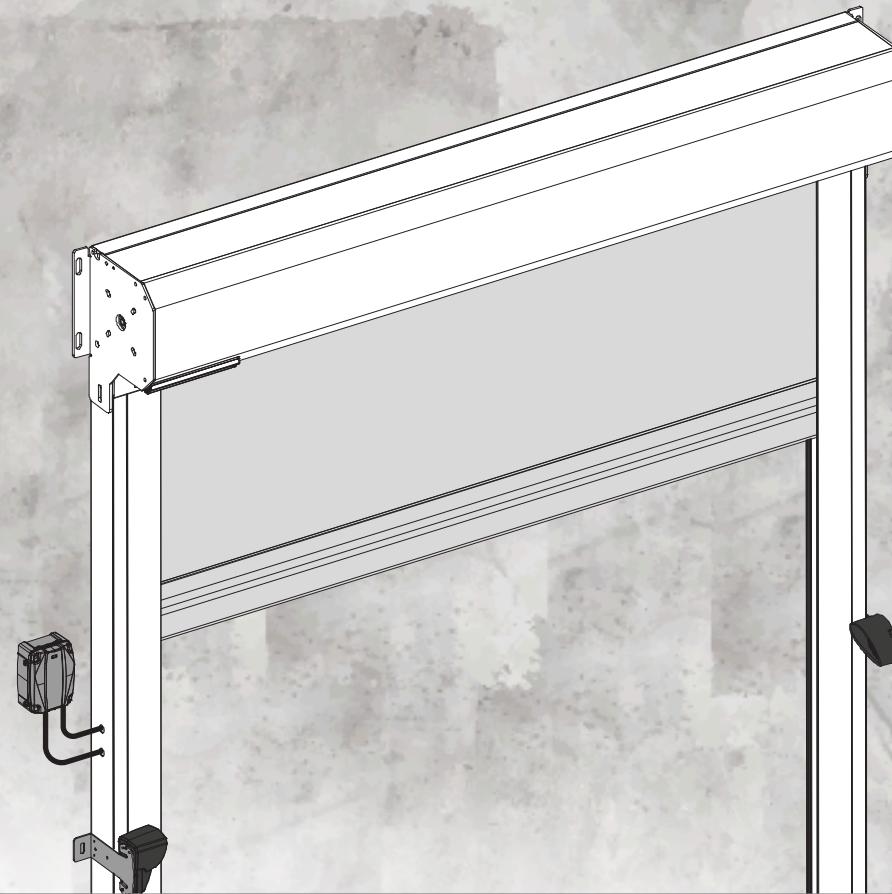


# ECO PLUMA RAPID ROLL-UP DOOR

## USER'S AND INSTALLER'S MANUAL



**motorline®**  
PROFESSIONAL



v1.4  
REV. 01/2026

# 00. CONTENT

## INDEX

<b>01. SAFETY INSTRUCTIONS</b>	
STANDARDS TO FOLLOW	1B
<b>02. PACKAGE</b>	
INSIDE PACKAGE	4A
<b>03. AUTOMATISM</b>	
TECHNICAL SPECIFICATIONS	4B
MANUAL OPENING/CLOSING	4B
DIMENSIONS - NORMAL KIT	5A
DIMENSIONS - TUNNEL KIT	5B
<b>04. INSTALLATION</b>	
INSTALLATION MAP	6
SAFE PROFILE FIXATION	7
LATERAL GUIDES AND CONTROL BOARD FIXATION	8
SAFE PROFILE FIXATION - TUNNEL KIT	9
LATERAL GUIDES AND CONTROL BOARD FIXATION - TUNNEL KIT	10
<b>05. LIMIT-SWITCHES</b>	
LIMIT-SWITCHES ADJUSTMENT	11
<b>06. MAINTENANCE</b>	
MAINTENANCE TASKS AND FREQUENCY	12

