



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



**ASSA ABLOY**



Access control



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



Room equipment.



Other doors.



Check-in.



# What does TESA offer that no-one else can offer?

THE ONLY INTEGRAL ACCESS CONTROL SYSTEM IN THE WORLD



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

## TESA 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.

14 time zones with five time periods.

Calendar.

Multi-operational modes (free access, first user, double user, 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.

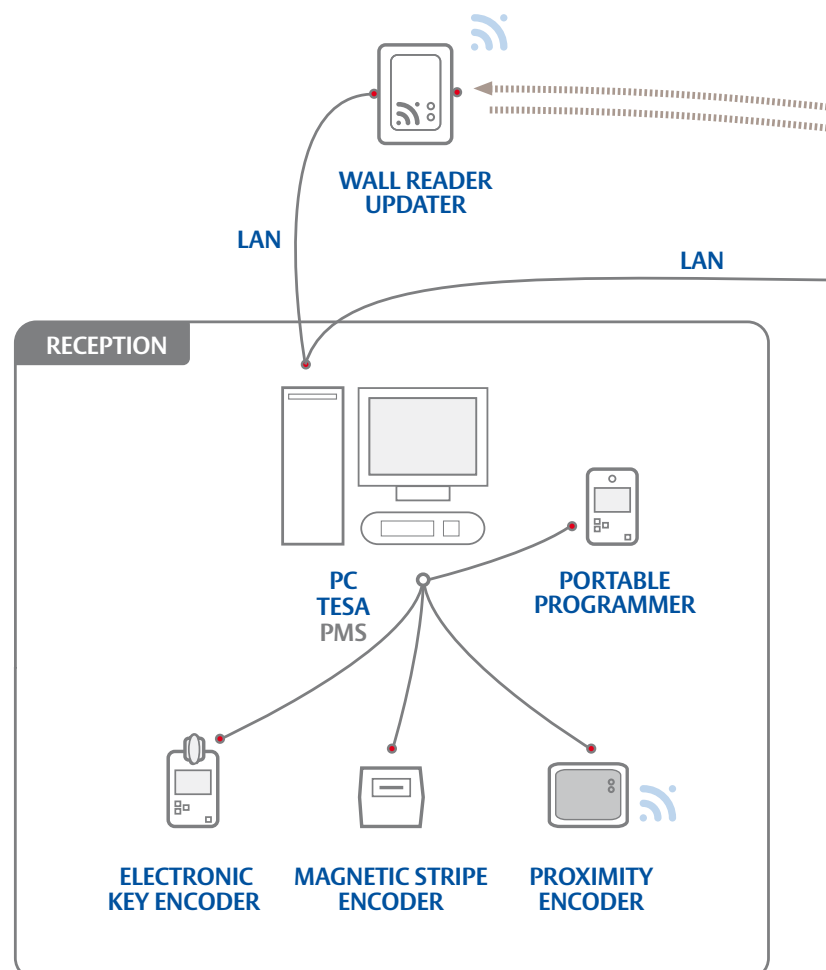
The cancelling of master keys doesn't require reprogramming the lock; therefore it's not necessary to take the actual portable programmer to the lock.

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.



New

### PORTABLE PROGRAMMER

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).

