



ASSA ABLOY

i-volution TESA Hotel Electronic Lock

Wireless Online, Update on Card & Openow

TESA's most advanced and secure electronic hotel lock.

A minimalist, innovative lock design paired with advanced, renewed technology.

Delivering complete access control while blending seamlessly into any hotel interior, the lock integrates so discreetly it becomes one with the door. Bluetooth communication with long battery life.

Designer reader module in different finishes. Blue, green and red warning LED included

Wide range of handles compatible with DIN. The handle turns freely when the door is closed

Automatic deadbolt projection (2.54cm) and panic function

Mechanical emergency cylinder option

Includes internal electronic privacy button



Suitable for outdoor use (IP56 rating)



Handle options

Being aware of the decorative and functional needs of any hotel design, i-volution allows a wide range of handles, different models in different finishes



Multiple finishes

A refined choice of finishes, combining a black or white reader with a decorative ring in stainless steel, brass, black, or white



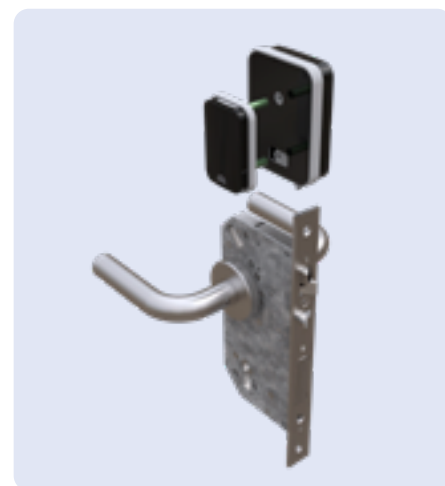
Total control

Sensors registering the following events are incorporated:

- Door remains open
- Door not properly closed
- Intrusion
- Opening with mechanical key

TESA Hotel i-volution

Technical information



Technical data and features



General information

Traffic volume	Medium to high. Up to 6500 users Registration of new users without updating locks
Application	IP56 Up to 85% humidity. From -20°C to +70°C (external). From 0°C to +50°C (internal)



Installation

Hardware compatibility	Wide compatibility with a range of handles, including the option to install other handles on the market with DIN fittings. Doors from 30mm to 144mm thick
-------------------------------	---



Operation

Status indication	Interior privacy button. Sensors in the lock monitor door left open, not correctly closed. intrusion. Record of emergency opening with mechanical cylinder (Optional)
--------------------------	--



Power

Power supply	Battery (from 90,000 to 126,000 cycles depending on the management system)* max. 2 years standby** Type of batteries: 3 LR03 AAA 1.5V alkaline batteries
---------------------	---



Credentials

RFID technologies	MIFARE Classic and Ultralight DESFire ISO 15693 Mobile credentials All in the same firmware
Mobile compatibility	Openow™ (Bluetooth Low Energy) TESA Hotel (Remote opening app)



Certifications

Substances and disposal	EC (EMC, R&TTE), ROHS, REACH, WEE, IP56, EN 14846, EN 1634 (fire 60')
--------------------------------	---

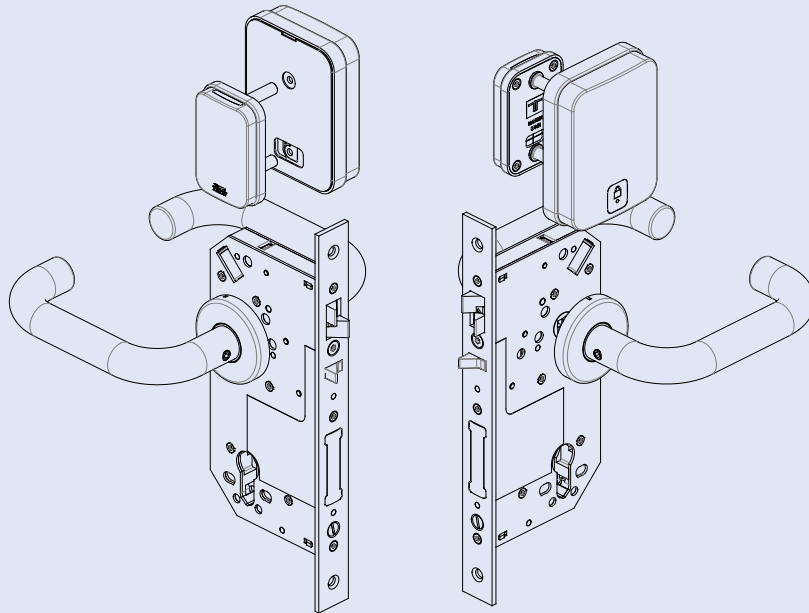


System management

Upgradability	Wireless/Openow ready by default, allowing you to upgrade to these systems later, without needing to update firmware
----------------------	--

TESA Hotel i-volution

Technical drawings and Electronic technical characteristics



Reader, control unit and battery module

- 13,56MHz RFID Technology: MIFARE Classic (or Ultralight), DESFire, ISO 15693
- Black or white finish antenna
- Reading distance: 2-4cm. Given by the identification technology
- Warning LED: Blue, green or red lights for different warning actions: granted access, access denied, low battery level, etc
- Buzzer to confirm the signal
- Connection to the programming device: Necessary to initialize the lock and to make emergency openings (in case of low battery level)
- Non-volatile memory
- Up to 6500 users and 1,200 events
- Real time clock and calendar. Up to 30 time zones with five different periods during the day. Weekdays and weekends automatically recognized. 365 days calendar to define holidays. DST's automatically updated through the calendar
- Battery module: Easy battery change. Maintains clock and calendar for 5 minutes without batteries



Operating modes and special features

Possibility to create state tables in the software, to define automatic changes in the doors (during the day) of the following operation modes:

- Standard: The door is closed and a user with authorized access must approach its credential to open the door.
- Passage mode: The door is open. This operation mode can be established automatically or manually by authorized users.
- First user: The door is closed until the first user with authorized access opens the door. After that operation, the door will remain in passage mode (open).
- Double user: The door is closed and two users with authorized access must approach their credentials to open the door.