# 01. SAFETY INSTRUCTIONS

	This product is certified in accordance with European Community (EC) safety standards.
	This product complies with Directive 2011/65/EU of the European Parliament and of the Council, of 8 June 2011, on the restriction of the use of certain hazardous substances in electrical and electronic equipment and with Delegated Directive (EU) 2015/863 from Commission.
	(Applicable in countries with recycling systems). This marking on the product or literature indicates that the product and electronic accessories (eg. Charger, USB cable, electronic material, controls, etc.) should not be disposed of as other household waste at the end of its useful life. To avoid possible harm to the environment or human health resulting from the uncontrolled disposal of waste, separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources. Home users should contact the dealer where they purchased this product or the National Environment Agency for details on where and how they can take these items for environmentally safe recycling. Business users should contact their vendor and check the terms and conditions of the purchase agreement. This product and its electronic accessories should not be mixed with other commercial waste.
	This marking indicates that batteries should not be discarded like other household waste at the end of their useful life. Batteries must be delivered to selective collection points for recycling.
	The different types of packaging (cardboard, plastic, etc.) must be subject to selective collection for recycling. Separate packaging and recycle it responsibly.
	This marking indicates that the product and electronic accessories (eg. charger, USB cable, electronic material, controls, etc.) are susceptible to electric shock by direct or indirect contact with electricity. Be cautious when handling the product and observe all safety procedures in this manual.

# 01. SAFETY INSTRUCTIONS

## GENERAL WARNINGS

- This manual contains very important safety and usage information. Read all instructions carefully before beginning the installation/usage procedures and keep this manual in a safe place that it can be consulted whenever necessary.
- This product is intended for use only as described in this manual. Any other enforcement or operation that is not mentioned is expressly prohibited, as it may damage the product and put people at risk causing serious injuries.
- This manual is intended firstly for specialized technicians, and does not invalidate the user's responsibility to read the "User Norms" section in order to ensure the correct functioning of the product.
- The installation and repair of this product may be done by qualified and specialized technicians, to assure every procedure are carried out in accordance with applicable rules and norms. Nonprofessional and inexperienced users are expressly prohibited of taking any action, unless explicitly requested by specialized technicians to do so.
- Installations must be frequently inspected for unbalance and the wear signals of the cables, springs, hinges, wheels, supports and other mechanical assembly parts.
- Do not use the product if it is necessary repair or adjustment is required.
- When performing maintenance, cleaning and replacement of parts, the product must be disconnected from power supply. Also including any operation that requires opening the product cover.
- The use, cleaning and maintenance of this product may be carried out by any persons aged eight years old and over and persons whose physical, sensorial or mental capacities are lower, or by persons without any knowledge of the product, provided that these are supervision and instructions given by persons with experienced in terms of usage of the product in a safe manner and who understands the risks and dangers involved.

- Children shouldn't play with the product or opening devices to avoid the motorized door or gate from being triggered involuntarily.
- If the power cable is damaged, it must be replaced by the manufacturer, after-sales service or similarly qualified personnel to avoid danger.
- The device must be disconnected from the electrical network when removing the battery.
- Ensure that blocking is avoided between the actuated part and its fixed parts due to the opening movement of the actuated part.

## WARNINGS FOR TECHNICIANS

- Before beginning the installation procedures, make sure that you have all the devices and materials necessary to complete the installation of the product.
- You should note your Protection Index(IP) and operating temperature to ensure that is suitable for the installation site.
- Provide the manual of the product to the user and let them know how to handle it in an emergency.
- If the automatism is installed on a gate with a pedestrian door, a door locking mechanism must be installed while the gate is in motion.
- Do not install the product "upside down" or supported by elements do not support its weight. If necessary, add brackets at strategic points to ensure the safety of the automatism.
- Do not install the product in explosive site.
- Safety devices must protect the possible crushing, cutting, transport and danger areas of the motorized door or gate.
- Verify that the elements to be automated (gates, door, windows, blinds, etc.) are in perfect function, aligned and level. Also verify if the necessary mechanical stops are in the appropriate places.
- The control board must be installed on a safe place of any fluid (rain, moisture, etc.), dust and pests.
- You must route the various electrical cables through protective tubes, to protect them against mechanical exertions, essentially on

# 01. SAFETY INSTRUCTIONS

the power supply cable. Please note that all the cables must enter the control board from the bottom.

