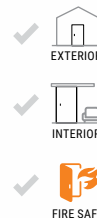


## Safety barrier



# 500 F | fire sliding door

Fire sliding door 500 F functions as a standard automatic sliding door and provides a comfortable everyday transition through the door with a fire resistant ability that divides the two fire sectors on NON ESCAPE routes.

It is constructed for 30 or 60 minutes fire resistant fully expanded, from both sides of the door.

In case of an emergency, fire alarm or power failure, the mechanical spring system closes the door and keeps it closed. Escape is not possible.

The closed door resists the fire, which prevents the flames and heat radiation to spread from one sector to another.





**Open office space**



Industrial production

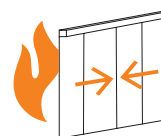
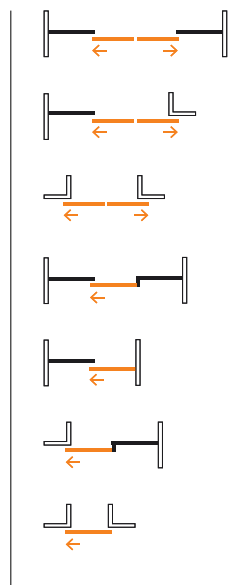
## Technical data | 500 F

USE	interior/exterior for non escape routes
DRIVE	height: 170 mm
DIMENSIONS	1 leaf: clear opening width 800 - 1400 mm clear opening height 1900 - 2500 mm 2 leaves: clear opening width 1600 - 2500 mm clear opening height 1900 - 2500 mm
WEIGHT	max. 300 kg per sliding leaf
FIRE RESISTANCE	EI30, EI60
OPENING - CLOSING SPEED	0.3 - 0.7 m/s (adjustable)
OPENING TIME	0 - 15 s (adjustable)
POWER CONSUMPTION	30/300 VA
LEAF	GLASS: EI30: 15 mm, EI60: 23 mm PANEL: EI30: 26 mm, EI60: 38 mm
INSTALLATION	wall installation
PROFILE COLOR	RAL color
GLASS COLOR	fire safety transparent glass
DOOR OPENING	sensor, smartphone, switches, access control
SECURITY	infrared-microwave activation sensors
FUNCTIONALITY	side safety sensors a variety of adjustable functions and parameters switching between different door regimes: OPEN, LOCK, STOP, AUTO-SUMMER, AUTO-WINTER, ONE WAY-SUMMER, ONE WAY-WINTER warning diagnosis by COM20 connection to fire safety system
EMERGENCY EXIT	<b>X</b>
ELECTRIC LOCK	included
STANDARDS	EN16005, DIN18650, EN1154, EN 13501-2, EN 16034



