SMARTAIR THAN EVER

SECURITY MERCHANTS

ASSA ABLOY

SMARTAIR technology

ACCESS CONTROL
AHEAD OF ITS TIME

SMARTair

SMARTAIR
UPDATE
ON LINE

SMARTAIR enters a new dimension. A new degree of intelligence. Now you won't need to go door by door to update locks. Or carry data in a card. Or go through a peripheral entrance to update it.
Now, SMARTAIR Update On Line does it all for you. Wireless technology updates the entire system constantly, sending and receiving information from every door in the system, increasing security and control spectacularly.

SMARTAIR is an electronic handle set or escutcheon, which provides a completely autonomous single door control and electronic master key system feature. SMARTAIR's special design and technology give important benefits and in comparison with mechanical key & cylinders or a wired online access control systems.

SMARTAIR VS MECHANICAL KEY SYSTEMS

WHAT HAPPENS IN AN INSTALLATION WHEN A KEY GETS LOST?

Security is lost:
···· The lost key can still open the door. With SMARTAIR lost card can be deleted from the system by just encoding a new card.
···· Keys can be copied. SMARTAIR user cards are encrypted.
···· If master key is lost, the security of whole system is compromised. With SMARTAIR the new card cancels the previous one, even if it is the master card or not.
···· Mechanical cylinder security structure and technology is well known by many manufacturers, ironmongers… SMARTAIR technology, encryption and design is under patent.

Installation needs new key(s) & cyilinder(s).
···· Now the installation is depending on the provider delivery time to manufacture. With SMARTAIR just encode a new card on your own, no need to wait, no hardware change.
···· SMARTAIR works with standard free cards of the market. Cards are cheaper than coded keys!

WHAT HAPPENS WHEN A NEW USER SHOULD BE ADDED?

Installation needs an exclusive new key.
···· Unless it is a copy of an existing key, it could be IMPOSSIBLE to manufacture an exclusive new user key due to combinatory limits. SMARTAIR accepts 65,000 users per installation.
···· User should be forced to carry several keys. With SMARTAIR user need only one card compatible for other purposes, as vending etc.
···· Installation depends on provider delivery time. With SMARTAIR you can do it by your own.

WHAT HAPPENS WHEN THERE IS A NEW DOOR?

Installation needs an exclusive new cylinder.
···· Unless it is a copy of an existing cylinder, it could be IMPOSSIBLE to manufacture an exclusive new user cylinder due to combinatory limits. SMARTAIR accepts 65,000 doors per system.
···· User could be forced to carry a new key to open this door. SMARTAIR allows you to open new doors with the existing card.

WHAT HAPPENS WHEN THERE ARE CHANGES ON THE PRIVILEGES OF AN USER?

Difficulties to manage, new key needed. With SMARTAIR previous card is still valid.

... AND EVEN MORE WITH SMARTAIR!

···· Allows to manage time and calendar privileges (impossible with keys!)
···· Add, delete users easily.
···· Cards are cheaper than keys!
···· Change privileges of users (no flexibility with keys & cylinders!)
···· Records events on its memory. Know who, where and when.

SMARTAIR VS WIRED ONLINE ACCESS CONTROL

WHAT DO I NEED TO INSTALL TO HAVE A WIRED ACCESS CONTROL SYSTEM ON A NEW DOOR?

Several different expensive modules:
···· Reader module.
···· Control unit.
···· Electrical blocking element.
···· Power supply.
SMARTAIR is a compact solution, just 2 economic electronic handles have it all!
Wire all modules and door lock. SMARTAIR is wire free!

HOW CAN I INSTALL AN WIRED ACCESS CONTROL ON AN EXISTING DOOR?

1 Wire the door for the blocking element.
···· If it is a fire resisting door, certificate is lost.
···· Necessary to dismount the door > Complete security lost.
···· Change existing lock.
···· Expensive.
SMARTAIR fits on an existing standard locks with no wires!

