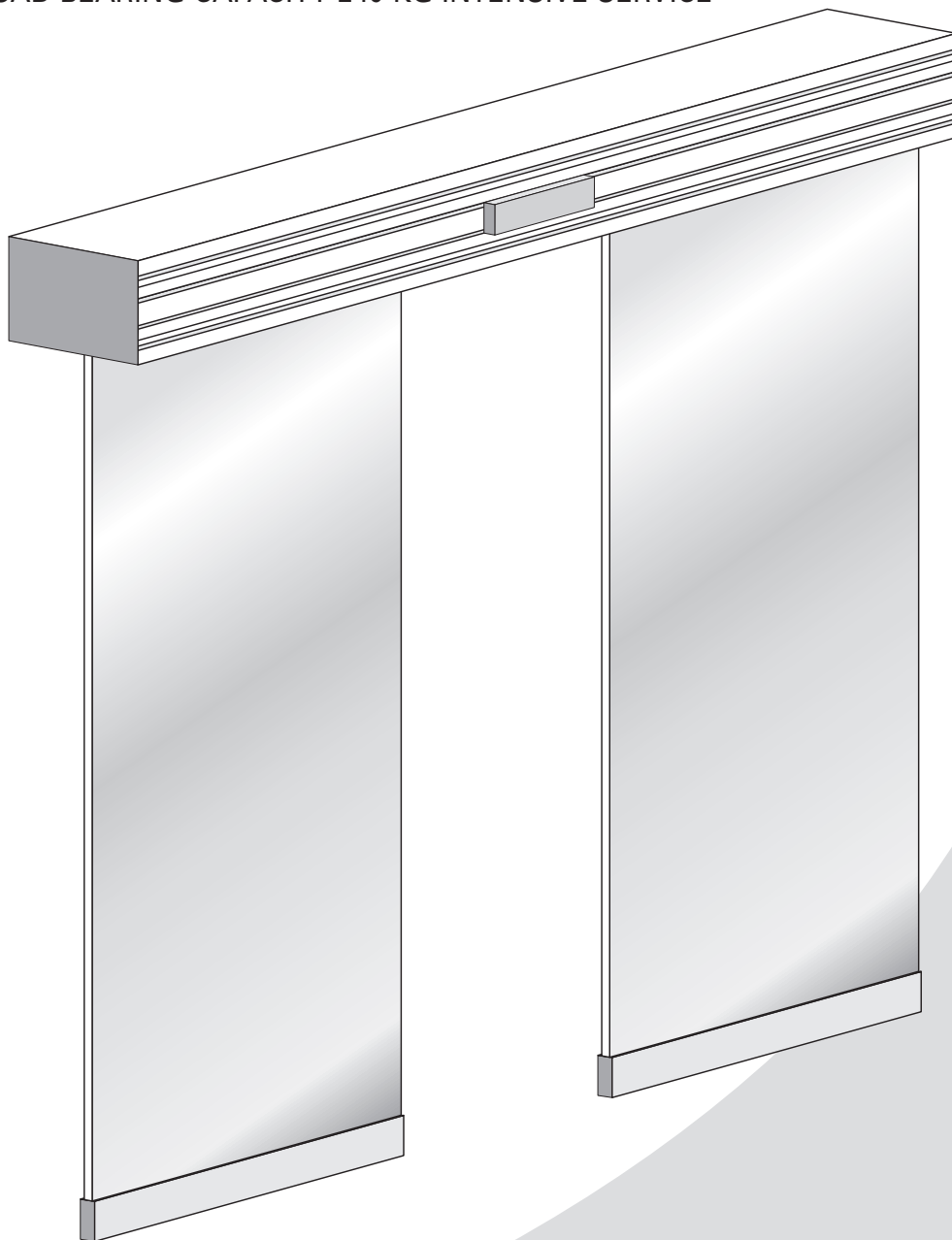


PRESTO

AUTOMATION FOR SLIDING DOORS

LOAD BEARING CAPACITY 240 KG INTENSIVE SERVICE

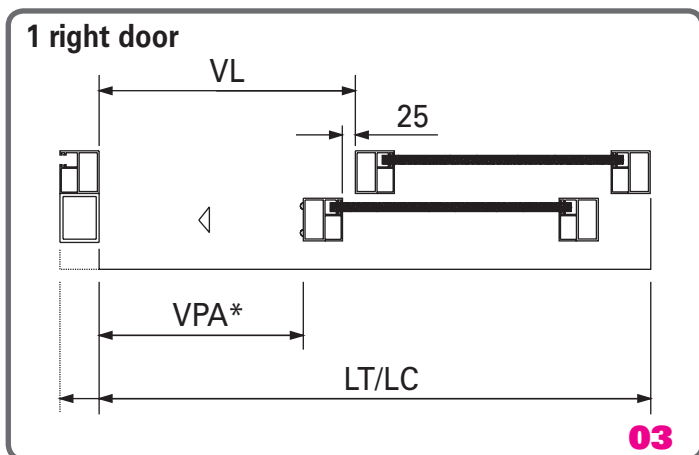
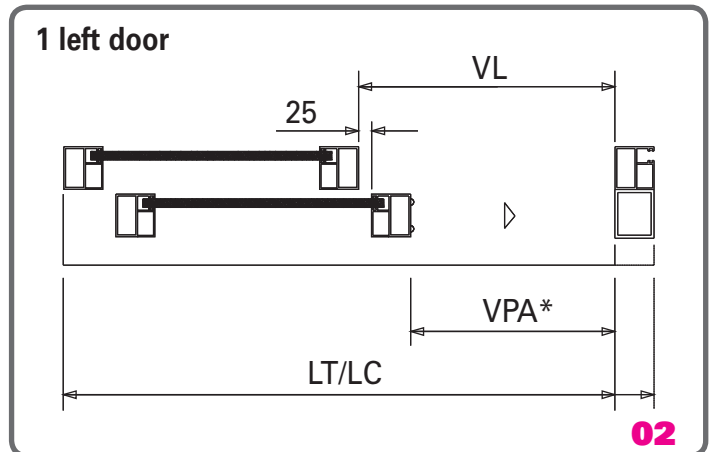
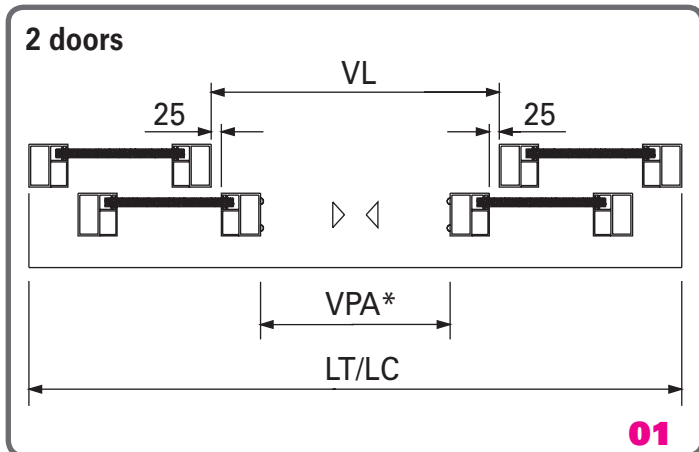


USER'S AND INSTALLATION HANDBOOK

CE

 **DASPI**[®]

Models and technical information



Two models are available. Automations marked 2 are for double doors, and are designed so that the door pair slides simultaneously in opposite directions.

Automations marked 1 are for single doors, and are designed so that the door slides in one direction.

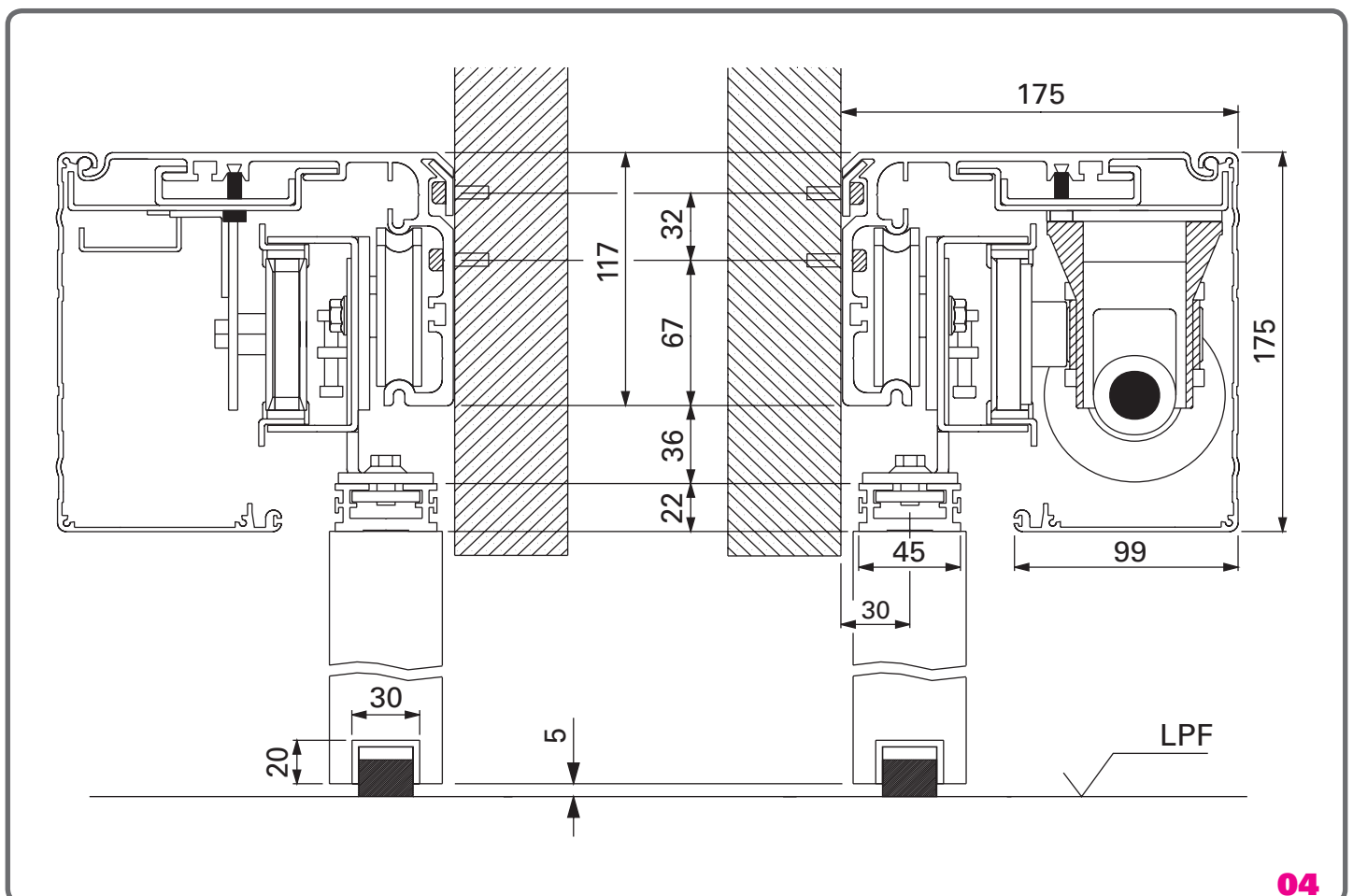
Note! For automations for single doors the opening direction, left or right, should be specified when ordering.

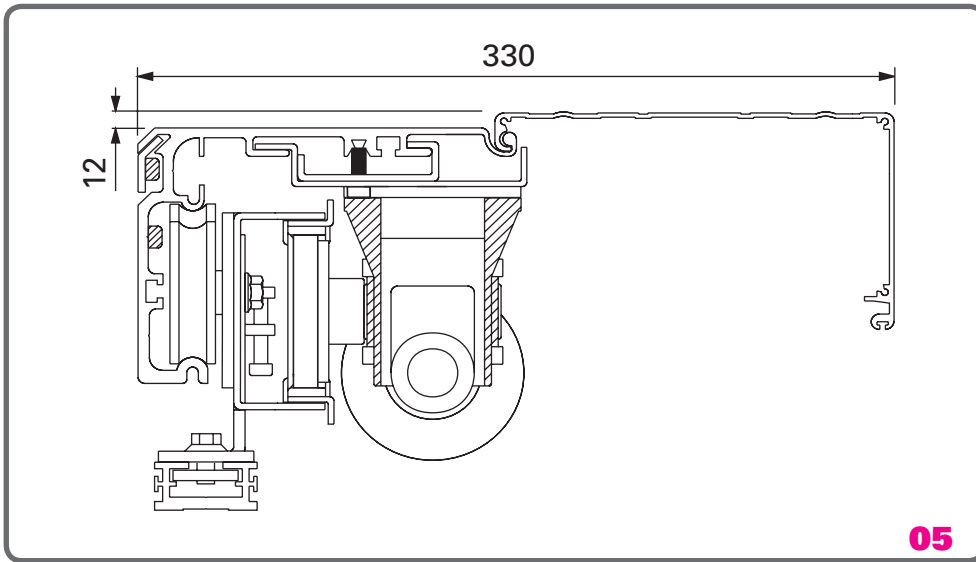
VPA = net aperture

VL = gross aperture

LT/LC = length of automation/case

Note! VPA* In order to comply with safety standards, the traverse of the door, VPA, must be less than the gross aperture, VL. The traverse of the door, VPA, is equal to VL when the frame upright has no projection and/or protuberance that may cause shearing.

