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

www.tesa.es

ASSA ABLOY, the global leader
in door opening solutions

What does TESA ASSA ABLOY offer that no-one else can offer?

THE ONLY INTEGRAL ACCESS CONTROL SYSTEM IN THE WORLD.

Access control

Common access points, cabinet locks, escape routes and emergency exits

Room / reception equipment

Other doors

Check-in

The only system that makes it easy to manage and maintain your access control.

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.
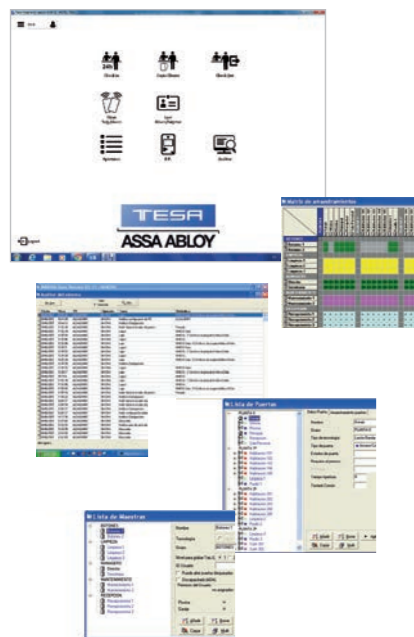
List of users: by groups or individually. User personalisation.

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.

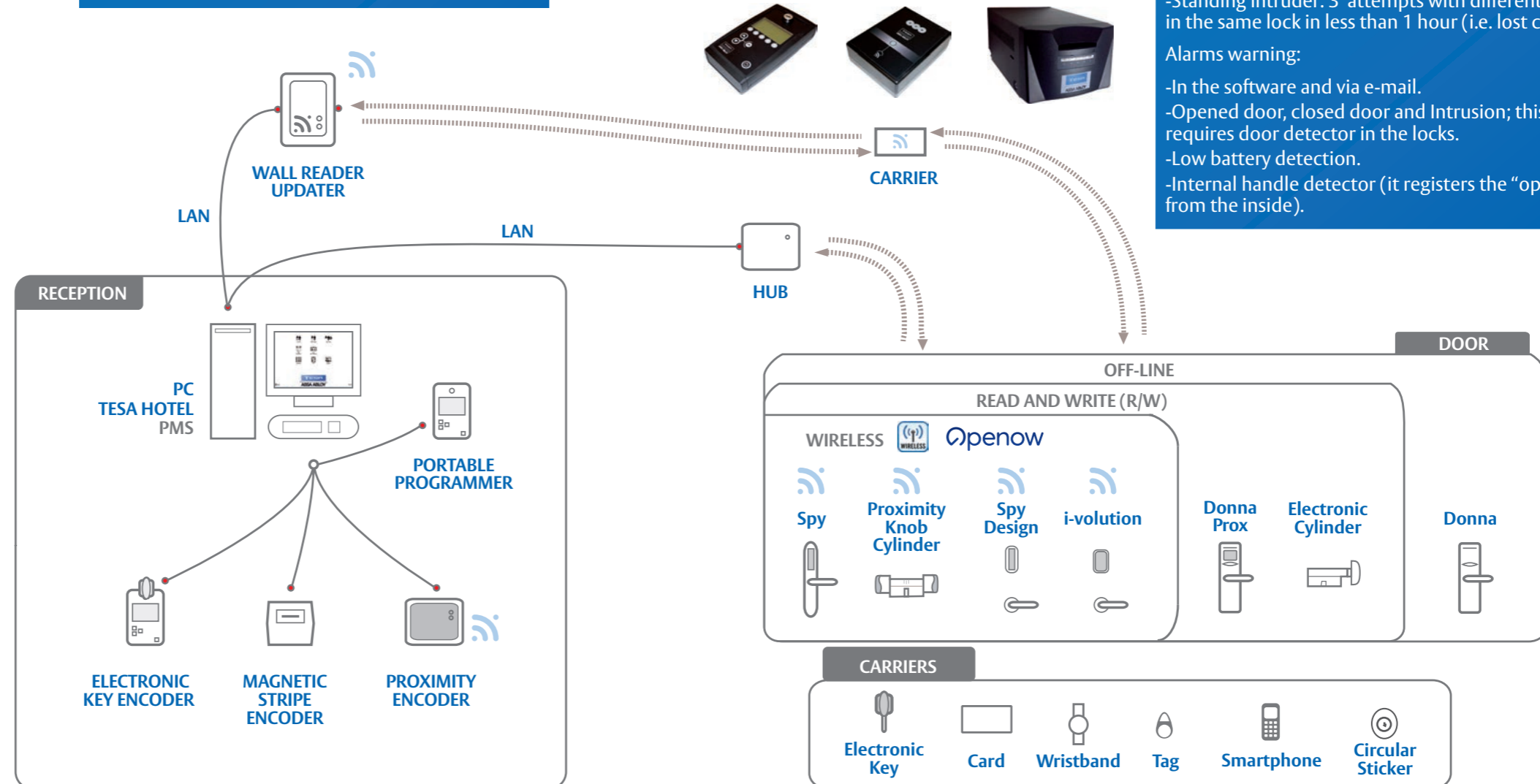Any change made in the software database is updated in real time:

-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.
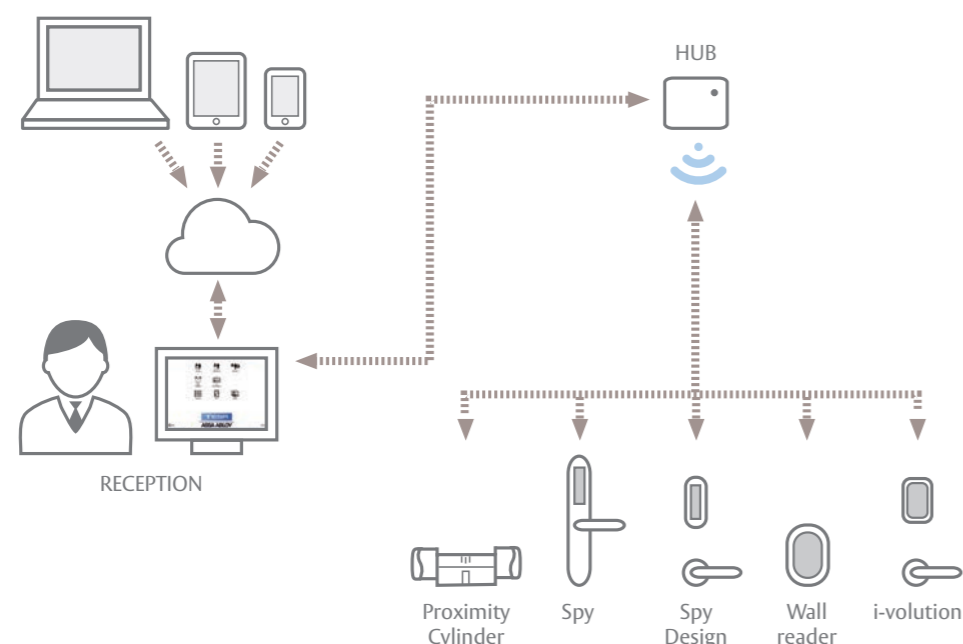-Internal handle detector (it registers the "openings" from the inside).

WALL READER UPDATER

LAN

LAN

CARRIER

HUB

RECEPTION

PC
TESA HOTEL
PMS

PORTABLE PROGRAMMER

ELECTRONIC KEY ENCODER

MAGNETIC STRIPE ENCODER

PROXIMITY ENCODER

DOOR

OFF-LINE

READ AND WRITE (R/W)

WIRELESS · Openow

Spy

Proximity Knob Cylinder

Spy Design

i-volution

Donna Prox

Electronic Cylinder

Donna

CARRIERS

Electronic Key

Card

Wristband

Tag

Smartphone

Circular Sticker

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.

HUB

RECEPTION

Proximity Cylinder | Spy | Spy Design | Wall reader | i-volution

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.

Openow
The technology that turns your smartphone in the key of your hotel room

SMARTPHONE KEYS

Keys and cards are a thing of the past. Thanks to this app, guests or/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.

UoC ADVANTAGES

NEW

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.

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.

Donna lock.
Security and flexibility.

Donna Extreme

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™ CLASSIC 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.

Donna Proximity

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.

Donna with panic bar

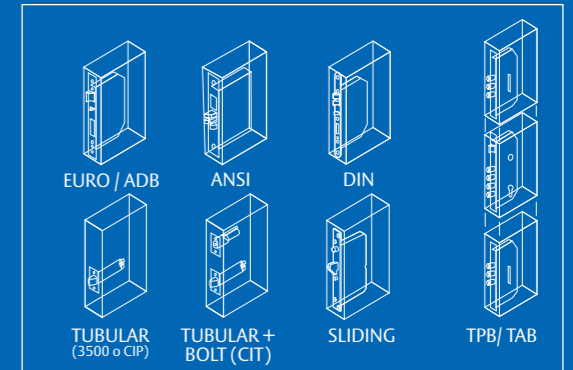Complies with UNE-EN 1125 and 179 standards.