- If the automatism is to be installed at a height of more than 2,5m from the ground or other level of access, the minimum safety and health requirements for the use of work equipment workers at the work of Directive 2009/104/CE of European Parliament and of the Council of 16 September 2009.
- Attach the permanent label for the manual release as close as possible to the release mechanism.
- Disconnect means, such as a switch or circuit breaker on the electrical panel, must be provided on the product's fixed power supply leads in accordance with the installation rules.
- If the product to be installed requires power supply of 230Vac or 110Vac, ensure that connection is to an electrical panel with ground connection.
- The product is only powered by low voltage safety with control board (only at 24V motors).
- Parts/products weighing more than 20 kg must be handled with special care due to the risk of injury. It is recommended to use suitable auxiliary systems for moving or lifting heavy objects.
- Pay special attention to the danger of falling objects or uncontrolled movement of doors/gates during the installation or operation of this product.

## WARNINGS FOR USERS

- Keep this manual in a safe place to be consulted whenever necessary.
- If the product has contact with fluids without being prepared, it must immediately disconnect from the power supply to avoid short circuits, and consult a specialized technician.
- Ensure that technician has provided you the product manual and informed you how to handle the product in an emergency.
- If the system requires any repair or modification, unlock the automatism, turn off the power and do not use it until all safety

conditions have been met.

- In the event of tripping of circuits breakers or fuse failure, locate the malfunction and solve it before resetting the circuit breaker or replacing the fuse. If the malfunction is not repairable by consult this manual, contact a technician.
- Keep the operation area of the motorized gate free while the gate is in motion, and do not create strength to the gate movement.
- Do not perform any operation on mechanical elements or hinges if the product is in motion.

## RESPONSABILITY

- Supplier disclaims any liability if:
  - Product failure or deformation result from improper installation use or maintenance!
  - Safety norms are not followed in the installation, use and maintenance of the product.
  - Instructions in this manual are not followed.
  - Damaged is caused by unauthorized modifications
  - In these cases, the warranty is voided.

## MOTORLINE ELECTROCELOS SA.

Travessa do Sobreiro, nº29  
4755-474 Rio Côvo (Santa Eugénia)  
Barcelos, Portugal

## SYMBOLS LEGEND:



- Important safety notices



- Useful information



- Programming information



- Potentiometer information



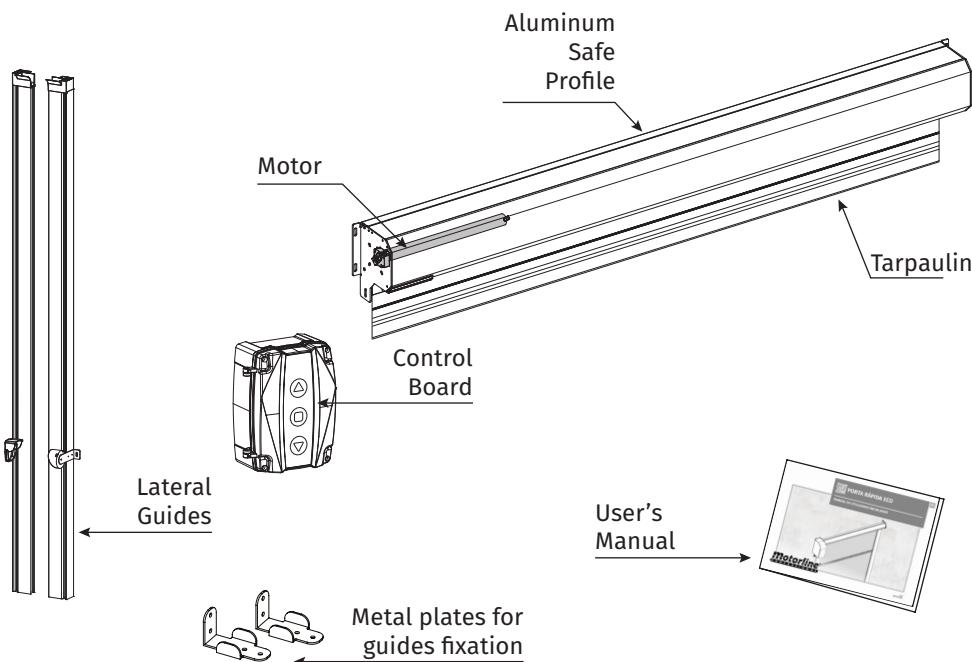
- Connectors information



- Buttons information

## 02. PACKAGE

### INSIDE PACKAGE



### TECHNICAL SPECIFICATIONS

**ECO PLUMA rapid door** is manufactured with own profiles of white lacquered aluminum, suitable for areas with low air pressure. Has 1 reinforcement strut. It is certified to IP23 protection level.

