

FRIENDLY LOW ENERGY

Installing automatic doors is not just about image and adapting to the most innovative technologies, but is concrete proof of a project aimed at social improvement which, in turn, improves the lives of people themselves.

In addition, the automatic door is an ideal tool to resolve the problems relative to architectural barriers.

We should not be surprised by the fact that the doors to rooms or the entrance often represent the principal obstacles for older people or people with disabilities.

In the public sector, the problem has been known for some time and resolved with the use of auxiliary equipment required by new regulations. The private sector has instead been at a disadvantage because of the limited availability of solutions.

Ditec is in a position to offer automation able to resolve these problems with automation for doors which require little maintenance and are small in size. Another important requirement is represented by the ease of mechanical and electrical installation on already existing frames.



A complete range, fully certified

Description	Ditec Sprint	Ditec DAB105	Ditec Wel M	Ditec Wel S
Automation for swing doors	motor opening and closing, with encoder	motor opening, spring and motor closing	motor opening and closing	motor opening, spring closing
Maximum capacity	80 kg x 1 m	90 kg x 1.2 m	250 kg x 1 m 150 kg x 1.5 m	250 kg x 1 m 150 kg x 1.5 m
Special uses	disabled use		disabled use emergency exits	disabled use emergency exits
Duty class	heavy duty	heavy duty	heavy duty	heavy duty

Ditec Sprint

Small in size. Big in performance
Ideal for residential use



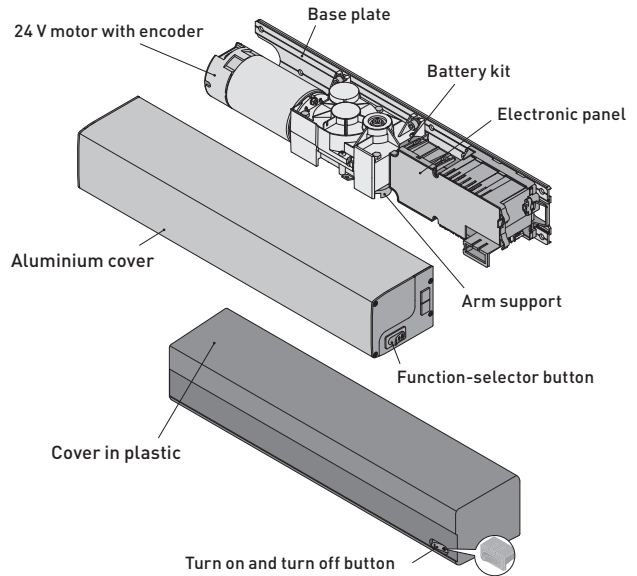
Beautiful. The new Ditec Sprint automation, thanks to its neutral and elegant appearance is the ideal solution for both residential and high-class environments, such as professional studios, shops, offices and hotels.
Available in light grey, black or satin aluminium, it is suitable for internal swing doors up to 80 kg of weight.

Simple to assemble and install thanks to the lower weight fastening plate and the adjustments which can be set on the electronic card.

Simple to configure according to the choices and needs of its user thanks to the PUSH & GO and LOW ENERGY modes.

Modular. It is possible to select the 24 V DC or 230 V AC power supply operator with the desired cover, the most suitable arm and add batteries, if required: the installers just have to select what they really need and if they wish they can integrate the selectors, the sensors and the other Ditec accessories for a more complete installation.

Main components



Product range

230 V AC power supply		
Description	Cover	Transformer
SPRINTV	aluminium	■
SPRINTP	light grey plastic	■
SPRINTPN	black plastic	■
24 V DC power supply		
Description	Cover	
SPRINTLV	aluminium	
SPRINTL	light grey plastic	
SPRINTLN	black plastic	



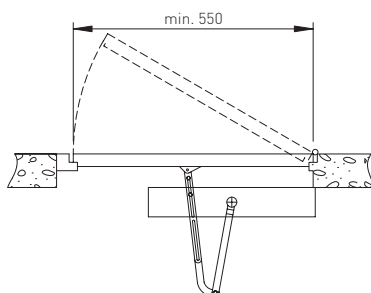
Movement arms

SBA

Arm with articulated motion.



Articulated - SBA

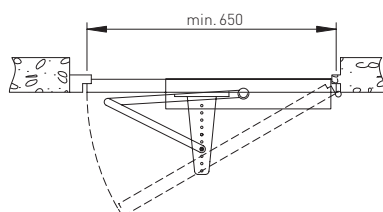


SPRINT BRAS

Arm with three-section articulated motion for doors that open inward; automation seen from the side.