### 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).

### RFID PROXIMITY ENCODER

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

### 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:

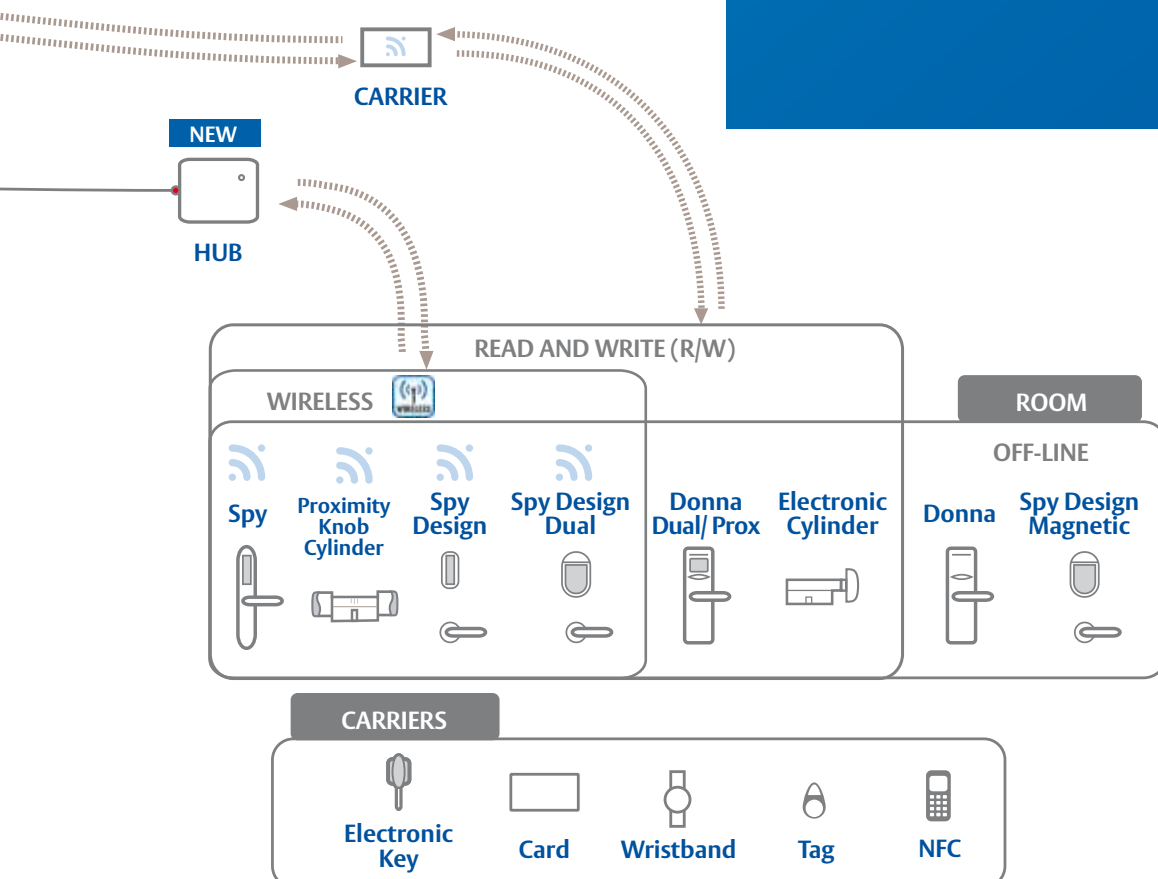
- User access.
- Non-authorized opening attempts.
- Opening attempts outside of schedules and shifts, guests' access to hotel commodities.
- Remote report of locks with low battery level.

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

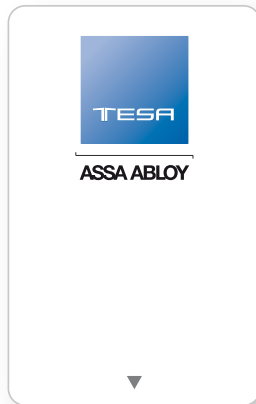
- Giving access to users and guests.
- Denying access to users and guests.
- Remote opening from the software.
- Remote recording of internal handle activation.
- Remote activation of pass mode.
- Time setting.

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).



# Magnetic strip Donna lock. Security and flexibility.



## IDENTIFICATION TECHNOLOGY

Magnetic strip: 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.

Lost cards can be easily and securely cancelled.

## 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.

Optional: with keypad.

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 with keypad

# Donna Proximity, all the benefits of RFID proximity locks.

## RFID PROXIMITY IDENTIFICATION TECHNOLOGY

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 watch, a wristband, etc.

Compatible with NFC mobile phones (Near Field Communications).

Complies with UNE-EN 1125 and 179 standards.



NFC



Donna with panic bar

## DESIGN

Standard with TESA logo. Optional: customize with the hotel's brand image (Donna ProxSupreme).

A wide range of handles and finishes in order to fit in with the hotel's style.



Donna Proximity

# Donna Dual, the only lock that brings you both RFID proximity and magnetic strip technologies in the same lock.

## DUAL IDENTIFICATION TECHNOLOGY:

### RFID PROXIMITY AND MAGNETIC STRIP

TESA is the only manufacturer able to combine the costefficiency of the magnetic strip (guest cards) with the advantages of RFID proximity technology, making it possible to improve the management of staff activity.

Reading and Writing Locks (R/W).

Combined with the Wall Reader Updater, it creates a virtual online network in the hotel with no need to install wires on the doors



Updater



Donna Dual

## FUNCTIONALITY

The batteries on the external side make replacement easy – no need to disturb the guests.

