



# THE NEW GREEN GENERATION OF PEDESTRIAN DOORS AUTOMATIONS



# ADVANTAGES

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# Energy saving

**FACE** guarantees a **50%** reduction in electricity consumption, thus introducing to the market the first real “**ENERGY SAVING**” automations.

**FACE** keys to success:

- Direct-drive brushless motor (without gearbox);
- Electronic control power supply with Switch Mode technology.



The international recognition of this success is the winning of the **INNOVATION PRIZE** for **ENERGY EFFICIENCY** at the R + T 2018 in Stuttgart.

Reduction in Electricity  
consumption vs Competitors

**-50%**



# SUPERCAPACITOR OPENING DEVICE

The exclusive and patented **SUPERCAPACITOR OPENING DEVICES** made in **FACE**, are **ECO-FRIENDLY** devices for automatic opening in the event of a power failure, designed using SUPERCAPACITOR technology, in place of the old devices with **LEAD BATTERIES** used in both redundant sliding automations and standard ones.



This extraordinary step forward to the **ECOLOGICAL TRANSITION**  
has been awarded with the:

**GOLD** INNOVATION AWARD 2021



# Greater reliability

**FACE Brushless Motor** (by definition without brushes) is designed specifically for FACE door automations in order to work at low rpm. Its **service life is 10 times higher** than conventional DC motors, thus **eliminating** the need of **engine maintenance**.

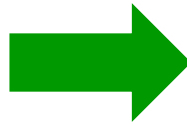
The **absence of the gearbox** eliminates the maintenance costs deriving from its natural wear.

DC motor + reduction gear

**FACE** Direct-drive brushless motor



The past



The future





# Silence and comfort

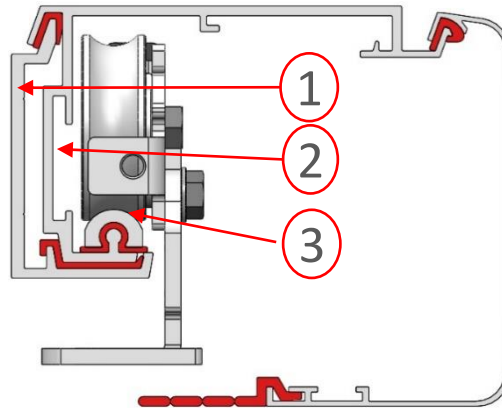
The absence of brushes and the lack of the gearbox make the automation **extremely silent** and ideal for places that require a high level of silence. Moreover, the exclusive 3-stage FACE cushioning system **minimizes the vibrations**.

The **shock-absorbing gaskets** are placed between the support beam **①** and the motorized guide **②** and between the latter and the carriage wheels sliding profile **③**

## Brushless Motor



## Shock-absorbing Gaskets



*Please Do Not Disturb*

**FACE**

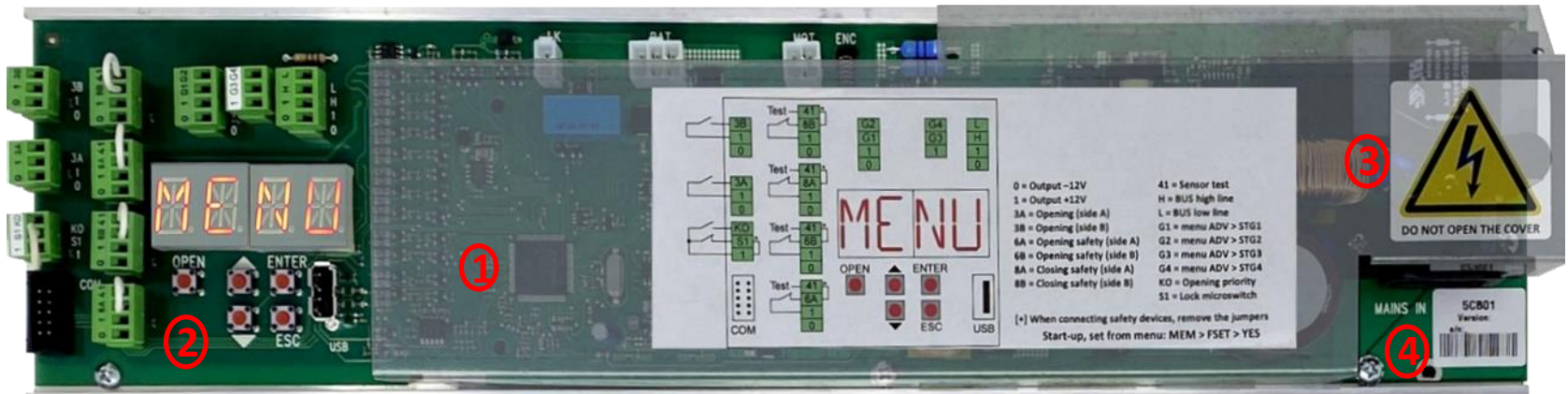
Automatic Doors



# FACE electronic control:

## Fast intervention time, always updated and customized

- ① Advanced electronic control, equipped with a 32-bit microcontroller, that perfectly controls and manages the movement of the motor and enhances its features.
- ② Practical alphanumeric display with keypad for easy adjustments even at a distance, providing clear and detailed diagnostic information.
- ③ Extended range power supply 100-240 V (50/60 Hz) with Switch Mode technology that guarantees high efficiency and reduction in energy consumption.
- ④ Simple connection to power supply via a practical standard plug cable.



