The only electronic locking system for hotels, halls of residence... that offers you an integral solution

www.tesa.es
What does TESA ASSA ABLOY offer that no-one else can offer?

THE ONLY INTEGRAL ACCESS CONTROL SYSTEM IN THE WORLD.
TESA ASSA ABLOY SOFTWARE

Check-in, pre check-in, check-out for guests.
Master cards for hotel staff, and also copies of the cards.
Card reading: identification of users.
Audit trail: a report of every opening / closing registered by the locks, cylinders, wall readers and safes.
Special cards: door blocking card, programming card, fail safe card, high traffic cancelling card, lost safe PIN card and safe master card.
Audit: the register of every operation performed by the software. Listing of doors: by floors, buildings, blocks, etc. Types of doors: rooms, suites, common access, access control, safes and high traffic.
List of users: by groups or individually. User personalisation.
Different levels for operators. Customised according to each hotel’s requirements.
30 time zones with five time periods.
255 calendars.
Multi-operational modes (free access, first user, double user, PIN, etc.)
Matrix: enables all the previous information to be cross-referenced, in order to decide which users are given access to which doors, on which days and at what times.

WALL READER UPDATER
READING AND WRITING (R/W)
It creates an online wireless virtual network between the locks (R/W) and the central system.
It collects the events registered in the locks by reading the card: optimum management of the staff’s activity (access attempts outside assigned times and shifts, etc.).
Battery level control with no need to test the lock.
The cancelling of master keys doesn’t require reprogramming the lock; therefore it’s not necessary to take the actual portable programmer to the lock.
New users are added to the system without having to reprogramme the locks.
Express cancellation: The locks will automatically cancel any cards lost by users to whom we prefer not to provide access.
Guests can extend their stay and be given access to communal areas without needing to go through reception.
Express Check-in allows the guest access to his/her room with their pass, without needing to queue at reception.

PORTABLE PROGRAMMER (PP)
Once the programme has been installed, it will initialize the locks and transmit to them the hotel’s access plan.
In case of emergency, it can activate opening depending on each authorization level.
It can also update the lock in case of time changes, etc., and also detect operative problems.
It receives the register of events from the locks (up to 1,000 per lock).

RFID PROXIMITY ENCODER
It records each user’s information in the credential’s chip (cards, wristbands, etc.) and reads the existing data.

MOTORIZED ENCODER
It reads and writes on the three tracks of the Magnetic Strip. It allows programming instructions for locks (track3), POS terminals (track2) and intelligent energy saving devices (track1).

ON LINE WIRELESS LOCKS AND WALL READERS

Locks and wall readers work like on-line RFID devices but without the need to wire the installation. Locks and software communicate in real time, instantly recording all the information from locks:
- User access.
- Non-authorized opening attempts.
- Opening attempts outside of schedules and shifts, guests’ access to hotel commodities.
- Remote report of locks with low battery level.
Any change made in the software database is updated in real time:
- Giving access to users and guests.
- Denying access to users and guests.
- Remote opening from the software.
- Remote recording of internal handle activation.
- Remote activation of pass mode.
- Time setting.
Software alarms:
- Wandering intruder: 3 attempts with the same card in different locks in less than 1 hour.
- Standing intruder: 3 attempts with different cards in the same lock in less than 1 hour (i.e. lost cards).
Alarms warning:
- In the software and via e-mail.
- Opened door, closed door and Intrusion; this requires door detector in the locks.
- Low battery detection.
- Internal handle detector (it registers the “openings” from the inside).
On-line Wireless technology, without the need to wire the locks.

ON-LINE WIRELESS TECHNOLOGY
On-line proximity locks with all the advantages of a real on-line system but without the costs of wiring the installation.
The locks and the software communicate in real time, instantly recording all the information stored in the locks and updating any change made in the software database.

SMARTPHONE KEYS
Users automatically receive the virtual key from the system via an app downloaded into their smartphones, enabling them to open their door. Access permissions will only be valid during the guest’s stay. Also valid for the use of hotel / installation staff. Enables remote lock opening.

