



Automatic pedestrian doors

EN

Ditec automation: a complete range of products for any requirement



Straight-line sliding doors

Ditec Civik

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Quiet and lightweight
For next generation offices and private housing

Ditec Rex

PAGE 8

Simple and versatile
The very popular automation for commercial premises

Ditec Valor

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The top of the range
For the most demanding commercial applications

Ditec Ten

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Reduced height automation: only 100 mm high
Ideal for high-tech commercial fronts



Swing doors

Ditec Wel

Versatile and quiet
Packed with features

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Ditec Sprint

Small in size. Big in performance
Ideal for residential use

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DISTI

Ditec automatic doors.

A sign of distinction.

Comfort, safety, prestige, hygiene, appeal, access control and, in the case of air-conditioned areas, optimised energy consumption: these are just some of the advantages of having an automatic door outside as well as inside.



ACTIVE CLASS

Today's life has made it more and more frequent and common to find doors that open when we get near them. Thanks to cutting-edge technology, superior quality of processes and materials, our automatic sliding doors, opening and closing smoothly and trouble-free, not only give the building something more in terms of look, novelty and appeal but they also make the life of the people using them more and more comfortable. This is why having an automatic door is not only a question of image and adaptation to advanced technical solutions, it also shows care for the people that come and go, making their life easier.

Automatic doors also provide an ideal means to solve problems arising from architectural barriers.

A comprehensive and certified range

Ditec is the widest automation range available for straight-line sliding pedestrian doors, capable of satisfying any particular requirement or performance: from the high-opening speed automatic systems for high-traffic entrances, to the smooth and controlled motion systems for house installations. These automatic systems are easy to install and come in a variety of aesthetic solutions that can match any type of furniture. Ditec also provides solutions with specially designed antipanic devices, designed to increase safety levels and to facilitate access to escape routes in emergencies. The following tables allow customers to select the most suitable automation for individual requirements and to check their comprehensive and advanced technical features.



Ditec Civik

Quiet and lightweight
For heavy duty

Glass walls and doors are a solution devised to meet the modern requirements of interior design: they smartly enhance the look of residential and work environments by giving the rooms they are located in more light and a more spacious feel.

For hide-away or sliding doors

Glass can be used to fit full dividing walls, moving walls and all types of doors, including sliding or hide-away doors, which add efficiency and comfort, specially in heavy traffic working environments.

Versatile

Ditec Civik automation is quiet and light, simple and versatile. It is very well suited for all frame types, from glass, to wood, to crystal, whose smart look is enhanced by a special connection system and a technology able to highlight the qualities of the material.

Ditec Civik features a range of functions and accessories, which enhance their efficiency and safety by controlling the operating mode and the door opening times, to allow reduced mobility people or cumbersome objects to go through, making sure the door can be fully operated even in the event of temporary power failure.


Ditec Civik is an Energy Saving automation thanks to its new generation electronic panel, which allows energy consumption to be optimised both in operating and stand-by modes.



Technical specifications

	Civik
Description	automation for internal sliding doors
Special uses	use by the disabled
Travel control system	encoder
Maximum capacity	60 kg (1 wing) 80 kg (2 wings)
Duty class	4 – heavy duty
Intermittent operation	S2 = 20 min S3 = 30%
Power supply	230 V AC / 50-60 Hz
Power input	0.2 A
Maximum opening speed	0.4 m/s (1 wing) 0.8 m/s (2 wings)
Maximum closing speed	0.2 m/s (1 wing) 0.4 m/s (2 wings)
Operating temperature	-20°C / +55°C
Protection rating	IP 20
Product dimensions (mm)	130 x 75 x L
Control panel	EL06A (built-in)

Main system functions

	Civik
Control panel	EL06A
Mains power supply	230 V AC / 50-60 Hz
 Energy saving	reduced consumption when in stand-by and in use
Number of motors	1
Motor power supply	24 V DC / 1.8 A
Accessories power supply	24 V DC / 0.3 A
Electrically operated lock	24 V DC / 0.5 A
Encoder speed and deceleration control	■
ODS - Obstruction detection system	■
Braking / Deceleration	■
Open control	■
Push opening	■
Close control	■
Automatic timed close control	■
Reverse operation safety device	■
Safety test facility	■

Ditec Rex

Simple and adaptable For very heavy duty

Easy assembly and multi-purpose applications make Ditec Rex a widely known automation. The traction unit and the electronic control panel in one block, make assembly time shorter.

Many components are in common with other automation solutions from the Ditec line and this is a sure advantage for our customers.

Guaranteed functioning even without electricity

A device with built-in batteries which ensures operation even in the event of a power failure.

Safe and noiseless

Ditec Rex is provided with a 24 V DC motor, a microprocessor logic electronic control panel, an electronic impact-free device with encoder, a photocell device with amplifier, projector and receiver.