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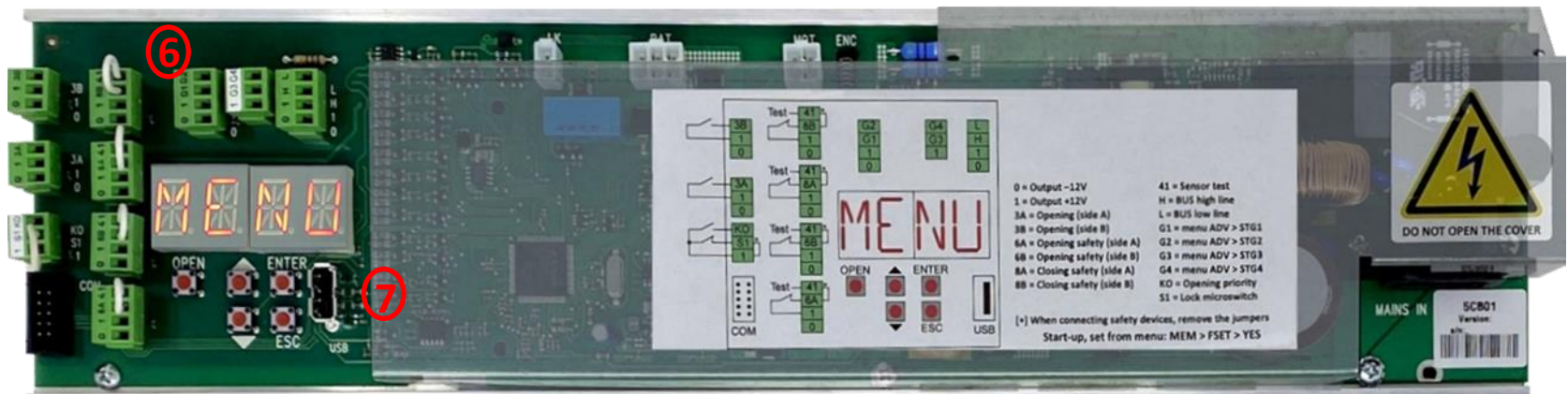
Automatic Doors



# FACE electronic control:

## Fast intervention time, always updated and customized

- ⑤ **Standard pre-setting** that satisfies almost all projects. **The parameters can be easily modified** to any specific need.
- ⑥ **A terminal board for each accessory** designed according to the current European regulations that guarantees an easy connection of control and safety devices.
- ⑦ **USB memory** where the parameters and the operating information of the door are stored. In this way, it will be extremely easy to replicate the same settings on similar systems or restore them in case of replacement of the electronic control unit.





# FACE future-oriented control board

FACE control board is powerful and unique.

It is conceived from the start for endless possibilities and for developing new functions/software applications.

This means that there is no need to ship expensive electromechanical components to update the software or add new functions, but simply send files!!!

FACE makes available:

- Updated software downloadable for free on the USB memory.
- Customized software that can be sent via e-mail, for an immediate upgrade of the electronic control.

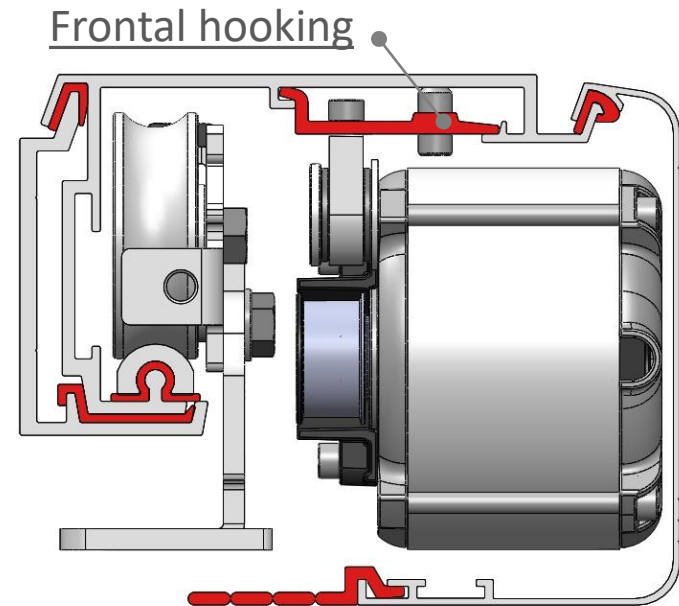
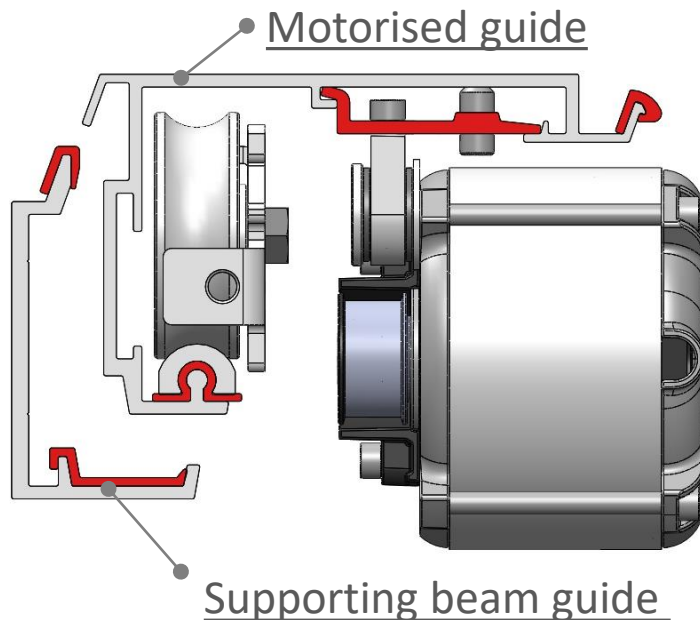