TARPAULIN	
• Yarn	2 x 1100 dtex PES HT
• Weight	900 g/m <sup>2</sup>
• Tensile strength	400/400 daN/5 cm
• Tear resistance	45/45 daN
• Operating temperature	-30°C to 70°C
• Grip	10/10 daN/5 cm
• Abrasion resistance	EN ISO 5470-2 10000 cycles

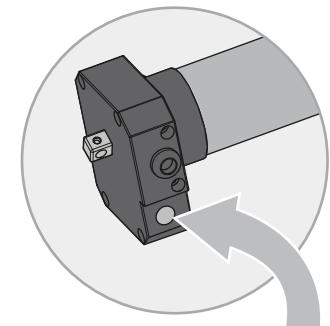
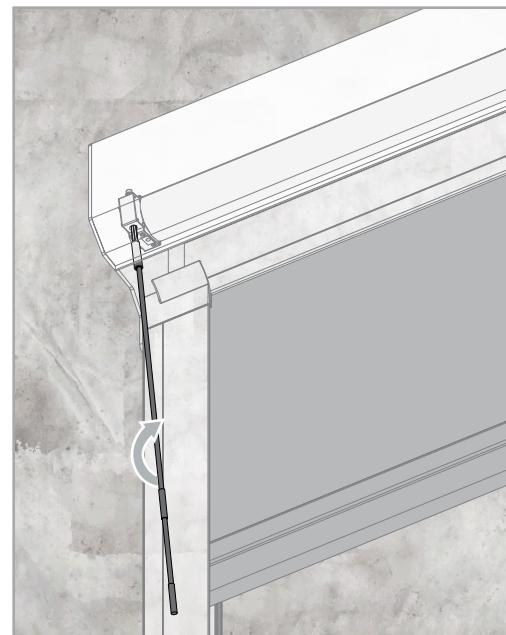
TRANSPARENT STRIP	Up to -10°C	Above -10°C
• Thickness	1mm	1mm
• Material	PVC	PVC
• Hardness	4s/49phr	-
• Weight	1240g/m <sup>2</sup>	-
• Tensile strength	226,5~250,9N	19,40~21,30Mpa
• Tear resistance	77,9~80,9N	10,80~12,70Mpa
• Elasticity	-	452~505%
• Cold cracking	-50°C ~ -45°C	-
• Light Passage	Yes	Yes

## 03. AUTOMATISM

### TECHNICAL SPECIFICATIONS

MOTOR	
• Power supply	230V 50/60Hz
• Power	227W
• Rotational speed	50rpm
• Force	80Nm
• Opening speed *	250mm/s
• Operating temperature	-25°C to 55°C
• Noise	≤ 60dB
• Protection class	IP23
• Working frequency	4 min
• Daily manoeuvres	30 (intercalated)