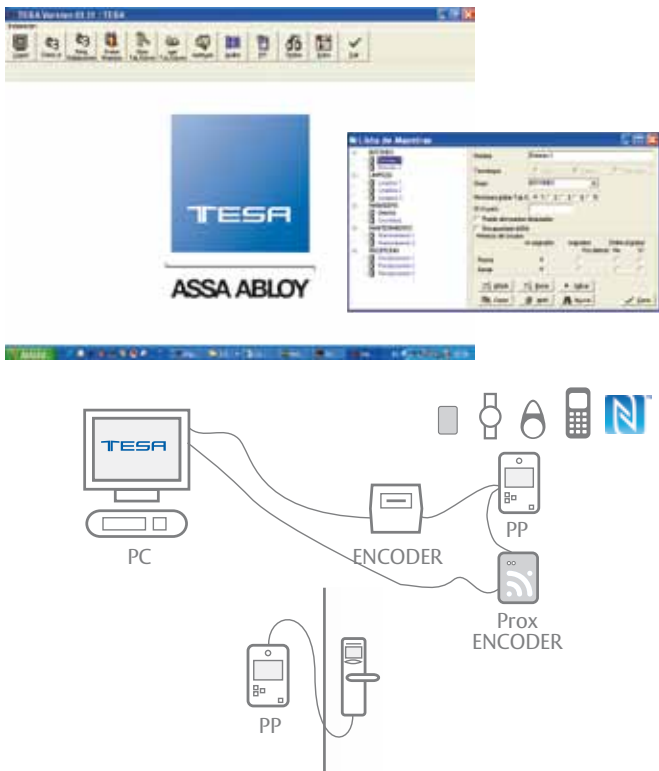
Electronic privacy prevents the cleaning staff from entering the room when the guest is in.



## 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.



## ADAPTABILITY

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

## 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 lever projection: the deadbolt is always projected automatically for double security.

The handle turns freely when access is not authorized.

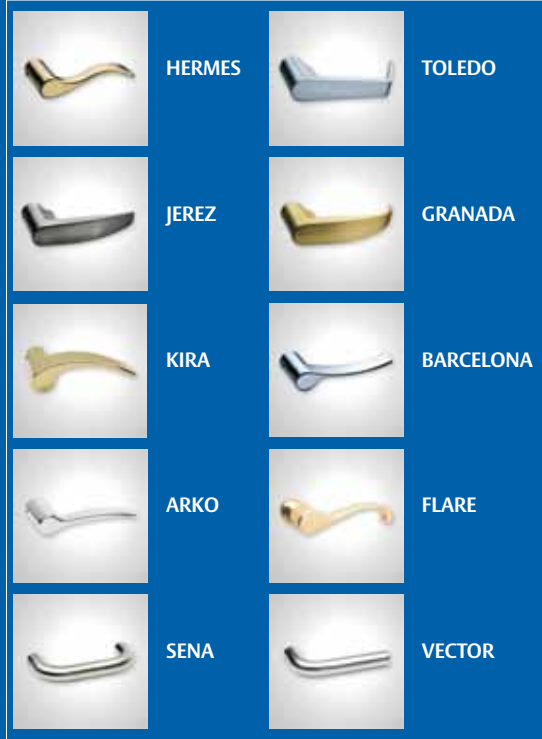
Optional: hidden emergency cylinder – emergency opening.

Extreme: optional model capable of resisting all climatic conditions.

## Models

Donna: standard.  
 Donna Extreme: waterproof.  
 Donna Supreme: customized.  
 Donna Supreme extreme: customized and waterproof.  
 Donna Retrofit: refurbishments

## Handles

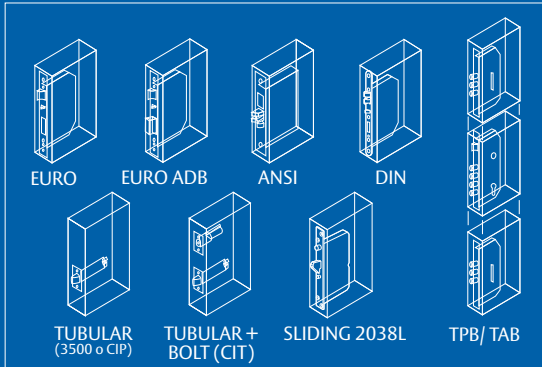


## Finishes

Finishes with PVD treatment come with a lifetime – guarantee (10 years), which makes the finish unalterable.



## Mortise locks



## Accessories

Wall readers (see page 16).