# Easy fixing system: «CLICK-CLACK!»

The exclusive and patented **fixing system** of the supporting beam allows to **a single person** to install an assembled automation up to 4 meters, thus **reducing installation costs by half**.

The fixing system of the internal components of the automation is also carried out by means of a simple **fixing system with a frontal click-mechanism** which **facilitates** any replacement or **maintenance**.

Any operation can be carried out with only a type of combination wrench, of T-shaped Allen key and of a flat-head screwdriver plus three different types of screws.



# Exclusive support for sensors with magnetic release

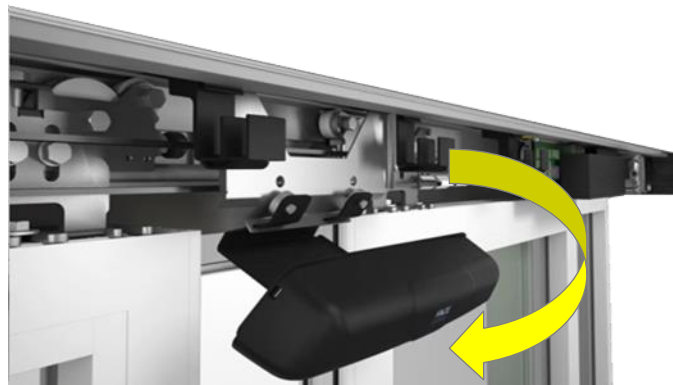
The exclusive and patented **sensor-support system** is attached to the supporting beam and not to the cover, in order to obtain the following advantages:

- Possibility to **put and remove the cover** (with magnetic coupling) very **quickly**;
- **Easy wiring and adjustment of the sensors** already placed in their **final position** while visualizing the control board display
- **Easily access the automation** during the installation and maintenance phases.

1



2



3



4



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# KIT assembled directly on the installation site

The sale in **Kit** allows to benefit from:

- greater **flexibility and speed** in the realization of custom-made automations;
- significant **savings in transport costs**.

FACE sliding automations are rationalized and simplified in all their components.

## 3 different ways of assembly/installation:

- 1) Assemble the automation in your warehouse and later do the installation on site.
- 2) Cut the profiles in your warehouse and later assemble and install on-site in a single operation.
- 3) Cut the profiles in your warehouse, install the basic components on-site with the possibility to add accessories later.

(It is also possible to buy assembled automations, cut at your required measure)



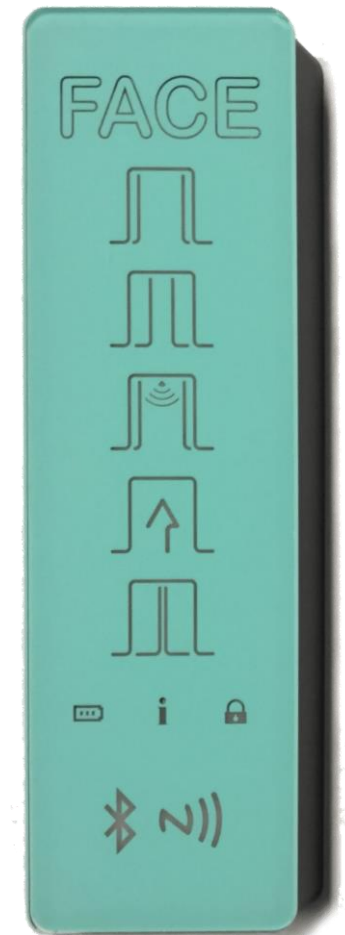


# FSD5 - FACE Electronic function selector

FACE new FSD5 electronic function selector is designed to fully control the functions of the automations to which it is connected, combining harmony and elegance with advanced technological contents.