ADVANTAGES FOR GUESTS
Prevents reception queues. Once the date of stay at the hotel arrives, the necessary access permissions will be automatically activated on their smartphones. Should another access permission be required, it may be requested without going down to reception.
Avoids worrying about the loss of keys/cards.
Check-out is automatic. Once the client’s hotel stay ends, hotel access automatically disappears from their smartphone.

ADVANTAGES FOR HOTEL STAFF
Sustainability: avoiding the use of cards reduces carbon imprint considerably, apart from representing hotel savings.
Avoids 24/7-duty reception staff for card turnovers.
The app key can be cancelled in real time.
Customisable with hotel/chain logo.
Enables room changes.
Late check-out.

UoC ADVANTAGES
Available Openow Reading and Writing:
-Collect all events in real time on an offline system.
-Add / delete new users to the system without need to reprogram the locks.
-Modify the access rights of existing users.
-Trigger alerts in the software and via email.

SMARTPHONE KEYS
Keys and cards are a thing of the past. Thanks to this app, guests and hotel staff can access their rooms and other hotel doors for which they are authorised through their smartphones, using Bluetooth® low-energy technology. These access permissions may be managed in real time by hotel staff.

ADVANTAGES FOR HOTEL STAFF
Sustainability: avoiding the use of cards reduces carbon imprint considerably, apart from representing hotel savings.
Avoids 24/7-duty reception staff for card turnovers.
The app key can be cancelled in real time.
Customisable with hotel/chain logo.
Enables room changes.
Late check-out.

NEW
**Donna lock. Security and flexibility.**

**IDENTIFICATION TECHNOLOGY**

**Magnetic stripe:** The most widely employed, and the most functional technology. Efficient (it supplies basic access control for the whole hotel) and cost efficient (due to the low cost of the cards).

Encrypted encoding of data onto the card.

Possibility to encode ISO codes in 1 and 2 tracks of the card to integrate it with other applications, TPV, etc.

**Proximity:** Reading and Writing Locks (R/W): collecting of events, card cancellation, updating of the locking plan, battery level, etc. with no need to use a portable programmer, using only the card or any credential.

It can be integrated with other applications that employ RFID proximity technology according to the ISO-15693 and MIFARE™ ISO-14443 A standards.

The credential that opens the door may come in several formats: a card, a tag, a wristband, etc.

**ELECTRONIC AND MECHANICAL SECURITY**

Latch with 17mm projection, therefore above the maximum degree established by the EN UNE 12209 standard.

Optional: ADB lock with automatic deadbolt projection: the deadbolt is always projected automatically, double security.

The handle turns freely when access is not authorized.

Optional: hidden emergency cylinder.

EXTREME (optional): waterproof model capable of resisting all climatic conditions. The lock is protected by sealing joints, its parts come with an anticorrosion finish, tropicalized circuits, an internal draining system, CM, CR, PVD finishes, etc.

**ADAPTABILITY**

Easily adaptable to all kinds of doors, whether a new door or the replacement of a former lock on an existing door.

**DESIGN**

Standard with TESA ASSA ABLOY logo.

Optional: customize with the hotel’s brand image. A wide range of handles and finishes in order to fit in with the hotel’s style.

TESA ASSA ABLOY is not responsible for possible design changes regarding the design of the photographs presented in the catalogue.

**Handles**

- HERMES
- TOLEDO
- JEREZ
- GRANADA
- KIRA
- BARCELONA
- ARKO
- FLARE
- SENA
- VECTOR

**Mortise locks**

- EURO / ABE
- ANSI
- DIN

**Accessories**

- Wall readers (see page 15).
- Safes and cabinet locks (see page 16).
- Energy saving devices (see page 17).

**Models**

- Donna: standard.
- Donna Extreme: waterproof.
- Donna Retrofit: refurbishments.
- Donna for glass doors.
Spy and Spy Design, the ideal lock for any installation.

RFID PROXIMITY IDENTIFICATION TECHNOLOGY
It solves the awkward reading mistakes frequent with the traditional contact chip systems.

The credential that opens the door can come in different formats: a card, a watch, a wristband, etc.

Reading and Writing Locks (R/W). Wireless and Openow options.