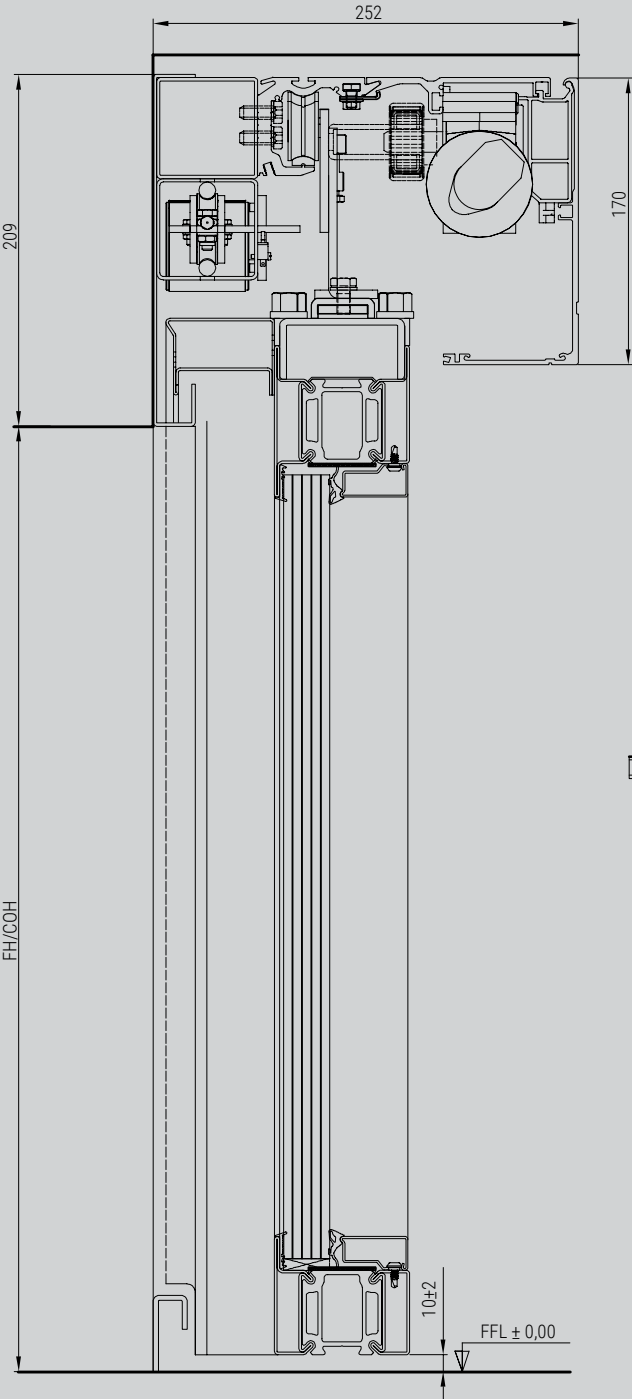
\* S = sliding leaf, L = leaf, FW = frame width, FH = frame height, COW = clear opening width, COH = clear opening height, UW = Unit width, X = distance