The compact dimensions (Length 43 mm, Height 143 mm, Width 17 mm) allow to fix it on thin profiles and vertical uprights.

It is equipped with **Bluetooth and NFC communication systems** that allow remote interaction via smartphone with FACE applications for users and installers.

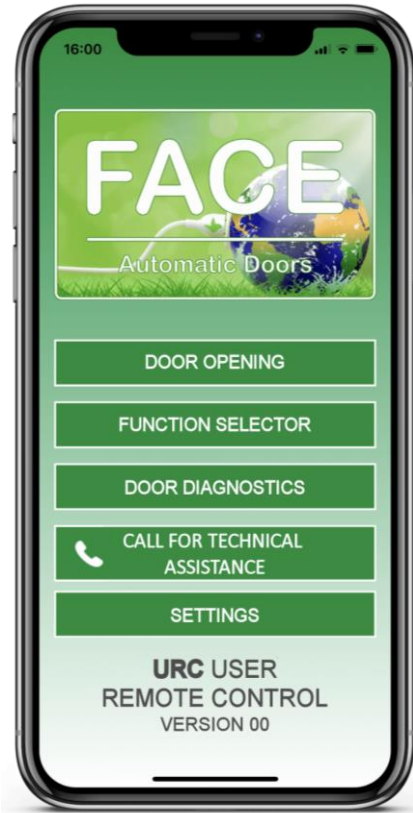


# FACE SMARTPHONE APPLICATIONS

FACE smartphone applications allow to manage your FACE sliding and swing automatic doors. You simply need to connect your smartphone to the FSD5 function selector through the NFC or Bluetooth connection, without any additional device.

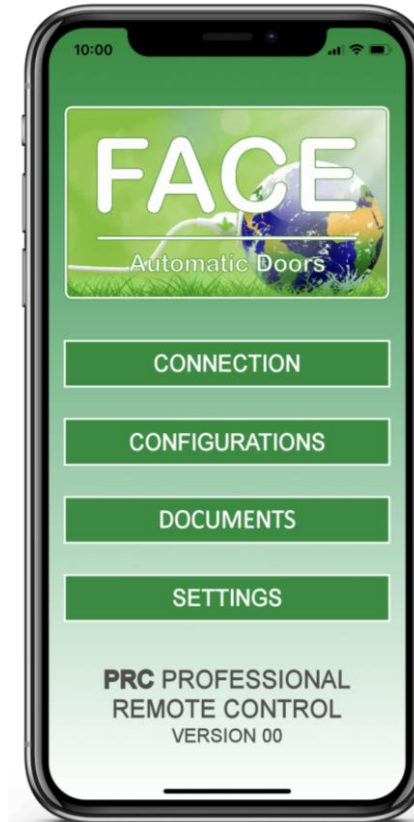
## FACE URC: APPLICATION FOR THE FINAL USER

- Change the function selector settings
- Give the priority opening command
- Download the diagnostics to be sent to your service center via WhatsApp or e-mail for maintenance.
- Use the Smartphone as a badge.



## FACE PRC: APPLICATION FOR INSTALLERS

- Set and modify the functioning parameters.
  - Download the functioning parameters of a door and upload them on other installations that require the same operating parameters. The downloaded parameters can be sent to multiple recipients via WhatsApp or email for consultation.
  - Download the diagnostic for the maintenance, read the alarms, the number of cycles performed etc.
- The downloaded parameters can be transferred via WhatsApp or email to multiple recipients for consultation.