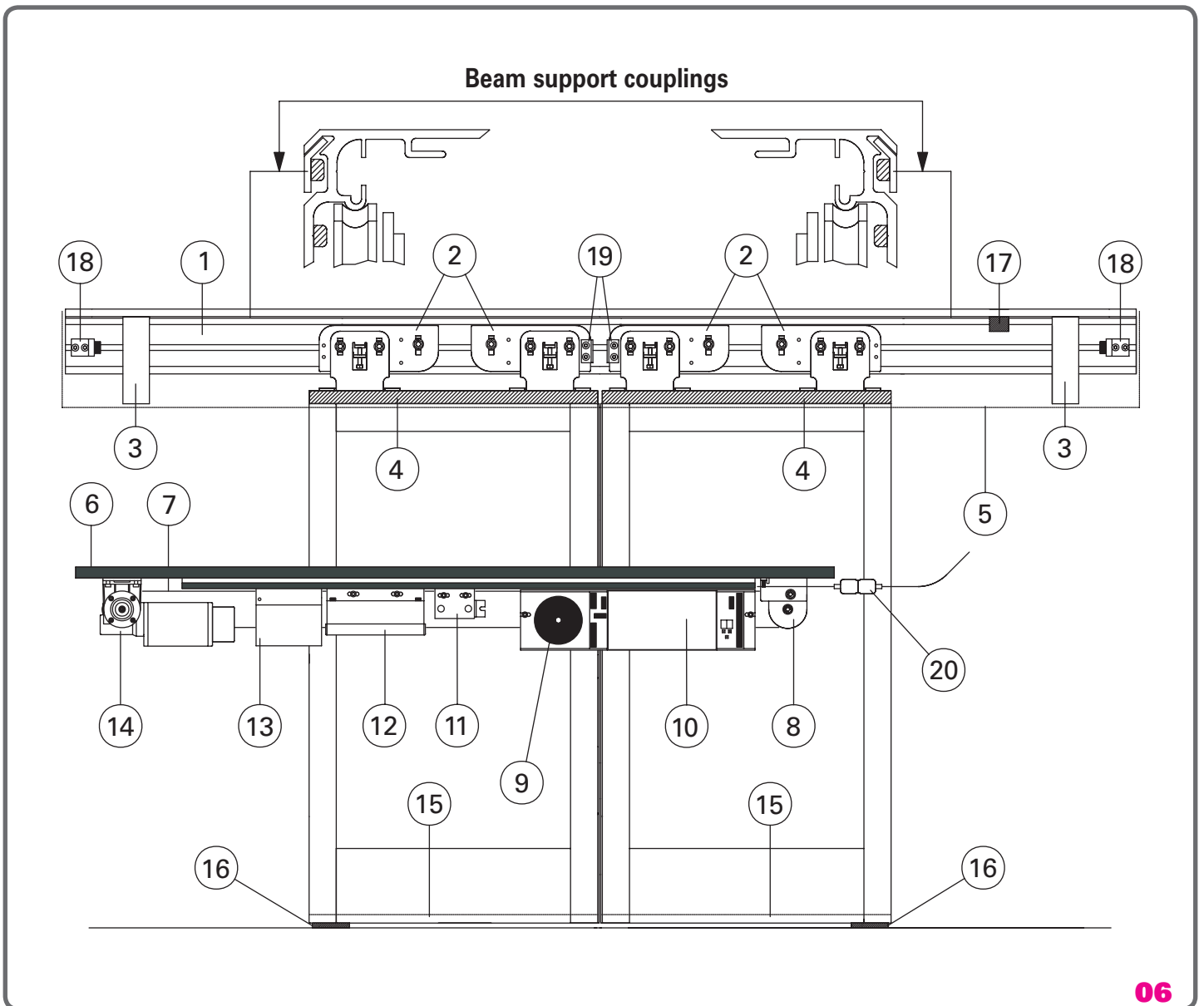




The Presto automation has been designed for surface mounting on:

- Brickwork walls
- Metal structures
- Wood panels

05



06

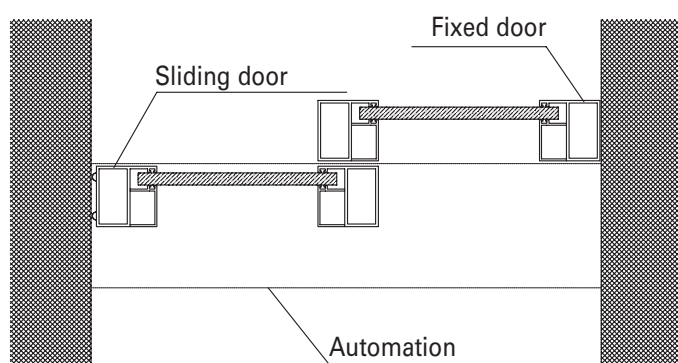
- 1 – Main beam
- 2 – Double wheel carriage
- 3 – Case coupling bracket
- 4 – Adapter for hanging the door
- 5 – Covering case
- 6 – Motor module in metal
- 7 – Transmission V-belt

- 8 – Bracket with drive pulley
- 9 – Toroidal transformer
- 10 – Electrical control board
- 11 – Electromechanical lock
- 12 – Emergency battery
- 13 – Photocell control unit
- 14 – Gear motor

- 15 – Track for sliding door
- 16 – Floor runner
- 17 – Cable guide
- 18 – Door stop
- 19 – Door lock couplings
- 20 – Mains connector 230 Vac

Examples of types of single sliding doors

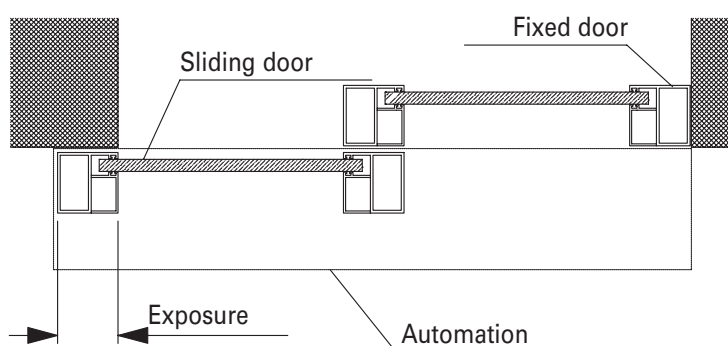
Recommended installation



07

To reduce the risk of trapped fingers, we recommend mounting the automation as shown in fig. 7. The wall and/or upright act as the end of traverse and limit stop for the door. The automation is inserted into the gross aperture.

Alternative installation



08

If it is impossible to make the installation as in fig. 7, proceed as in fig. 8 by exposing the shoulder and/or upright on the closed side. Closing speed and approach speed must be moderate. Note! In some countries the legislation forbids this type of mounting as there is a risk of trapped fingers.

Technical information

Power supply	230 Vac +/- 10% - 50/60 Hz
Absorbed power	150 W max
Peripherals power supply	24 Vdc - 650 mAh max
Main fuse 230 VAC	T4 A - 5x20
Fuse 24Vac	T10 A - 5x20
Peripherals fuse	650 mAh - 5x20
Battery fuse	10 A - Lama
Service contact	relay max. 6 A
Maximum load capacity for 1 door	1 door = 240 Kg
Maximum load capacity for 2 doors	2 doors = 120 + 120 Kg
Standard size of aperture	1 door size 800 / 3200 mm
Standard size of aperture	2 doors size 1000 / 3200 mm
Opening speed	adjustable up to 75 cm/sec
Closing speed	adjustable up to 60 cm/sec
Opening approach speed	adjustable up to 15 cm/sec
Closing approach speed	adjustable up to 15 cm/sec
Opening approach space	adjustable up to 45 cm
Closing approach space	adjustable up to 30 cm
Automatic re-closing time	From 0 to 30 seconds
Ambient working temperature range	From - 20°C to +50°C
Acceleration	electronic adjustment
Thrust	electronic adjustment
Obstacle detection	electronic adjustment

INSTALLATION

CHECKING – MARKING - FIXING

In order to fit the beam it is first necessary to remove the case and make sure that the surface where it will be attached is level and in line, that the top of the door is in reinforced material and that the floor is perfectly finished and absolutely level.

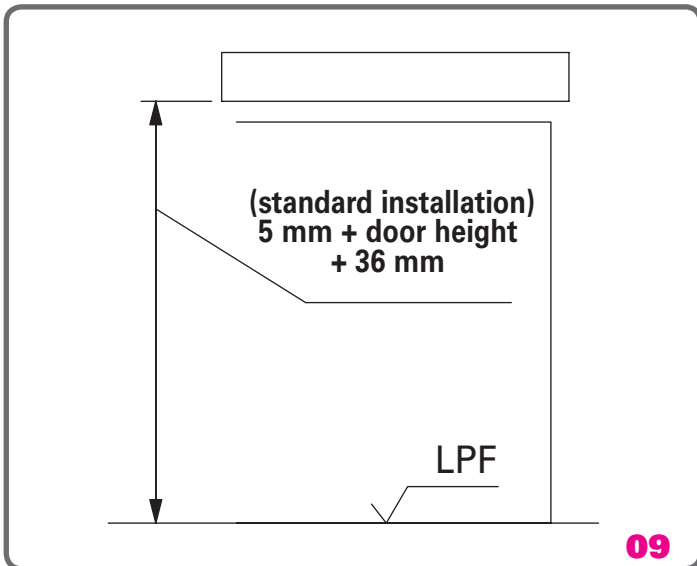
MATERIAL WHERE THE BEAM IS ATTACHED	MINIMUM DEPTH
Iron	2 mm (if thinner use threaded rivets)
Aluminium	3 mm (if thinner use threaded rivets)
Reinforced concrete	100 mm
Solid wood	50 mm
Cement with hollow bricks	40 mm (if thinner use chemical dowels)

PRESTO DOUBLE DOOR AUTOMATION - 2

Mark the centre of the gross aperture that corresponds with the centre of the beam. Attach the special beam support brackets to the wall at about 500 mm from the two ends, towards the centre. When installing the beam make sure the two centres are aligned. This will ensure that the beam is installed symmetrically with respect to the aperture.

PRESTO SINGLE DOOR AUTOMATION - 1

Mark the edge of the shoulder or upright in the gross aperture corresponding to the centre of the beam +/- 20 mm. Attach the special beam support brackets to the wall at about 500 mm from the two ends, towards the centre. Left shoulder or upright for automation with opening towards the left. Right shoulder or upright for automation with opening towards the right.



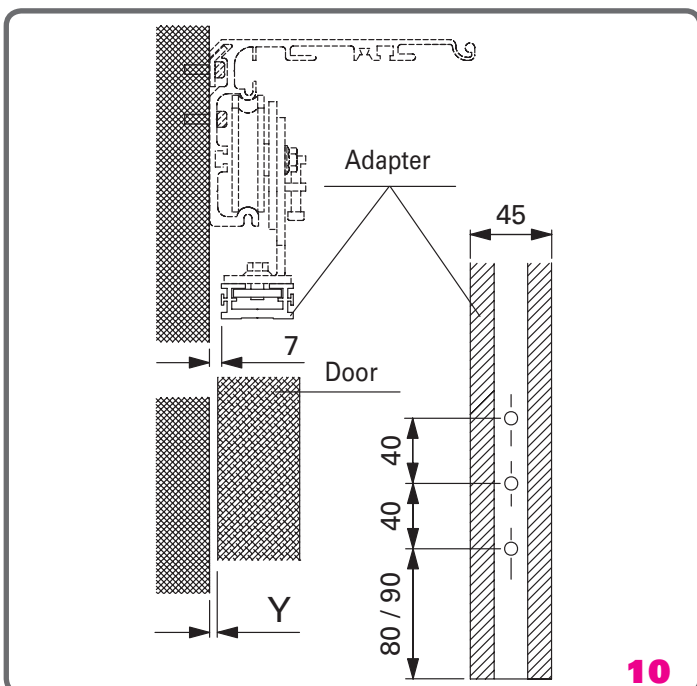
FITTING THE BEAM

The height from finished floor level to the bottom edge of the beam should be as follows:

Standard installation: 5mm (distance between floor and bottom edge of door) + door height (including the adapter and the bottom track) + 36 mm (distance between top edge of adapter and bottom edge of beam).

Installation with panic system 12 mm (distance between floor and bottom edge of door) + door height (including the panic adapter) + 36 mm (distance between top edge of adapter and bottom edge of beam). See the instructions in the panic system handbook.

Note: Before installing the beam it is very important to determine the height, taking the highest point of the floor for reference in order to prevent the floor from being scored as the door slides.



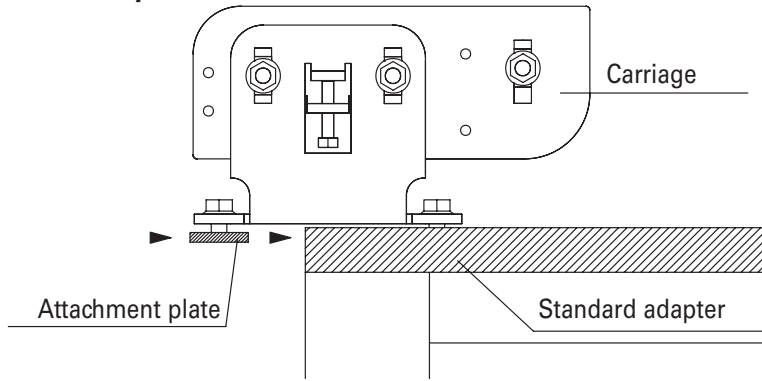
FITTING THE STANDARD ADAPTER ON THE DOOR

1. Cut the adapter to correspond with the size of the finished door, less 2 / 3 mm on the closing limit stop side.
2. Make sure that the top of the door traverse is reinforced at the base (minimum depth 3 mm)
3. Determine "Y"; the perpendicular distance between the door and the wall and/or vertical upright, also considering sealing brushes if present.
4. Drill the adapter, starting at about 80 / 90 mm from the two ends

Note: The number of holes to be drilled depends on the size and weight of the door.