Special Features

- Standard or ADA users. Standard opening time from one to 240 seconds. ADA users will have double time
- Electronic privacy with internal button (to deny access to open the door when a user is inside and has activated the electronic privacy).
 - Privacy overrides passage (optional)

Electromechanical mortise lock. Mechanical key override detection (optional mechanical cylinder)

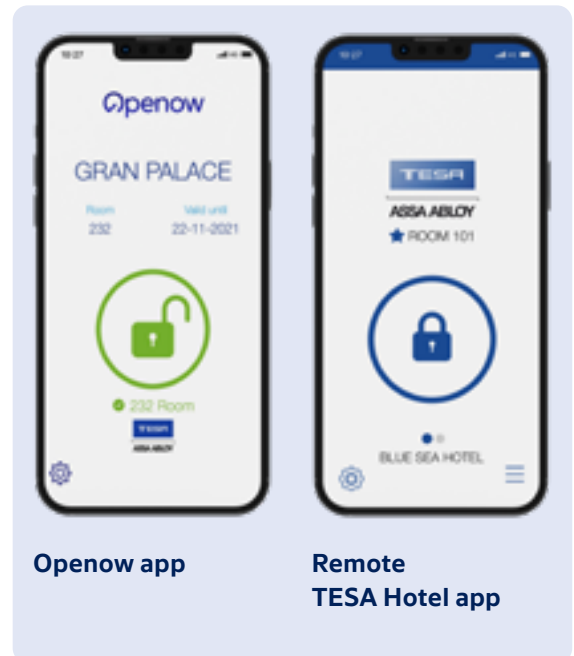
- Automatic deadbolt projection: 2,54mm
- Not handed
- Freewheeling external handle when the door is closed
- The motorized clutch in the mortise lock itself activates the outer handle. When the lock is locked, the external handle turns free
- Panic function: By turning the interior handle, the door opens even when the bolt and electronic privacy are activated
- From 30mm to 144mm door width
- Door status: events reported when the door is left opened, door incorrectly closed, intrusion, etc



Mobile Solutions (Openow / Remote TESA Hotel)

The electronic escutcheons always include the necessary BLE hardware. It can come with the functionality activated from the factory or can be activated in the field.

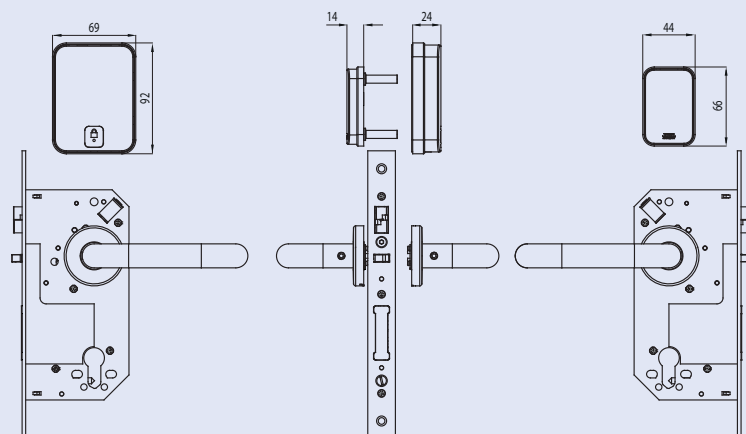
- For Openow solution it is necessary to activate the Openow functionality in the software license
- Wireless online locks. Communications and control in real time with TESA Hotel software through TESA wireless hubs
- Events received in real time in the software (opening, attempt to opening, out of shift, low batteries, internal handle, privacy on, etc.). Event alarms sent by email and pop-up alarms in software
- Change or cancelling of user accesses (guests and staff cards): online update
- Global Lockdown solution: opening or blocking certain areas / entire facility at once
- Notifications of door (software or email) status in real time
- Remote opening through TESA Hotel App
- Remote lock opening, block, free passage mode or date/time update from the software
- Online battery monitoring



TESA Hotel i-volution

Mechanical technical characteristics

Dimensions



Emergency cylinder

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

Mechanical handle

Compatible with any DIN standard handle.

* More models available. Ask for more information.

Handles



Vector



Xara



Sena



Zafira



Cubo



FSB

Handle finishes



Stainless Steel



Satin Chrome



Antique Brass



Polished Brass PVD



Satin Brass PVD



Black



White



Antibacterial coating (optional)



ASSA ABLOY

© Images: All rights reserved by ASSA ABLOY.
We reserve the right to make technical modifications.
Version: TESA-Hotel_i-volution_Datasheet_2026-05_EN

TESA ASSA ABLOY
Talleres de Escoriaza, S.A.U.
Barrio Ventas, 35
20305 Irun · Gipuzkoa
España

Tel.: +34 943 669 100
www.tesa.es
www.assaabloy.com