Bluetooth



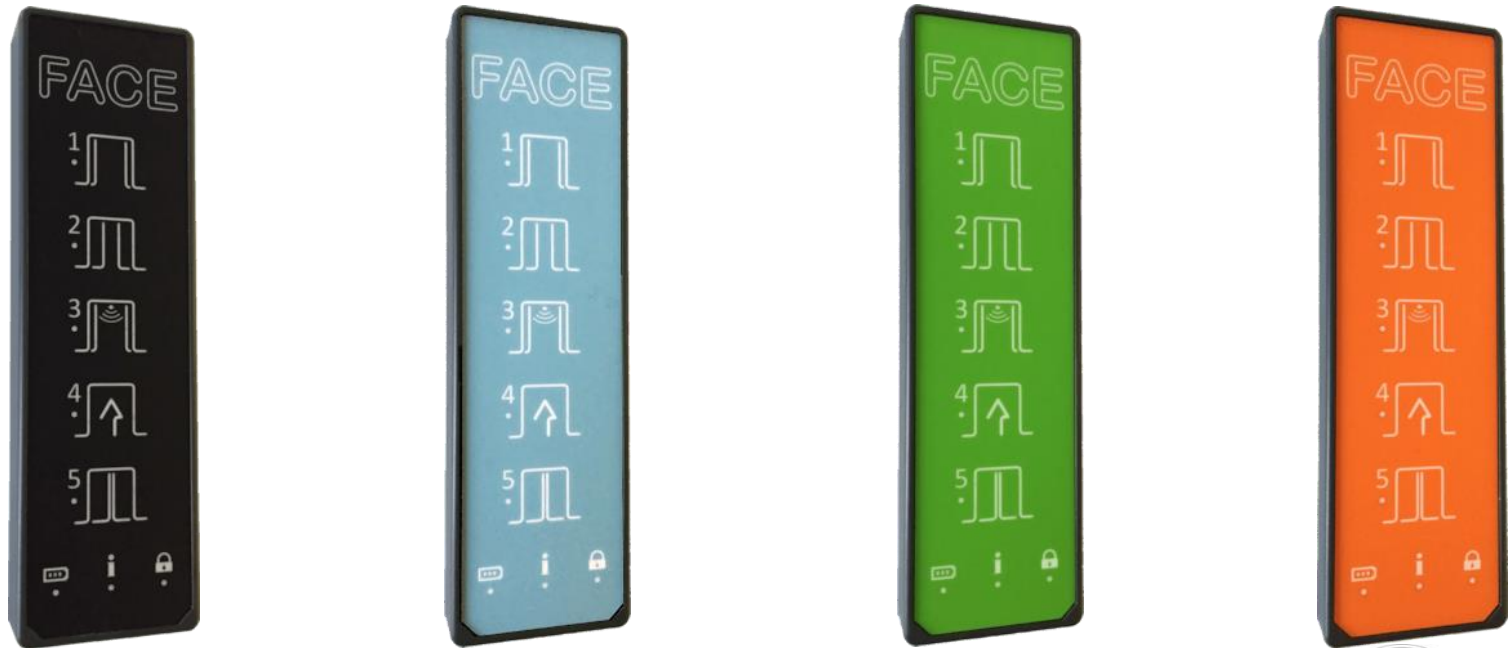
# FSD6 - FACE Electronic function selector

FACE FSD6 colorful function selector can be chosen in the standard colors below or in your favorite color, exclusively produced for you.

Other customizations are also possible (logo customization, function symbols customization, light color customization...)

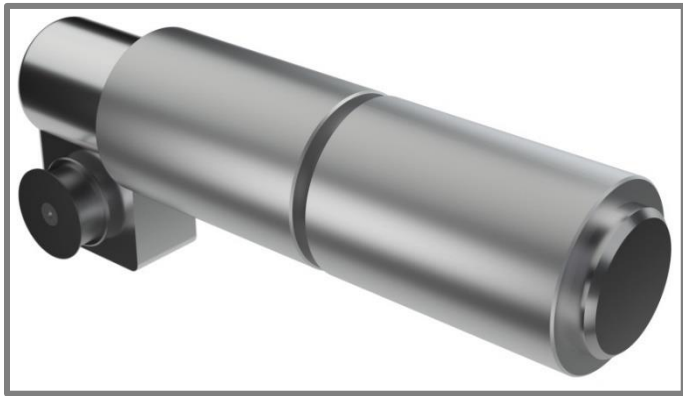
The selector activation is restricted to authorized people with the use of a code.

The **compact dimensions** (Length 42 mm, Height 140 mm, Width 15 mm) allow to fix it on thin profiles and vertical uprights.



# Emergency (redundant) automation for escape routes and emergency exits

Double DC motor + Reduction gear  
or DC motor with double winding +  
reduction gear



**The Past**

**FACE: Direct-drive:**  
Brushless motor  
with double winding



**The future**

**FACE**

Automatic Doors





# Emergency (redundant) electronic control unit

The redundant electronic control unit, together with the motor and the buffer battery kit, is **the emergency system** that recognizes faults or temporary anomalies such as the absence of power supply.

The system guarantees a fast evacuation in emergency situations through the immediate opening of the doors, meeting the requirements of the European regulation EN16005 and DIN18650.

The emergency functions are controlled by a 32-bit microcontroller in a **simple additional module** connected to the standard control without taking up any additional space in the automation.