### Version possibilities

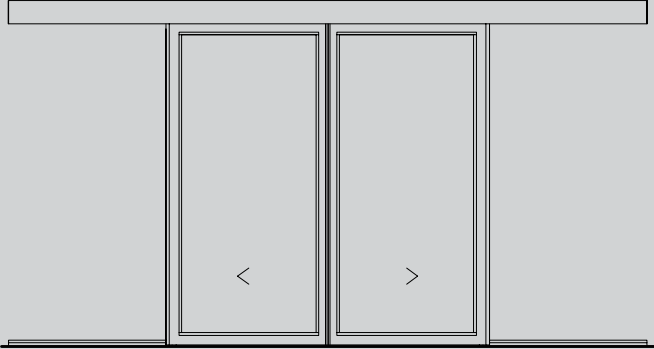


# 500 F EI60 | 2L/2S on the wall

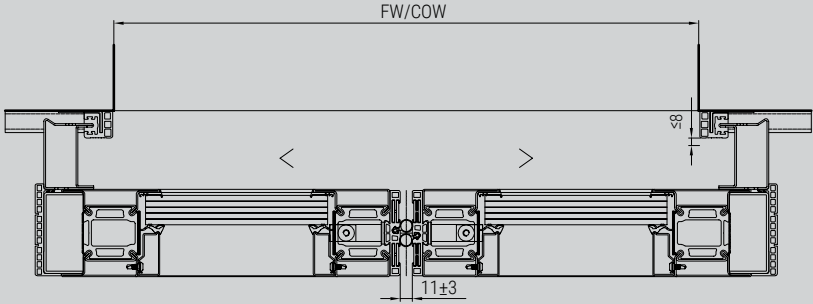
Vertical section view



Front view

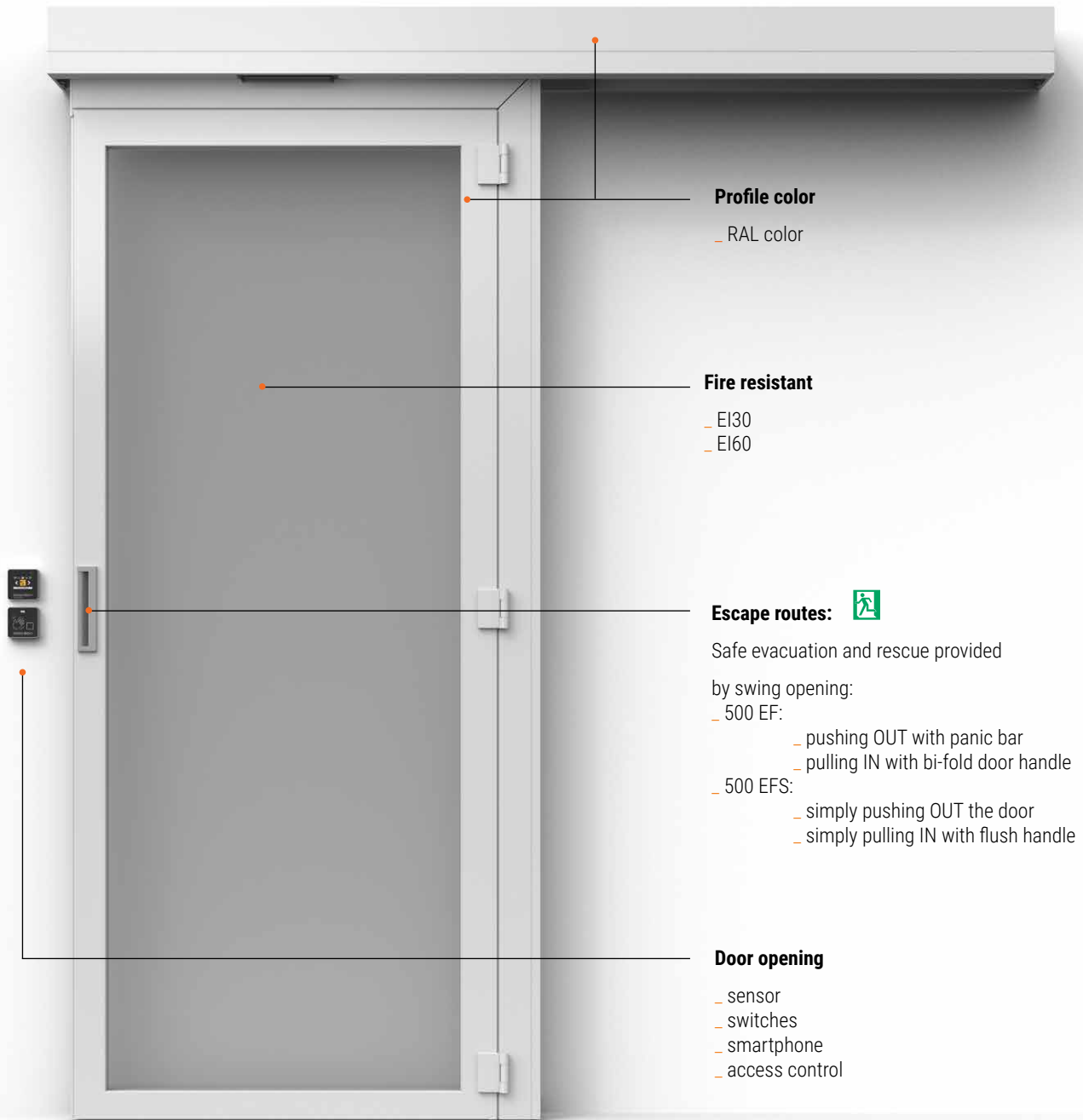


Horizontal section view



# Customize your door

*Choose your assembly, choose your function*



**Profile color**

- RAL color

**Fire resistant**

- EI30
- EI60

**Escape routes:**

Safe evacuation and rescue provided

by swing opening:

- 500 EF:
  - pushing OUT with panic bar
  - pulling IN with bi-fold door handle
- 500 EFS:
  - simply pushing OUT the door
  - simply pulling IN with flush handle

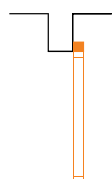
**Door opening**

- sensor
- switches
- smartphone
- access control

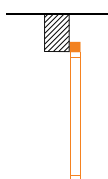
# 1. Door installation

The doors can be installed on the wall. Combine your system with a flexible, rigid or partition wall.

