

SMARTair® i-max

Panic bar solution for mortise models

Update on Card / Pro Wireless Online

ASSA ABLOY
Opening Solutions

The new SMARTair *i-max* wireless and battery powered escutcheon for panic exit devices enables nearly any emergency exit door to be controlled through the SMARTair software. This solution offers

ease of use while providing the best performance including wireless online (real time), RFID and BLE connectivity.

Experience a safer
and more open world

SMARTair®
Your Access. Your Control.

Technical data – SMARTair *i-max* for panic bars

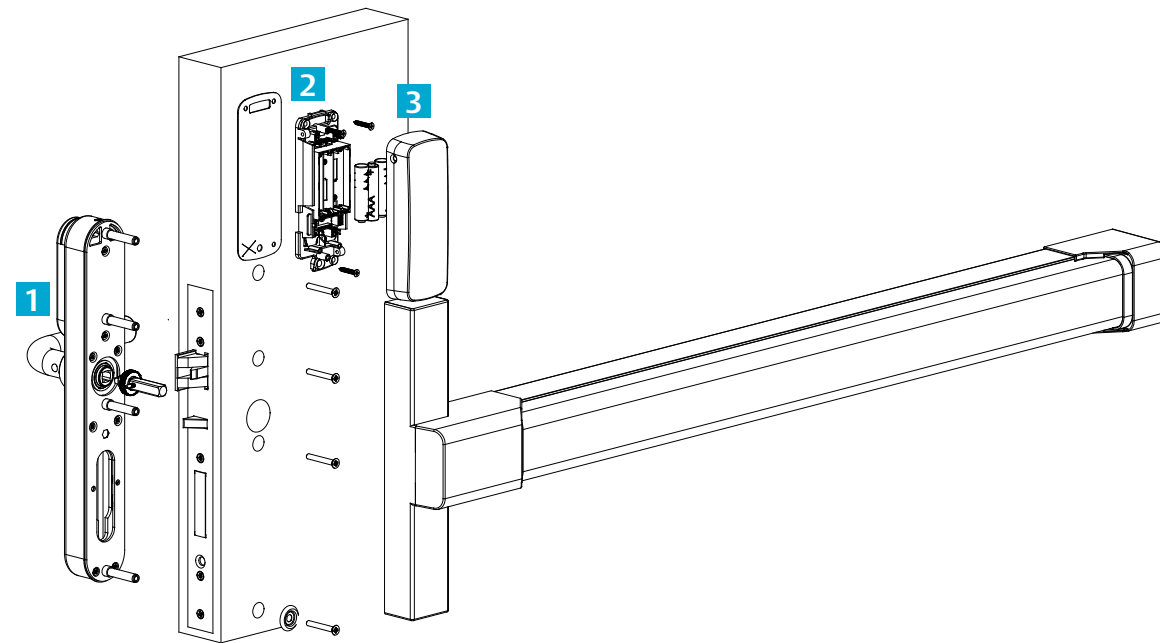
	Door profiles	Suitable emergency doors
	Traffic volume	Medium to high
	Exterior usage	IP56 (Extreme version) Up to 85% humidity Exterior side: -20°C to 70°C Interior side: 0°C to 50°C
	Hardware compatibility and installation	High retrofit with mortise model panic bars (TOP, UNIVERSAL, MARE, GLOBAL) Drilling, no cabling Doors from 37 mm up to 110 mm
	Power supply	Battery (from 90,000 to 126,000 cycles)* max. 3 years standby** Type of batteries: 3 LR03 AAA 1.5V alkaline batteries
	Multi-authentication	Yes (Card + PIN, PIN Only, Card Only)
	Status information	Door position: door sensor not included NO (normally open) connection
	Certifications	CE (EMC, R&TTE) ROHS, REACH, WEE EN1634 (Fire)
	RFID technologies	MIFARE Classic and Ultralight SKIDATA DESFire
	Compatible mobile solutions	 Openow™ (Bluetooth Low Energy)   TESA SMARTair Remote opening app (Only for Pro Wireless Online)
	System management upgradability	SMARTair Offline / Update on Card escutcheons can be upgraded to wireless online. And Openow can be activated in the field in both UOC and WIR escutcheons. Upgrade to Wireless Online by: Adding RF module Activate Openow functionality: In the field through an special activation card. Both actions are independent and in addition to the mentioned tasks, they also require a software license upgrade.

* Depending on reading technology (MIFARE, etc.):

** Depending on cycles per day.



The SMARTair escutcheon has the reader module in the external escutcheon and the control and battery module in the internal escutcheon. The WIR escutcheons include the wireless module. Both UOC and WIR escutcheons include the BLE hardware by default.