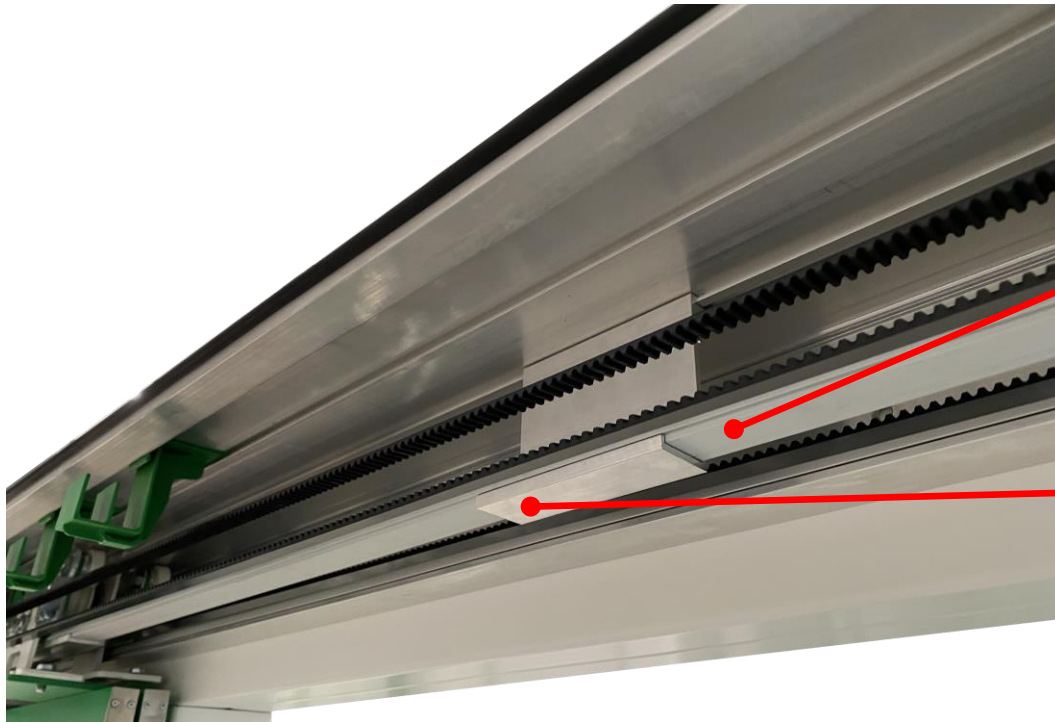


# Telescopic Sliding Doors

FACE developed an exclusive and patented solution for the telescopic door that has two peculiarities:

**1)** The sliding guide of the fast leaves (primary) is suspended and connected to the box profile by frontal-hook modular brackets.

This solution allows easy access to the slow leaves carriages (secondary) both during the installation and the maintenance, making the hooking and adjustment operations quick and easy.



Guide support bracket

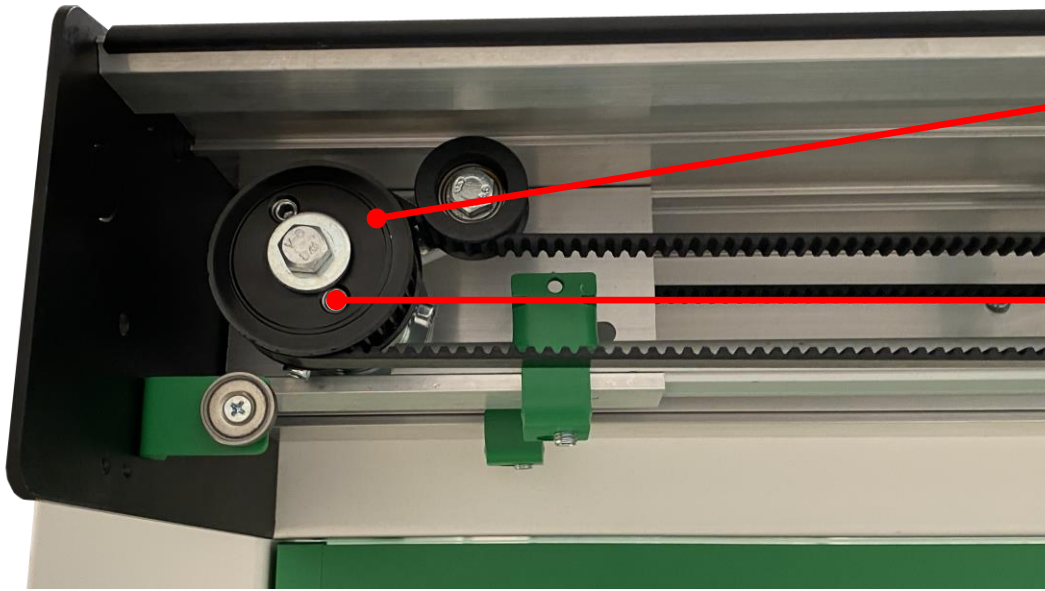
Suspended sliding guide

# Telescopic Sliding Doors

2) Double-pulley transmission system with independent rotation that allows:

- Rapid and independent installation of the primary wings from the secondary ones, thus eliminating the difficulties normally encountered with conventional telescopic automations.
- Easy adjustment and final positioning of the wings in maximum opening.

Once established the final adjustment and positioning of the wings in maximum opening, it is possible to obtain the coordinated movement of the wings in a precise and fast way. It is necessary to lock the two pulleys together and to make tightening them with two screws placed in front position.

