

SP - 280 Technical Information

Top of the range, high performance, for high traffic

Weight of up to 2 x 140 kg

SP-280 is a top of the range high performance automatic door designed to focus specifically on above average demands concerning high usage, reliability and functionality.

Sold worldwide since 2006, this system is universally applicable and impressive due to its superior performance. Equipped with powerful 80W motor, this system can operate heavier doors of up to 140 kg with smooth and robust efficiency. With proven track record in international markets, its high-quality materials and the latest motion sensor technology guarantee a premium

performance. It can with gentle ease move heavy door leafs and at the same time, it offers the maximum opening speed on the market today. It gives architects and developers a scope for imagination in their projects as it allows for very high and wide opening.

Application

It is universally applicable and can be used for almost any entrance, whether commercial, private or public. Suitable for automatic sliding doors which are subject to high traffic volumes; where specious entrance opening, functionality

and safety are factor. It can be used with light or heavy, frameless and toughened glass panels. It can be used for exterior or interior doors and high security areas.

At SPACE we can supplement this automatic sliding door system with various program switches, sensors and door profiles, all of which are specially designed for this system.

Features and advantages

- for doors panels of up to 2 x 140 kg
- Universal application, can move heavy and light panels, all glass types, framed or frameless
- Very silent movement
- Low wear due to high quality rollers, smooth aluminium track and precise design
- Powerful electromagnetion locking
- Fast opening and closing speed
- Control unit with many safety functions, and allows for connection of safety sensors
- Reliable function
- Can be combined with wide range of door profiles
- Suitable for framed or frameless door panels
- Tested to 3,000,000 cycles

Technical information

Door parameters	SP - 280
1-panel sliding door	
- Opening width	500 – 3000 mm
- Door panel weight, max.	1 x 180 kg
2-panel sliding door	
- Opening width LW	1000 – 3000 mm
- Door panel weight, max.	2 x 140 kg
Passage height PH	
- Average	2100 – 2300 mm
- Maximum	3000 mm

Technical data	
Drive Height	175 and 200 mm
Depth	110 mm
Opening and closing force max. 180 N	x
Opening speed (incremental and adjustable)	0.1 – 0.9 m/s
Closing speed (incremental and adjustable)	0.1 – 0.8 m/s
Hold-open time	1 – 5 sec.
Mains voltage, frequency	AC 110 - 240 V, 5A 50/60 Hz
Operating environment	-20°C to +50°C 10% to 90%RH
Motor	80 W DC Motor
Tested according to EU EMC Directive 89/336/EEC	x
Manufactured according to ISO 9001:2000	x

- x standard
● optional

SP-280 Control unit	
Microprocessor controller	x
Functional programs	
- Off	x
- Automatic	x
- Permanent open	x
- Partial open	x
- Locked	x
Emergency off	x
Ratchet (flip flop function)	x
LED type function and error indicators	x
Automatic end point positioning	x
Automatic path measurement	x
Adjustable basic parameters via dip switch	
- Opening speed	
- Closing speed	
- Breaking and starting force	x
Automatic reversing	x
Emergency opening or closing (only with battery pack)	x
Connection for bistable electro-mechanical locking	x
Connection for light barriers/photocell	x
24 V output for external consumption	x

Additional equipment	
Electro-mechanical lock (bistable)	●
Light barriers (single or dual)	●
Battery pack (emergency opening, emergency closing)	●
Module for access control system	●

Dimensional drawings