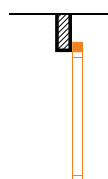
Available on  
Door calculator



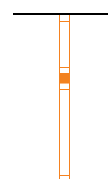
On the wall



Flexible wall



Rigid wall



Partition wall

# 2. Leaf

The drive can be combined with door leaves that can be made from different frame profile systems.



## EI30

VA THERM fireproofed isolated steel profiles, with laminated fire safety glass: 15 mm



## EI60

VA THERM fireproofed isolated steel profiles, with laminated fire safety glass: 23 mm



## Panel solution

Fireproofed isolated steel panel  
EI30: 26 mm  
EI60: 38 mm





# Door opening

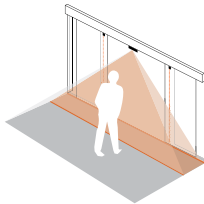
Choose your access. Select the best opening possibilities.

## SENSOR



Side safety sensor protects the opening path from both sides of the leaf. ToF sensors scan the human body and rapidly increase the level of safety.

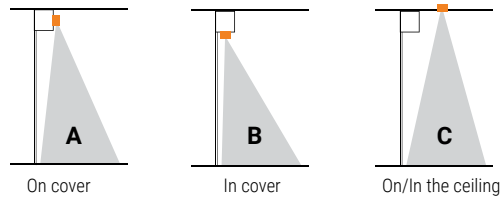
### Sensor detection



Mounting heights of up to 3 m. Detect people and objects in a range up to 2.5 m.

### Sensor installation

Suitable for different types of applications.



Sensor is the key element to moving the door. The detection area activates the door to open, while the safety area provides pedestrian safety when the door is closing.

## DOOR SWITCHES



**COM 20** | touchscreen switch



**COM 21** | mechanical switch



**SMART SWITCH** | touchless opening



**SMART LOCK** | touchless opening and locking



**EMERGENCY SWITCH** | open/close



**CLOUD GATEWAY** | access control

## SMARTPHONE CONTROL



Control your system remotely **24/7** with the mobile app **Door Cloud**.

### Door Cloud

The door mobile app enables you to change door regimes, take a look at the statistics and reset the parameters. Receive notifications, warnings and always be up to date.



Privacy



Access control



Control centre



Notifications



Calendar



Wireless

## ACCESS CONTROL



**Card reader**  
Access controller with an integrated card reader.



**Card reader with keypad**  
PIN code access control.



**Remote controller**  
Remote controller for distant door opening and closing



**First opening switch**  
One time entrance key opener SE-1 or a built-in wall SE-2.



# In case of fire

*Reducing risk, saving lives*

A fire can occur anytime and anywhere, so it is extremely important that you are well prepared for anything.

The consequences can be devastating and even though you cannot prevent the fire from happening, fire doors can help you limit the damage and provide a way out.

---

fire barrier  
prevent the spread of fire

---

swing  
opening  
for life saving

## No escape

### 500 F

After the activation of a fire alarm, the sliding door transforms into a safety barrier. 500 F prevents the fire and heat radiation from spreading to the other side.



## Escape routes

## 500 EF and EFS



Many forget about the importance of escape routes, because they are rarely used in that way. But they are extremely important, as they provide a quick and safe evacuation route in the event of a fire.

Automatic sliding door on escape routes provides high frequency transition in-out at normal operation. After the fire alarm, people can run freely out of the danger zone. A safe rescue is available.



500 EF



500 EFS

Additional **accessories** —→

# Door switches

*For best user experience*

Doorson puts a strong emphasis on innovation, a unified design and functionality. Developing the door switches family from the beginning till today is something that makes us special. Automatic sliding doors can be combined with different sets of operational switches. Our switches are multifunctional and provide many user made combinations.



You can switch between different door modes:  
OPEN, LOCK, STOP, AUTO summer, AUTO winter,  
ONE WAY summer, ONE WAY winter.

Choose the right door switch for the right application.  
With it you can easily control your door and customize  
the functionalities.





