



A100 Range

SLIMLINE AUTOMATED SYSTEM
FOR SLIDING DOORS

The DSS A100 slimline automation system for sliding doors is rated for continuous duty for single and double leaf applications.

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Registered in Scotland No. 279934 Vat Reg No. 652 9292 15

Working in partnership with **FAAC**

A100 Range

Slimline Sliding Door Operator



Measuring just 100mm in height and with a depth of 135mm, the A100 is one of the smallest automatic door operators currently available, making it ideal for installations where space is severely restricted. Suitable for single leaf doors of up to 110kg or two leaves with a combined weight of 140kg. The A100 is designed for continuous operation, meeting demand for a compact automatic operator for doors in areas of high traffic.

Highly energy efficient and extremely cost effective, the A100 door automation system operates with just 100 watts of absorbed power. The compact nature of the system also means less raw materials are used during manufacture, further reducing its impact on the environment.

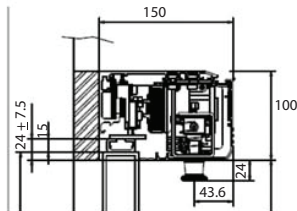
Featuring a 100% duty cycle and a very fast response time, the A100 also leads the way in safety features. A unique battery backup system can be specified to give up to 20 minutes continuous use in the event of a power failure.

A100 Technical Specifications

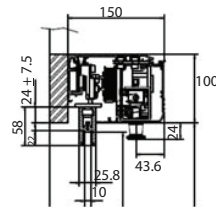
	A100 COMPACT	A100 COMPACT 2
No. of leaves	1	2
Max leaf weight	110kg	70 + 70kg
Transit space (VP)	700 ~ 3000mm	800 ~ 3000mm
Max thickness of framed leaf	60mm	
Power supply	115V/230V ~ 50 /60 Hz	
Absorbed power	100 W	
Use frequency	100 %	
Drive unit	24 Vdc motor with encoder	
Head profile length LT	VP x 2 + 100mm	
Opening speed (load free)	5~70cm/sec	10~140 cm/sec
Closing speed (load free)	5~70cm/sec	10~140 cm/sec
Pause time adjustment	0 ~ 30 sec	
Night pause time adjustment	0 ~ 240 sec	
Static force adjustment	automatic	
Partial opening	10% ~ 90% of total opening	
Anti-crush device active	at opening/closing	
Photocells fail safe	Yes (can be activated by programming)	
Protection class	IP23 for indoor use	
Operating ambient temperature	-200C to + 550C	

Head Profile

A100 Compact



A100 Compact Glass Leaf



SD Keeper



SD Keeper with Display



SD KEEPER functions keyboard (standard) Available programs

1. Manual
 2. Two-way/one-way
 3. Partial opening/total opening
 4. Automatic/ hold open
 5. Night/lock
- Self diagnosis by means of LEDs
- Function lock out by contact or push button
- Provision for programming display connection

Accessories

- Miniswitch GLS Photocell
- Passive infrared sensor
- Microwave radar
- T20/T21 key-operated push buttons, wall and flush mounting, with emergency release device
- Leaf securing profiles for glass
- Electro-mechanical lock with internal release device
- Padlock surveillance with possibility of visual or acoustic signal in case of malfunction
- Emergency batteries with recharging card. Guarantee a 20 minute range of continuous duty

Programming display main functions

- | | |
|---------------------------|--------------------------------|
| Access password insertion | Opening speed adjustment |
| Closing speed adjustment | Anti-crush adjustment |
| Pause time adjustment | Anti-crush function management |
| Diagnostic visualisation | Weekly calendar management |
- Interlock management with or w/o memory
- Operating functions selection with battery in use
- Timer function by means of back-up battery (in SD keeper)
- Cycle counter display
- Manages 5 daily time bands

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