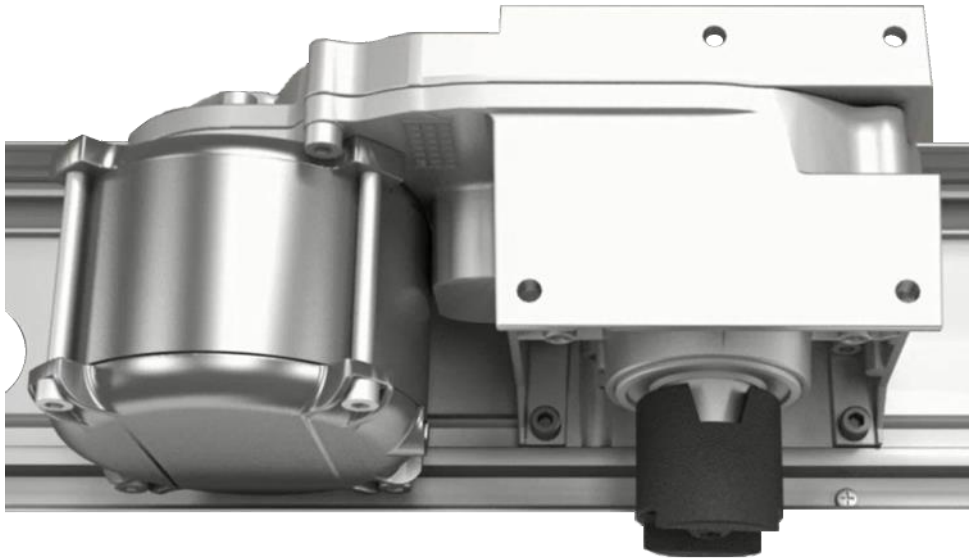


Double Pulley belt transimition

Double Pulley locking screw

# Swing Automations with brushless motor and gearbox

- **Brushless Motor** (without brushes) → energy efficiency increase of 30%; reduction of electricity consumption; 10-time longer lifespan compared to traditional solutions; maintenance cost decrease; extremely silent motor.
- **Gear box provided with a special gear system** → Maximum performance; absolutely reversible system; higher reliability.
- **SPRING version with spring closure** → Compact dimension; higher performance; smooth and safe movement; fast inversion of the spring.





# Electronic Control for Swing Automations

## A new generation electronic control for swing doors developed with specific functions

- The innovative electronic control, provided with a 32 bit microcontroller, maintains a precise control on the movement of the motor enhancing its characteristics.
- Comfortable alphanumeric display with keyboard for an easy remote regulation, providing clear and detailed diagnostic information.
- Switch mode technology power supply - 100-240 V (50/60 Hz) – which guarantees high efficiency and consumption decrease for the whole automation.
- Standard pre-setting which satisfies almost every project.
- **Easy to modify parameters** in order to satisfy every specific need.
- **One terminal box for each specific accessory** of swing doors for an easy connection of the control devices in respect of the safety requirements of the current European standards.
- USB memory in which parameters as well as information over the door functioning are memorised. Extremely easy to use and to replicate the same settings on similar applications or to restart them in case of replacement of the electronic control.

# Electronic Control for Swing Automations



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# SW80S1 with brushless motor, closing springs and gearbox

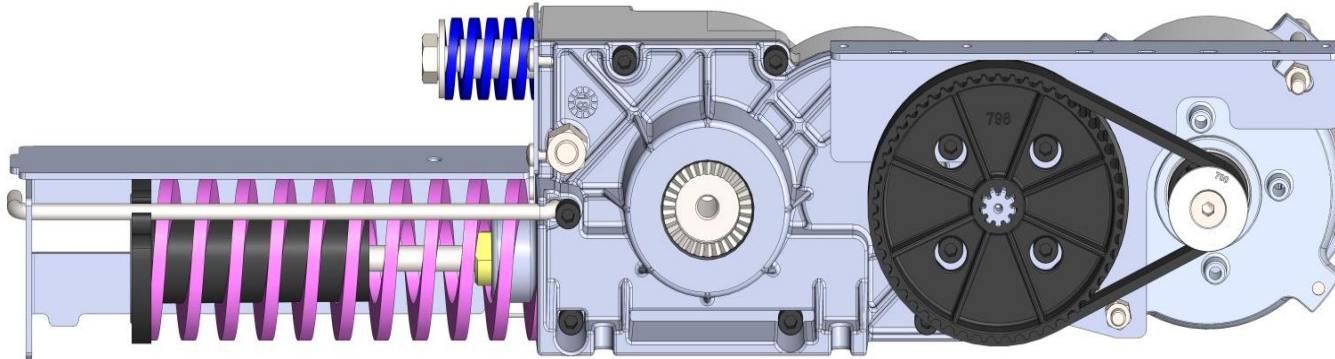
Entirely designed to be highly performing and compact.

The reduction gear unit is housed in a double aluminium shell from which the pin connected to the wing-movement arms comes out. The gear system is designed to guarantee maximum efficiency and total reversibility.