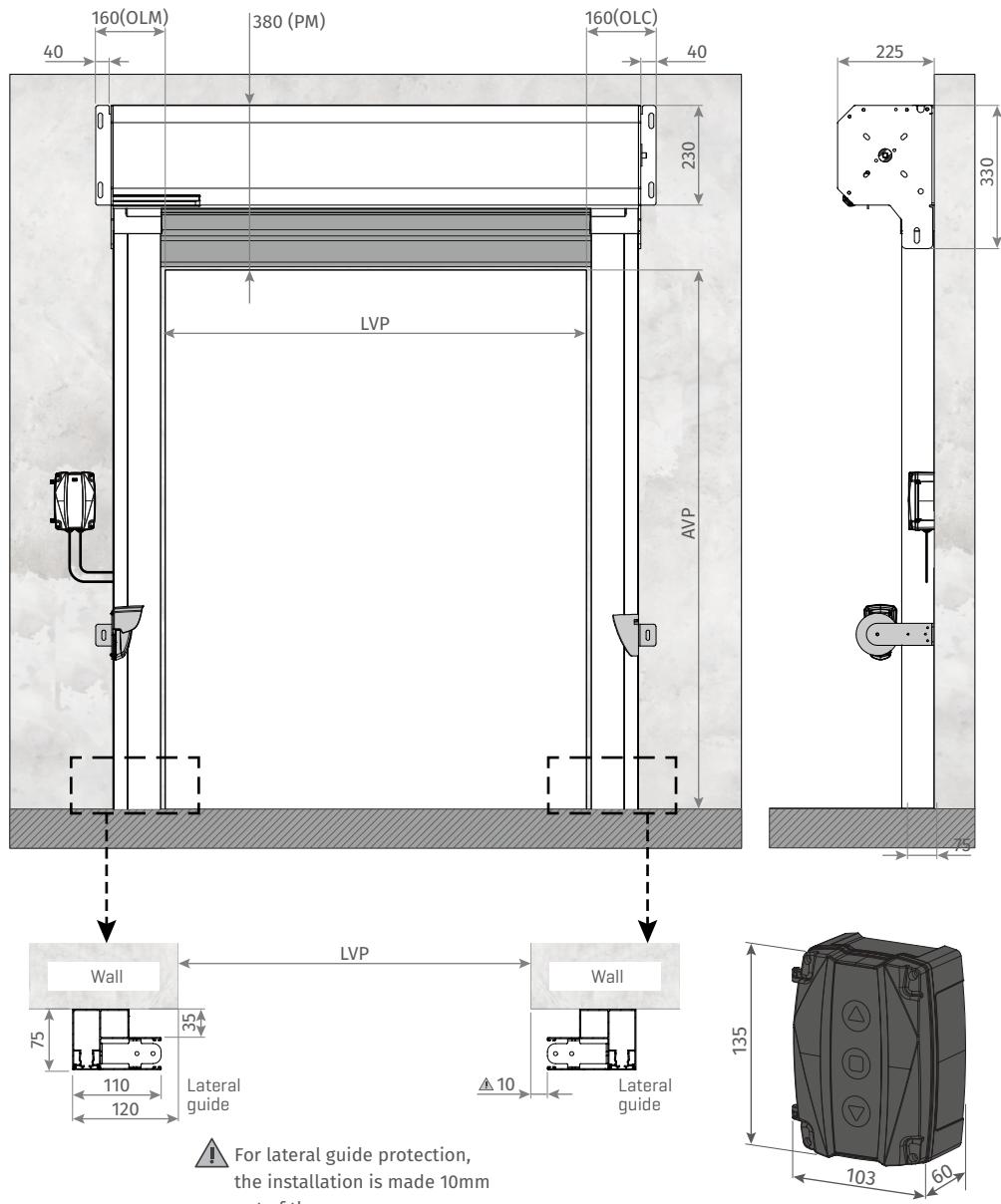
### MANUAL OPENING/CLOSING



To open or close the door manually, simply place the crank on the screw next to the motor and turn to open or close the door.