The casing is made of aluminium extrusion and traction is performed by means of a synthetic toothed belt.


Ditec Rex, like all the other Ditec automation solutions can come with a complete range of original Ditec accessories for control and safety, in addition to the specific accessories included in the line.



Technical specifications

	Rex S
Description	automation for sliding doors
Travel control system	encoder
Maximum capacity	100 kg (1 wing) 140 kg (2 wings)
Duty class	5 - very heavy duty
Intermittent operation	S3 = 100%
Power supply	230 V AC / 50-60 Hz
Power input	0.5 A
Maximum opening speed	0.6 m/s (1 wing) 1.2 m/s (2 wings)
Maximum closing speed	0.6 m/s (1 wing) 1.2 m/s (2 wings)
Release system for manual opening	handle type
Operating temperature	-20°C / +55°C (-10°C / +50°C with batteries)
Protection rating	IP 20
Product dimensions (mm)	100 x 190 x L
Control panel	EL20 (built-in)

Main system functions

	Rex S
Control panel	EL20
Mains power supply	230 V AC / 50-60 Hz
Batteries	■ (optional)
 Energy saving	reduced consumption when in use
Number of motors	1
Motor power supply	24 V DC / 8 A
Accessories power supply	24 V DC / 0.5 A
Electrically operated lock	24 V DC / 1 A
Encoder speed and deceleration control	■
Force adjustment control	electronics
ODS - Obstruction detection system	■
Speed adjustment	■
Braking / Deceleration	■
Open control	■
Push opening	■
Partly open control	■
Close control	■ (optional with MP1)
Automatic timed close control	■
Stop safety device	■
Reverse operation safety device	■
Safety test facility	■
Built-in photocell amplifier	■

Ditec Valor



**High-tech, exceptionally well designed top of the range
For continuous duty**

Ditec Valor is the straight sliding automatic door designed with great attention to details to meet the most demanding requirements for commercial applications.

Ditec Valor has gained a leading position in the marketplace as it features very advanced technologies, last generation electromechanical components, an innovative control panel, very quiet, smooth operation ensured by the vibration proof sliding guide.

Multiple operational situations

Ditec Valor sliding door is specially suitable for very heavy duty, continuous use applications, such as in public areas, large shopping centres and airports, where the high traffic requires a more demanding operation compared to other locations.

Self-adjustment of the door opening

In air conditioned rooms, Ditec Valor ensures better power consumption thanks to the automatic closing time and access opening auto set-up according to the number of people crossing the doors. In high pedestrian traffic areas, Ditec Valor increases the automatic opening time, whilst the transit opening can be partly opened if the number of people going through the door is not very high.

Product range

	Capacity	Duty
Valor L	up to 180 kg	very heavy
Valor P	up to 220 kg	continuous
Valor N	up to 300 kg	continuous
Valor T	up to 260 kg	continuous and telescopic
Valor HS	up to 500 kg	continuous



Comprehensive, solid, versatile and quiet

A wide array of functions

Designed to offer a versatile and comprehensive product, it features a range of exclusive, major features which make it suitable for the most diverse operating conditions:

- **Advanced electronics**, thanks to the electronic panel with all on-board basic settings and to the built-in photocell amplifier
- **Display** built in the head or wall mounted, which ensures all door parameters to be set:
 - a) to increase the settings available on the control panel,
 - b) to supply information on all/part of door operations,
 - c) to set up a maintenance alarm,
 - d) to view the operating diagnostics,
 - e) to set up a password,
 - f) to view the electronic panel firmware version,
 - g) to check the door status at any time and in any position
- **Automatic opening time auto set-up.**
With high pedestrian traffic, the automation automatically increases the opening time
- **Transit opening auto set-up.**
With high pedestrian traffic, the automation automatically switches from partly to fully opened
- **Built-in safety sensors.**
In all models, all sensors may be fitted under the guard, with clear aesthetic benefits
- **MP1 electronic PCB**, added to extend the control functions available
- **Quiet operation.**
Thanks to the vibration proof seal located under the sliding guide, on all models the Ditec Valor range ensures a smoother operation
- **Self supporting facility** on all models (excluding Ditec Valor L and P)
- **Equipped with a wide range of accessories.**
Batteries with emergency or UPS facility can be selected, as well as a release system built in the automation (excluding the telescopic model) which may be matched to a wall mounted manual release system
- **Operating unit.**
Monobloc control/drive system with direct current gear motor with encoder, control and monitoring panel, with new generation microprocessor based logic, which allows to remotely set up and control the automation from the display or a computer
- **On-board or remote control.**
As well as being easily monitored by means of a remote monitoring system **DMCS** (Door Monitoring & Controlling System), the Ditec Valor control panel is connected to a **MD1 display** built in the head or wall mounted, to monitor and set up the following functions: diagnostics, maintenance alarm, opening setting, control panel function display
- **Dedicated frames.**
Every Ditec Valor automation has been designed to match the **Ditec Pam 16/23/45** profile series, but can also be used with commercially available profiles.

