

SP - 180 Technical Information

For medium weight doors, in all areas of application, for high traffic

Weight of up to 2 x 90 kg

SP-180 is based on the SP-280 system, but modified for simple automation of sliding door units of less weight to be used in areas of all applications. Reliability is guaranteed as many components are taken from the SP-280 system, which has a proven track record on international market,

SP-180 is a particularly cost effective sliding door operator. Based on the tried and trusted SP-280 system, it has been modified to meet the requirements of less weight and medium sized door applications, but retaining the same intelligent control system as SP-280. Fitted with a lighter and new direct

current, low wear and maintenance free 60W motor, it is able to move light to medium heavy door leaves of up to 90kg with ease. Long working life, reliability and low maintenance costs are guaranteed and the movements of the door leaves are quiet, providing pleasant ambience in the rooms they serve.

Application
Perfectly suited for internal and external entrances with high-traffic levels, for example in supermarkets, airports and banks and ideal for areas with frequent door movement. Some of the areas, but not limited to,

where this system can be used include, administration buildings and public buildings, airports and railway stations, hotels, restaurants and other commercial and public buildings.

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 90 kg
- Very simple installation assembly, commissioning and adjustment
- Low number of system components
- Easy to maintain
- Low wear due to high quality rollers, smooth aluminium track and precise design
- 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 1,000,000 cycles

Technical information

Door parameters SP - 180

1-panel sliding door	
- Opening width	500 – 3000 mm
- Door panel weight, max.	1 x 100 kg
2-panel sliding door	
- Opening width LW	1000 – 3000 mm
- Door panel weight, max.	2 x 90 kg
Passage height PH	
- Average	2100 – 2300 mm
- Maximum	3000 mm

Technical data

Drive Height	170 and 200 mm
Depth	110 mm
Opening and closing force max. 150 N	x
Opening speed (incremental and adjustable)	0.1 – 0.7 m/s
Closing speed (incremental and adjustable)	0.1 – 0.5 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
Power consumption	60 W DC Motor
Tested according to EU EMC Directive 89/336/EEC	x
Manufacture according to ISO 9001:2000	x

- x standard
- optional

SP-180 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	x
- Closing speed	x
- 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