Combined with the Wall Reader Updater, it creates a virtual online network in the hotel with no need to wire the doors.

Self programming locks, ideal for small installations, because no management devices are required (encoder, portable programmer, software, etc.)

EXTREME (optional): waterproof model capable of resisting all climatic conditions.

The lock is protected by sealing joints; its parts come with an anti-corrosion finish, tropicalized circuits, watertight wiring ducts, finishes in Chrome, PVD, etc.

Compatible with mobile phones using the Wireless or Openow app.

ACCESS MANAGEMENT SYSTEM
Easy to learn and use: it easily assigns new users and doors, it modifies them or invalidates lost or stolen cards.

Windows® based.

DESIGN AND FUNCTIONALITY
Spy lock virtually compatible with any mechanical lock on the market.

- A wide range of handles to choose from.
- Its stylized design makes it possible to install it on any kind of door, e.g.: aluminium profiles, glass doors, sliding doors...

EXTREME (optional): waterproof model capable of resisting all climatic conditions.

The lock is protected by sealing joints; its parts come with an anti-corrosion finish, tropicalized circuits, watertight wiring ducts, finishes in Chrome, PVD, etc.

Compatible with mobile phones using the Wireless or Openow app.

Spy with hidden emergency cylinder

Spy Design

Spy with keypad

Spy
MINIMALIST DESIGN AND CUTTING-EDGE TECHNOLOGY

At TESA ASSA ABLOY, we innovate constantly to offer solutions adapted to the latest market requirements. As a result of this work, we present the i-volution electronic lock, created for those more demanding projects where minimalist design and cutting-edge technology are priority.

OUTSTANDING FEATURES

- The most advanced technology.
- Smartphone opening.
- Careful minimalist design.
- Secure encrypted communications.
- Total wireless online control.
- A wide range of finishes and handles.

A single platform, Tesa Hotel, and two systems: Read&Write or wireless online. Easily upgradeable to wireless online model.

- Collect events stored on the locks.
- Battery status monitoring.
- Access modification without lock updating.
- New user registration without lock updating.
- Express card cancellation.

TECHNICAL FEATURES

READER MODULE

- Identification technology: contactless Mifare Classic or ultralight 13.56MHz RFID chip. Blue and red operations LED. Buzzer for signal confirmation.
- Low battery signal (in real time over wireless system).

CONTROL MODULE

- Non-volatile memory (1000 openings).
- 30 time shifts.
- 20 status changes in operational mode (block, free access, etc.).
- 255 calendars, automatic DST.
- 1500 users.

BATTERY MODULE

- Three AAA alkaline batteries LR03 1.5V
- Estimated autonomy: 105,000 (wireless model) and 80,000 cycles (Read&Write model) or 3 years on standby approximately.
- Batteries easily changed, solely from inside the room, with no need to dismount the lock.

LOCK

- Auto deadbolt: 2.54cm – AAA norm.
- The motorised clutch in the mortise lock activates the outside handle. When the lock is closed, the outside handle turns freely to prevent forcing.
- Panic function: On turning the inside handle, the door opens even when automatic bolt and electronic privacy are activated.
- May be installed on door widths of between 30 and 110mm.

FULL DOOR CONTROL

Internal sensors that control doors left open, incorrectly closed and intrusion monitoring.
Record of emergency cylinder openings.

IDENTIFICATION TECHNOLOGIES

Smartphone solution for opening the locks (BLE technology): OpenNow app.

EMERGENCY CYLINDER

The i-volution electronic lock can be installed with an optional mechanical cylinder that enables the user to open the door in an emergency.
It records emergency openings in the lock’s opening auditor.

FINISHES

A variety of finishes: allows for black or white-finished outside reader, with black, white, chrome or brass finish ring. The different combinations allow the lock to adapt to any decor style, whether modern or classic.

Handles

TESA ASSA ABLOY offers a wide range of compatible handles to install in any style. In addition, other handles on the market can be installed subject to DIN (consult for other handle models).

Monaco

Sena

Vector

Sena

Sena

Obal

Kubika

Tundra

Zalica

Xara

FSB

Cubo

Xara

FSB

Cubo

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The Proximity Knob Cylinder is the ideal solution for special doors that require proximity, reading and writing, wireless technology or mobile opening.