2 Wire wall for the reader module.
···· Sometimes it is not feasible.
···· Expensive.
SMARTAIR includes reader!

3 Install and connect control unit.
···· Sometimes it is not feasible to hidden it.
SMARTAIR has all the electronics and blocking mechanisms on the inside!

4 Connect all devices
Just to fit an electronic handle set on a door is all you have to do to install SMARTAIR.

Inox	Brass mate PVD	Polished brass PVD	Painted black
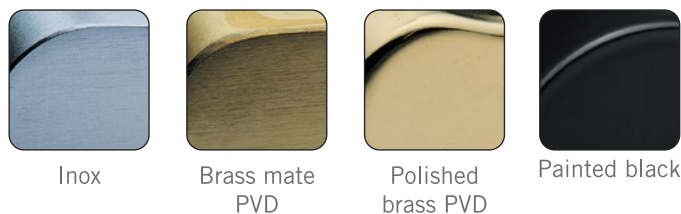
## WHAT HAPPENS WHEN COMMUNICATION ARE LOST OR POWER SUPPLY IS DOWN?

···· Door is blocked, or unlocked. No control at all.
With SMARTAIR, each door works offline not depending on communication.
SMARTAIR has the possibility to install a mechanical cylinder to open in case of emergency or run out batteries!

... AND EVEN MORE WITH SMARTAIR!

···· Durable and robust. Made of stainless steel.
···· Easy to install. Just two electronic handset fit on an standard mechanical lock.
···· Simple programming.
···· User friendly software and management.
···· Cheaper than only one component of an online system!
···· Design:
    ···· Architects are no longer forced to leave away the ergonomic and artistic design from doors that require electronic control.
    ···· Narrow design permits installation in al kind of aluminum and narrow profile doors.
    ···· Different models.

|		
Long plate	Visible cylinder	Hidden cylinder

Short plate
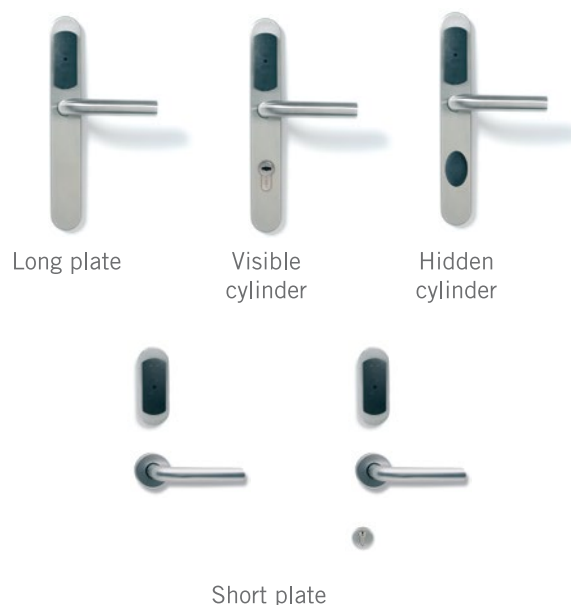
LINK TO THE FUTURE. NFC COMPATIBLE

Why not use your mobile phone to
open doors?
SMARTAIR is compatible with NFC
(Near Field Communication) mobile
phones.
Just as your user card, place the
mobile phone near the lock to
unlock.