Energy saving devices (see page 18).

Safes (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**).

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 NFC mobile phones (Near Field Communications).



NFC



Spy



Spy Design



Spy with hidden emergency cylinder

# Spy Design Dual, offers RFID proximity and magnetic strip technologies with an innovative design.

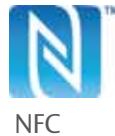
## DUAL IDENTIFICATION TECHNOLOGY: RFID PROXIMITY AND MAGNETIC STRIP

It combines the cost-efficiency of the magnetic strip (guest cards) with the advantages of RFID proximity technology, making it possible to improve the management of staff activity.

Reading and Writing Locks (R/W).

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

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



Spy Design Dual (optional: emergency cylinder)

# Spy Design Magnetic, a state-of-the-art, modern and contemporary design.



## IDENTIFICATION TECHNOLOGY

Magnetic strip: 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).

Lost cards can be easily and securely cancelled.

Possibility of upgrading to Spy Design Dual without the need to change any component or manipulate the door.

Possibility to easily upgrade the magnetic technology to Dual technology (RFID + Magnetic Stripe).

## ELECTRONIC AND MECHANICAL SECURITY

Anti-tampering design: The handle spins freely when access is not authorized. All the electronic circuitry, the clutch and the batteries are located inside the door.

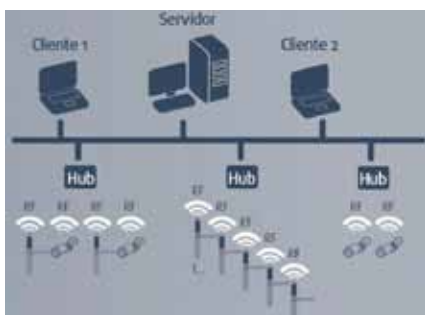
Optional: hidden emergency cylinder.

# On-line Wireless technology, without the need to wire the locks.

## SPY AND SPY DESIGN WIRELESS

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.



Spy Wireless



NFC



Spy Design Dual Wireless

Spy Design Magnetic Wireless

## SPY DESIGN DUAL WIRELESS

It combines the cost-efficiency of the magnetic strip (guest cards) with the power of RFID proximity technology, making it possible to improve the management of staff activity. With the advantages of Wireless technology.

## SPY DESIGN MAGNETIC WIRELESS

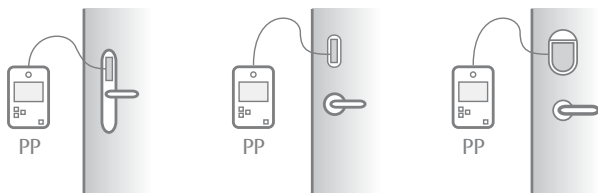
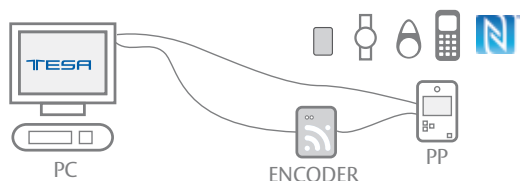
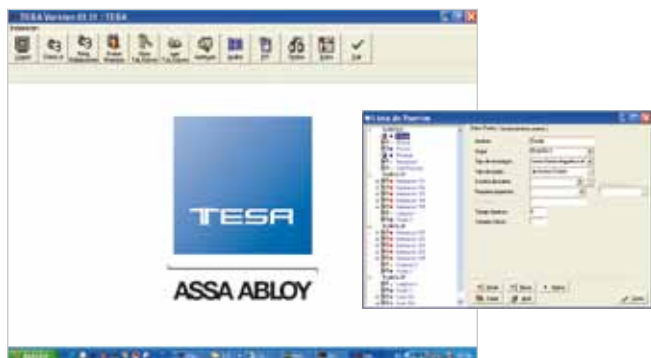
Magnetic strip: The most widely employed, and the most functional technology. Efficient (it supplies basic access control for the whole hotel) and cost-efficient (due to the low cost of the cards). With the advantages of Wireless technology.

Possibility to easily upgrade the magnetic technology to Dual technology (RFID + Magnetic Stripe), without the need to disassemble the lock from the door.

## 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. Handles by other manufacturers can be installed too.

-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 Design: reader independent from the handle.  
Spy Design Dual.