## Two springs:

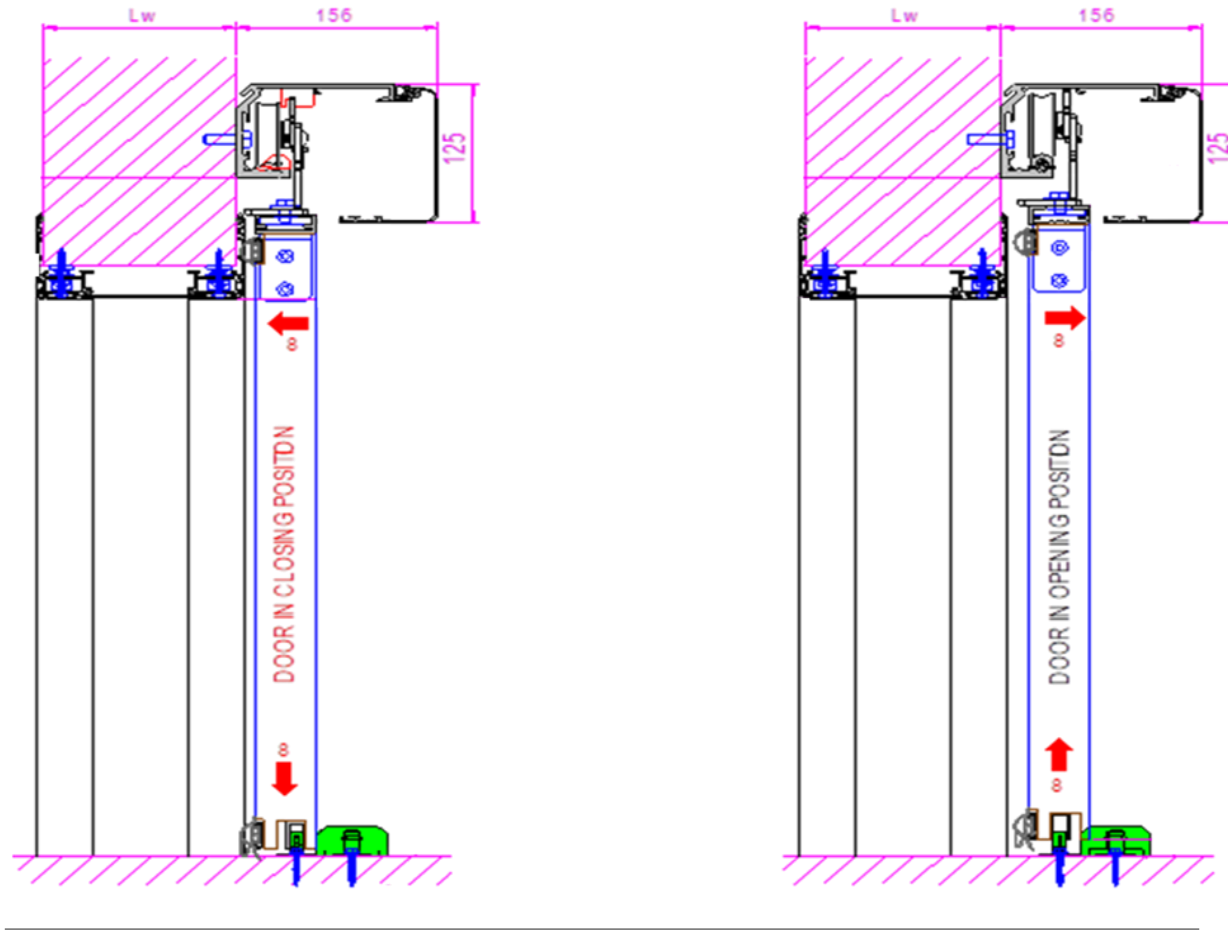
The bigger spring guarantees the mechanical closing of the door with a smooth and safe movement. The smaller spring guarantees the force to keep the door in closed position.

By a simple and quick rotation of the entire system, the closing thrust of the spring is inverted when the movement is in the opposite direction from the factory setting.



# Hermetic sliding door automation

- **Brushless motor in direct drive.** Addition of the gearbox for the Big version with greater load capacity.
- Highest levels of **reliability and performance.**
- The **section** of the operator is the **smallest** in the market.



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# REMOTE CONTROL

## FIRST LEVEL



Management via smartphone/tablet/pc, directly in front of the automation with the closed carter, of:



- All operations normally performed by the electronic keypad;
- Operating parameters and automation diagnostic data.

## SECOND LEVEL



Management via smartphone/tablet/pc, at a distance from the automation, of:



- All supervision operations for the correct operating;
- Reading data for diagnostic purposes;
- Programming ordinary/extraordinary maintenance interventions.

## THIRD LEVEL



Management via smartphone / tablet / pc, from a control center, of:



- Any kind of operation that can be performed by the electronic keypad of each automation;
- Operating parameters;
- Reading data for diagnostic purposes.

Example: automation network in shopping/directional centers, airports, hospitals, logistics centers.

# FACE

Automatic Doors

Driven only by direct-drive Brushless motors with extended range power supply 100-240 V (50/60 Hz) Switch Mode technology

100% made in Italy





**FOLLOW US ON**

