

EVOLUTION / SMART model

The EVOLUTION and SMART models are electromechanical operators for swing pedestrian doors. They can be used to automate both pre-existing swing doors and new ones. Their most notable features include robustness and a silent movement. They can be used both indoors and outdoors and on single or double doors. Their design also allows them to be mounted on either side of the door frame as they integrate into any setting.

These models have many applications, including public or private entrances for disabled persons or stores with a continuous stream of people and limited space. They are completely airtight and are therefore highly energy efficient. Furthermore, they have a wide and varied range of accessories to ensure user safety.

EVOLUTION AND SMART operators have a large variety of functions that allows their operation to be adapted to meet the needs of each client. In addition to the usual "Push & Go" and exit-only features, etc., they have others such as a courtesy feature for people with disabilities and an automatic increase in the opening and closing force when windy. They also allow the possibility to increase the waiting time when there is a continuous flow of people or simply to disable the automatic operation and use the door as a manual swing door when necessary.

VERSATILITY

The different swing models adapt to all types of installations.

The **Evolution operator** is available in two models: EVOLUTION B3, with a motorized opening and closing system; and EVOLUTION B1, with motorised opening and spring-based closure. This unit is equivalent to a normal electro-hydraulic system but has a much quieter movement. It can be used both outdoors and indoors and for intensive uses. It is also fitted with a motor to aid the springs when they are unable to close the door properly, especially in areas with strong wind.

This equipment has been certified for all major airports in the world.

The **Smart operator** has an opening motor and a spring closing system. It complies with the LOW ENERGY standards specified for swing doors. The system has all the functions of the Evolution operator and can be used both indoors and outdoors, as well as for intensive uses. The difference between the models is based on the maximum weight of the doors, which in this case is 125 kg.

INSTALLATION OPTIONS

SMART and EVOLUTION operators are easy to install and are available in two models:

- **Articulated arm** (the door opens in the opposite direction to the operator's position).

It requires a minimum height of 120 mm.

- **Rigid arm** (the door opens in the same direction as the operator's position).

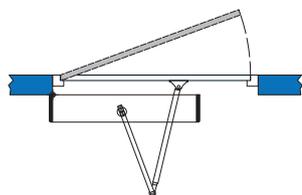
It requires a minimum height of 150 mm.

For double swing doors, the two operators are connected through a cable that synchronizes the master-slave system. Likewise, a casing in the same style as the operator is available to cover the space between the two operators.

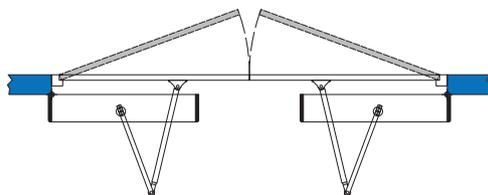
SECURITY AND RELIABILITY

All swing operators have the most advanced control systems, adapted to the current standards and are accredited with the following certificates: EN 60335-2-103, 73/23/CE, 2004/18/CE and 2006/42/CE.

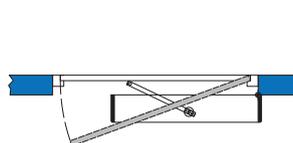
Push arm (one leaf)



Push arm (two leaves)



Pull arm (one leaf)



TECHNICAL SPECIFICATIONS

	EVOLUTION	SMART
Power supply	230 vac	230 vac - 110 vac
Maximum weight per leaf	250 kg	125 kg
Maximum leaf width	1400 mm	1200 mm
Maximum opening angle	95°	95°
Power	75 w	50 w
Airtightness (PI)	IP22	IP22
Operator measurements	106 h x 120 d x 550 l	106 h x 120 d x 550 l





STANDARD SYSTEM

- 1 Geared motor
- 2 Control panel
- 3 Power panel
- 4 Transformer
- 5 Torsion spring
- 6 Geared pulley system
- 7 Motorisation profile box

We open doors for you