MD1 DISPLAY MODULE

Using the controls from the electronic panel

Password management

Electronic panel firmware version display

MP1, MD1 firmware version display

Total/partial operations display

Maintenance alarm setting

Safety, alarm and fault display

Automation status display

Automatic closing time and access opening auto set-up

Partial to total opening automatic switching

PLUS MP1 MODULE

Accessory dedicated electrical connections

Manual closing control

Contact for opening key

Contact for closing key

Contact for people access visual/audio indicators

Dedicated connection for safety sensors equipped with safety test monitoring facility

General Purpose outputs

Output for spot light; Air blade power supply


Battery status monitoring facility with advanced test, to allow emergency opening

Ditec Valor

Technical specifications

	Valor L	Valor P	Valor N	Valor T	Valor HS
Description	automation for sliding doors	automation for sliding doors	automation for sliding doors	automation for telescopic sliding doors	automation for heavy sliding doors
Special uses	emergency breakout and redundant exit	emergency breakout and redundant exit	emergency breakout and redundant exit	redundant emergency system	
Stroke control	encoder	encoder	encoder	encoder	encoder
Capacity	100 kg (1 wing) 180 kg (2 wings)	120 kg (1 wing) 220 kg (2 wings) 100 kg (1 breakaway wing) 180 kg (2 breakaway wings)	120 kg (1 wing) 240 kg (2 wings)	200 kg (2 wings) 260 kg (4 wings)	class 4: 200 kg (1 wing) 340 kg (2 wings) class 5: 170 kg (1 wing) 300 kg (2 wings)
Capacity with reinforced wheels			150 kg (1 wing) 300 kg (2 wings)		
Capacity with 2 wheels for runner					class 5: 300 kg (1 wing) 360 kg (2 wings) class 6: 220 kg (1 wing) 300 kg (2 wings)
Capacity with 2 wheels for runner and 3rd runner					class 4: 450 kg (1 wing) 500 kg (2 wings) class 5: 350 kg (1 wing) 400 kg (2 wings)
Duty class	5 - very heavy	6 - continuous	6 - continuous	6 - continuous	4 - heavy duty 5 - very heavy 6 - continuous
Intermittent operation	S3 = 100%	S3 = 100%	S3 = 100%	S3 = 100%	class 4: S2 = 20 min S3 = 30% class 5: S2 = 60 min S3 = 60% class 6: S3 = 100%
Power supply	230 V AC / 50-60 Hz	230 V AC / 50-60 Hz	230 V AC / 50-60 Hz	230 V AC / 50-60 Hz	230 V AC / 50-60 Hz
Power input	1 A	1 A (1.6 A with weight > 200 kg)	1 A (1.6 A with weight > 200 kg)	1 A	1 A
Maximum opening and closing speed	0.8 m/s (1 wing) 1.6 m/s (2 wings)	1 wing: 0.8 m/s (0.6 m/s with weight > 180 kg) 2 wings: 1.6 m/s (1.2 m/s with weight > 180 kg)	1 wing: 0.8 m/s (0.6 m/s with weight > 200 kg) 2 wings: 1.6 m/s (1.2 m/s with weight > 200 kg)	0.8 m/s (2 wings) 1.6 m/s (4 wings)	0.5 m/s (1 wing) 1.0 m/s (2 wings)
Release system for manual opening	built-in handle	built-in handle	built-in handle	handle	handle
Operating temperature	-20°C / +55°C (-10°C / +50°C batteries)	-20°C / +55°C (-10°C / +50°C batteries)	-20°C / +55°C (-10°C / +50°C batteries)	-20°C / +55°C (-10°C / +50°C batteries)	-20°C / +55°C (-10°C / +50°C batteries)
Protection rating	IP 20	IP 20	IP 20	IP 20	IP 20
Product dimensions (mm)	175 x 145 x L	175 x 145 x L	175 x 145 x L	255 x 145 x L	150 x 300 x L
Approvals	TÜV	TÜV	TÜV	TÜV	
Control panel	EL20 (built-in)	EL20 (built-in)	EL20 (built-in)	EL20 (built-in)	EL32 (built-in)