LINK WITH THE MECHANICAL WORLD. DUAL KEY

Thanks to the SMARTAIR optimal
design, standard cylindersand keys
are able to open a door mechanically.
TESA has combined his long time
tradition on key manufacturing with
RFID modern cards. The result is
the DUAL KEY the perfect tool for
security and installation personnel.
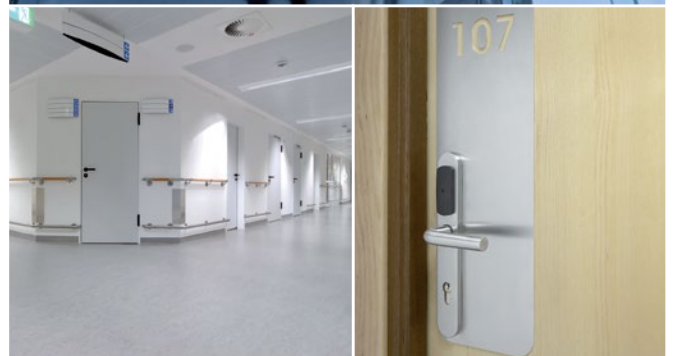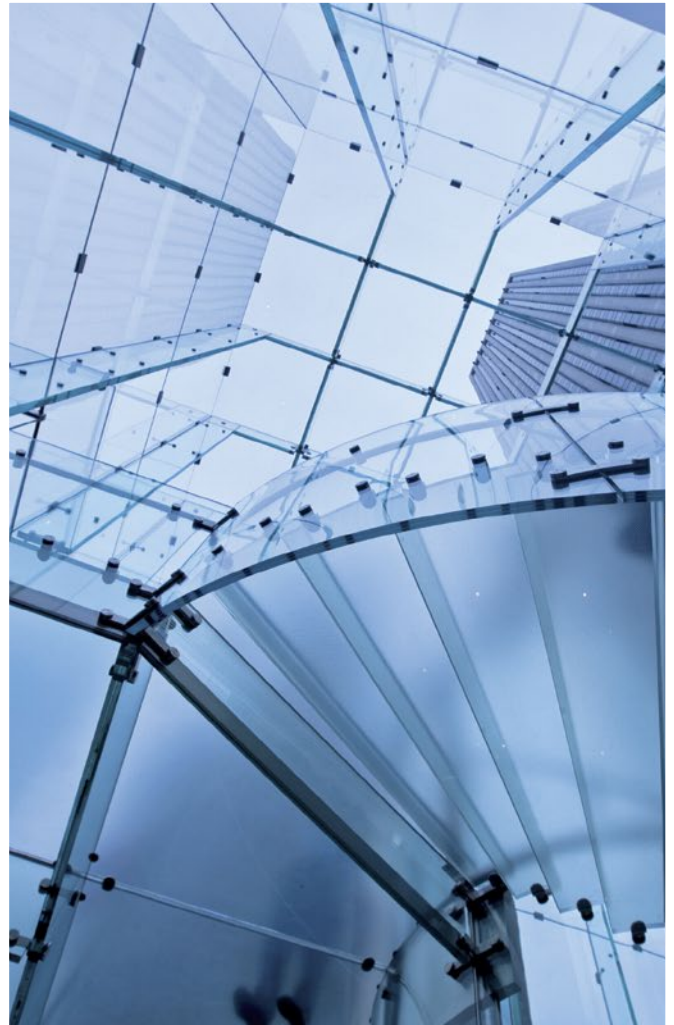
⊼ SMARTAIR   Smartair™ Wall Reader

A range of Smartair™ proximity wall readers are available for use where an electronic handle set option is considered unsuitable.

These units are fully compatible on any access control application, for example automated doors, turnstiles, barriers and elevators.

Through Smart design the proximity readers can be used on new applications or easily replace existing access control readers to become part of the Smartair™ access control management system.

Smartair™ proximity wall readers can be integrated with other products within the Smartair™ access control range.

Smartair™ proximity wall readers are designed with your needs in mind. Available as proximity only, keypad only or a combination of proximity and keypad. In addition a slim line proximity reader is available for applications where a discreet solution is required.

Smartair™ proximity wall readers can be administered by a simple stand alone card system through to an all encompassing wireless networked management system.

ONE LOCK,
A WORLD OF POSSIBILITIES

SMARTAIR adapts naturally to your installation independently of its size and the resources for programming or maintenance. If your installation needs grow lock can be upgraded with a simple programming change. You manage, you choose.

1

UPDATE ON LINE

SMARTAIR update on line fulfills the top requirements on access control installation needs.

The new generation of SMARTAIR lock systems, maintain all the benefits of the offline electronic locks but providing the solution to the attached problems of their own architecture. Portable programmer and user card memory-limit have become problems of the past. The future is now. Wireless technology does all work for you.