Magnetic stripe Donna / Donna Proximity

Models
Donna: standard.
Donna Extreme: waterproof.
Donna Retrofit: refurbishments.
Donna for glass doors.

Handles

HERMES		TOLEDO	
JEREZ		GRANADA	
KIRA		BARCELONA	
ARKO		FLARE	
SENA		VECTOR	

LP Polished Brass	LM Satin Brass	CR Satin Chrome	CM Satin Chrome
LA Antique Brass	LPD Polished Brass - PVD	LMD Satin Brass - PVD	NE Satin Brass

Mortise locks

EURO / ADB	ANSI	DIN	
TUBULAR (3500 o CIP)	TUBULAR + BOLT (CIT)	SLIDING	TPB/ TAB

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

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.

MIFARE™ CLASSIC   MIFARE™ DESFire™   SKIDATA   iCLASS by HID
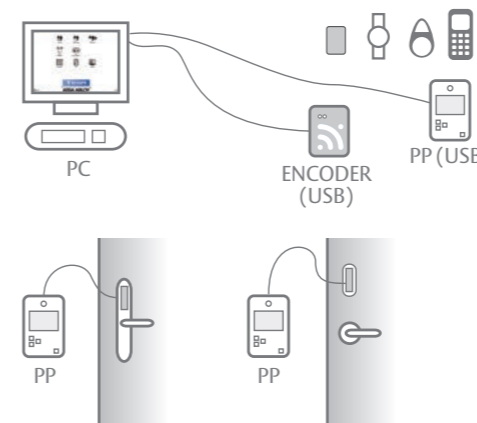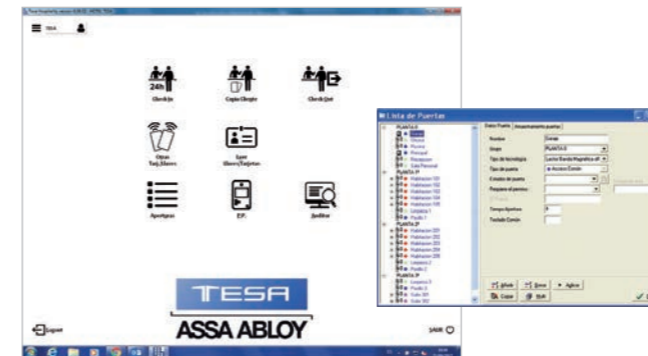
Spy Design

Spy with keypad

Spy with hidden emergency cylinder

Spy

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.

PC   ENCODER (USB)   PP (USB)   PP   PP

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...
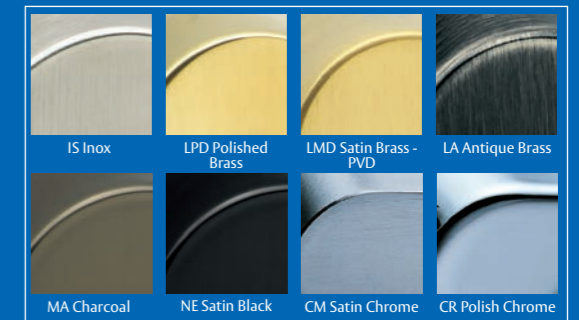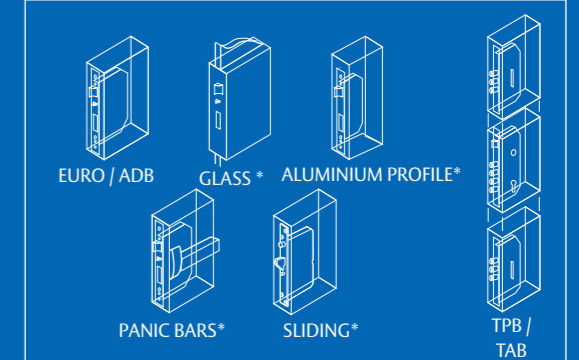
Models
Spy: RFID proximity lock.
Spy: proximity lock with keypad.
Spy Design: reader is independent from the handle.