## 03. AUTOMATISM

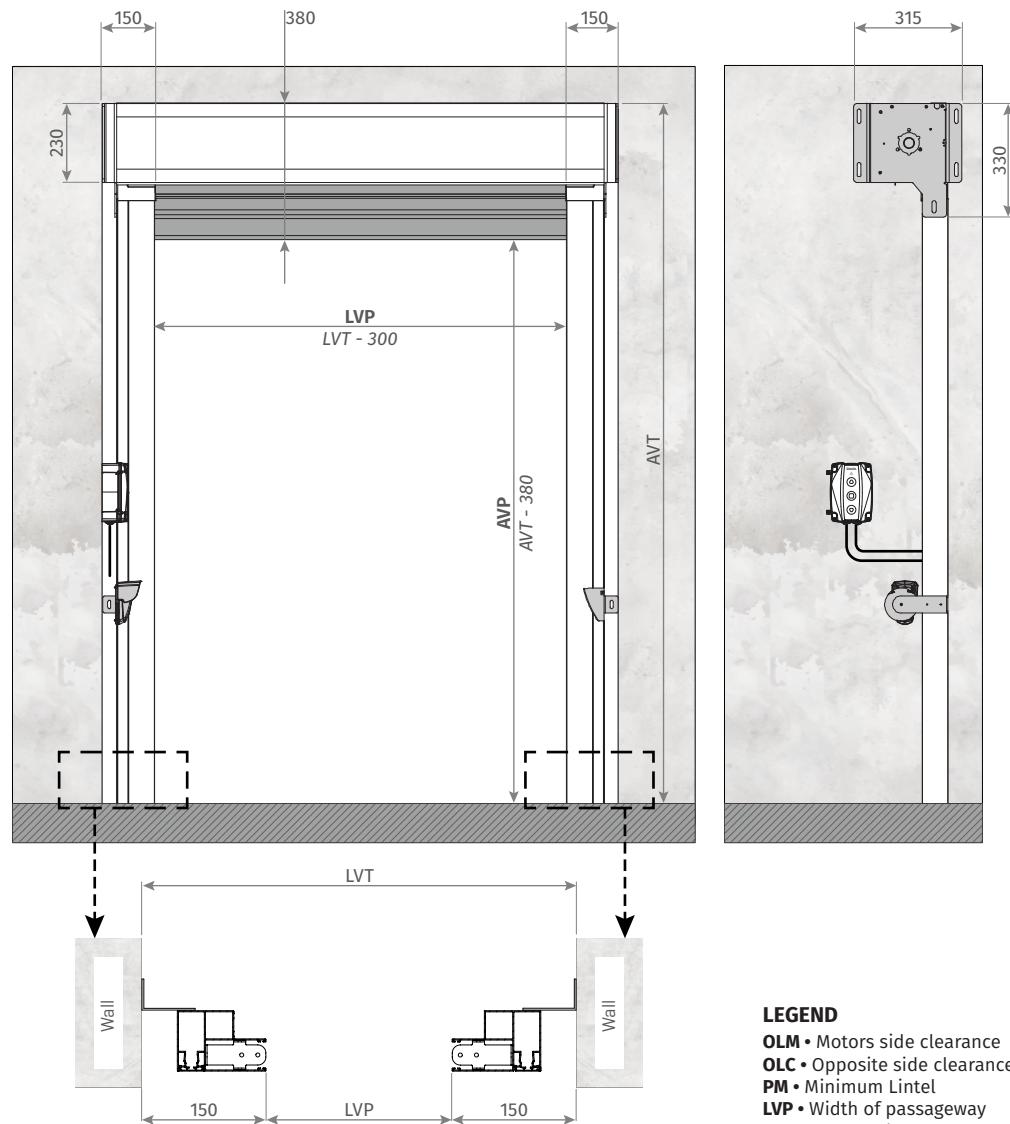
### DIMENSIONS - NORMAL KIT



5A  
EN

## 03. AUTOMATISM

### DIMENSIONS - TUNNEL KIT

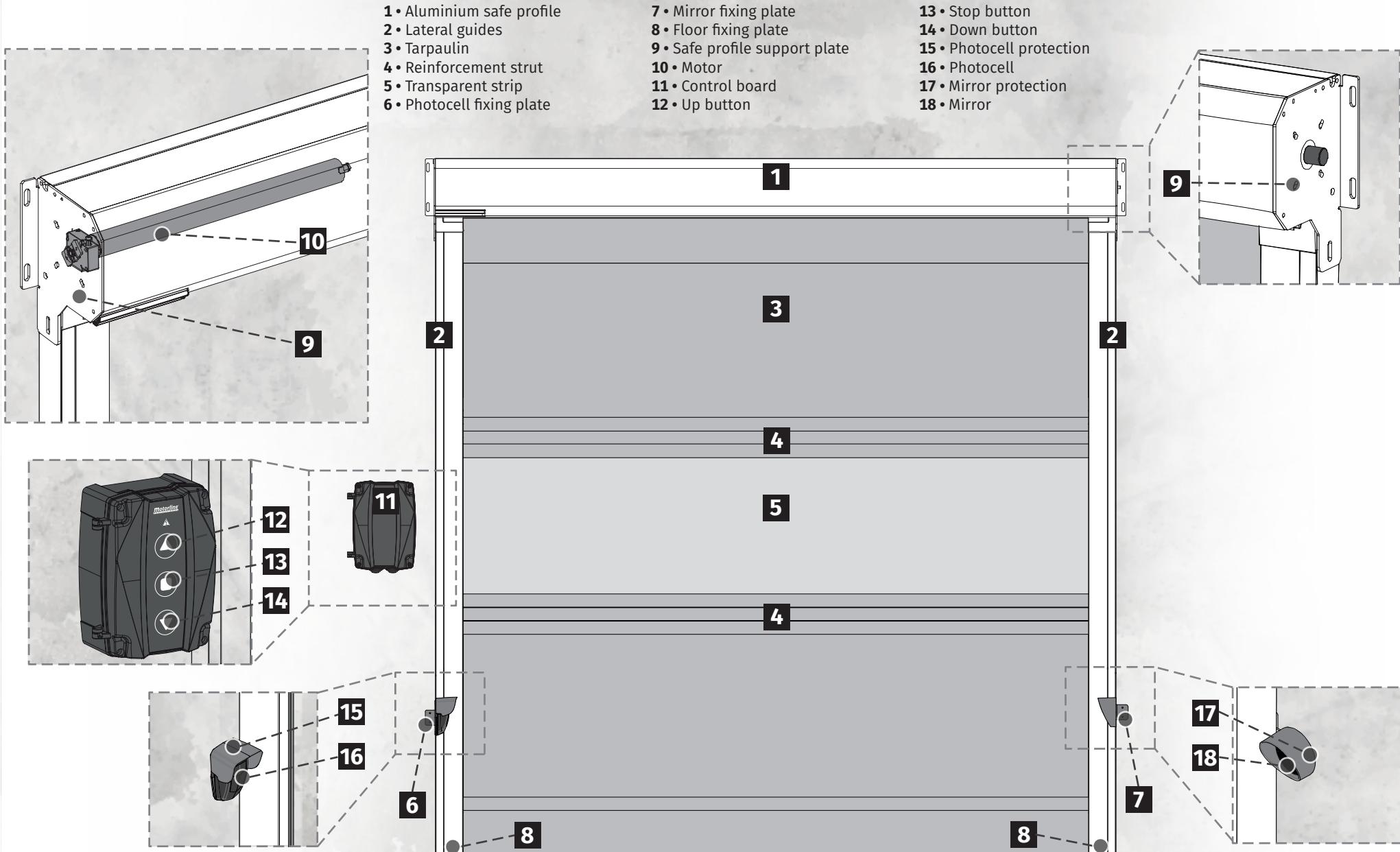


#### LEGEND

- OLM • Motors side clearance
- OLC • Opposite side clearance
- PM • Minimum Lintel
- LVP • Width of passageway
- LVT • Overall width of passageway
- AVP • Height of passageway
- AVT • Overall height of passageway

