

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 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
- **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

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

- **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
- **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** profile series, but can also be used with commercially available profiles.

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

Emergency-Exit Systems: when every second counts

Ditec Valor provides reliable opening and closing also along escape routes: two types of solution are available: **anti-panic breakout systems** and **redundant systems**.

The anti-panic breakout door has all the same features as a standard automatic door. However, in case of an emergency, the users can manually open the wings of the door and, where applicable, also the semi-fixed side wings in the same direction as flight: with this system the wings open like a swing door guaranteeing generous passing space, almost equal to the width of the entire door.

The second type of system uses the principle of redundancy of the electrical and electromechanical components performing periodic checks of the operation of the complete system.

The operating unit and all accessories have been designed to guarantee that the door opens in the event of:

- emergency
- loss of power
- partial or complete system breakdown or malfunction.




TÜV Certified Anti-Panic Features for Escape Routes

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 - heavy duty	6 - continuous	6 - continuous	6 - continuous	4 - intensive 5 - heavy duty 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 2 wings: 1.6 m/s (1.2 m/s with weight > 180 kg)	1 wing: 0.8 m/s 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	■	■



Relevant Directives and Standards

MD
Machine Directive

EMCD
Compatibility Directive
Electromagnetic

LVD
Low Voltage Directive

EN 16005
User Safety Standard

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 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 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) or by key (COM K), these are both provided with a double interchangeable frontal keypad, for sliding or swing doors.



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.



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.



Safety area sensors

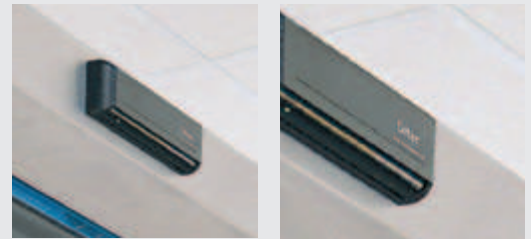
Active infrared sensor able to monitor a person approaching or standing by the door, with the option to control the width and depth of the detection area, as well as how much and frequently it is being used. Available in the recessed version, built in the automation, or wall mounted.



Infrared active sensors

Wide range of functions:

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



Passive, infrared sensors

These have the following features:

- sensitivity adjustment and opening selection
- opening field zoom adjustment



Microwave sensors

This is a volumetric, 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

Plastic or SS elbow-operated rectangular push-buttons.

Push-buttons for door opening for disabled use.

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



Control buttons

The door can be opened with the proximity of your hand.



Digital or key selectors

These selectors allow access to authorised people only.

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



Opening contact sensors or transponder technology control sensors

These sensors enable door opening through buttons or codified cards.

They are the ideal solution to automate entrances in companies or private buildings wherever access should be allowed to authorised people only.