Handles

SENA	XARA
VECTOR	ZAFIRA
DELTA	ARKO
OTHERS: ASK TESA ASSA ABLOY	FSBE

| IS Inox | LPD Polished Brass | LMD Satin Brass - PVD | LA Antique Brass |
| MA Charcoal | NE Satin Black | CM Satin Chrome | CR Polish Chrome |

Mortise locks

EURO / ADB   GLASS *   ALUMINIUM PROFILE*

PANIC BARS*   SLIDING*   TPB / TAB

*Only Spy (NOT Spy Design)

Accessories
Wall readers (See page 15).
Safes and cabinet locks (see page 16).
Energy saving device (see page 17).

i·volution
When design and technology create something exclusive

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 minimalistic 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 upgradable 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.

FULL DOOR CONTROL

Internal sensors that control doors left open, incorrectly closed and intrusion monitoring.

Record of emergency cylinder openings.

IDENTIFICATION TECHNOLOGIES

RFID: MIFARE 14443A. Security: card information protected and encrypted.

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

Remote smartphone opening solution (internet): TESA HOTEL 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.

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.

OPERATING CONDITIONS

- Humidity: Up to 85% without condensation.

- Outside temperature between -20º and 70º.

- Interior between 0ºC and 50ºC

- Fire: Lock certified fire-resistant for 60 minutes (RF60 – EN1634).

- Certificates: CE (EMC, R&TTE) / ROHS, REACH, WEE / IP56 / EN 14846 / EN12209 / RF60
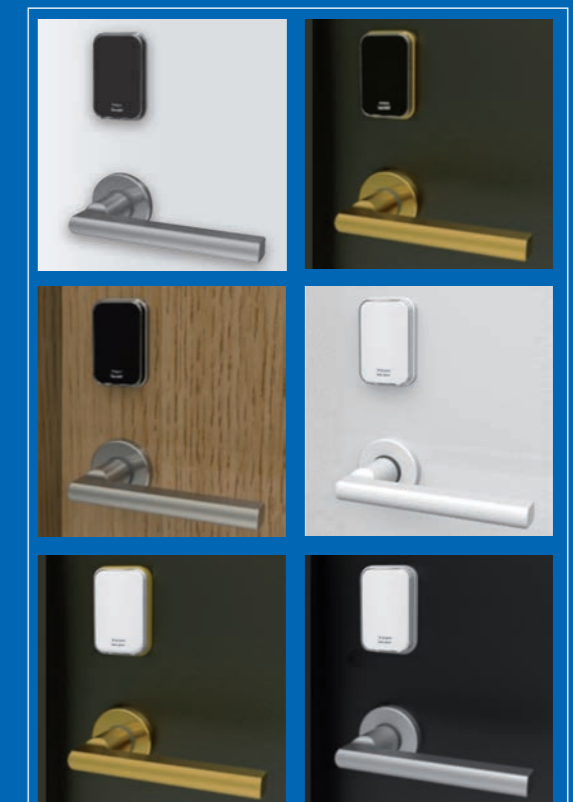
Handles
TESA ASSA ABLOY offers a wide range of compatible handles to install in any style. In addition, other handles on the market can be installed subject to DIN (consult for other handle models).

Vector

Sena

Cubo

FSB

Xara

Zafira

Kubika

Obal

Tundra

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.

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

Proximity knob cylinder

NEW MODEL

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

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.

The only access control system combining electronic and mechanical cylinders.

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.

C-Tec

Security in all accesses.

Spy Design wall reader

Spy wall reader

Spy with keypad wall reader

Wall Reader Updater

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.
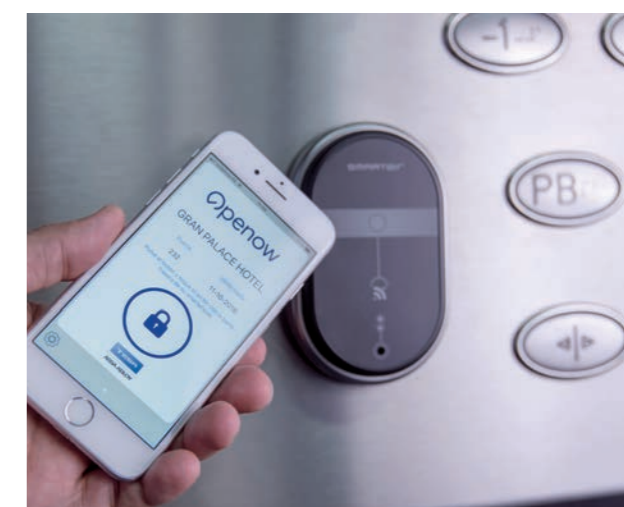
FEATURES

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).

MIFARE™ CLASSIC   MIFARE™ DESFire™   SKIDATA   iCLASS by HID

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.