Main system functions

	Valor L - Valor P - Valor N - Valor T	Valor HS
Control panel	EL20	EL32
Mains power supply	230 V AC / 50-60 Hz	230 V AC / 50-60 Hz
Batteries	■ (optional)	■ (optional)
Energy saving 	reduced consumption when in use	reduced consumption when in use
Number of motors	1	1
Motor power supply	24 V DC / 10 A	24 V DC / 15 A
Accessories power supply	24 V DC / 0.5 A	24 V DC / 0.5 A
Electrically operated lock	24 V DC / 1 A	24 V DC / 1 A
Courtesy light	■ (with MP1)	■ (with MP1)
Encoder speed and deceleration control	■	■
Force adjustment control	electronics	electronics
ODS - Obstruction detection system	■	■
Speed adjustment	■	■
Braking / Deceleration	■	■
Open control	■	■
Partly open control	■	■
Close control	■ (optional with MP1)	■ (optional with MP1)
Automatic timed close control	■	■
Stop safety device	■	■
Reverse operation safety device	■	■
Safety test facility	■	■
Built-in photocell amplifier	■	■



Ditec Ten



Practical and quick to install
For continuous duty

Nowadays, planning buildings with technological facades has become a common reality.

Automatic doors should obviously conform to this new reality in aesthetic terms, so as to be perfectly integrated in the technological structure, as well as in qualitative terms.

Ditec Ten is the Ditec automation specifically engineered to satisfy the new architectural and application requirements.

Structural imperfections are not a problem thanks to its vertical travel

The new architecture requires more than beauty. In fact, as a consequence of technological innovation, house building formulas have completely changed and building yards themselves have become a place where products are not only manufactured, but also assembled and finished.

Despite its thin structure, Ditec Ten allows to have up to a 12 mm vertical adjustment, thanks to its special but simple internal translation components.

This gives Ditec Ten a very important advantage because it allows to make up for floor unevenness and thermal expansion typical of building metal components, thus making installation trouble-free.

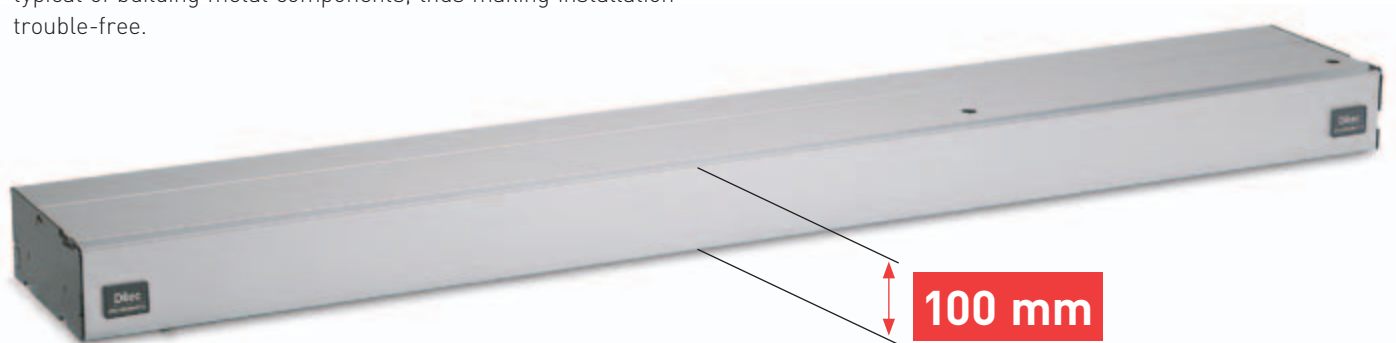
Functionality

Modern and technological, Ditec Ten is characterised by three major, general features:

- Its casing is only 100 mm high
- It can be adjusted vertically up to 12 mm
- Its casing can be assembled in two separate parts to be joined.

Geometrical and neat appearance

The automation is enclosed in a functional, elegant and simple aluminium cover, only 100 mm high, which perfectly and almost invisibly combines with the structural system of the building components.



Two-part casing simple to join. Difficult to be easier

The elegant cover is divided into two anodised aluminium sections to be joined in sequence with a very simple movement. Trolleys and wheels are housed in the first section and the door mobile wings are attached to them. This allows easy wing installation and adjustment, as there are no hindrances typical of very low automation.

The drive unit - which consists of the gear motor, the electronic control panel and the transformer already mounted onto a single bracket to facilitate installation - is housed in the second section. Wiring is orderly enclosed in a raceway obtained in the aluminium section.

Ditec Ten automation has been engineered to facilitate installation and to enable installers to work trouble-free.


The redundant version, tested and approved for escape routes, is available.