5. Mark the attachment point using the adapter as a template
6. Drill the adapter and attach it to the door with M6 screws or with self-tapping 5.5 screws depending on the type of material (cylindrical head screws if possible) If there is a panic system special adapters should be used, and these should be ordered. (See the instructions in the panic system handbook)

Slide-in assembly



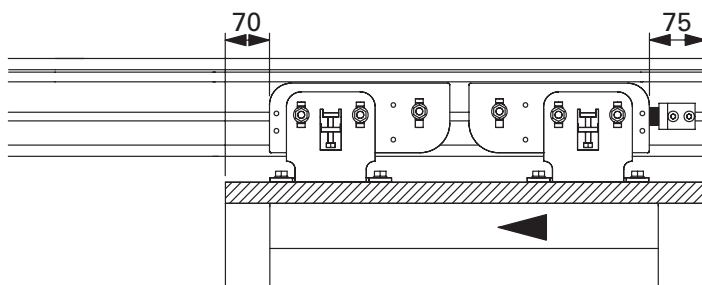
11

ASSEMBLING THE CARRIAGES ON THE DOOR

Fit the carriages on the adapter as in the illustrations.

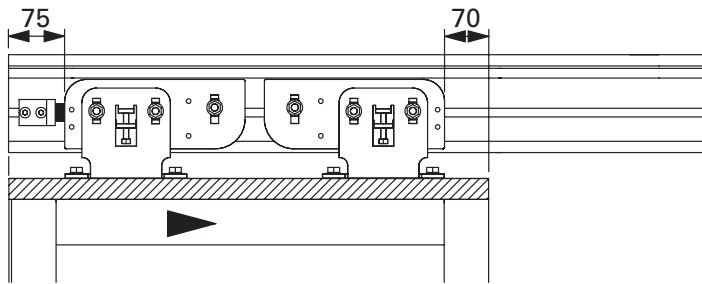
Note: Make sure that the carriages have been fitted correctly and are in line with each other and with the adapter.

1 left door



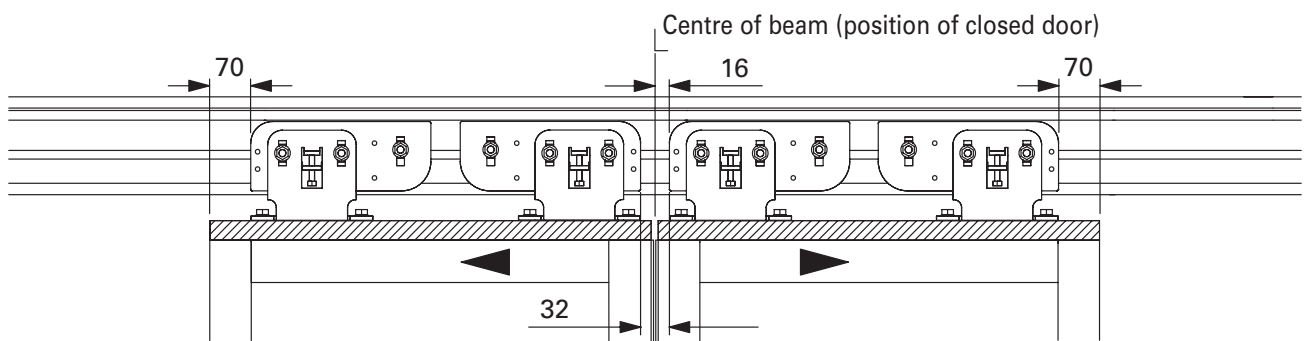
12

1 right door

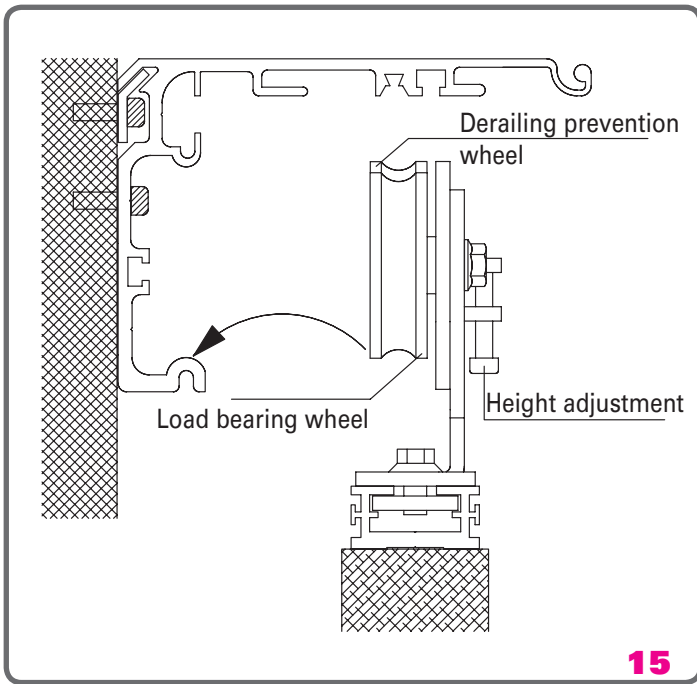


13

2 doors, simultaneous opening to the left and to the right



14



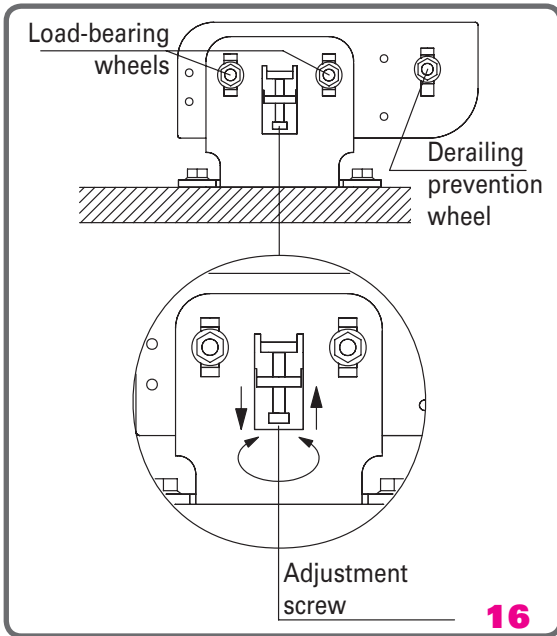
15

COUPLING THE SLIDING DOORS

To fit the floor runner it is first necessary to make a rough adjustment to the carriages and doors:

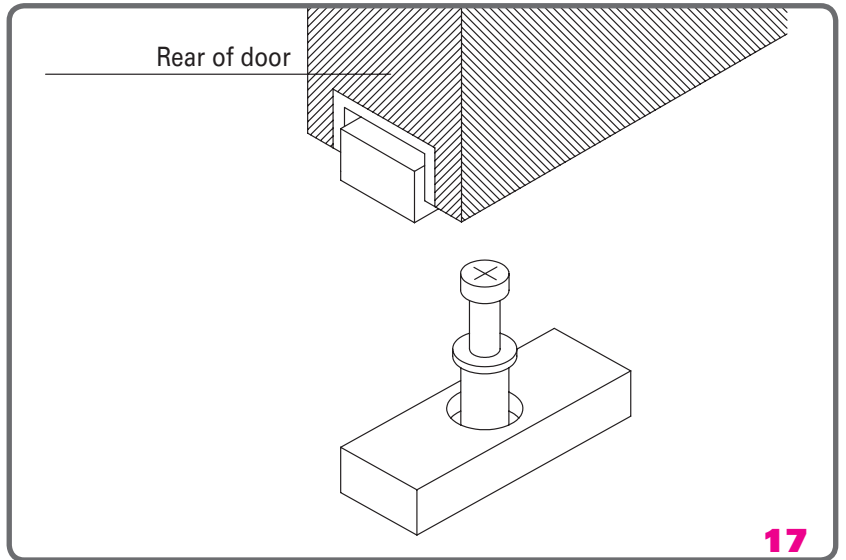
- 1 – Loosen the screws on the load-bearing wheels and make sure the derailing prevention wheels have been lowered
- 2 – Bring the doors close to the beam and make sure the sliding base is clean and free of any waste matter
- 3 – Hang the door on the beam, lifting it upwards slightly and assembling it first on one side and then on the other
- 4 – Insert a 5 mm Allen wrench in the corresponding height adjustment screw on the carriage and turn it to the left or the right so that the door is lifted about 5 mm above the floor (measurement for the standard runner)

Note: The carriage height adjustment screws are able to lift or lower the door by 10 mm (with the beam fitted at the correct height)

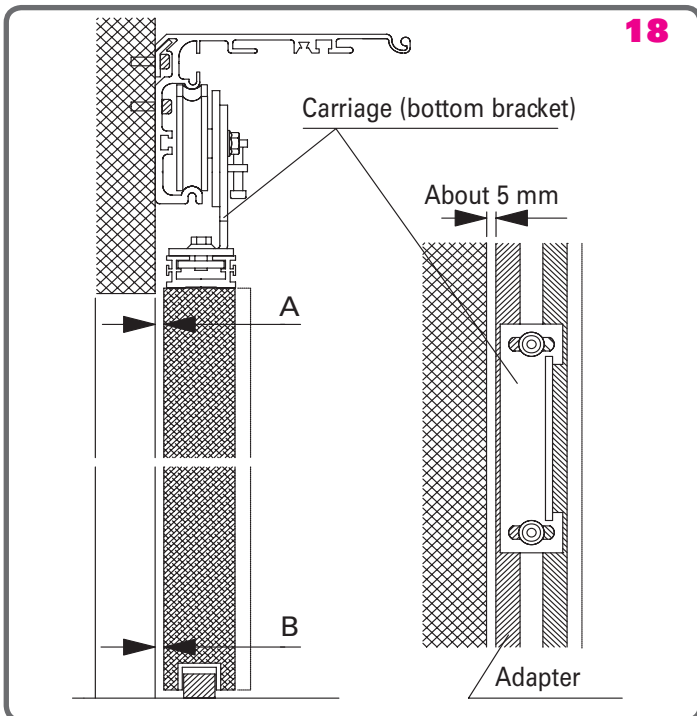


16

FITTING THE FLOOR RUNNER



17



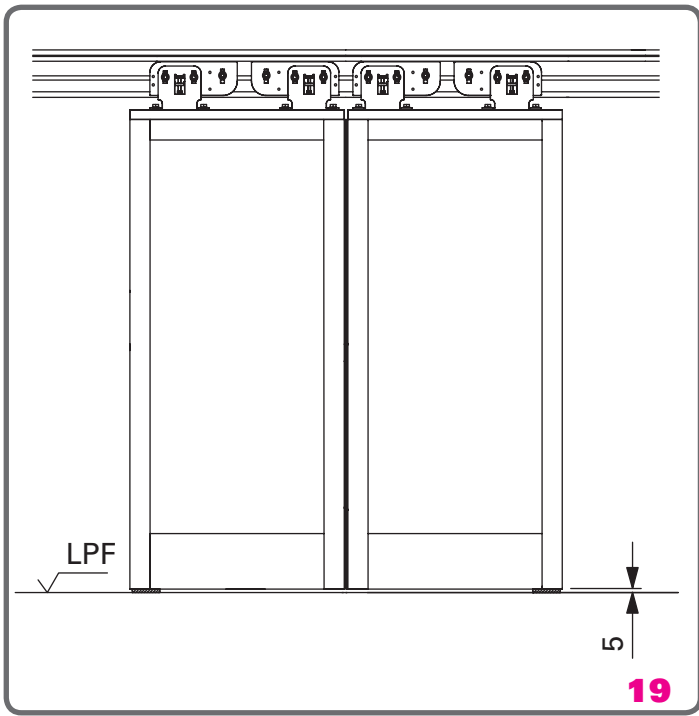
18

FINAL ADJUSTMENTS TO THE SLIDING DOORS

After attaching the guides to the floor it is necessary to make the final adjustments to the sliding doors

VERTICAL ADJUSTMENT

- Distance B should be determined before attaching the runner to the floor, allowing for any sealing brush present
- Distance A can be adjusted by loosening the two screws that fasten the bottom bracket of the carriage to the adapter. The holes on the brackets are slot-shaped so that the door can be shifted by +/- 10 mm Before tightening the screws check the carriages to make sure they are aligned with the beam.
- If there is to be a sealing brush between the sliding door and the wall or fixed upright, the door should be adjusted so that there is a constant distance of about 1 mm between it and the brush along the whole upright.



19

HEIGHT ADJUSTMENT

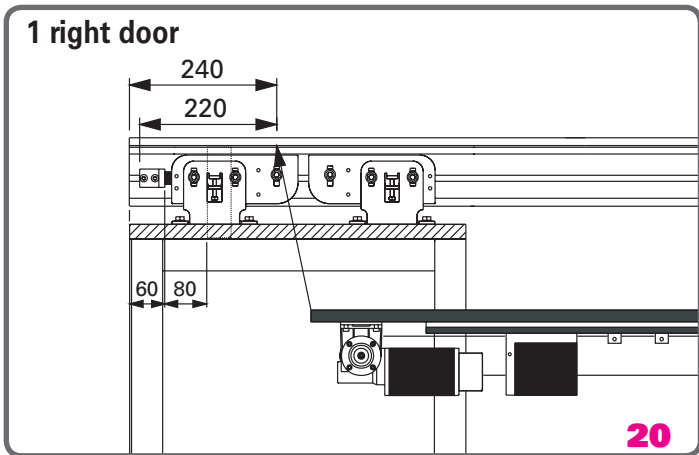
The height of the sliding doors can be adjusted using the adjustment screw on the carriage as described above. After completing the final adjustments, tighten the screws on the load-bearing wheels and lift the derailing prevention wheel.

The door must be hung absolutely vertical and double doors must be parallel to one another. The floor runner should not touch the top of the sliding rail. If there is a sealing brush at ground level this should not present a resistance to sliding.