**RFID PROXIMITY TECHNOLOGY**

It offers all the benefits of electronic locks in the format of a standard mechanical cylinder. R/W and RFID proximity technology allows you to improve the management of the access control system, enabling collection of events, card cancellation, locking plan updating, battery level, etc. Without using the portable programmer, using only a card or credential.

Combined with the Wall Reader Updater, it creates a virtual network in the hotel with no need to wire the doors and allowing guests to extend their stay without needing to go down to reception.

The wireless knob cylinder also offers all the benefits of online proximity locks with all the advantages of a real online system but without the costs of wiring the installation.

**NEW MODEL**

- More robust.
- Ergonomic and cutting-edge design.
- Higher variety of finishes (consult availables).

**IDENTIFICATION TECHNOLOGY**

Reading and Writing contact chip (R/W): collecting of events, card cancellation, updating of the locking plan, etc. All inside the electronic key, with no need to use a portable programmer.

Waterproof version: resistant to water and to adverse climatic conditions.

Great storing capacity and data protection. Up to 1,500 users – it can register the latest 1,000 events.

**SECURITY AND COMFORT**

The possibility of combining electronic locks, electronic cylinders and mechanical cylinders in the same installation to open with a single key. The possibility of a proximity-chip smart key compatible with other proximity devices of the platform.

Non-volatile key memory. It won’t lose information if the battery is used up or replaced.

Encrypted transmission of data between the cylinder and the key. Protected data, preventing the key from being duplicated.

**Security in all accesses.**

TESA ASSA ABLOY offers you security at each and every access point in your hotel, integrating the most sophisticated antiburglar device in order to prevent burglary.

**WALL READERS. FOR YOUR PEACE OF MIND**

In order to make your premises safer, you can place wall readers on perimeter doors, parking lots, lifts, health areas, swimming pools, both internally and externally.

**FEATURES**

Non-volatile memory: it can register the latest 1,000 events. Up to 1,500 users per reader.

Available in all technologies: RFID proximity according to the ISO-15693 and ISO-14443 standards A mifare®. Reading and Writing (R/W).

Operational options: off-line (autonomous), on-line wired using the Wall Reader Updater and on-line wireless, without the need to wire the installation. Compatible with Openow.

Available with a relay plate, two relays or eight relays for installation in lifts for up to 40 floors.
The strong range.

SAFES. INTERNAL SECURITY
Display for easy code entry.
Motorized opening and closing.
Laser-cut door, with optimized adjustments that prevent the safe from being levered off.
2 anti-drill 17 mm locking bolts.
No wires: 4 standard AA batteries.
Low battery warning: flashing LEDs.
Anticorrosion finish, tropicalized circuit.
Carpeted inside.
Emergency opening with a card or a portable programmer.
Outside dimensions of the safe: 200 (high) x 430 (width) x 350 mm (long).
Right side opening.
Non-volatile memory.
Register of the latest 1,000 events.
Audit of events.
Matt Black colour.
Door width: 6 mm, body: 2 mm.

MODELS
Keypad: the display makes it easy to enter codes. A register of up to 1,000 openings and/or opening attempts.
Magnetic Card + Keypad. Double security and double the advantages. If you want maximum security, choose the safe that combines card + keyboard. The hotel manager will decide whether to charge the guest for the use of the safe.
Proximity credential + Keypad. As with the Card + Keypad safe, it ensures double security and the decision of charging the guest for the use of the safe. With all the advantages of MIFARE™ proximity technology.

ADVANTAGES
- Energy saving: It reduces the electricity consumption in occupied rooms and it assures that there is no electricity consumption when the room is empty.
- Comfort: Luminous LED point to help the card insertion in the darkness; when the guest leaves the room and removes the card, electricity is automatically switched off.
- Courtesy time: It allows a “courtesy time” from the moment the guest removes the card. Optionally without timer.
- Intelligent: It operates only with the cards of your hotel, it doesn’t operate with any other type of card that is outside of the system of your hotel.