Technical specifications

	Ten
Description	automation for sliding doors
Special uses	breakout and redundant emergency exits
Travel control system	encoder
Maximum capacity	100 kg (1 wing) 200 kg (2 wings)
Portata con ruote rinforzate	120 kg (1 wing) 200 kg (2 wings)
Duty class	6 - continuous
Intermittent operation	S3 = 100%
Power supply	230 V AC / 50-60 Hz
Power input	1 A
Maximum opening and closing speed	0.8 m/s (1 wing) 1.6 m/s (2 wings)
Release system for manual opening	handle type
Operating temperature	-20°C / +55°C (-10°C / +50°C with batteries)
Protection rating	IP 20
Product dimensions (mm)	225 x 100 x L
Approvals	TÜV
Control panel	EL20

Main system functions

	Ten
Control panel	EL20
Mains power supply	230 V AC / 50-60 Hz
Batteries	■ (optional)
 Energy saving	reduced consumption when in use
Number of motors	1
Motor power supply	24 V DC / 10 A
Accessories power supply	24 V DC / 0.5 A
Electrically operated lock	24 V DC / 1 A
Courtesy light	■ (with MP1)
Encoder speed and deceleration control	■
Force adjustment control	electronics
ODS - Obstruction detection system	■
Speed adjustment	■
Braking / Deceleration	■
Open control	■
Partly open control	■
Close control	■ (optional with MP1)
Automatic timed close control	■
Stop safety device	■
Reverse operation safety device	■

Accessories

Each automation system should be completed with control and safety devices compatible with all the components of the automation and complying with regulations in force

Ditec offers premium quality products and accessories, which satisfy any requirement

Function program selectors with and without key lock

COM are the electronic program selectors designed to select and set desired operation modes for one or more automatic doors.

Suitable both for sliding and swing doors by simply replacing the frontal keypad, which is usually supplied with the product. Recognition of the type of automation it is connected to is completely automatic.

COM E

COM E **01** is the digital electronic selector switch specially designed to set up the electronic panels operating modes. It consists of a unit fitted with a microcontroller, with a front keyboard and a LED indicator.

It can be wall, surface mounted or recessed, and has been designed in a format compatible with the square shape of switches and power sockets.

COM E operating modes:

- COM E allows up to 4 doors to be set up in the same operating mode;
- two COM E can be connected on the same automation;
- COM EL **02** is also available, a practical, useful and colour matched accessory designed to externally block the door with a key.

COM H and COM K

These are the function rotary program selectors for automatic door operation mode setting. Available in two versions, with actuation by handle (COM H **03**) or by key (COM K **04**), these are both provided with a double interchangeable frontal keypad, for sliding or swing doors.

The control instrument is a 6-position rotary electromechanical changeover switch.

These units as well have provision for wall fastening, surface or flush mounting, and their size is perfectly compatible with switch and socket square standard.

COM G and COM GC

These are the radio controlled selector switches used to set up the operating modes of automatic doors. Available in the COM G version, with 8 door status selecting modes, and in the COM GC version, specifically designed for Ditec Civik automation, with 6 door status conditions and open and close control mode selection modes.



Safety photocells

These photocells provide greater control during detection of possible obstacles. They are practical and almost invisible and can be positioned at different heights **05**.

Volumetric sensors

These are advanced electronic systems, which detect presence or passage of people in a specific area facing the entrance and have the function to control door opening and closing, and to ensure safe passage **06**.

Safety area sensors

Active infrared sensor able to monitor a person approaching or standing by the door, with the option to control the width and depth of the detection area, as well as how much and frequently it is being used. Available in the recessed version, built in the automation **07**, or wall mounted **08**.



Control area sensors

Infrared active sensors **09**

Wide range of functions:

- detection area width and depth adjustment
- application level adjustment
- functional sensitivity adjustment
- people detection time adjustment

Passive, infrared sensors **10**

These have the following features:

- sensitivity adjustment and opening selection
- opening field zoom adjustment

Microwave sensors

This is a volumetric **11** **12**, one- or two-direction system, which can be fitted on walls or on the ceiling through its bearing. Accurate motion detection. Parameters can be modified even from a distance by means of a remote control.



Push-buttons for disabled use

Painted or SS elbow-shaped rectangular push-buttons.

Push-buttons for door opening for disabled use **13**.

Recessed mounted on aluminium profiles or surface mounted by means of a special casing.

Digital or key selectors

These selectors allow access to authorised people only.

They can be fitted both indoors and outdoors. Can have a key **17** version and a vandal-proof keypad **18** **19**.

Control buttons

The door is opened by lightly pressing **14** or with the proximity of your hand **15**.

Opening contact sensors or transponder technology control sensors

These sensors enable door opening through buttons or codified cards **20**. They are the ideal solution to automate entrances in companies or private buildings wherever access should be allowed to authorised people only.

Sensitive floor mats

These mats can be positioned under carpets **16** to detect presence and control door opening.



FR

E

More comfort in your environment, more freedom in your life with the automation for Ditec Wel and Ditec Sprint swing doors.

They make the environment unique and comfortable and greatly assist older people or those less fortunate in carrying out everyday activities such as opening and closing doors.



