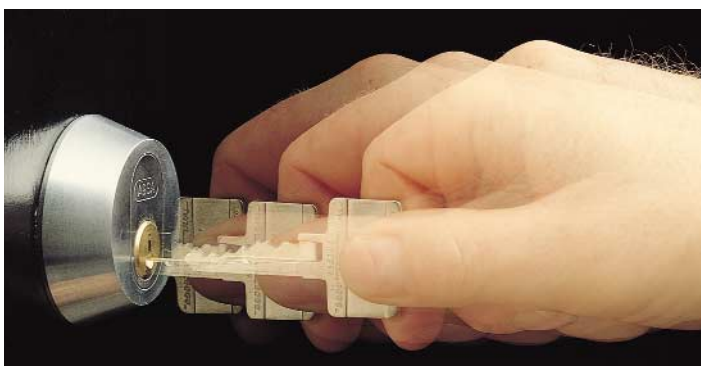
ASSA's key protection system offers graded levels of security. At the highest level, cut keys are only available directly from ourselves. Alternatively, you could choose to obtain keys from a single ASSA Security Centre, or to nominate any local locksmith to supply them. Another choice popular with many universities, is to carry out all key cutting in-house.

Master Keying

With years of experience in designing master key systems, our specialist in-house Key Systems Department is well placed to assist you with the design of your system.

Local Service

Systems can be assembled by your local ASSA Security Centre, ensuring fast, convenient service.



What is the best way to maintain key control?

Make sure that new keys can only be obtained from a specific, authorised supplier. This can be the manufacturers themselves or a local stockist, which may be faster and more convenient. Alternatively, you may be able to cut your own keys in-house. Keys should only be cut against specific authorisation, such as a signature from a named person or production of an identification card.

How is key control enforced?

Authorised stockists should have a contractual obligation with the manufacturer to follow the rules of their key control system – you should check that this is the case.

Why is patent protection of keys important?

The only way to prevent unauthorised suppliers cutting keys is to deny them access to the uncut "keyblanks". Unfortunately, for the majority of locking systems this will be impossible after August 1999. Only if a key design is **patented** will the manufacturer be able to prevent third-party suppliers producing and distributing keyblanks freely.

You should therefore ensure that your cylinders, cut keys and keyblanks are covered by a current patent; that this is international in scope; and that the manufacturer is prepared to enforce it in law on your behalf.

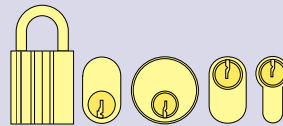
How else can I reduce the risk to key security?

In a master key system when one key allows access to many rooms, it is obviously important to make sure keys do not go astray. A computer-based key tracking system can record who has been issued with a particular key.

What about my future requirements?

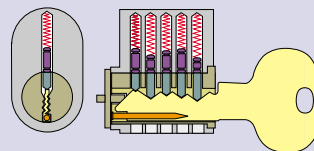
When designing a master key system, consider your future needs as well as current ones. Will the function of a room change, or the responsibilities of a person? Are there any plans for new building work? You should always allow for this – and if in doubt, keep things simple.

Recommended Products



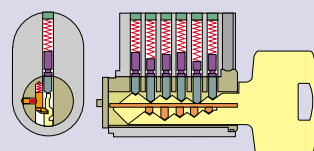
- Any security grade of cylinder is available in any shape to suit any standard type of lock. ASSA padlocks may also be included in the same master key system.

Ruko Flexcore®



- A cost-effective patented cylinder.
- Suitable for general use.

ASSA TWIN COMBI®



- A high security patented cylinder.
- Heavy duty keys ideal for student accommodation.
- Suitable for higher-risk areas.
- Exceptional master-keying capability for larger or more complex systems.
- Exclusive sidecodes can guarantee that nobody else will have access to your keyblanks.

Escape Hardware



The ASSA solution

● Safety and Security

Our Mico range was developed to reconcile the conflicting needs of safety and security. The unique Mico mechanism allows it to meet the safety needs of the standards without resorting to short, tapered or pullman-style bolts, which can reduce security.

● Surpassing the Standards

Mico has been independently tested and shown to far exceed the requirements of BS EN 1125 and BS EN 179. It has also been successfully used on LPC-rated security doors and ballistic doors.

● Guaranteed Performance

Mico has been tested to 200,000 operations, and is widely used in demanding situations. We offer a 10 year comprehensive guarantee on the product range.



● What is the most important requirement?

Ensure that all new emergency exit hardware fitted has been tested and approved to the British and European standards, BS EN 1125 or BS EN 179, as a minimum requirement.

● Where does BS EN 1125 apply?

Panic hardware products, operated by a push bar running the width of the door. As the name implies, these devices are designed to open automatically even if a panicked crowd simply pushes against the door. They are recommended for public areas and any escape route likely to be used by large numbers of people.

● Where does BS EN 179 apply?