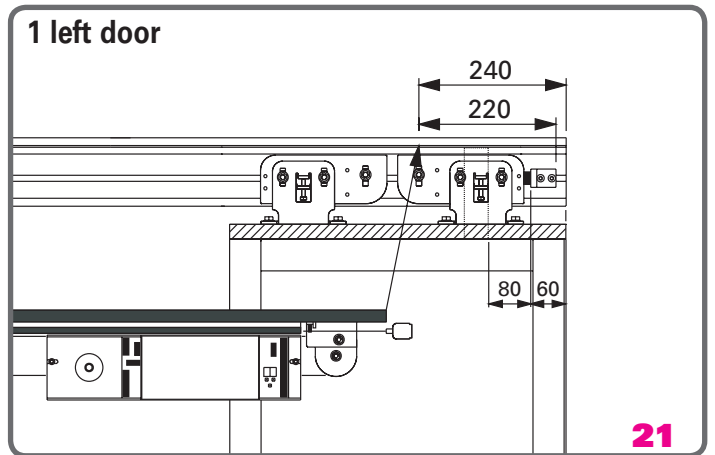
MOTOR MODULE

There is a MMGL type motor module and an SPR extension device for automations with a wider "VPA" door traverse than standard versions.

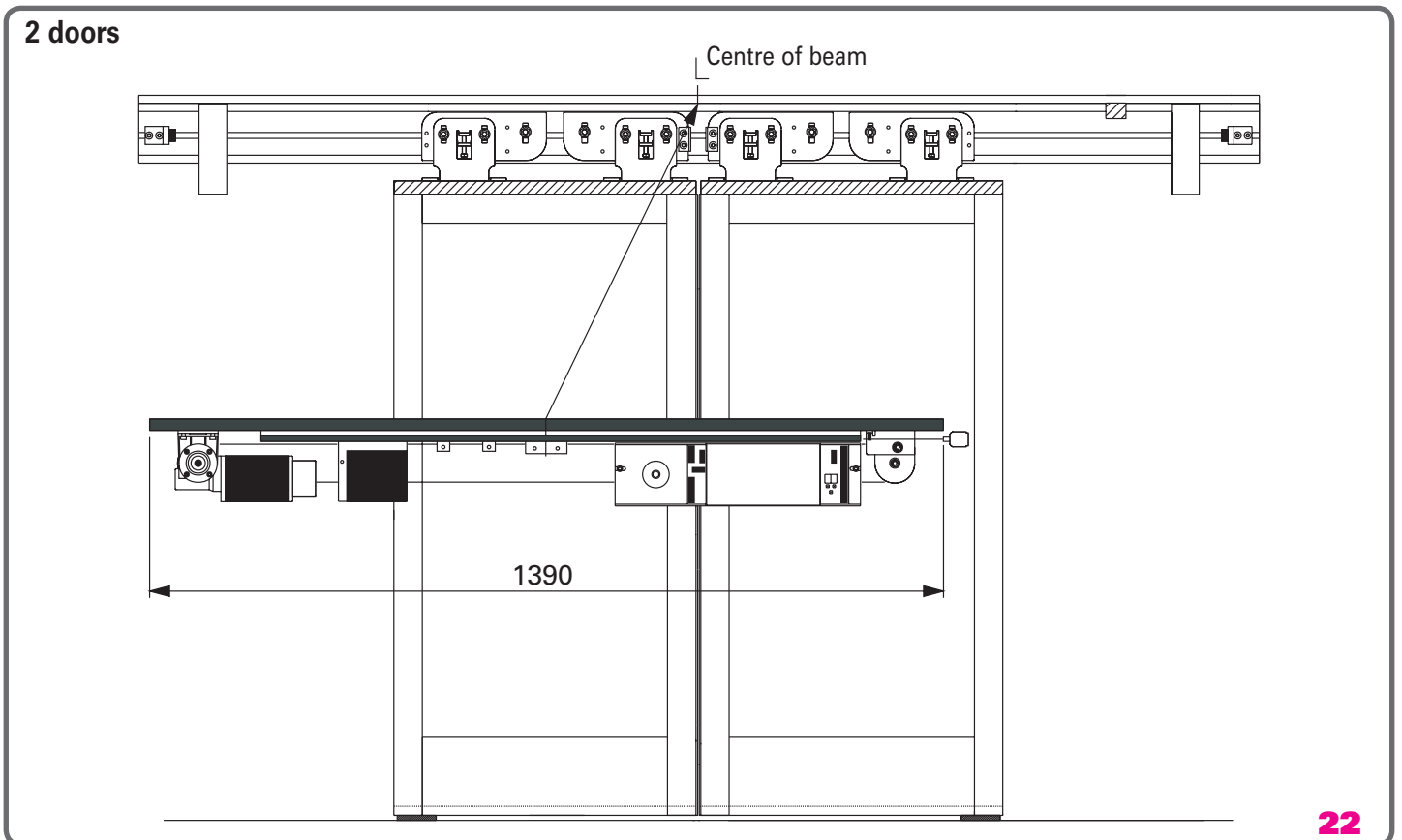
PRESTO	Traverse of door VPA	Motor module
2	1000 - 2200	MMGL
2	2300 - 3200	MMGL + SPR
1	800 - 1100	MMGL
1	1200 - 3200	MMGL + SPR



20

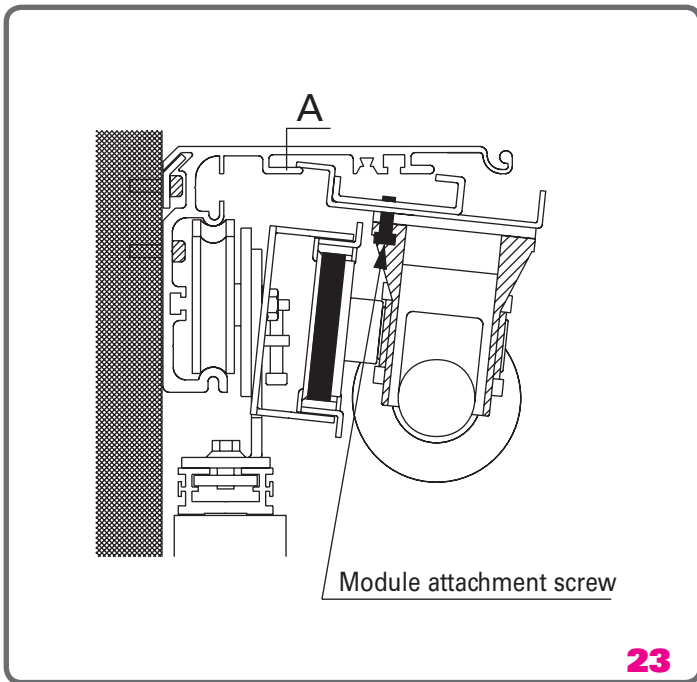


21

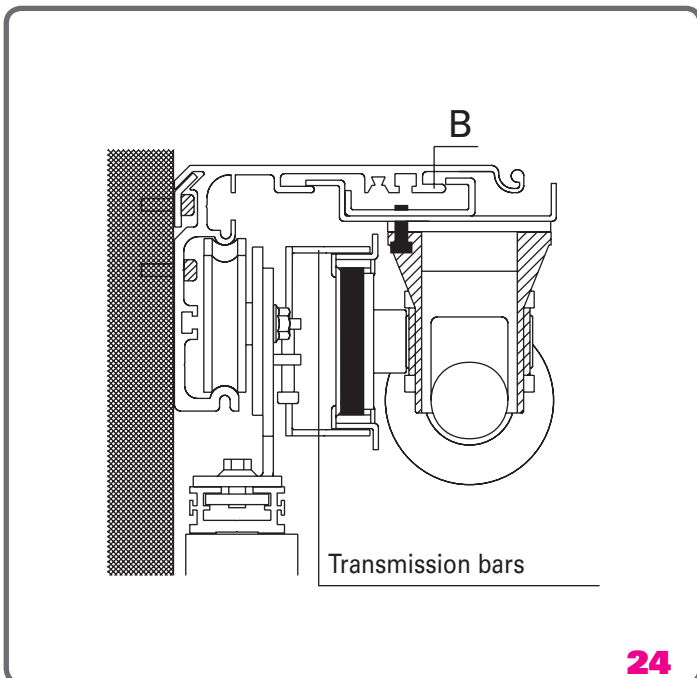


22

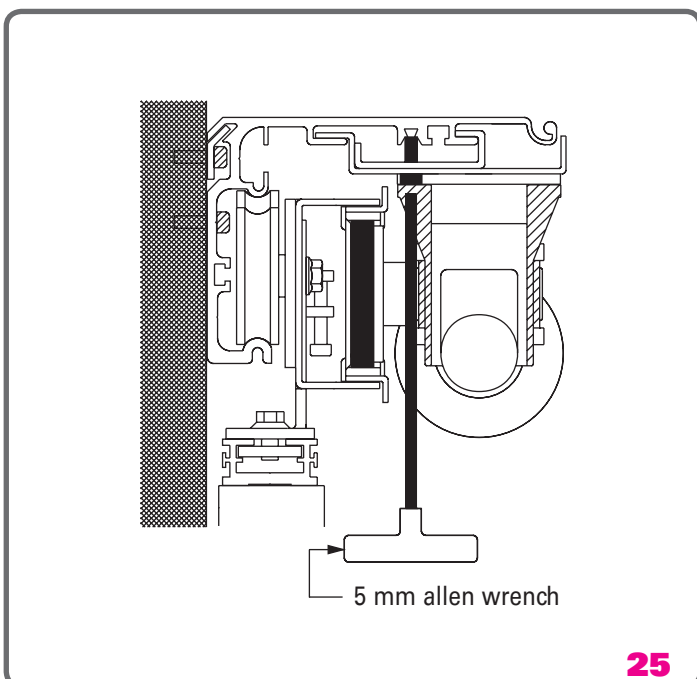
FITTING THE MOTOR MODULE



- Make sure that the transmission bar/s are fitted to the belt.
- Mark the reference measurement on the beam
- Loosen the 4 screws fastening the motor module until the top edge of the bracket is reached.
- Insert the front of the motor module in support A on the beam.