FEATURES AND BENEFITS

···· Wireless and centralized control of every door of the installation.
···· Several lock controlled by each communication hub. Economy and installation friendly product.
···· Automatic detailed lock audit and diagnostics (accepted users, denied users, battery status etc.).
···· Instant cancel of lost card / identifications.
···· Immediate adding or deleting of building user/personnel.
···· Change of time zone, clock & date synchronization, and system features immediately and at distance.

WIRELESS
TCP/IP
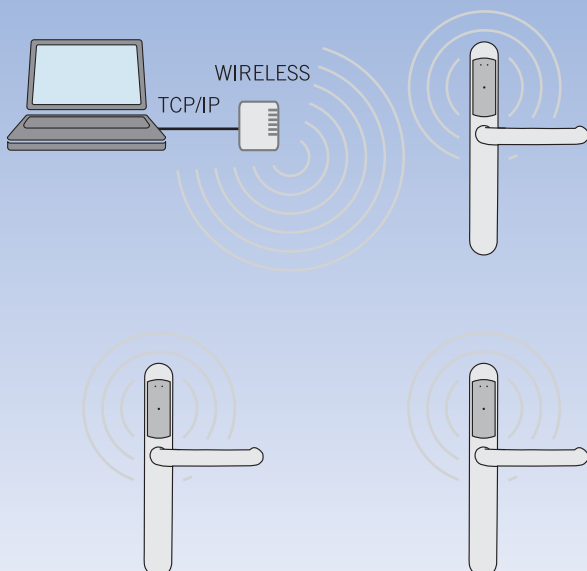
2

UPDATE ON CARD

Combine the best features of both offline and online access control systems. TESA update on card creates a global network on your installation taking advantage of the advanced read & write technology cards. Update your installation.

UPGRADE YOUR SECURITY

···· Collect events automatically. Know who, when and where.
···· Cancel users easily presenting the card. No need to reprogram the locks.
···· Automatic revalidation. Force users to update their card and keep them controlled.

UPGRADE YOUR COMMODITY

···· Avoid portable programmer for adding/delete users.
···· Avoid portable programmer to change user accesses on existing or new doors.
···· Centralize low battery warnings.

lock plan
data flow

lock plan
data flow

updating

audit trail -
lock status

TCP/IP
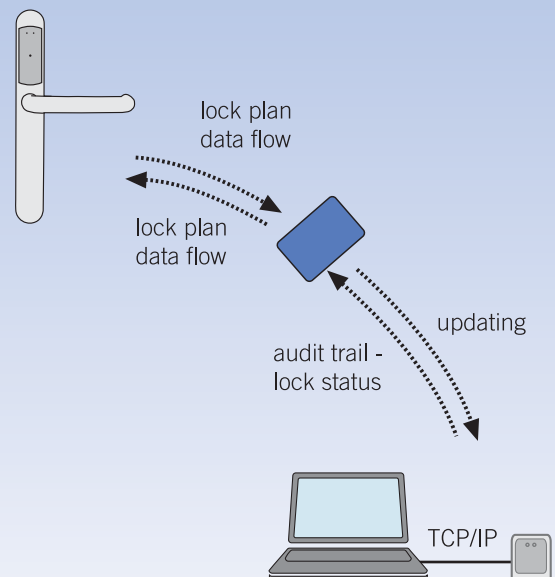
OFFLINE

COMPUTER MANAGEMENT
A SMARTAIR system is managed from a PC, giving your customers central control over the management of their door security. All doors are updated with new data via a portable programmer.

ISSUE NEW OR CANCEL STOLEN CARDS
The software allows you to easily manage card control.

IDENTIFY EVERY USER
Giving you a high level of access control.

AUDIT TRAILS
Tracking and monitoring of door usage.

AREA ZONES
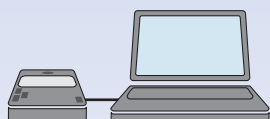Programme restrictions individually into each smartcard.