**COM 20** | touchscreen switch

Multifunctional touchscreen switch mode operator offers different settings, door parameter management, display warnings, errors and diagnostic management.



**COM 21** | mechanical switch

Mechanical switch mode operator with 7 different modes: OPEN, LOCK, STOP, AUTO summer, AUTO winter, ONE WAY summer, ONE WAY winter.



**SMART SWITCH** | touchless opening

Multifunctional touchless opening with adjustable sensor detection 0.2m – 1m: NARROW, MIDDLE or DEEP.



**SMART LOCK** | touchless opening and locking

Multifunctional touchless opening and locking with three operation modes: OPEN, LOCK and AUTO. Adjustable sensor detection 0.2m – 1m: NARROW, MIDDLE or DEEP.



**EMERGENCY SWITCH** | open/close

For the use on escape routes, emergency exits, fire doors and other safety reasons with light indication. Emergency open for standard door and escape door. Emergency close for fire doors.



**CLOUD GATEWAY** | network management

Doors are connected by cloud gateway on network to DOOR CLOUD management. Web application providing door control and door management. Three different levels access as administration, service, end user. Door management is provided as control, errors, warnings, users, calendar. IoT functionality is integrated.



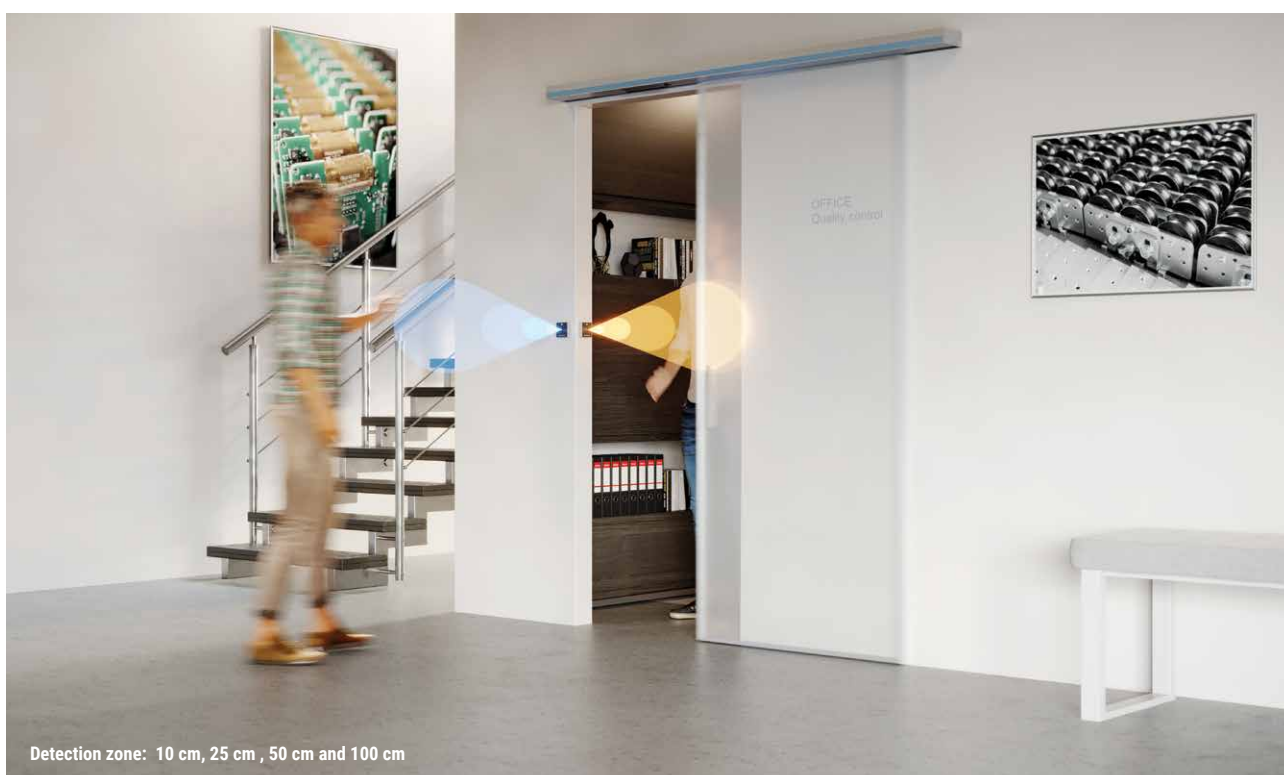
# Touchless opening

*Clean hands with a contact-free door opening*

We make doors that provide a hygienic and comfortable opening. An entrance with a touchless door is a great benefit for every user. You can choose between a sensor or touchless switch.

