

## SWING DOORS

### EVOLUTION / SMART model



The EVOLUTION and SMART models are electromechanical models for pedestrian swing doors. They can be used for automating existing swing doors or on new installations. Their main characteristics are robustness and silent movement. They can be used both inside and outside for double or single doors and can be mounted on either of the two sides, as due to their design, they can be integrated into any environment.

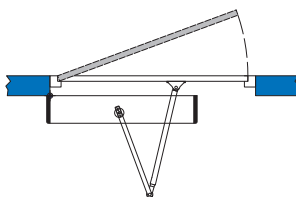
These models have many applications, particularly in terms of private and public entrances for disabled people or establishments with high traffic flows and limited space. They are extremely airtight and therefore highly energy efficient and have a wide and varied range of accessories to make the safety of the user a priority.

The EVOLUTION and SMART operators have a wide range of functions which enable their operation to adjust to the needs of each client. In addition to the usual "Push & Go", exit only, etc, functions, they have others such as the courtesy function for the disabled, and an automatic increase in the opening and closing force when it is windy. They also include the option of increasing the standby time when there is a high traffic flow or simply deactivating the automatic operation and using the door as a manual swing door when necessary.

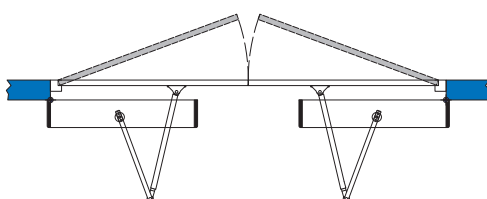


**EVOLUTION / SMART MODELS**

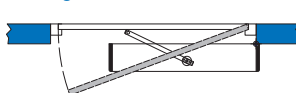
Pushing arm (one leaf)



Pushing arms (two leaves)



Pulling arm (one leaf)



**INSTALLATION**

The **EVOLUTION** and **SMART** operators allow for simple installation. They offer two installation methods:

- **Articulated arm** (opening away from the operator).  
A minimum height of 120 mm is required for its installation.
- **Rigid arm** (opening towards the operator).  
A minimum threshold height of 150 mm is required for its installation.

Where the threshold is not very high, there is the possibility of positioning the operator on the leaf itself. For double swing doors the connection between the two operators is by means of a cable provided for this purpose which synchronises the "master-slave" system. A casing is also available with the same aesthetic as the operator to cover the gap between the two operators.

**VERSATILITY**

There are two versions of the **EVOLUTION** system:

- **EVOLUTION B3**: electromechanical operator with motor opening and closure.
- **EVOLUTION B1**: electromechanical operator with motor opening and spring closure. Where the spring is not strong enough to close the door due to the wind or misalignment of the doors, the motor can operate to help the spring.

There is one version of the **SMART** system:

- **SMART B1**: electromechanical operator with motor opening and spring closure.

**TECHNICAL SPECIFICATIONS**

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