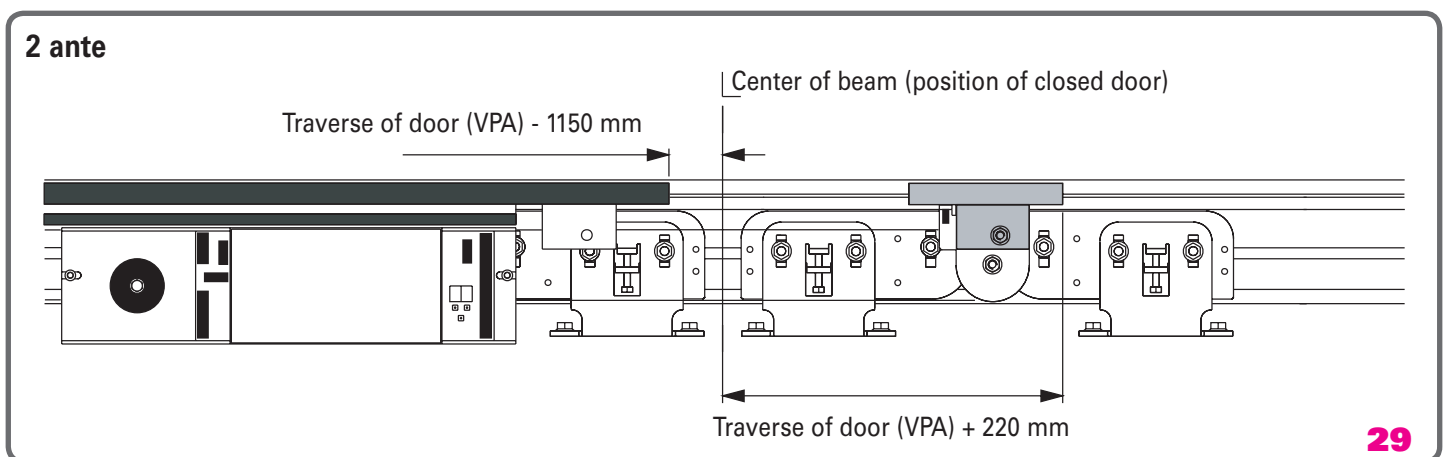
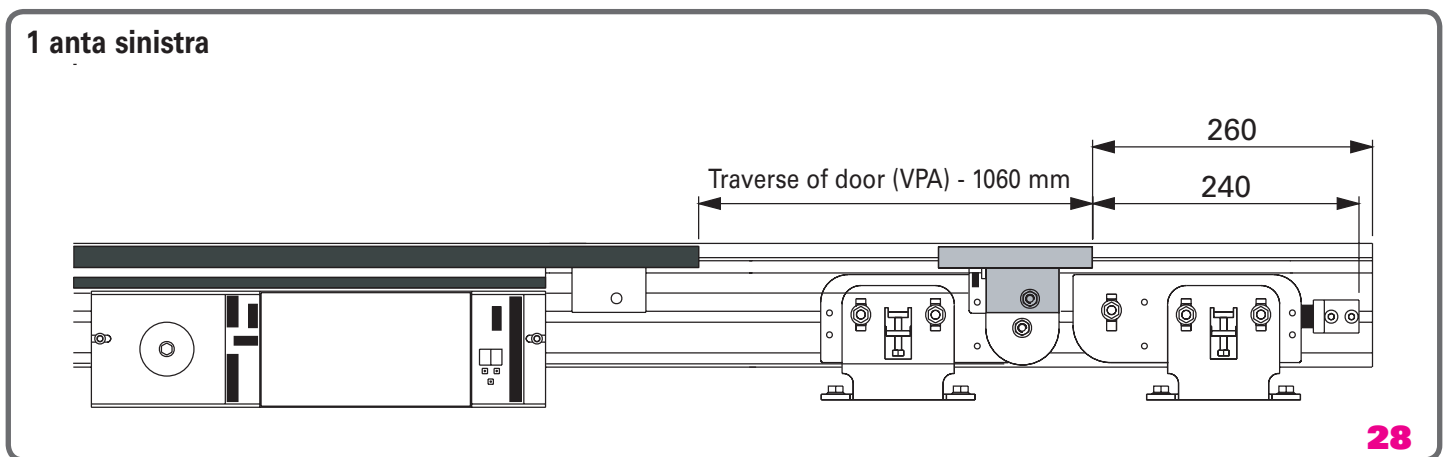
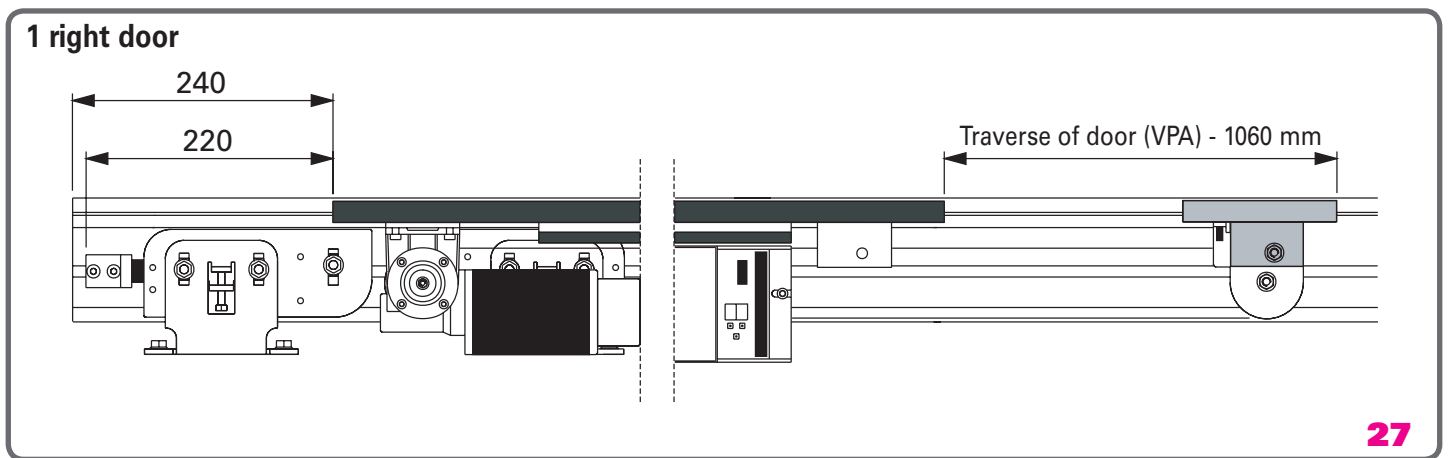
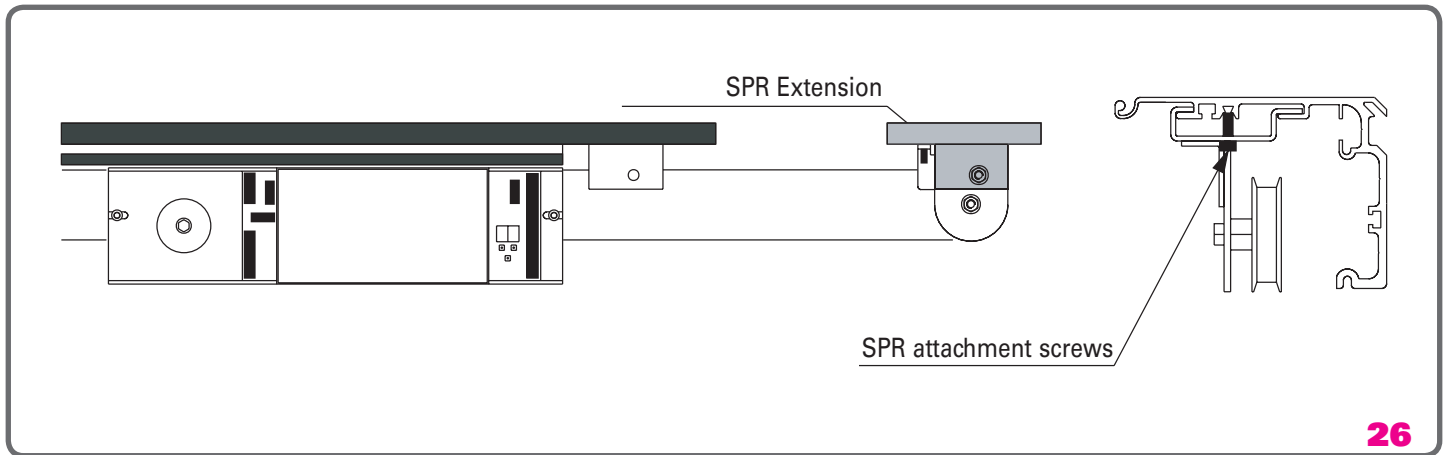
- Insert the coupling brackets of the motor module in the corresponding seating on the beam, pushing upwards.
- Make sure that the motor module has been inserted and aligned horizontally along the whole length of support B on the beam.

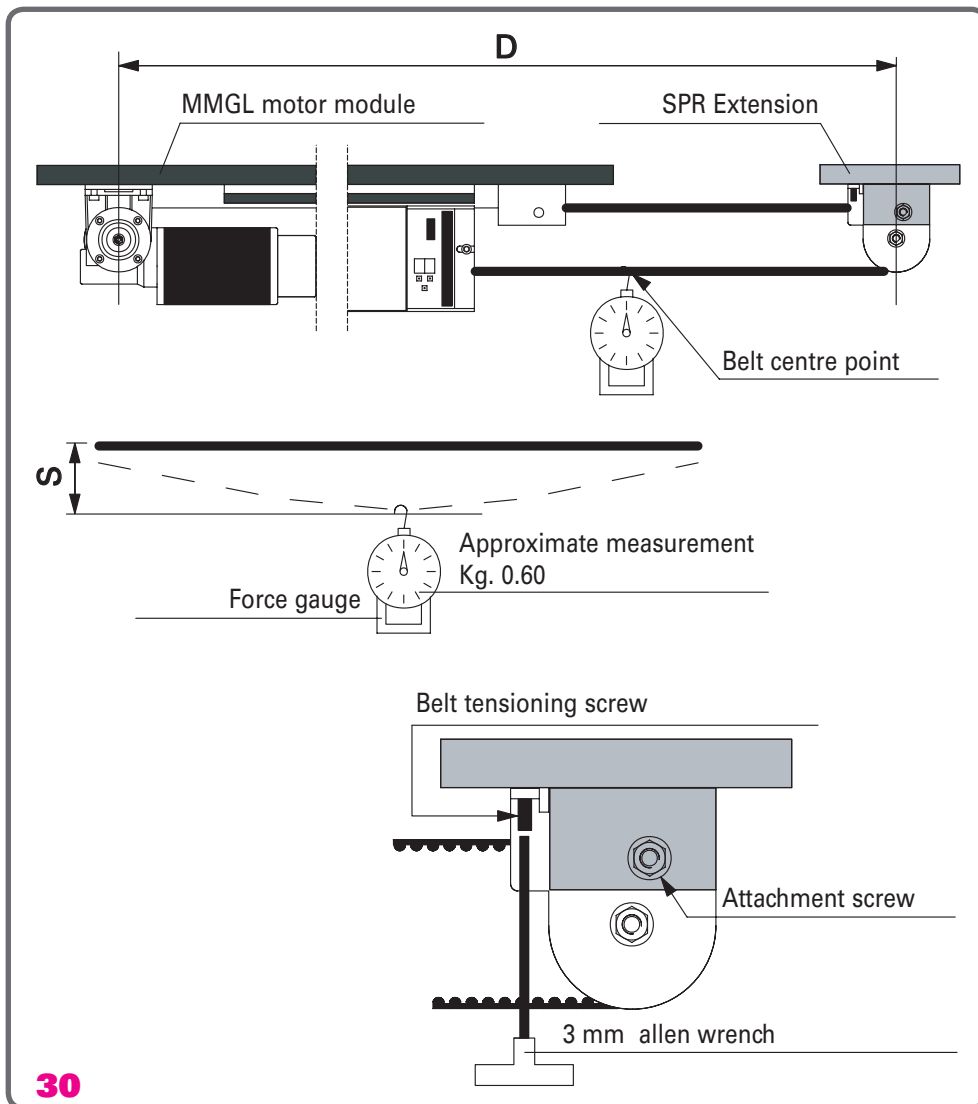


- Push the motor module from the front up to the limit stop.
- Make sure you are aligned with the reference mark on the beam.
- Tighten the motor module attachment screws.

SPR BELT EXTENSION DEVICE • POSITIONING

For the SPR device it is necessary to dismantle the belt drive pulley bracket from the MMGL motor module and reassemble it on the SPR support. Then fit the complete unit with the supplied transmission belt.





TENSIONING THE BELT

1—Disconnect the power supply to the automation and position the doors open.

2—Loosen the fastening screw on the drive bracket and undo the belt tensioning screw to take it to zero.

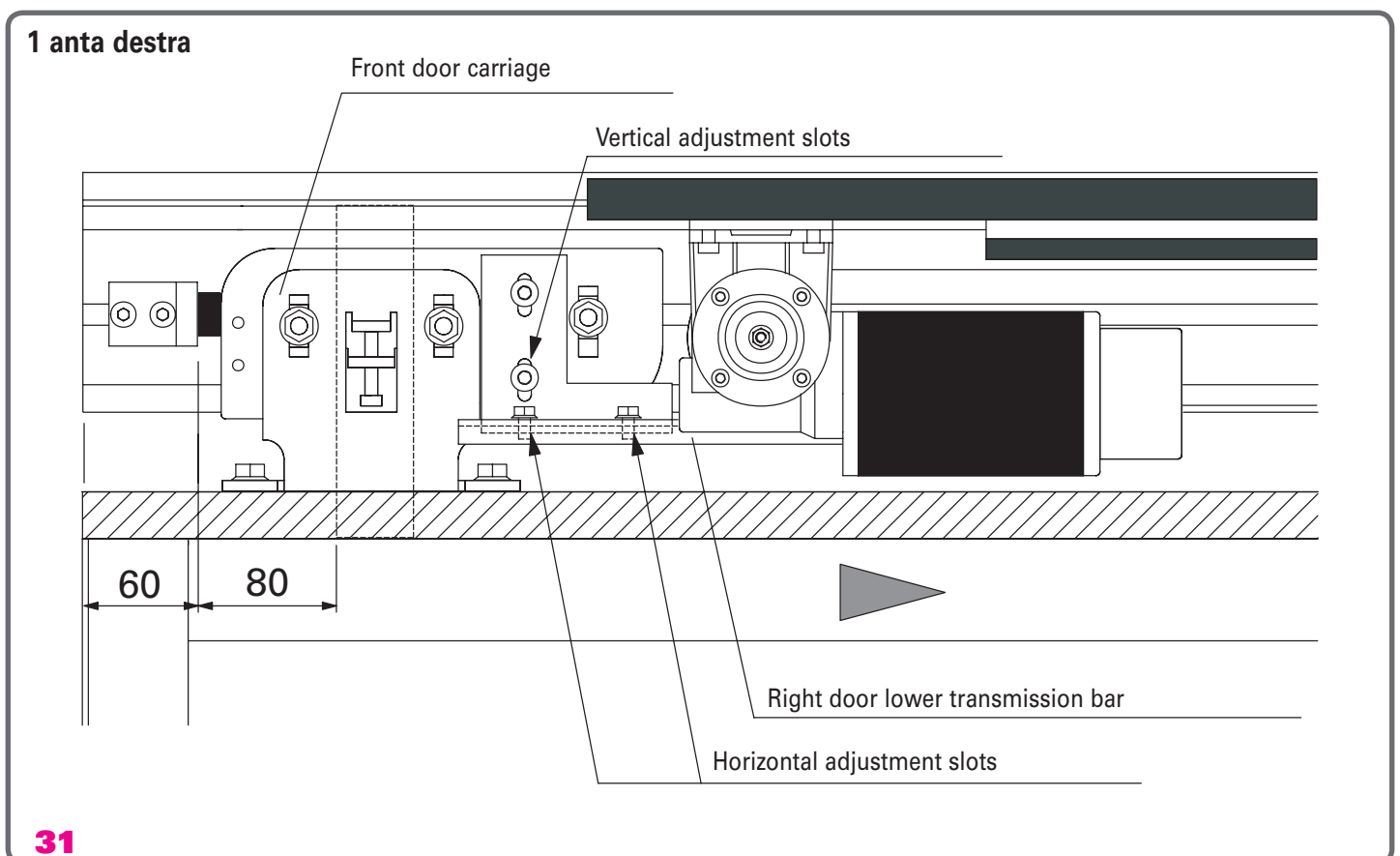
3—Loosen the SPR attachment screws and in shift it a straight line until the belt is pre-tensioned. Tighten the SPR attachment screws.

4 – Measure the distance (S) and if necessary adjust the belt tensioning according to the table. Tighten the drive bracket fastening screw.