TIME ZONES
Allowing time restrictions to be built for each user.

1. Creation of the locking plan (users, doors, time zones, etc.).

2. Transmission of data to the portable programmer.
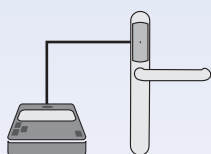
3. Programming of the locks, readers and cylinders using the portable programmer. As a security measure for carrying out this operation, the authorisation key must be inserted in the portable programmer.

4. Recording of credentials.
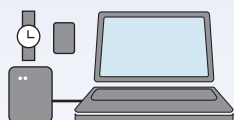
STAND ALONE: PLUG & PLAY

Why should small installations be forced to decline access control benefits? TESA presents the easiest and most economic way to have your access control.
Stand Alone SMARTAIR permits to add or delete users simply with the use of a programming card. No software or any other programming device is needed.
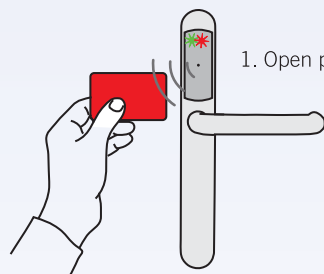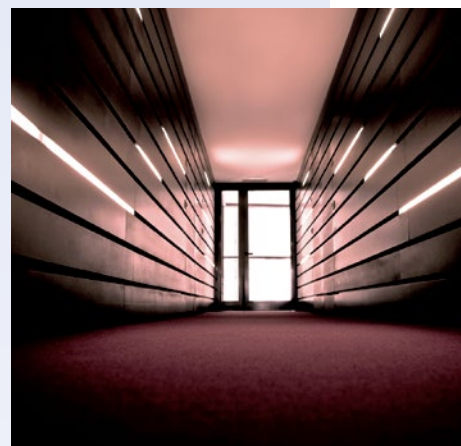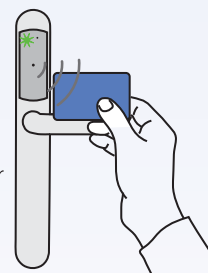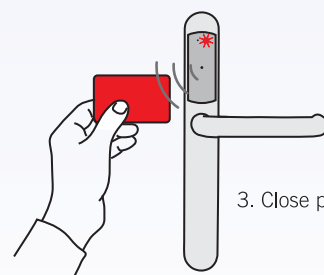
CD

SmartAir Encoder

PC

Portatil Programmer

1. Open program mode

2. Program user

3. Close program mode

≈ SMARTAIR Smartair™ E-motion Lock

The Smartair™ e-motion lock is designed to provide access control to cabinets, lockers, drawers or other applications with a similar locking design.

Requiring no mains power supply the Smartair™ e-motion lock is an excellent access control solution to these traditionally difficult to manage applications.

Operation of the Smartair™ e-motion lock by its design is very easy. Present your user card (or other credential) to the integral reader to unlock the unit.

Equally at home on metal, timber or composite applications the Smartair™ e-motion lock Is an ideal upgrade to original lock devices whose keys are readily available on the high street. The Smartair™ e-motion lock delivers high levels of controlled access and converts a traditionally low level security application to a higher level variant.

The Smartair™ e-motion lock can be administered by a simple stand alone card system or a PC based software management system.

Notes

From a single lock to the access control of the whole building. TESA provides integral solutions for global needs. A dwelling, a commercial building or a residential development require one single solution that can encompass everything from the access control to the emergency exit.

The key to our leadership is a totally user friendly, stand alone system that provides any building with the flexibility it needs to function safely in an ever changing and demanding security environment. TESA is more than just one of the main global manufacturers and suppliers of electronic locking solutions; we are also investing every year on new products and state-of-the-art technology, employing more than 700 people, exporting 40% of our production to highly competitive markets such as Europe, Latin America and the Middle East, or registering more than 200 patents (the result of our R&D). These are only numbers, but they say something about the scope of our goals.

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ASSA ABLOY, the global leader in door opening solutions