14

15

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**™ CLASSIC proximity technology.

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.

Motorized cabinet lock

Emotion locker with opening and timetable control.

Saving and cost efficiency at all levels.

Energy saver

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.

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 14443A **MIFARE**™ CLASSIC standard.

Possibility of simple energy savers; they do not distinguish if the card belongs to the installation.
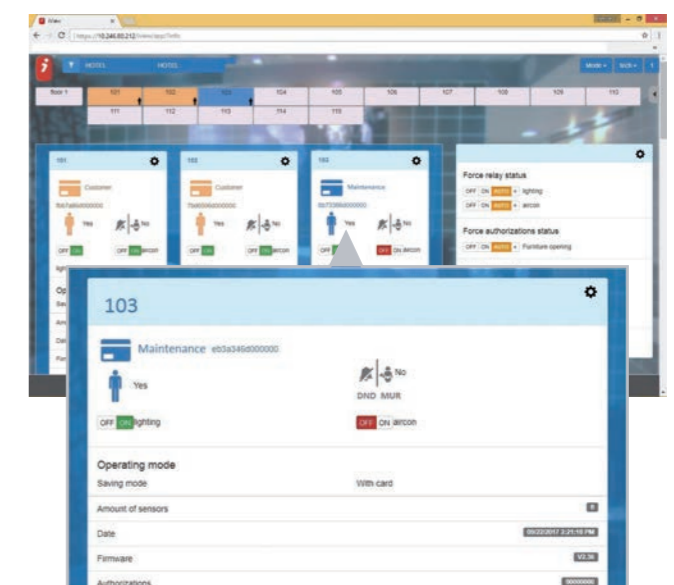
ON-LINE ENERGY SAVERS

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.

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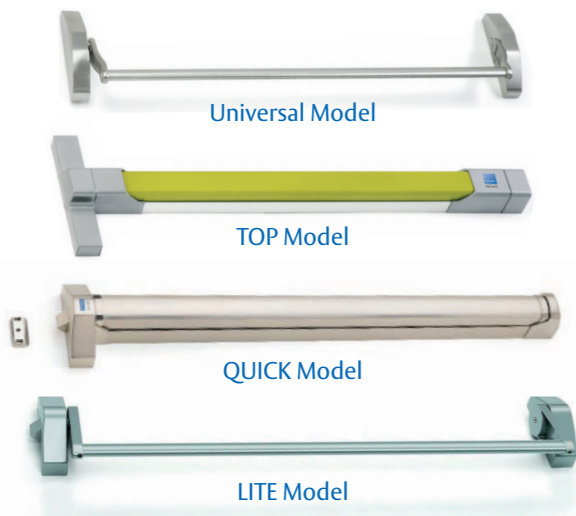
No more queuing in reception. You can do the reading in less than one second, with a specific device that avoids agglomerations. Elimination of filing costs.

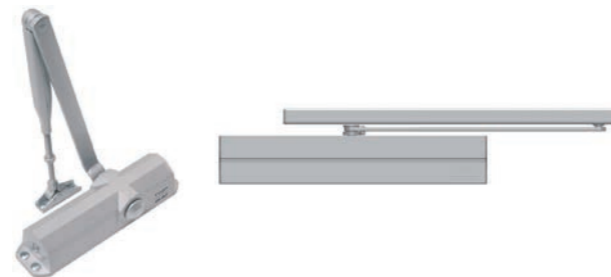ID TESA captures, reads and sends document information automatically to the management program (PMS).

ID TESA

Ideal solutions for emergency exits.

Universal Model

TOP Model

QUICK Model

LITE Model

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

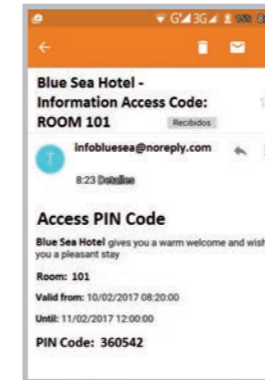Emergency exits with electronically controlled external access (compatible with Spy locks).

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.

Blue Sea Hotel -
Information Access Code:
ROOM 101

info@bluesea@noreply.com

8:23

Access PIN Code

Blue Sea Hotel gives you a warm welcome and wishes you a pleasant stay

Room: 101

Valid from: 10/02/2017 08:20:00

Until: 11/02/2017 12:00:00

PIN Code: 360542

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.

Volumetric sensor

Door sensor

Embedded volumetric sensor

Embedded door sensor

ASSA ABLOY, the global leader
in door opening solutions

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TESA

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in door opening solutions