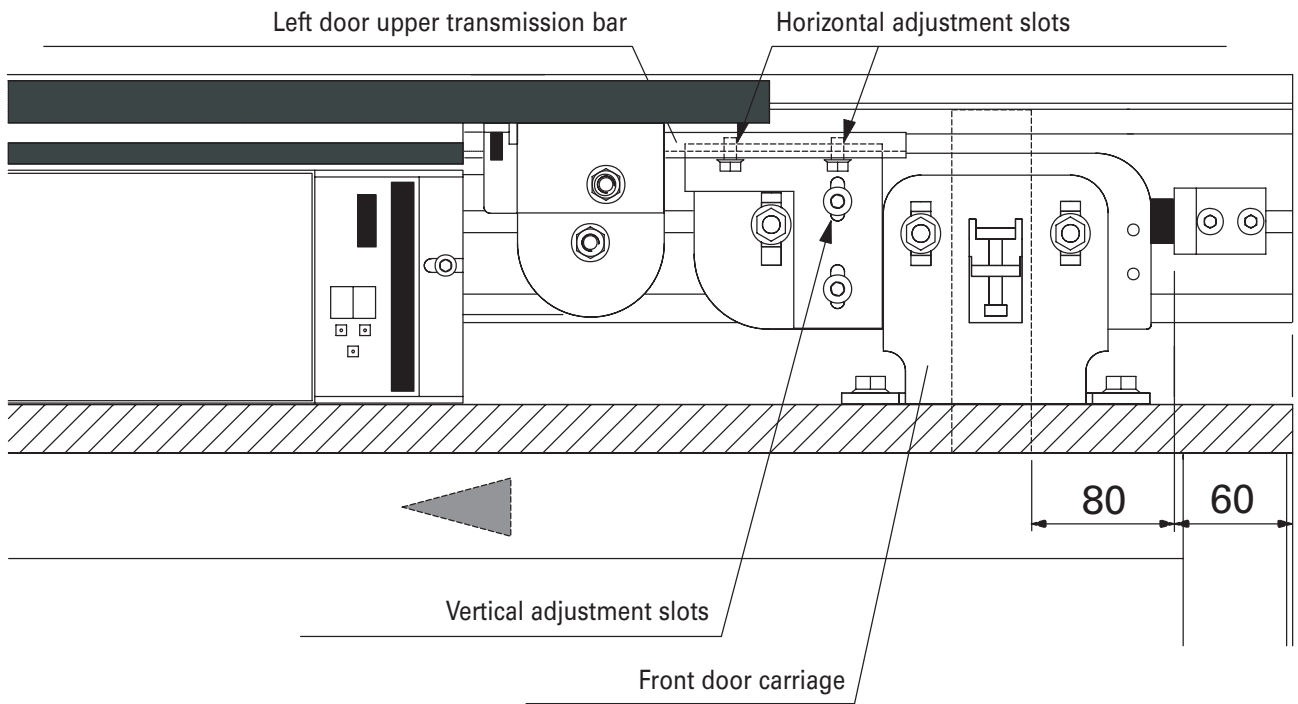
$$S = 10 \text{ mm (MMGL)}$$

$$S = D/100 \text{ mm (MMGL + SPR)}$$

FITTING THE TRANSMISSION BARS

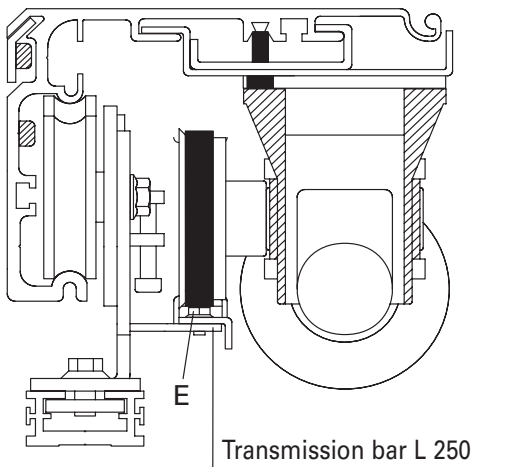


1 left door



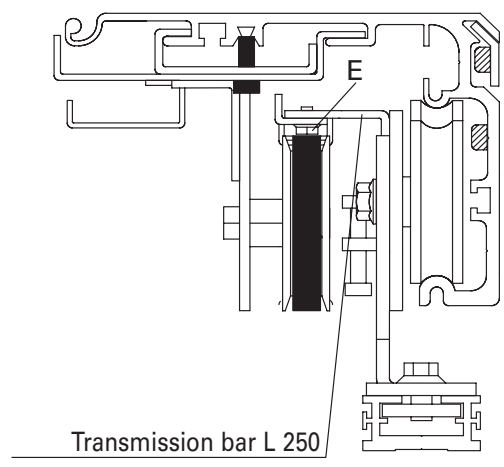
32

1 right door



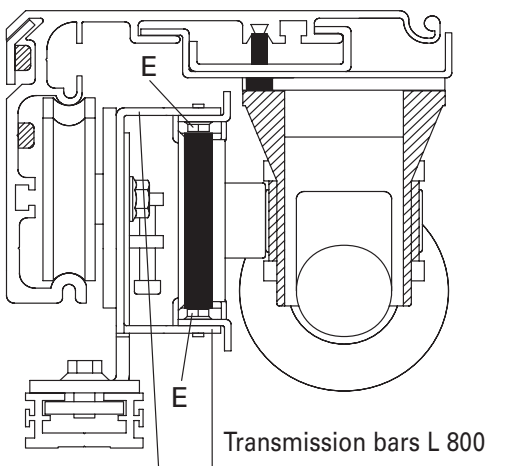
33

1 Left - opening to the left



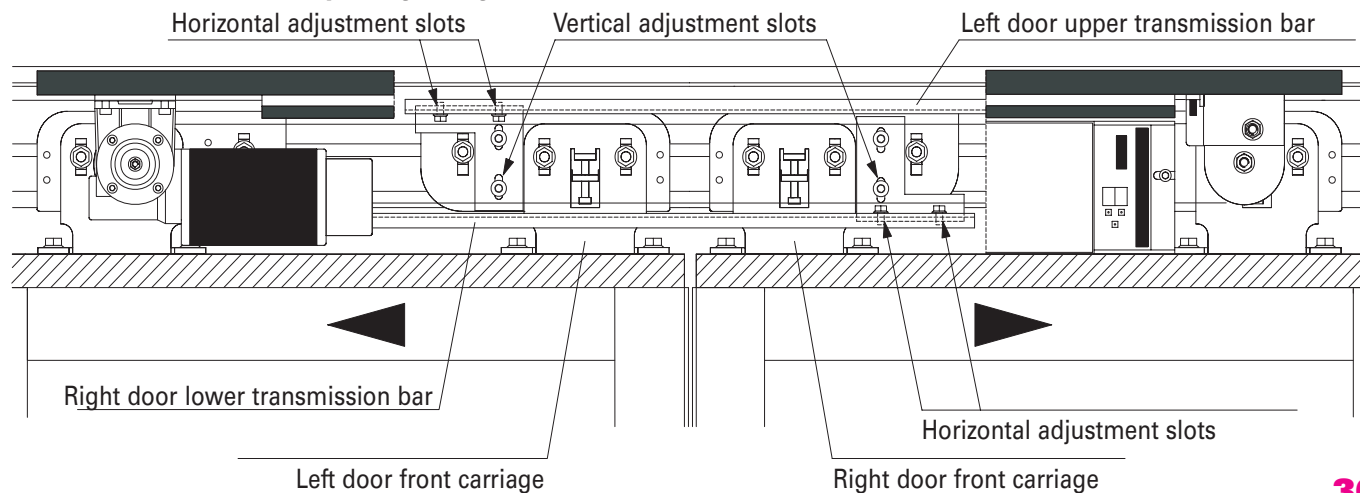
34

2 doors - simultaneous left/right opening



35

2 doors - simultaneous opening to right and left



36

TRANSMISSION BARS

On motor modules for standard size automations the transmission bars are fitted to the belt and blocked by bands.

1 – Cut the bands and slide the transmission bar until the pulling bracket is accessible for attachment (when possible)

2 – Attach the pulling bracket to correspond with the two holes on the front of the carriage, as shown, using the M6x10 screws supplied with washers. Note! Do not use longer screws because they could obstruct the sliding wheels.

3 – Before tightening the screws make sure that the transmission bar is horizontally aligned with the belt, taking care to ensure that the attachment screws (E) do not touch the belt around the pulleys. The recommended distance between belt and screw (E) is approx. 1-2 mm.

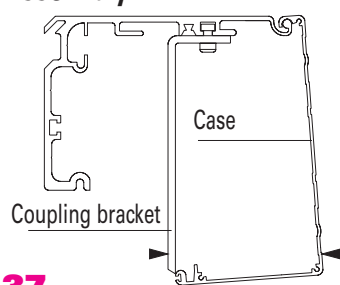
4 – Final adjustment for double door automations: slide the doors open up to the limit stops (which were adjusted previously when the doors were fitted) and make sure that the rear carriages are also on the limit stops at the same time. If necessary, adjust the traverse of one of the two doors by adjusting the transmission bar compensation slots (slot-type holes for attaching the pulling bracket) Make sure the bars are vertically aligned with the belt and screw tightening.

4 – Final adjustment for single door automations: Check the vertical alignment of the bar with the belt and screw tightening.

Note: Using the transmission bar slot it is possible to shift the door by +/- 12 mm.

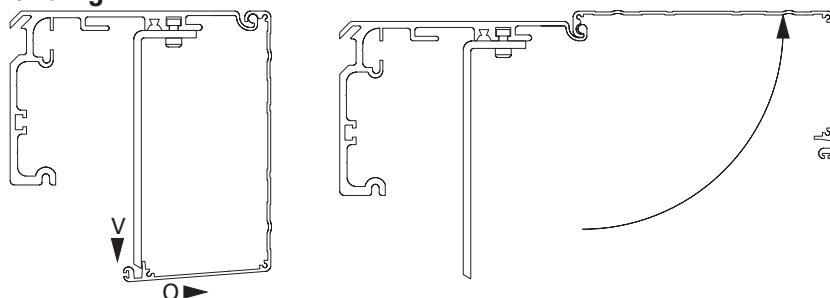
See details on the opposite page.

Assembly



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Dismantling



38

COVERING CASE

DISMANTLING

1 - Pull the bottom of the case downwards (V) with the hand and at the same time pull it towards you (O) to release it from the bracket (this operation should be carried out at the coupling bracket).

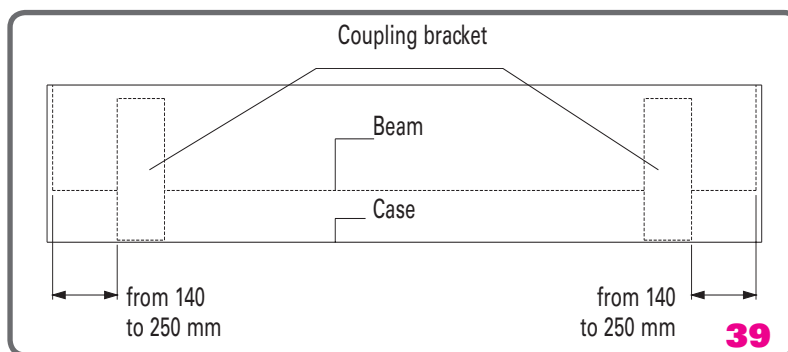
2 - When the case is rotated by about 40° it can be removed from the beam, or else it can be rotated through a complete 90° right angle and kept open by a special tool.

ASSEMBLY

1 – Attach the side covers to the case if necessary

2 – Insert the top part of the case in the corresponding top housing on the beam, keeping it inclined at about 40°.

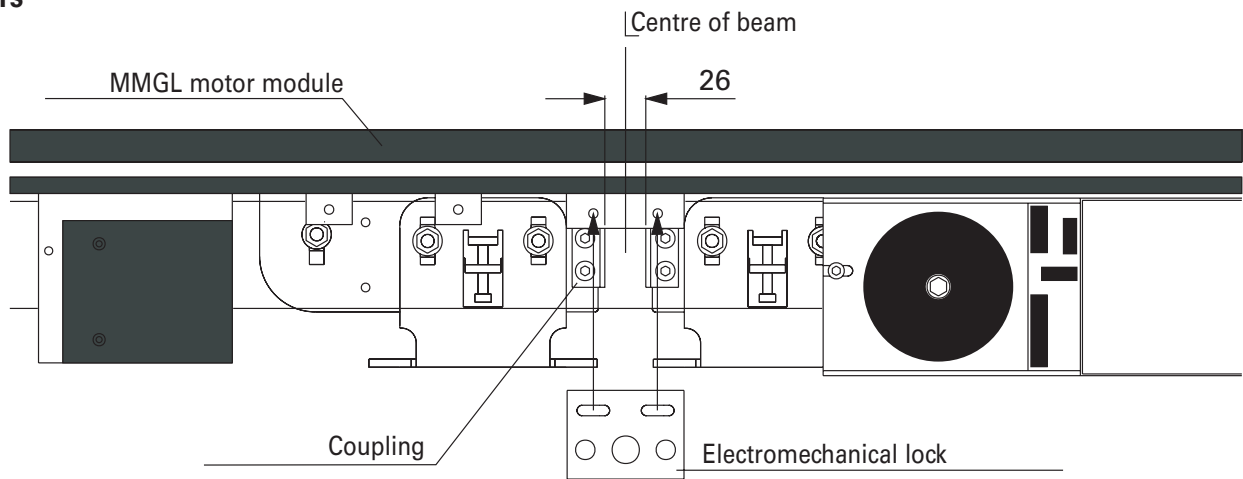
3 – Bring the bottom part towards the brackets and press on the front of the case at the brackets, holding the bracket on the inside until it latches in place.