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 Wel E	Ditec Wel M	Ditec Wel S	Ditec Sprint
Automation for swing doors	motor opening, spring closing	motor opening and closing	motor opening, spring closing	motor opening and closing
Special uses	disabled use	disabled use emergency exits	disabled use emergency exits	disabled use
Duty class	very heavy	very heavy	very heavy	very heavy

Ditec Wel

Fully featured, sturdy, versatile and quiet
Packed with features

Ditec Wel is the automation for automatic swing doors. Designed to offer a versatile and fully featured solution, this automation boasts a set of distinctive features, allowing it to be used in a wide range of operating conditions:

- opened and closed by a motor;
- opened by a motor and closed by a spring;
- on emergency exits;
- low energy for disabled access.

Sturdy, hard wearing and quiet, it is ideal for very heavy duty applications. The automation boasts a new and smart design and very clean lines.

Ditec Wel complies with the strictest European standards. This automation is available in different versions: E, M and S.

Ditec Wel M

Sturdy and versatile, ideal for very heavy duty applications

A must in all demanding environmental conditions, such as external doors exposed to the wind and to the elements.

Ditec Wel E and Ditec Wel S

Practical, reliable and quiet. Packed with features

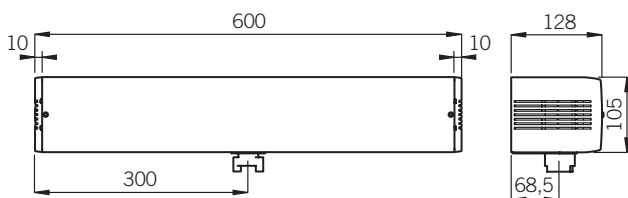
To make sure the door is closed even in the event of power failure, it is advisable to select an automation opened by a motor and closed by a spring, preferably motor-assisted, such as Ditec Wel S. This solution allows the door to be manually opened and closed by a spring.

Sturdy, reliable and quiet, these automations have been designed to offer a versatile and fully featured product, suitable for heavy duty applications, even with very heavy door wings.

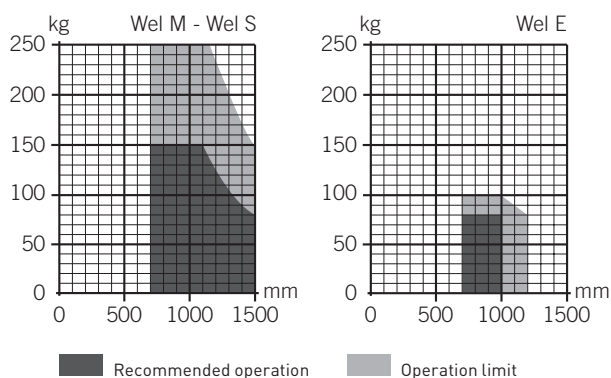
Ditec Wel S uses the Brake system to control the closing and approaching speed even in the event of power failure.

Ditec Wel E is not fitted with a Brake system, but features a simplified version, still able to control the closing operation.

Dimensions



Operation diagram



A rich set of functions

Ditec Wel offers a wide range of electronic, mechanical and special functions to adapt the automation to meet different operational requirements.

Electronic functions

Automatic functions:

- thrust limiter
- obstacle detector with adjustable thrust

Operating modes:

- Push and Go
- electrically operated lock control modes:
 - normal mode (working current or "fail secure" - wing remains shut even in the event of power failure);
 - anti-panic mode (idle current or "fail safe" - wing remains shut only if power is available. In the event of faults or power failures, users can still exit the room)
- electrically operated lock latching control: the operating speed may be increased when approaching the electrically operated lock to ensure correct latching operation
- electrically operated lock release control: an option may be enabled to ensure that the electrically operated lock is correctly released
- wind-proof facility

The automation can therefore be adapted to different types of existing locks, to the features of the door (weight - strength - opening problems) or to environmental conditions (different indoor-outdoor pressures).

As compared with the above, Ditec Wel E is a "simplified" product. It therefore does not include the following features: obstacle detector with adjustable thrust, lock type control (Ditec Wel E only controls the normal lock) and electrically operated lock release control. For light to medium weight doors, the Ditec Wel E is a simpler and more cost effective alternative to version Ditec Wel S.

Ditec Wel automation features a FA limit switch, which allows the following operations to be carried out:

Ditec Wel S, Ditec Wel M: The limit switch is used to control the wing opening angle or, by changing the connection, to bypass safety devices for the last opening section. Using the FA limit switch is optional therefore, if the automation is fitted with a door stop and does not open towards a wall, its use is not required. For applications where the wing opens towards a wall, the limit switch bypasses the operation of the sensors mounted on the wing so that they "do not see" the wall as an obstacle.

Ditec Wel E: This version does not feature an encoder; the FA limit switch is therefore used to slow down the opening action, regardless of whether a door stop is fitted or not.