## Smart Switch & Smart lock

Our Smart Switch and Smart Lock enable a controlled door opening that can be used in many cases and is easy to install. You can open the door by approaching the body, arm or hand, otherwise it'll stay closed. The choice of opening the door with the help of a Smart Switch is very convenient in narrow passages, where a door with a sensor would often open unnecessarily. They enable a wide range of applications like office, restroom, restaurant or healthcare facilities, where hygiene is very important. You can use Smart Switch or Smart Lock to selectively open the door. Adjustable accurate depth measurement allows you to open the door by entering the detection zone. In the corridor, you can pass the door and it will not open. But when you enter the zone, the door will be open.



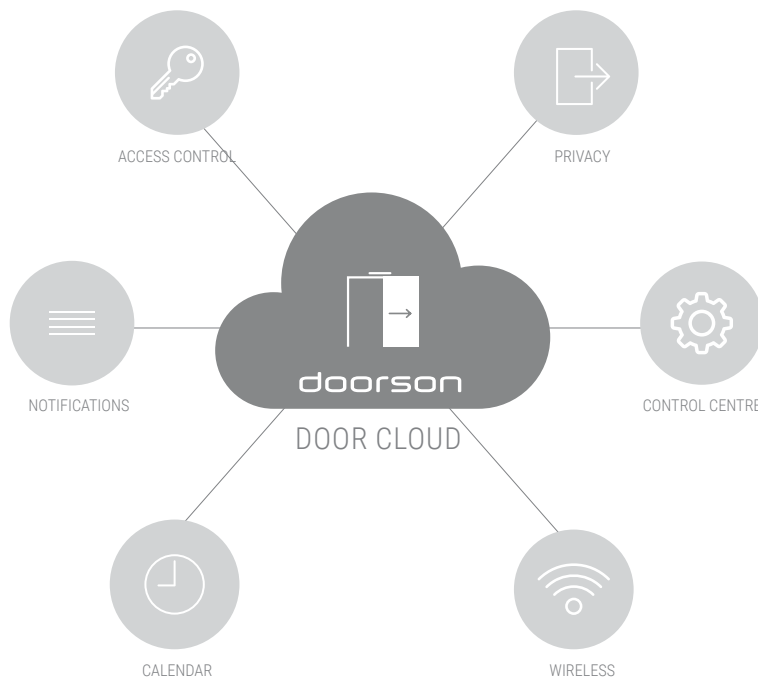
Detection zone: 10 cm, 25 cm, 50 cm and 100 cm

# Remote control

*Access anytime, anywhere*

Control your door system remotely. Doors are connected online and you can receive all information about what is happening with your system anytime and anywhere, 24 hours a day, 7 days per week.