39

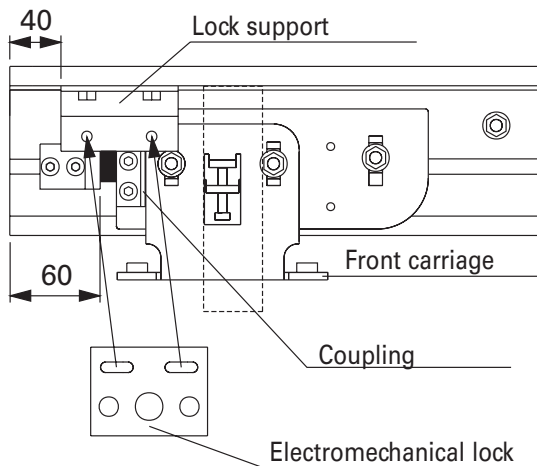
ASSEMBLING THE ELECTROMECHANICAL LOCK

2 doors



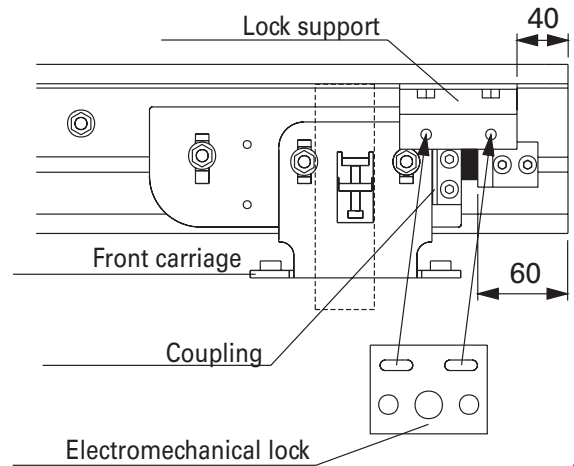
40

1 right door



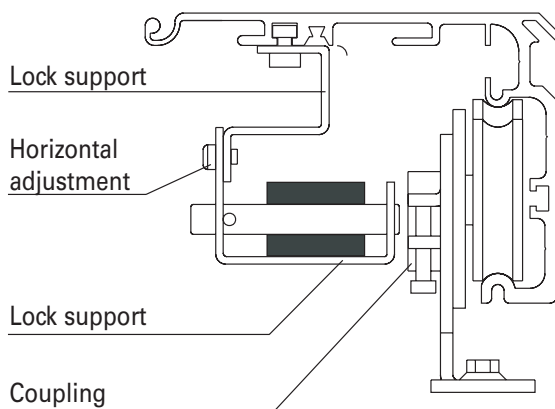
41

1 left door



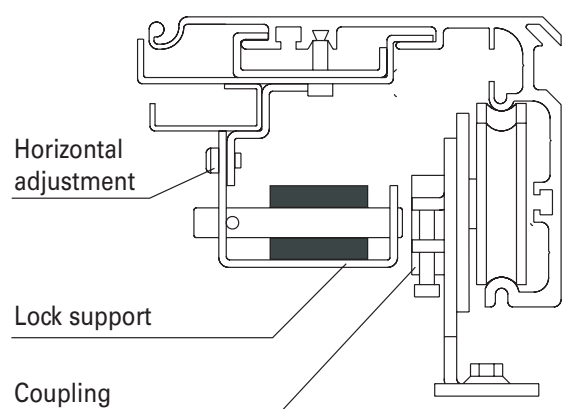
42

Example of lock for single door with powered closing



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Example of lock for double door with powered closing

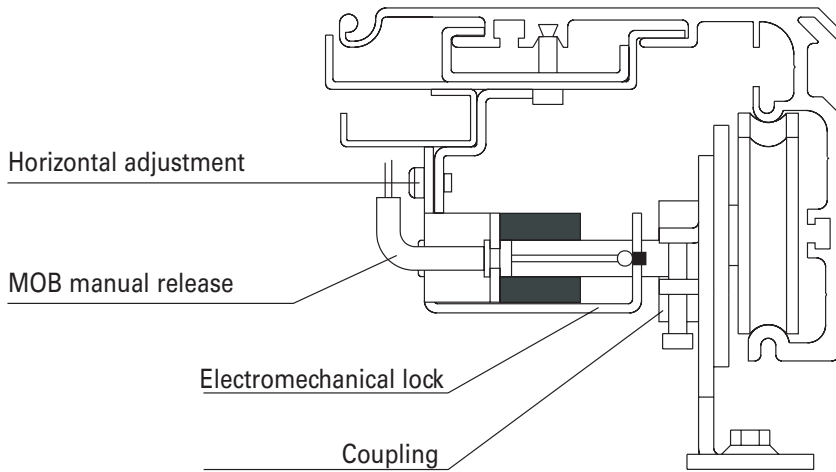


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ELECTROMECHANICAL LOCK

On request, the door can be fitted with an electromechanical closing lock that locks the door inside in the automation. The electromechanical lock can be of the type that is kept closed with or without power. (*) The setting is made using the programming keys. - The electromechanical lock is enabled by the programme selector that enables it in the CLOSED, EXIT ONLY or ENTRANCE ONLY positions. In the remaining positions the lock is disabled so that the door is free to slide. - In the CLOSED position all the detection sensors are disabled and the door is locked. - In the EXIT ONLY position the external detection sensor is disabled while the lock and the internal detection sensor are enabled. - In the ENTRANCE ONLY position the internal detection sensor is disabled while the lock and the external detection sensor are enabled. If the electromechanical lock is fitted for closure without power it can be released manually using a special accessory, the manual release.

Example of lock for double door with non-powered closure and manual release



45

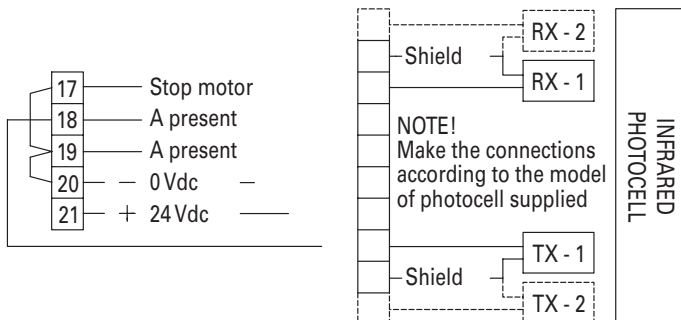
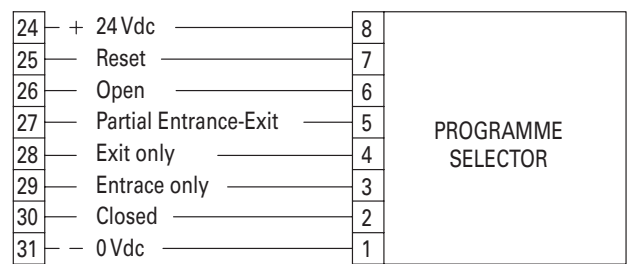
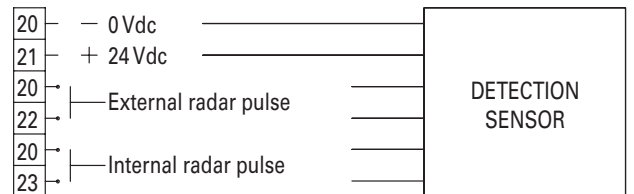
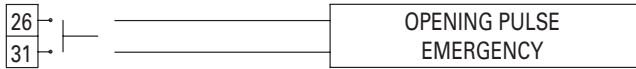
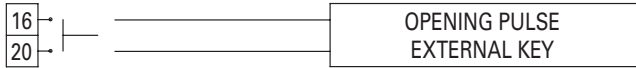
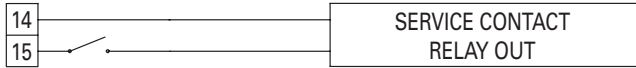
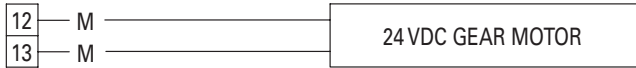
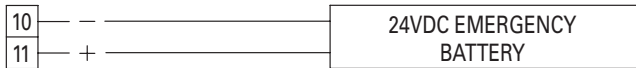
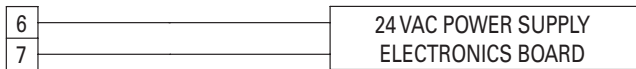
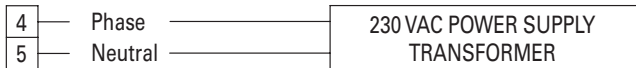
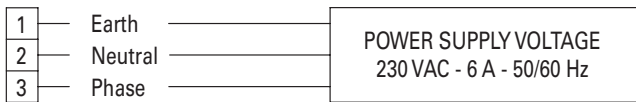
EXAMPLE OF LOCK FOR DOUBLE DOOR WITH NON-POWERED CLOSURE AND MANUAL RELEASE

Note: Make sure that when the lock is closed it is possible to open the door manually at least 2-3 mm.

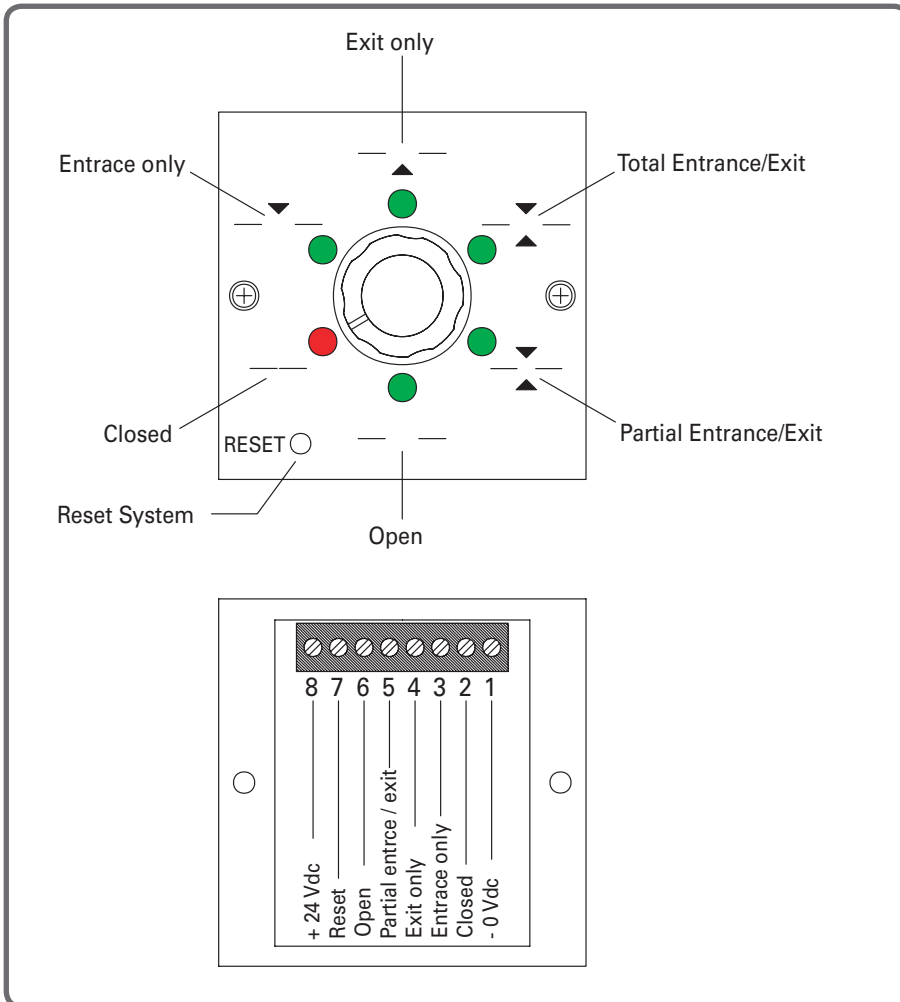
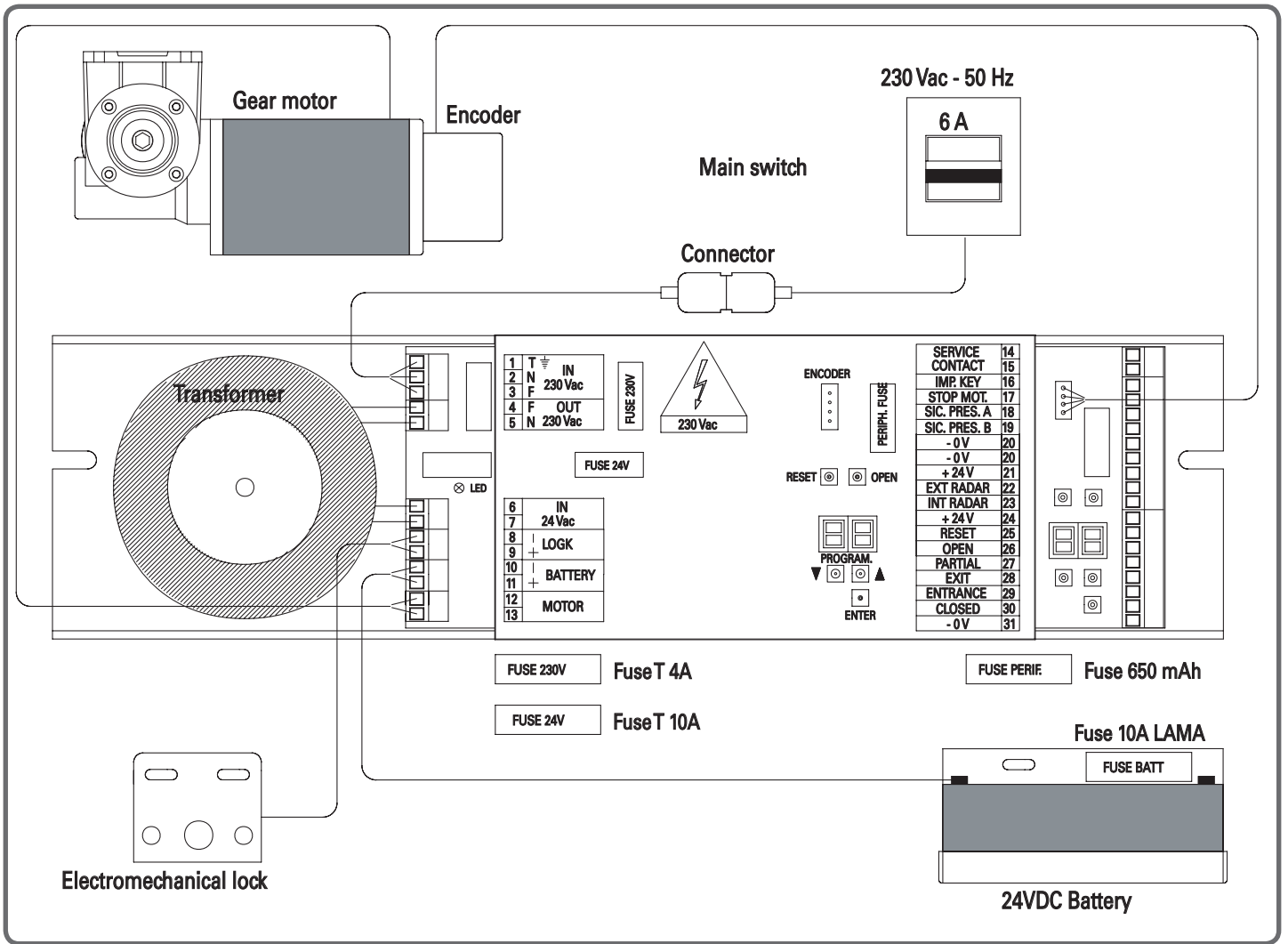
This tolerance is necessary to allow the lock to be released without obstructions.