BS EN 179 covers emergency exit devices such as push pads, handles, and so forth. These still ensure rapid escape, but are not designed to be opened by people in a blind panic. Consider their use for restricted-access areas such as plant rooms or administration offices.

● How can I improve security on escape doors?

Firstly, ensure that the escape hardware features high security steel locking bolts. Escape doors on the outside of a building should normally re-lock automatically after they have been used, which may be achieved by fitting a door closer. In addition, a microswitch connected to an alarm in the security office can be used to indicate if the door has been propped open.

● Can escape doors be padlocked shut?

Escape doors are sometimes locked shut by looping a chain around the panic bar and fitting a padlock. This dangerous practice can have tragic consequences in an emergency: several authorities recommend using flush fitting hardware which makes it impossible to attach a chain.

● What about extra night-time security?

If it is necessary to lock an escape door when the building is empty, consider linking it to the building alarm system. This can then be set up such that the alarm cannot be deactivated in the morning until all the escape doors have been unlocked.

Recommended Products

For Single Doors



- 944 Panic Latch used with 8761 nightlatch and 235/94 door closer is ideal for doors on escape routes.
- 911 Push Pad with 8761 and 235/94 is suitable for doors in restricted-access areas such as administration offices and plant rooms.

For Double Doors



- 942 Panic Bolt on the passive leaf and SO44 Panic Latch with 8761 lock on the active leaf is the recommended solution.

For Security Doors



- Multi-point locking systems with up to six locking shoots are available.
- All products may be microswitched for connection to a building alarm system.

Door Locks



The ASSA solution

● Modular Concept

A huge variety of different functions can be achieved from our two basic ranges of similar-sized and shaped locks.

● Complete range of Accessories

A comprehensive selection of fully compatible accessories for our locks is available, including lever handles, pull handles, cylinders and keys, hinges and door closers.

● Guaranteed Performance

All ASSA locks are heavy duty and are fully guaranteed for ten years when used as part of a complete ASSA package.



ASSA MODULAR

Distinctive ergonomic design; a highly durable product range with the widest range of options.



ASSA compact®

Designed to standard UK dimensions; ideal for upgrades and refurbishments. Available in three grades of security.

● What level of security is required?

Some areas need high security locks that can withstand violent physical attack: perimeter doors, rooms containing valuable equipment. A lower level of security may be acceptable on other doors, where privacy is the main concern.

● What standards apply to security products?

The British Standard BS 3621 defines locks which are suitable for security applications. However, the standard does not allow for emergency escape requirements or master keying, and is due to be replaced by the European Standard BS EN 12209. We therefore recommend using it as a benchmark rather than a hard-and-fast criterion when selecting locks.

● What about maintenance and replacement costs?

A product which appears cheap, but wears out and needs replacing after two or three years is not cost effective. This requirement obviously applies to all the hardware fitted to the door, such as hinges, door closers, etc, as well as the lock itself.

● What locks should be used in different situations?

Doors which should be kept locked can be fitted with a door closer and nightlatch, so that if opened they lock automatically as soon as they close. Other doors can be fitted with a sash lock or deadlock, which need to be locked or unlocked by a deliberate action.

● What about escape routes?

Any door which may serve as an emergency exit should be openable from inside by "a single, simple action not requiring the use of a key". Of course, the door should still be secure from the outside.

● How can I reduce installation costs?

If all the locks used are the same shape and size, this will make fitting them easier and cheaper, as well as simplifying matters if you need to change the locking function on a door.

Recommended Products

For lecture rooms



- The 500/9 lock allows free passage in normal use. It may be locked to prevent entry, but the internal escape handle permits exit at all times, thus ensuring safety. The door will then re-lock automatically to prevent security being compromised.

For offices



- The 765 lock combines free access and security. Students and staff may gain access using the handles, but security or privacy may be obtained by throwing the deadbolt.
- When used with a toilet accessory set this lock is also ideal for use on shared bathrooms.

For student bedrooms



- The 1520 complies with BS 5588 (the safety standard for residential accommodation). It may be locked by a key or thumbturn to ensure privacy and security, but allows single action escape from inside at all times.

Complete security solutions from ASSA®



HANG IT...



CLOSE IT...



SECURE IT...



FURNISH IT...



SAFEGUARD IT...



GUARANTEE IT.

ASSA®

Your local ASSA stockist is:

An ASSA ABLOY Group company

ASSA Ltd produces a comprehensive range of innovative, high quality security products. Our clientele includes some of the most demanding government, commercial and institutional organisations.

The ASSA ABLOY Group is the world's leading manufacturer and supplier of locks and associated products, dedicated to satisfying end-user needs for security, safety and convenience.

ASSA Limited, 75 Sumner Road, Croydon CR0 3LN
Tel: 020 8688 5191 Fax: 020 8688 0285
E-mail: sales@assa.co.uk Web: www.assa.co.uk