Cabinet locks. Relax for the guest.

The ideal solution for the hotel’s gym, sauna, swimming pool, spa, wellness, ski cabinets, etc.
A credential which allows the guest to move freely around the hotel: bedroom, common access areas and gain access to safes, energy savers and cabinet locks. Everything is managed from one single management platform. Possibility to install the cabinet locks without management devices.
Available in RFID proximity technology according to ISO-14443 A standard MIFARE™ CLASSIC.
Two models, one solution:
Motorized cabinet lock. Two operating modes:
- Fixed mode (hotel guests with the same card of their room they have assigned a cabinet lock). More than one user can open the same cabinet lock (skistorage, families...).
- Free mode (one card can be used at any free open cabinet lock).
It can be programmed for automatic opening, at a fixed time.
Emotion Locker: Enables event recording as well as shift and use timetable programming.

Saving and cost efficiency at all levels.

OFF-LINE ENERGY SAVERS
The TESA ASSA ABLOY intelligent energy saver controls and manages the electrical installation of the room. It allows the electricity in the room to be switched on after inserting a valid card and during the time that the card is in the energy saver.
It only works with hotel cards and it can discriminate among between different guests and staff cards.
It incorporates different technologies: Magnetic Strip or RFID proximity ISO 14443 A standard.
Possibility of simple energy savers; they do not distinguish if the card belongs to the installation.

ON-LINE ENERGY SAVERS
The online wireless energy savers transmit the presence of guests or staff in the rooms to the central system in real time. They display the room temperature to achieve maximum energy saving and guest comfort.
They can also turn off the air conditioner or heater when the client is not in the room (even having left the card inserted in the energy saver) or when opening the door or window (it requires motion sensor and/or door/window sensor).
Management of operations transacted: generates a database with all operations conducted.

SAFES / Cabinet locks / Energy savers
ID TESA document reader.

**Document Reader. Check-in Your Guests in Just One Second, No More Queuing in Reception**

Easy, quick and efficient solution for capturing and processing documents in reception.

- No more queuing in reception. You can do the reading in less than one second, with a specific device that avoids agglomerations.
- Elimination of filing costs.

ID TESA captures, reads and sends document information automatically to the management program (PMS).

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**Ideal solutions for emergency exits.**

**DOOR CLOSERS**

The NBE-CPI/96 standard requires that all hotel rooms are securely closed with door closers bearing the European EN-1154 certificate.

**PERIMETER AND COMMON ACCESS**

Emergency exits with electronically controlled external access (compatible with Spy locks).

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Solutions for tourism apartments and unattended reception counters

It is no longer necessary to have reception staff working 24/7, or to be present when handing over keys to tourism apartments. TESA ASSA ABLOY offers different solutions to improve the guest experience and simplify day-to-day management, capable of controlling these remotely.

**PIN LOCKS**

The system automatically sends to the guest an email informing them about the PIN code of the keypad that gives access to their room and common areas with a single code, as well as the date / time of entry and exit and their room number. The PIN code is cancelled automatically the day / time of the check out.

**CARDLESS ENERGY SERVER**

This device controls and manages electrical installation of the room without the need for a card. The energy saver is hidden in the room’s electrical panel; and works jointly with a volumetric sensor and a door sensor, detecting the presence of people in the room as well as the opening/closing of the door. This way, power in the room turns on when people are inside and turns off when the system no longer detects anybody.

**SMARTPHONE KEYS**

Guests automatically receive from the system a virtual key in Openow app, that allow him to open his door and common doors. Opening permissions will only be valid during the guest’s stay. Also for the use of hotel / installation staff. Enables remote lock opening.

App TESA Hotel available for remote opening of wireless locks.

**SELF PROGRAMMING SPY LOCK WITH KEYPAD**

The simplest, most economical solution for small hotels with no programming software or card recorder. A simple kit of programming cards enables the recording of access cards for both guests and installation staff.

The guest may be given an access code as well as a card.
- Fast and easy to install – no cables.
- Creates up to 500 user cards.
- 100 PINs of 4 to 6 digits.
- Easy to handle, no need for software, card encoder nor portable programmer.