

SP - 160 Technical Information

Low cost model, for simple applications and light traffic

Weight of up to 2 x 75 kg

SP-160 automatic sliding door operator is a budget model designed for less demanding applications and lighter door weights.

It is suitable for entrances that are less demanding in terms of space and traffic levels.

This is a cost effective automatic sliding door designed for markets that would like to receive the benefits associated with automatic doors but are under budget constraints. Fitted with smaller, lighter electrical motor and a modified control unit, makes this operator remarkably economical on

electrical consumption, providing excellent operational smoothness and efficiency and still meets the requirements for automatic sliding doors with light to medium door leaves of up to 75 kg.

Application

This operator is ideal for simple, yet safe, applications in variety of indoor and outdoor locations. It is ideal for entrances in less demanding areas, where smaller opening with lighter door panels is sufficient.

It is particularly suitable on single and double leaf doors in full glass configuration, whether it be toughened or insulation glass.

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 75 kg
- Very simple installation
- Minimum components for easy storage and transport
- Limited maintenance required
- Silent operation
- Low electricity consumption
- Wear free operation
- Reliable function
- Can be combined with wide range of slim door profiles
- Suitable for light framed or frameless door panels
- Tested to 1,000,000 cycles

Technical information

Door parameters	SP - 160
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 75 kg
Passage height PH	
- Average	2100 – 2300 mm
- Maximum	2500 mm

Technical data	
Height	170 and 200 mm
Depth	110 mm
Opening and closing force max. 180 N	x
Opening speed (incremental and adjustable)	0.1 – 0.6 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
Motor power	50 W DC Motor
Tested according to EU EMC Directive 89/336/EEC	x
Manufacture according to ISO 9001:2000	x

- x standard
● optional

SP-160 Control unit	
Microprocessor controller	x
Functional programs	
- Off	x
- Automatic	x
- Locked	x
Emergency off	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
Automatic reversing	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)	●
SP-180/280 Control Unit	●

SP-160 automatic sliding door operator can be combined with SP-180/280 control unit for additional functions.

Dimensional drawings