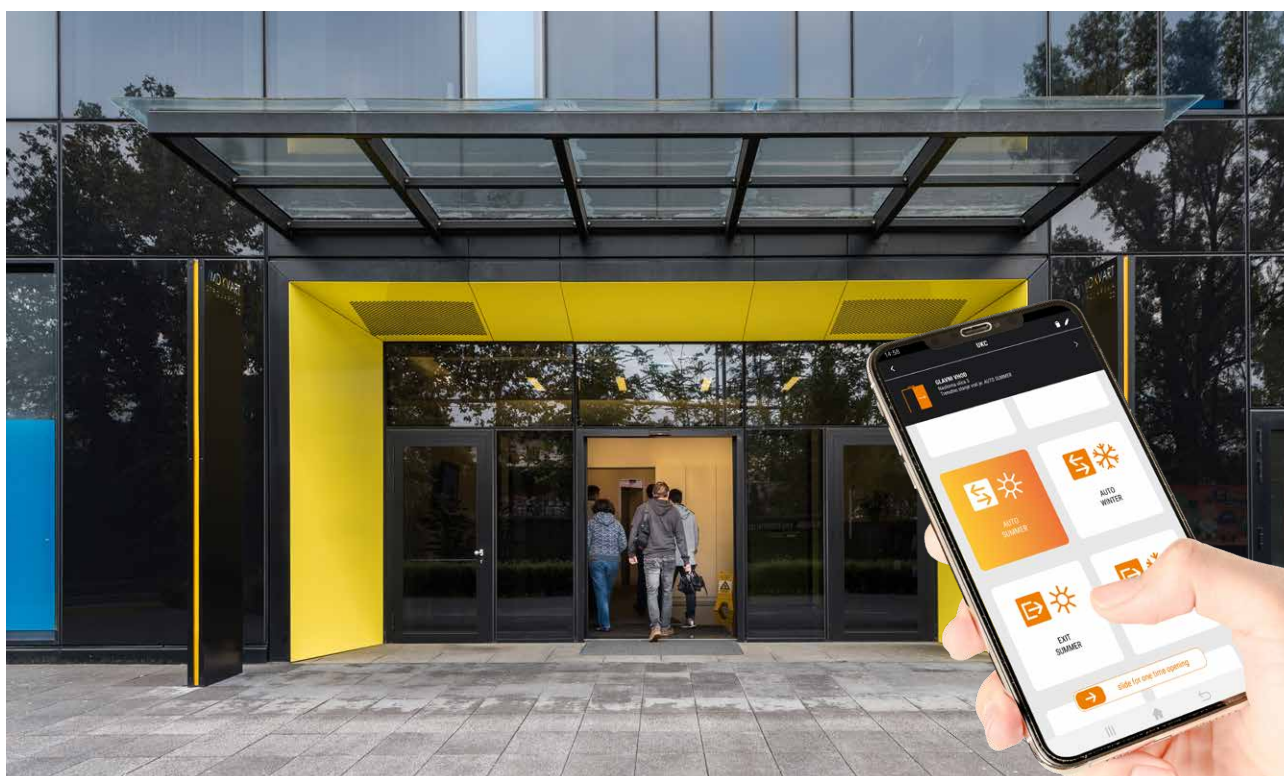
Upgrade your door by using Door Cloud. Connect by mobile application, receive information about your door, use IoT functionality. The door mobile app allows you to change door modes and functionalities. Use your smart device to adjust your doors, read the statistics and set the parameters. And that is not all - you also receive notifications and warnings.



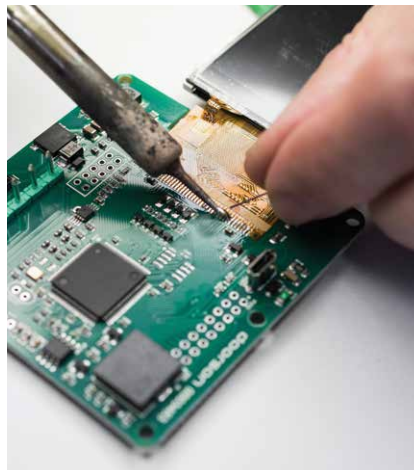
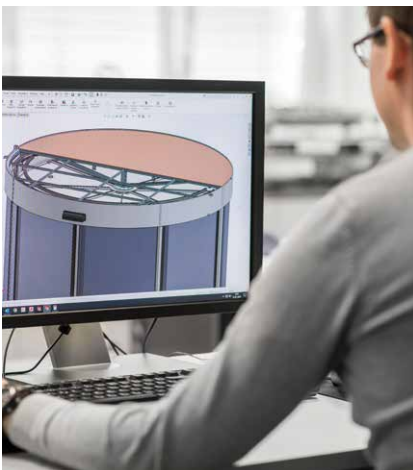
24/7  
access



Security  
safe connection







doorson

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