(*) After modifying the electromechanical lock closing logic perform a reset pulse.

ELECTRICAL CONNECTIONS



NOTE: The contacts for the unused safety devices should be closed with the negative 0Vdc of terminal 20.



PROGRAMME SELECTOR

The illustration alongside shows the selector that is fitted on top. With this device it is possible to use a knob to select the various operating modes for the door.

It has LED's to indicate the selected function.

CLOSED – the door closes automatically from wherever it is, all radar is disabled and the electromechanical lock is activated.

ENTRANCE ONLY – The internal exit radar is disabled, the external entrance radar is enabled and the electromechanical lock is activated.

EXIT ONLY - The external entrance radar is disabled, the internal exit radar is enabled and the electromechanical lock is activated

OPEN – The door opens automatically from wherever it is and remains locked open.

PARTIAL ENTR. / EXIT–The internal/external radar is enabled, the electromechanical lock is disabled and automatic door opening is reduced.

TOTAL ENTR. / EXIT–The internal/external radar is enabled, the electromechanical lock is disabled and automatic door opening is total.

RESET – Resets the electronic control board and the selector.

EMERGENCY BATTERY

- **AUTOMATIC EMERGENCY OPENING AND CLOSING** The automation can be fitted with a rechargeable emergency battery that will open or close the door automatically if there is a main 230Vac power supply failure. After carrying out the manoeuvre the door will remain in the same position until the 230Vac power supply is restored. When power is restored the automation will resume operation according to the programme setting made by the selector. Opening or closing is determined by the setting when programming the electronics board.

- **MANUAL EMERGENCY OPENING OR CLOSING WITH THE PROGRAMME SELECTOR.**

- **MANUAL EMERGENCY OPENING** Operation of the emergency battery kept under constant supervision by the microprocessor electronics board. This supervision constantly monitors battery efficiency, locking the door open when necessary, to indicate a fault. If necessary, if there is a power failure it is possible to open or close the door using the programme selector. Selecting "OPEN" will open the door, selecting "CLOSED" will close the door. To be able to use this function it is necessary when programming the electronics board to set the emergency manoeuvre with battery to "OPEN" and emergency with battery when closed to "CLOSE". When emergency opening is requested this does not happen automatically if there is a power failure, it is possible to install a button to operate this function. Therefore if there is a power failure the emergency battery will not come into action until the button is pressed. The button should have a restrainer. To be able to use this function it is necessary when programming the electronics board to set the emergency manoeuvre with battery to "CLOSE" and connect the button to contacts 26 and 31 on the electronics board.

- **AUTOMATIC SUPERVISION OF THE EMERGENCY BATTERY**

OPERATION

- **STARTING DOOR MOVEMENT** Check and test the mechanical assembly to make sure it has been done correctly. Check and test the electrical connections to make sure they have been done correctly. Connect the automation to the 230Vac power supply and make sure the electronics board display lights up. After a few seconds the door will start to open up to the limit stop and will then close, at low speed (to memorise the traverse of the door). After carrying out this manoeuvre the door is ready for regular operation (with standard factory setting performance and parameters).

- **PROGRAMMING THE OPERATING PARAMETERS** If necessary, depending on the weight and size of the door, it is possible to modify its performance via three keys on the electronics board. To modify the parameters see the table.

" Programming parameters "

PROGRAMMING PARAMETERS

NUMERIC PIN CODE

It is possible to insert a programming password, consisting of 4 digits (A, B, C, D) in order to prevent unauthorised personnel from changing or tampering with the operating parameters of the automation. Password insertion procedure:

- Press the ENTER key and wait until the letter A appears followed by a flashing number 0
- Press the UP key to select the desired number and immediately afterwards
- Press the ENTER key and wait until the letter B appears followed by a flashing number 0
- Press the up key to select the desired number and immediately afterwards repeat the operation for letters C and D and then press the ENTER key.

MANOEUVRE COUNTER

It is possible to activate a counter for door opening and closing manoeuvres in order to determine when maintenance is necessary. This is determined by setting the number of manoeuvres to LOW or HIGH.

LOW when the door is installed in light traffic environments such as shops and offices.

HIGH when the door is installed in heavy traffic environments such as airports, supermarkets, hospitals, shopping centres. When it is time for maintenance the door will give out an intermittent beep that can be disabled by setting the counter to zero.

MANOEUVRE DISPLAY

It is possible to show the number of manoeuvres at any time on the electronics board display.

- If the DOWN key is pressed the first two digits will appear
- If the UP key is pressed the second two digits will appear

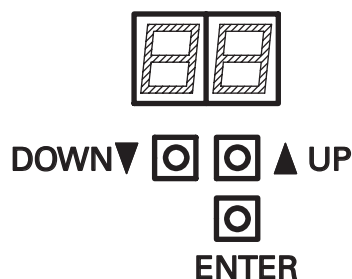
Example: (00 and 01 = 1000) - (00 and 10 = 10000)

The counter value is x 1000

PROGRAMMING

This can be performed using the keys and display on the electronics board

- press the ENTER key to read the desired parameter number
- wait until the current value appears, it will flash
- press the UP key several times to increase the value (or keep it pressed down)
- press the DOWN key several times to decrease the value (or keep it pressed down)
- wait about 8 seconds for automatic storage or press the ENTER key again to set another parameter ENTER



Programmable parameters	Value	
1	MOTOR THRUST WHEN OPENING	2 - 18
2	MOTOR THRUST WHEN CLOSING	2 - 18
3	OPENING ACCELERATION	1 - 5
4	CLOSING ACCELERATION	1 - 5
5	OPENING SPEED	10 - 75 cm/sec
6	CLOSING SPEED	10 - 60 cm/sec
7	APPROACH SPEED OPENING	3 - 15 cm/sec
8	APPROACH SPEED CLOSING	3 - 15 cm/sec
9	APPROACH DISTANCE OPENING	5 - 45 cm
10	APPROACH DISTANCE CLOSING	5 - 30 cm
11	PARTIAL OPENING	5 - 90 %
12	MANUAL OPENING TRAVERSE Set to 0 = closing resistance Set to 1 = no manual opening	2 - 5 cm
13	AUTOMATIC CLOSING TIME	0 - 30 sec
14	CLOSING TIME BY KEY SETTING	0 - 30 sec
15	CLOSING TIME FROM PARTIAL	0 - 30 sec
16	CL/OPTIME ELECTROMECH. LOCK Set to 1 = electr. lock disabled	2 - 10 d/sec
17	SET OPTIONS 1	See tab
18	SET OPTIONS 2	See tab
19	SET OPTIONS 3	See tab
20	PIN A CODE	0 - 9
21	PIN B CODE	0 - 9
22	PIN C CODE	0 - 9
23	PIN D CODE	0 - 9

NOTE
IF A BATTERY HAS NOT BEEN
INSTALLED, SUPERVISION/TEST SHOULD
BE SET TO "OFF"
ALL ADJUSTMENTS SHOULD BE MADE
WITH THE DOOR CLOSED

Set options 1

Value to be set	Input photo safety	Electr. lock close with	Emergency with battery	Emergency with battery if closed
0	n.o.	power	open	open
1	n.o.	power	close	
2	n.o.	power	open	close
3	n.o.	power	close	
4	n.o.	no power	open	open
5	n.o.	no power	close	
6	n.o.	no power	open	close
7	n.o.	no power	close	
8	n.c.	power	open	open
9	n.c.	power	close	
10	n.c.	power	open	close
11	n.c.	power	close	
12	n.c.	no power	open	open
13	n.c.	no power	close	
14	n.c.	no power	open	close
15	n.c.	no power	close	

Set options 2

Value to be set	Manoeuvre counter	Number of manoeuvres	Reset manoeuvre counter to zero	Beep
0	off			off
1	off			on
2	on	low 300.000	no	off
3	on	low 300.000	no	on
4	off			off
5	off			on
6	on	high 1.000.000	no	off
7	on	high 1.000.000	no	on
8	off			off
9	off			on
10	on	low 300.000	yes	off
11	on	low 300.000	yes	on
12	off			off
13	off			on
14	on	high 1.000.000	yes	off
15	on	high 1.000.000	yes	on

Set options 3

Value to be set	Relay Service contact	Operation with battery	Supervision/Test battery
0	off	continuous	off
1	off	continuous	on
2	off	emergency	off
3	off	emergency	on
4	on	continuous	off
5	on	continuous	on
6	on	emergency	off
7	on	emergency	on

TROUBLESHOOTING

PROBLEM

When switched on the electronics board display does not light up

When switched on the display lights up but the door does not move

After switching on the display lights up and the door moves then stops after a few centimetres

After opening for the first time the door remains open

When the door closes it keeps on re-opening

When opening or closing the door hits the limit stop without slowing down

The door is excessively noisy when opening or closing

When the door is set to TOTAL ENTR/EXIT it does not open

The door keeps on opening and closing slowly

The door sounds a number of beeps

REMEDY

Check the main 230Vac power supply, the fuses on the electronics board, voltage over contacts 4-5 / 6-7

Check the peripheral power supply fuse, photocell contacts and logic for N.O / N.C safety device inputs 17-18-19

Note: After modifying the input logic for the safety devices make a reset pulse

Check for sliding friction, increase thrust, encoder

Check the photocell contacts, the radar contacts, possible sliding friction, flat battery

Check the position and radar sensitivity, possible sliding friction

Check and increase the approach distance, memorize the door traverse, faulty motor and/or encoder

Verificare che sulla base di scorrimento non vi siano scorie, l'allineamento dei carrelli, ruote di scorrimento, pattini a pav.

Check the radar contacts, electromechanical lock, selector contacts

Check for permanent friction on the doors, electronic board, operating parameters

Check the electronics board display for an error message, consulting the list of error messages and alarms

HC	High Current	?Gear motor short circuit and/or fault in power sector of electronics board
EC	Error Current	Current limit exceeded while operating the door
nL	no Line	Main power supply not present and/or 230Vac and /or 24 Vac power supply fuses blown
EE	Error Encoder	No encoder signal – Break in wiring and/or fault in encoder and/or door and/or motor blocked
nb	no Battery	No battery – Break in wiring and/or battery fuse blown
FE	Flash Error	Memory error – Fault in microprocessor, replace electronics board
Lb	Low Battery	Battery charge voltage too low and/or flat battery
oA	ostacolo in	Obstruction found while opening
oC	ostacolo in	Obstruction found while closing
Eb	Error Battery	Battery failure - Replace
tb	test Battery	Indicates battery testing in progress (supervision and charge test)
HL	High Line	Main 230Vac voltage too high
LL	Low Line	Main 230Vac voltage too low
IP	Insert Pin Code	Requests insertion pin code (Password)
tp	testing Pin Code	Pin Code check in progress
EP	Error Pin Code	Error in Pin Code
rd	record dati	The microprocessor is storing the operating parameter settings

Note: Take very great care when operating on the control unit. HIGH VOLTAGE!

Note: Before starting to work on the parts or replace them disconnect the 230Vac power supply.

Note: Every time after working on the parts or replacing them, make a reset pulse.

For any other problem contact the technical office.

MAINTENANCE/ASSISTANCE

CASE - silver/black anodised extruded aluminium (standard)

DETECTION SENSORS – microwave or infrared radar, miniaturised photocells

PROGRAMME SELECTOR – electronic with knob/key/digital

ELECTROMECHANICAL LOCK – required when the door has to be locked closed. Operated by the programme selector

EMERGENCY BATTERY – required when the door has to be opened or closed automatically when there is a main 230Vac power supply failure

PANIC BREAKTHROUGH DEVICE- enables the sliding doors and semi-fixed side doors to be opened during an emergency by pushing as normal doors

GLASS DOOR SYSTEM – kit with adapter and floor runner. We recommend drawing up a maintenance programme when the automatic doors are installed; the frequency will depend on environmental conditions and traffic intensity where the doors are installed.

1. Remove dust and dirt from the automation. Dirt on the sliding rail can be removed with non-abrasive detergent.
2. No parts require lubrication. The V-belt should be kept clean and dry. Check the tension of the belt
3. Make sure that nuts, screws and bolts are tight.
4. If necessary, adjust the radar, the door speed and door alignment.

TYPE "B" DECLARATION OF CONFORMITY

DIRECTIVE 89/392 CEE AND SUBSEQUENT AMENDMENTS • NATIONAL ASSIMILATION DPR459/96

Automatic door with 1 or 2 doors: PRESTO model (all types)

Conforms to the following directives:

Directive 89-392 CEE and subsequent amendments Italian DPR 459/96 Annexe 1

Directive 73/23 CEE low voltage appliances
harmonised standards **EN 60204-1, EN 60335-2**

Directive 89/336 CEE electromagnetic compatibility
harmonised standards **EN 55022, IEC 1000-3-2, IEC 1000-3-3**

THE MACHINE THAT IS THE SUBJECT OF THE PRESENT DECLARATION
MUST NEVER BE STARTED UP BEFORE THE MACHINE WITH WHICH IT
WILL BE INCORPORATED OR ASSEMBLED, IN THIS CASE THE "AUTOMATIC
PEDESTRIAN DOOR"; HAS BEEN DECLARED TO BE IN CONFORMITY WITH THE
LEGISLATION AND STANDARDS.

Malo 01/05/2006

DASPI AUTOMAZIONE CANCELLI S.r.l
via Copernico 76/78,
36034 Malo • Vicenza • Italia

Spinella Denis
Legal Representative

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 **DASPI**®

DASPI AUTOMAZIONE CANCELLI S.R.L.
via Copernico 76/78
36034 Malo • (VI) • Italy
tel. +39 0445 602261
fax +39 0445 585035
www.daspi.it • info@daspi.it