Mechanical functions

- Three different moving arms may be fitted: articulated, sliding or three-section (see accessories). The type of arm used may be selected from the electronic control panel, to ensure optimal operation in all conditions (with the exception of the Ditec Wel E version)
- the spring can be easily adjusted through the screw located on the front of the automation
- the closing speed can be adjusted even in the event of power failure by means of the Brake system PCB
- symmetrical automation to simplify installation
- guard extension head to fully cover the opening if batteries are used or for double automation control (with the exception of the Ditec Wel E version).

Special functions

- Low energy
- escape routes - it may be fitted to emergency exits.

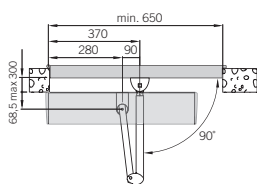
The automation features a reversible reduction unit to allow manual operation in the event of power failure.

Movement arms

WEL BA

Articulated arm for doors which open outwards, actuator side.

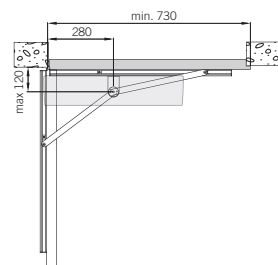
Articulated arm - BA



WEL BS

Sliding arm for doors which open inwards, actuator side.

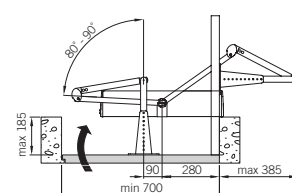
Sliding arm - BS



WEL BRAS

Three-section articulated arm for doors which open inwards, actuator side.

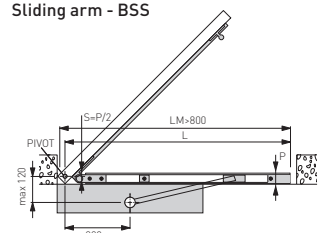
Three-section articulated arm - BRAS



WEL BSS

Break-out sliding arm, to break out the wing from the opposite side to the normal opening side. In emergencies, the arm allows door break-out towards the opposite side to the normal opening side, i.e. towards the outside of the wing.

Sliding arm - BSS



Ditec Sprint

Small in size. Big in performance
Ideal for residential use

Compact and light automation, ideal for residential use. It is supplied with a back-up battery, located inside the automation, and with an ON/OFF switch, located in an easily accessible position.

Ensures an easy and practical access

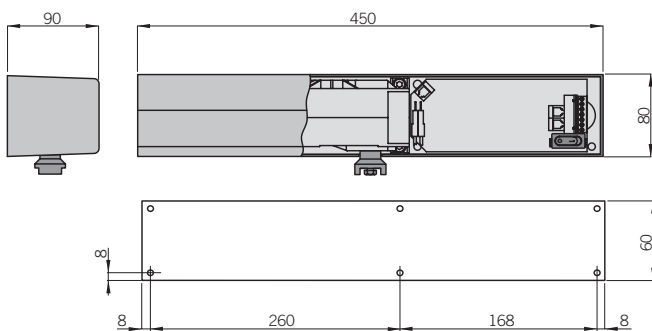
The automation also allows the user to select the Low Energy and Push and Go modes.

The Low Energy facility allows the door to be opened and closed with reduced energy and speed, making the Ditec Sprint automation particularly suitable for less able bodied users. The Push and Go facility, also supplied as standard, is essential when automatic opening enabled by an initial manual push is required.

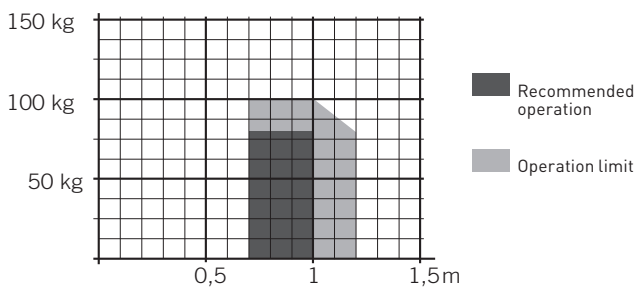
Practical, safe and reliable

Ditec Sprint features a standard anti-crushing device, which makes it safer and more reliable, as it can be manually operated even in the event of power failure. These important and distinctive features place Ditec Sprint at the top of the global swing door segment, the ideal solution for residential use.

Dimensions



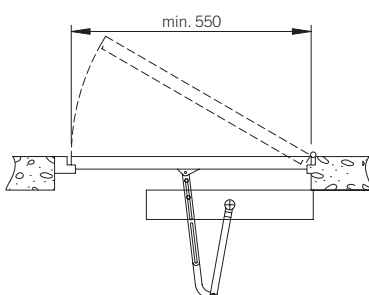
Operation diagram



Movement arms

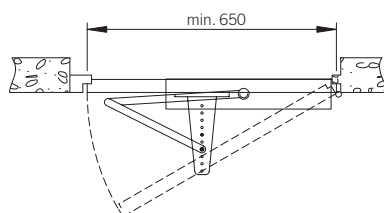
SBA
Articulated arm.