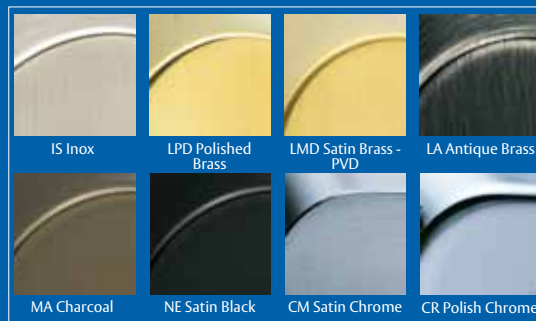


## Handles

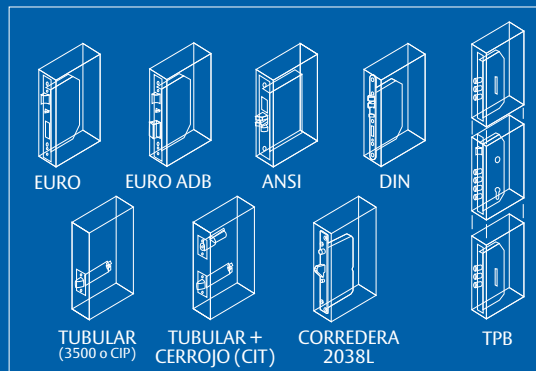


## Finishes

Finishes with PVD treatment come with a lifetime – guarantee (10 years), which makes the finish unalterable.



## Mortise locks



## Accessories

Wall readers (See page 16).

Energy saving device (see page 18).

Safes (see page 17).



# 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.

Combined with the Updating Reader, it creates a virtual online network in the hotel with no need to install wires on the doors.

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

Encrypted transmission of data between the cylinder and the key.



C-Tec

## SECURITY AND COMFORT

All the monitoring elements are protected inside the cylinder.

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

It can combine electronic locks, electronic cylinders and mechanical cylinders in the same installation.

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

Protected data, preventing the key from being duplicated



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



## 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.



Proximity knob cylinder



## Mifare Combi Key.

The only credential that allows you to manage RFID proximity electronic locks, cylinders and TESA mechanical master keys, like the patented systems T80, TX80 and TK100.

At the same time, Mifare Combi Key can be used to open the electronic locks mechanically in emergency situations.



# Security in all accesses.



Spy Design wall reader

TESA 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.

Antipassback function ensures that the same credential is not used fraudulently by different users.



Spy wall reader

## FEATURES

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

Available in all technologies: magnetic strip, RFID proximity according to the ISO-15693 and ISO-14443 standards A Mifare and dual (magnetic stripe and RFID proximity). Reading and Writing (R/W) option.

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

Possibility to easily upgrade the magnetic technology to Dual technology (RFID + Magnetic Stripe), without the need to disassemble the lock from the door.



Spy with keypad wall reader



## ADVANTAGES OF A WIRELESS SYSTEM

The wall readers and the software communicate in real time, instantly recording all the information stored in the locks:

- User access.
- Non-authorized opening attempts and attempts of opening outside of schedules and shifts.
- Guests' access to hotel commodities.

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

- Giving access to users and guests.
- Denying access to users and guests.
- Remote opening from the software.
- Remote activation of pass mode.
- Blocking/unblocking the door.
- Time setting.



Spy Dual wall reader  
Spy Magnetic wall reader



Wall Reader Updater



# 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 17mm locking bolts.
- No wires: 4 standard AA batteries.
- Low battery warning: flashing LEDs.
- Anticorrosion finish, tropicalized circuit.
- Carpeted inside.
- 2 holes in the base, 2 holes at the back.
- Emergency opening with a card or a portable programmer.
- Laptop size: 195 x 400 x 410.
- Right side opening.
- Non-volatile memory.
- Register of the latest 1,000 events.
- Audit of events.
- Matt Black colour.
- Door width: 6mm, body: 2mm.



## 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.

# Motorized 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 single 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**® .

Two operating modes:

Fixed mode (hotel guests with the same card of their room they have assigned a cabinet lock).

Free mode (one card can be used at any free open cabinet lock).

More than one user can open the same cabinet lock (skistorage, families...).

It can be programmed for automatic opening, at a fixed time.



