i-minimal
Electronic lock

TESA

ASSA ABLOY

TESA's most advanced electronic hotel lock. A lock with a minimalist and innovative design. Advanced technology provides any hotel with a complete access control system and an aesthetic that minimizes the visibility of lock components.

Your lock merges with the door itself. All electronic components are hidden inside the door, reducing aesthetic impact to a minimum.

Experience a safer and more open world

Includes internal electronic privacy button

Technical information

	Volume of traffic	Up to 3000 users Registration of new users without updating locks
	Exterior use	Humidity: Up to 85% without condensation Outside temperature between –20°C and +70°C Indoors between 0°C and +50°C
	Hardware compatibility and installation	Wide compatibility with a range of handles, including the option to install other handles on the market with DIN fittings. Doors from 30mm to 110mm thick
	Power supply	Batteries (approx.. 80,000 to 105,000 cycles)* Max. 3 years on standby Battery type: 3x AAA LR03 1.5V alkaline batteries
	Multi-factor authentication	RFID MIFARE® 14443A (cards, keyrings, bracelets, etc.); opening via smartphone app
	Status information	Interior privacy buttom. Sensors in the lock monitor closed, open and incorrectly closed doors and intrusions. Record of emergency opening with mechanical cylinder (Optional)
	Certifications	EC (EMC, R&TTE), ROHS, REACH, WEE, IP56, EN 14846, EN 12209, EN 1634 (Fire)
	RFID technologies	Contactless 13.56MHz RFID chip, MIFARE Classic, Ultralight
	Compatible mobile solutions	Openow™ (Bluetooth Low Energy) TESA Hotel (Remote opening App)
	Scalable management system	Wireless/Openow ready by default, allowing you to upgrade to these systems later

* Depending on reading technology

Technical characteristics: electronic

1. Reader module
- 13.56MHz RFID technology: MIFARE Classic (or Ultralight)
- Reading distance: 2-4 cm
- Warning LED with blue or red light for different warnings: access allowed, access denied, low battery level
- Connection to the programming device
- Necessary to initialize the lock and for emergency opening

2. Control unit and battery
- Non-volatile memory
- Up to 3,000 users and 1,200 events
- Clock and calendar in real time. Up to 30 time-zones with 5 time periods, 365-day calendars to define holidays. Automatic DST update following the calendar
- Battery module maintains operation of the clock and calendar for 5 minutes once exhausted

3. Modes of operation
- Standard: A user with authorized access must present a credential to open the lock
- Passage mode: The door is open. Can be set automatically or manually by authorized users
- First user: The door remains in standard mode until the first authorized user opens it. Afterwards, the door remains in passage mode
- Double user: Two users with authorized access must both present a credential to open the door

4. Specials characteristics
- Standard or ADA users. Standard opening time from one to 240 seconds; ADA users have twice as much time
- Internal handle detection to detect if a user is leaving the room
- Electronic privacy by means of an interior button (to deny access when user is inside)
- Optional: privacy overrides passage
- Mechanical key override detection (optional cylinder)

5. Mobile solutions (Openow)
- The electronic escutcheon always includes a valid RF module for wireless communication and mobile solutions
- For the Openow solution, it is necessary to activate Openow functionality in the software licence

6. Wireless online locks
- Communication and control in real time with TESA Hotel software via the wireless hubs
- Events received by the software in real time (openings, attempts to open, low battery, use of internal handle, privacy activation). Event alarms sent by email and as pop-ups in the software
- Change or cancellation of user access (guests and staff): online update
- Global Lockdown solution: opening or blocking certain areas or the entire installation at the same time
- Door status notifications (via software or email) in real time by means of a magnetic door sensor connected to the lock
- Opening, blocking, passage mode or date or time updates remotely from the software
- Online battery control

7. Lock
- The motorized clutch in the mortise lock itself activates the outer handle. When the lock is locked, the external handle rotates freely to prevent it from being forced
- Automatic deadbolt: 2.54cm
- Panic function: By turning the interior handle, the door opens even when the bolt and electronic privacy are activated
- May be installed for door widths between 30 and 100mm

Technical characteristics: mechanical

Emergency cylinder
The i-minimal electronic lock can be installed with an optional mechanical cylinder which allows a user to open the door in an emergency. The lock records an emergency opening in its log.

Complete control of the door
Internal sensors monitor situations where the door is left open or not properly closed, as well as intrusions. Record of emergency opening with cylinder.

Handles
TESA offers a wide range of compatible handles to install in any premises. It is also possible to install other handles with DIN fittings.

More models available. Ask for more information.

Vector

Xara

Sena

Zafira

Cubo

FSBE

Tundra

Sevilla

Finishes

Stainless Steel	Satin Chrome	Polished Brass PVD
Polished Chrome	Satin Brass PVD	Antique Brass
White	Black	Marengo

Reader

Black	White

Antibacterial treatment
Our handles with a stainless steel finish can be supplied with an innovative, guaranteed and certified antibacterial treatment that prevents the spread of bacteria, offering greater safety and peace of mind to your guests.

Antibacterial coating

The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, door and window hardware, locks, access control and service.

ASSA ABLOY
Opening Solutions

TESA ASSA ABLOY
The global leader in the development, supply and service of electronic access control systems for the hospitality market, including hotels, tourist apartments and more. With 35 years of experience in the hotel market, we offer a single comprehensive platform which exceeds the highest demands in security, design, ease of use and service for our clients.
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