Articulated arm - SBA



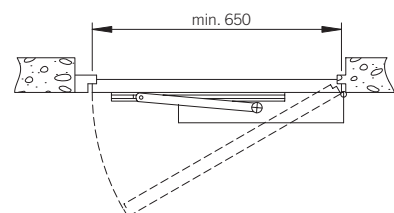
SPRINT BRAS
Three-section articulated arm for doors opening inwards, automation side.

Three-section articulated arm - BRAS



SBS
Sliding arm.


Sliding arm - SBS



Technical specifications

Description	Ditec Wel E	Ditec Wel M	Ditec Wel S	Ditec Sprint
Capacity	100 kg x 1 m 80 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	100 kg x 1 m 80 kg x 1.2 m
Intermittent operation	S2 = 30 min - S3 = 80%	S2 = 30 min - S3 = 80%	S2 = 30 min - S3 = 80%	S2 = 30 min - S3 = 80%
Power supply	230 V AC / 50-60 Hz	230 V AC / 50-60 Hz	230 V AC / 50-60 Hz	230 V AC / 50-60 Hz
Insulation class	class 1	class 1	class 1	class 2
Power input	1 A	1 A	1 A	0.2 A
Opening time	2÷10 s/90°	1,5÷5 s/90°	1,5÷5 s/90°	3 s/90°
Operating temperature	-20°C / +55°C [-10°C / +50°C with batteries]	-20°C / +55°C [-10°C / +50°C with batteries]	-20°C / +55°C [-10°C / +50°C with batteries]	-20°C / +55°C [-10°C / +50°C with batteries]
Protection rating	IP 31	IP 31	IP 31	IP 12D
Product dimensions (mm)	105x128x600 105x128x830 (with batteries)	105x128x600 105x128x830 (with batteries)	105x128x600 105x128x830 (with batteries)	80x90x450
Approvals		TÜV	TÜV	
Control panel	EL12E	99	99 + Brake	165

Main system functions

Description	Ditec Wel E	Ditec Wel M	Ditec Wel S	Ditec Sprint
Control panel	EL12E	99	99 + Brake	165
Mains power supply	230 V AC / 50-60 Hz	230 V AC / 50-60 Hz	230 V AC / 50-60 Hz	230 V AC / 50-60 Hz
Batteries	■ (optional)	■ (optional)	■ (optional)	■ (optional)
Energy saving 	energy saving when in use	energy saving when in use	energy saving when in use	energy saving when in use
Motor power supply	24 V= / 8 A	24 V= / 10 A	24 V= / 10 A	12 V= / 5 A
Accessories power supply	24 V= / 0.3 A	24 V= / 0.5 A	24 V= / 0.5 A	24 V= / 0.15 A
Electrically operated lock	24 V= / 1.2 A	24 V= / 1.2 A	24 V= / 1.2 A	12 V= / 1.2 A
Limit switch provision	■	■	■	
Encoder		■	■	■
Force setting		electronic	electronic	
ODS - Obstruction Detection System		■	■	■
Speed setting	■	■	■	■
Braking / Slowing down	■	■	■	■
Open control	■	■	■	■
PUSH & GO	■	■	■	■
Close control		■	■	
Temporised automatic closing	■	■	■	■
Emergency stop	■	■	■	■
Emergency reverse	■	■	■	■
Safety Test		■	■	

Approvals and characteristics



PUSH AND GO
A SLIGHT PUSH IS ALL YOU NEED FOR AUTOMATIC OPENING

LOW ENERGY
REDUCED SPEED AND POWER OPENING AND CLOSING

When building the system, only use Ditec accessories and safety devices.
Every Ditec automation features CE marking and is designed and built in compliance with the safety requirements of the Machinery Directive (2006/42/EC), of the Electromagnetic Compatibility Directive (2004/108/EC) and of the Low Voltage Directive (2006/95/EC) and of other Directives, laws, specific standards for special products and situations.
The Company reserves the right to make changes which may improve the products.
For this reason, the technical details featured in this catalogue are not binding.
The pictures shown in this leaflet were taken with the consent of those concerned or in public locations.
Further information can be found in the Technical Manuals available at the website: www.ditecentrematic.com

Ditec
ENTRE//MATIC



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Cod. P200B - 03/2013
Automatic pedestrian doors
gdp milano 140265

Ditec is present in: Belgium, France, Germany, Portugal, Spain, Sweden, Switzerland, Turkey, Latin America, USA, Canada and China.
For addresses and contacts visit our website www.ditecentrematic.com