# Saving and cost efficiency at all levels.



Energy saver



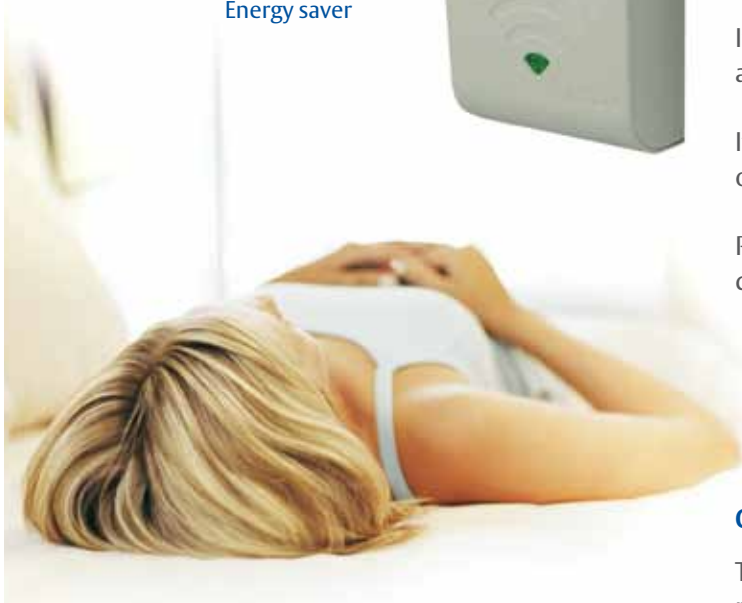
## OFF-LINE ENERGY SAVERS.

The TESA 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**® standard.

Possibility of simple energy savers; they do not distinguish if the card belongs to the installation.



## ADVANTAGES

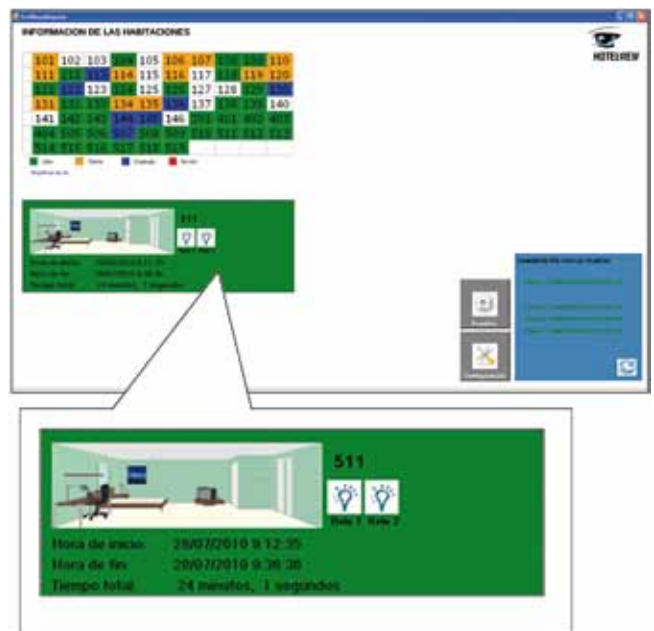
- Energy saving: It reduces the electricity consumption in occupied rooms and it assures that there is no electricity consumption when the room is empty.
- Comfort: Luminous LED point to help the card insertion in the darkness; when the guest leaves the room and removes the card, electricity is automatically 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.
- Modularity and flexibility: It adapts to hotel requirements and it is compatible with different reception operating systems.
- Management of events: It creates a database with events registered.



## 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.

It enables individual user access to be denied.



# ICAP 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.

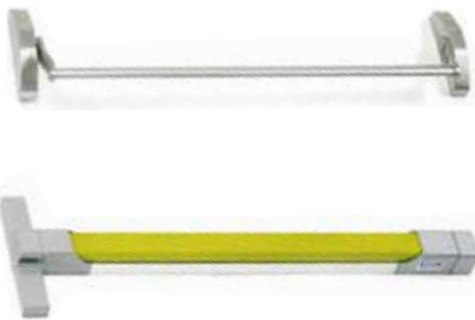
No more queuing in reception. You can do the reading in less than one second, with a specific device that avoids agglomerations. Elimination of filing costs.

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



ID TESA

# 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 ACCESS

Emergency exits with electronically controlled external access (access with handle).



## DOOR CLOSERS

High security traffic control with an electromagnetic lock.

Shared doors.



**TALLERES DE ESCORIAZA, S.A.U.**

Bº Ventas, 35  
E-20305 Irun (Spain)  
Tel: +34 943 669 100  
Fax: +34 943 633 221  
[www.TESA.es](http://www.TESA.es)



**ASSA ABLOY**

ASSA ABLOY, the global leader  
in door opening solutions.

