STRAIGHT SLIDING DOORS
Ditec Valor – Ditec Valor HS – Ditec Valor T

Automations for sliding doors

Main features

- Wing weight loading on the roller centreline which, specially in the telescopic version, increases the sturdiness of the wing/roller combination and reduces oscillations
- Safety devices monitoring: ensures correct operation of safety devices by continuously monitoring them by means of the "safety test" control.
- Wide range of versions for different applications:

VALOR L: up to 180 kg capacity, with light casing
VALOR P: up to 220 kg capacity, with light casing
VALOR N: up to 300 kg capacity, with heavy casing (3 million cycles)
VALOR HS: up to 500 kg capacity
VALOR T: up to 260 kg capacity, telescopic (3 million cycles).

Technical specifications of available models

	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	IP20	IP20	IP20	IP20	IP20
Product dimensions	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 functions of the system

Control panel	Valor L - Valor P - Valor N - Valor T EL20	Valor HS EL32
Description	for 1 24 V DC motor	for 1 24 V DC motor
Mains power supply	230 V AC / 50-60 Hz	230 V AC / 50-60 Hz
Batteries (ensure operation in the event of power cuts)	■ (optional)	■ (optional)
Energy saving	energy saving when in use	energy saving when in use
Number of motors	1	1
Motor power supply	24 V DC / 8 A	24 V DC / 15 A
Accessories power supply	24 V DC / 0.5 A	24 V DC / 0.5 A
Electro-mechanical lock	24 V DC / 1 A	24 V DC / 1 A
Courtesy light		■ (with MP1)
Encoder (controls speed and deceleration)	■	■
Force setting	electronic	electronic
ODS - Obstruction detection system (causes the wing to stop or reverses operation when an obstruction is detected)	■	■
Speed setting	■	■
Braking/Slowing down (ensures best approach)	■	■
Open control	■	■
Partial opening control	■	■
Close control	■ (optional with MP1)	■ (optional with MP1)
Temporised automatic closing	■	■
Emergency stop	■	■
Emergency reverse	■	■
Safety test and safety monitoring	■	■
Built-in photocell amplifier	■	■

Ditec Valor distinguishing features are listed below:
- **advanced electronics:** new electronic panel with all basic controls on board and built-in photocell amplifier
- additional available functions with optional **display** to be integrated on the head or wall mounted:
  - to increase the settings available on the control panel,
  - to supply information on full/partial door operations,
  - to set up a maintenance alarm,
  - to display operation diagnostics,
  - to set up a password,
  - to display the electronic panel firmware version,
  - to check the door status at any time and in any position,
  - **to set up automatic closing time:** with heavy pedestrian traffic, automation automatically increases automation closing time,
  - **to set up automatic access opening:** with heavy pedestrian traffic, automation automatically switches from partial to total opening.

MD1 DISPLAY MODULE
Controls management on board of electronic panel
Password management
Electronic panel firmware version display
MP1, MD1 firmware version display
Total/partial operations display
Maintenance alarm set up
Safety, alarms and faults display
Automation status display
Partial to total opening automatic switching

PLUS MP1 MODULE
Dedicated electrical connections for accessories
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 lights/air blade power supply
Battery charge monitoring facility with advanced test, to allow emergency opening

Anti-panic redundant systems for straight linear doors

Main features

Wherever emergency exits are needed, instead of an anti-panic breakout system, a redundant system can be installed. This system employs the redundant electrical/mechanical principle with periodical redundancy controls and can be fitted to a sliding door profile
Ditec Valor - 1 wing
Ditec Valor - 2 wings
Ditec Ten - 1 wing
Ditec Ten - 2 wings
Ditec Valor T telescopic 1+1 wing
Ditec Valor T telescopic 1+1 wings.

General features

Automation with redundant opening system with power storage by means of batteries. No elastics, springs nor other mechanical emergency opening systems. System applicable on VALOR and TEN doors.
The system is equipped with a special gear motor managed by an electronic micro processor card. Complete integration with COMER or COMKR switch (one of these two models must be used if a switch is required). Personalised inputs and multiple connectors to facilitate the connection of accessories, alarm and indicator outputs. Regulation management by the display supplied with the automation. Update the control panel programme by the DMCS software.
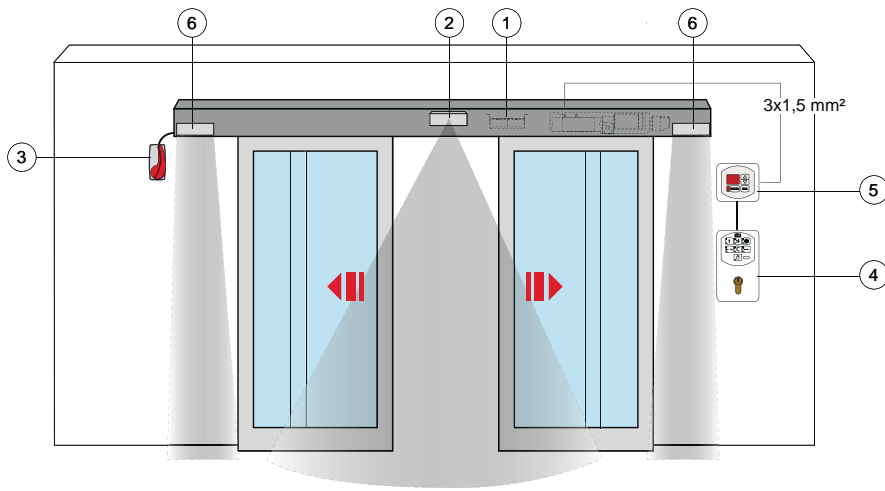
This innovative version of redundant automation features simpler connections and a smaller number of internal components than the previous version.
The specific emergency exit requirements are made possible thanks to a special gear motor that acts, to all intents and purposes, as though there were two separate motors, duly guided by the control panel as needed. To ensure intrinsically safe operation, the electrical panel constantly or regularly controls all functions and accessories required for the emergency opening.
The operator in itself and all peripheral accessories have therefore been designed to guarwingse that the door opens in the event of:

- loss of power;
- fault or breakdown of any part separate from the system;
- partial or complete system malfunction.

INSTALLATION TYPE

3x1,5 mm²

Rif.	Code	Description
1	VALABE	Emergency batteries (included)
2	PAS024AMT**	Internal sensor, certified for emergency exits
	PAS024AMW or PASAA2	Opening + security external sensor, certified
	PASAT3 - PASAT3I or PASAT4	External security sensor, certified
3	VALSB* or LOKSBM*	Release handle
	VALLOKB*	Two position block system
4	COMER** or COMKR**	Function selector
5	MD1	Display module (included)
6	PASAT3I**	Security sensor at opening, certified
* Optional code **** Code indispensable for operation as emergency exits**		