Articulated in three sections - BRAS

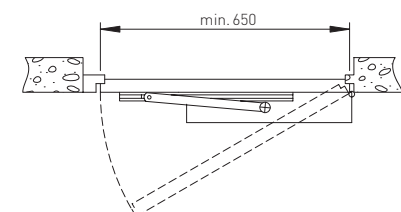


SBS

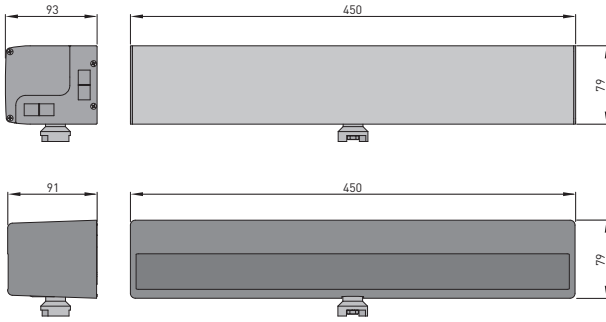
Arm with sliding motion.



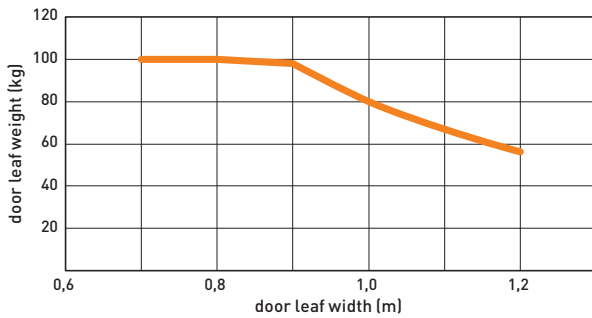
Sliding - SBS



Dimensions



Operation diagram



The diagram is calculated with the following formula:

$$J = 1/3 \times \text{door leaf weight} \times \text{door leaf width}^2$$

J = inertia [kgm²]

Max. inertia: J = 27 kgm²

Technical specifications

Description	Ditec Sprint
Maximum capacity	100 kg x 0.8 m 80 kg x 1.0 m
Service index	5 – heavy duty
Lifecycle	1,000,000 cycles
Power supply	230 V AC / 50-60 Hz
Power input	0.5 A
Opening time	3÷6 s/90° (adjustable)
Closing time	4÷7 s/90° (adjustable)
Hold open time	30 s
Operating temperature	-20°C / +55°C (-10°C / +50°C with batteries)
Protection level	IP 30, Class II (plastic version)
Product dimensions mm (H x D x L)	79x93x450
Control panel	EL38



Specific accessories

- SPRINTBAT: battery kit
- SPRINTSET: memory card to rapidly set the automation

Relevant Directives and Standards

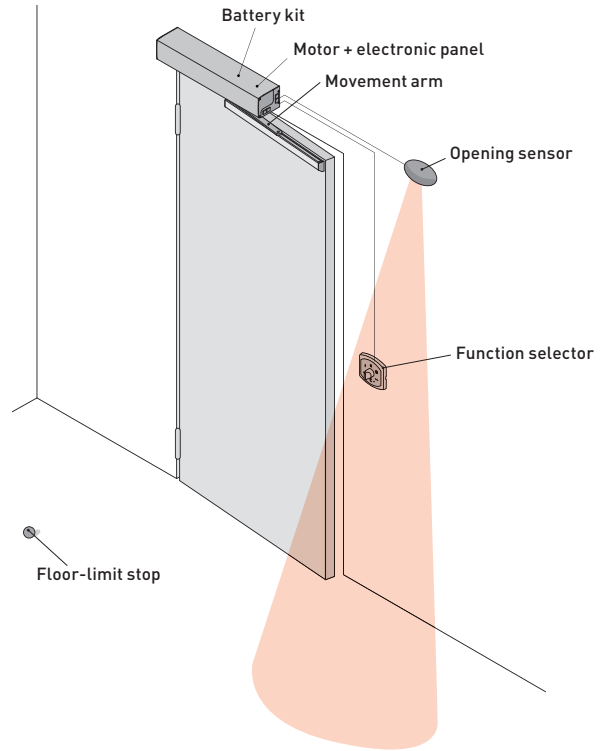
MD
Machine Directive

EMCD
Compatibility Directive
Electromagnetic


LVD
Low Voltage Directive

EN 16005
User Safety Standard

Installation type



System functions

Description	EL38
Control panel	for 1 motor 24 V DC
Mains power supply	230 V AC / 50-60 Hz
Batteries	■ (optional)
 Energy saving	reduced consumption when in use
Motor power supply	24 V DC / 3.6 A
Accessories power supply	24 V DC / 0.3 A
Electro-mechanical lock	12 V DC / 1.2 A
Encoder	■
ODS - Obstruction Detection System	■
Opening/closing speed setting	■
Low energy mode	■
Push opening - PUSH & GO	■
Emergency Stop / Emergency Reverse	■
Safety Test	■
Operator status control	■ (optional)

Control accessories and sensors

The automation can be completed with Ditec command, control and safety devices.

To select appropriate items, please refer to the PM general price list.