1 Reader Module

- 13,56MHz RFID Technology. The electronic escutcheon can work with one of the available reading technologies: MIFARE Classic (or Ultralight) or DESFIRE. Without the need to change the firmware. Just selecting the technology in the software setup.
- Activation mode. The electronic escutcheon will wake up just by approaching the credential. Without the need to make any previous action.
- Reading distance. 2-4cm. Given by the identification technology.
- Warning LED and Buzzer: Green, red and blue lights and sounds for different warning actions: granted access, access denied, low battery level, etc.
- Connection to the programming device. Through a special cable with three pins. Necessary to initialize the escutcheon and to make emergency openings (in case of low battery level and when there is not mechanical key override).

2 Control Unit and Battery Module

- Non-volatile memory.
- Up to 3.000 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. The battery status reported on every event or once per day if no events happen.

Operation modes

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

- 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).
- Standard: The door is closed and a user with authorized access must approach its credential to open the door.
- Double user: The door is closed and two users with authorized access must approach their credentials to open the door.
- In models with keypad also: Keypad only: the users will enter a door code in the keypad to open the door. Card + PIN: the users must approach the card and after enter their PIN into the keypad to open the door. PIN + Card: the users must enter their PIN into the keypad and after approach their card to open the door.

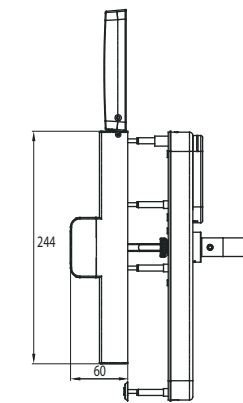
Special features

- Standard or ADA users. Standard opening time from one to 15 seconds. ADDA users will have double time.
- High traffic doors: for unlimited number of users.

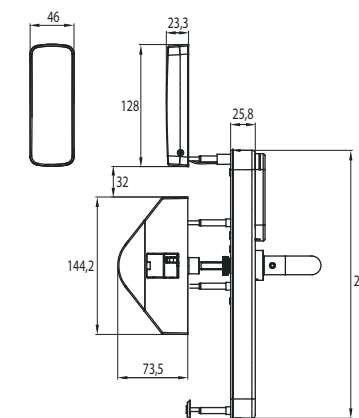
3 Mobile solutions

For Openow, the electronic escutcheon includes the necessary BLE hardware by default. It can come with the functionality activated from the factory, or can be activated in the field through a special activation card. It is also necessary to activate the functionality in the software license.

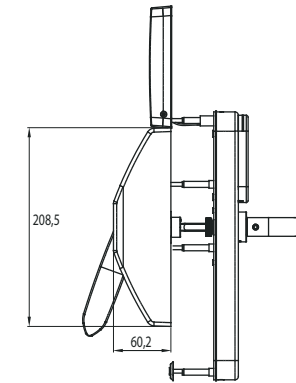
The Remote TESA SMARTair App it's only for WIR electronic escutcheons and they must include the RF module valid for wireless communications. It is necessary to activate the functionality in the software license.



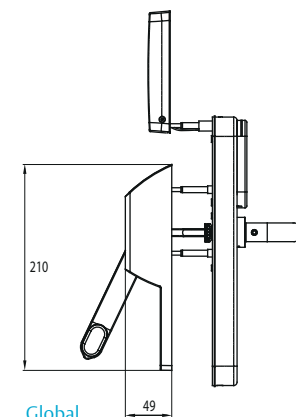
Top



Mare



Universal



Global

Panic bars and mortise locks

Compatible with TESA Universal, TESA TOP, TESA MARE and TESA GLOBAL panics bars.

With several options for the mortise lock:

- 72mm (TESA CF50 range).
- 85mm (TESA 2035F range).
- 8mm or 9mm spindle.

Possibility to install a half mechanical cylinder for mechanical key override.

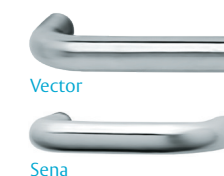
Door width

- Suitable for doors with a thickness from 37 to 110mm.
- The escutcheon's spindles have different lengths depending on the thickness of the door.
- Spindle is dismountable, for flexibility in field.
- Spindle's fixed part can be adjusted in field to the thickness of the door.

External Handle

- Freewheeling handle connects to spindle when access is granted.
- Not handed.
- Different designs available in SMARTair portfolio.

Handles and finishes



Vector

Sena



Xara

Zafira



Reader



Black White



Antibacterial coating available with some finishes. Please consult.

More models available. Please consult.

The *i-max* escutcheon includes the external escutcheon with the reader module, the internal control an battery module and all the necessary accesories for the installation.

The panic bar, mortise lock and cylinder (if needed) are not included. They have to be ordered separately.

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.

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