## 04. INSTALLATION

### INSTALLATION MAP



## 04. INSTALLATION

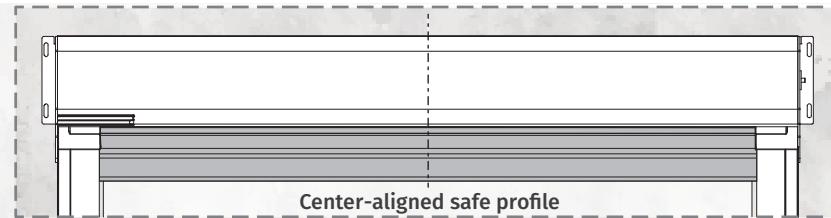
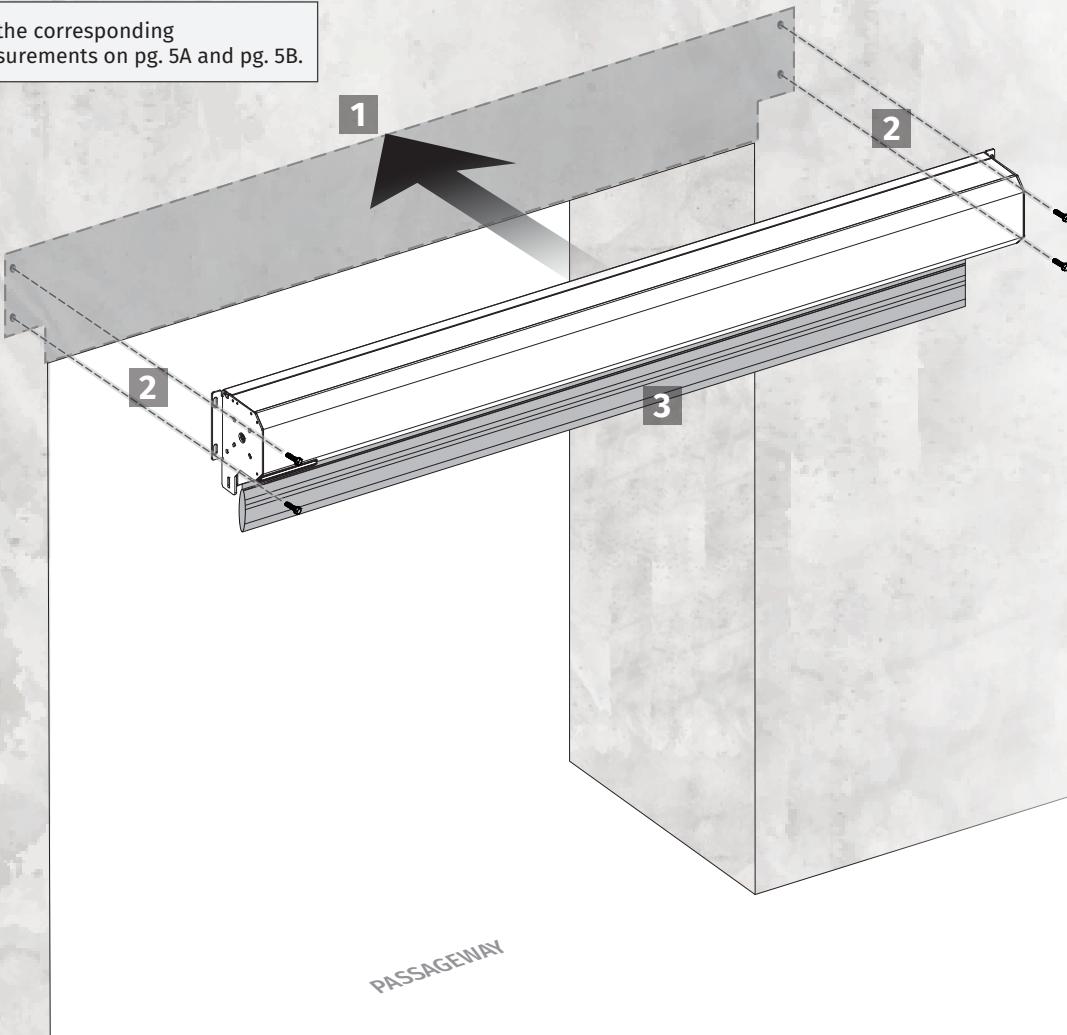
### SAFE PROFILE FIXATION



Check the height of the lateral guides in order to respect the measures required for installation.



Use the corresponding measurements on pg. 5A and pg. 5B.



#### 1 POSITIONING SAFE PROFILE

Apply the safe profile to the wall of the installation location, paying attention to horizontal leveling and the lintel. The safe profile should be centered with the passageway. Based on the holes in the support plates, mark the locations for drilling.

#### 2 FIX SAFE PROFILE

Drill the holes at the marked locations, and then apply the safe profile to the wall, fixing it with dowels and screws, suitable to the installation place. **The safe profile must be securely fixed to prevent accidents.**

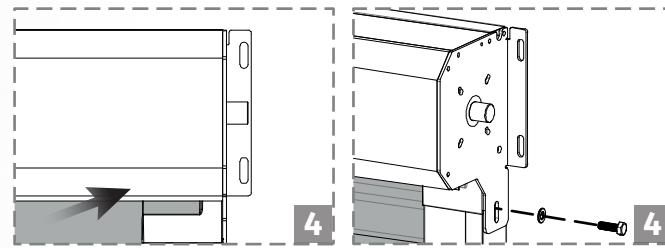
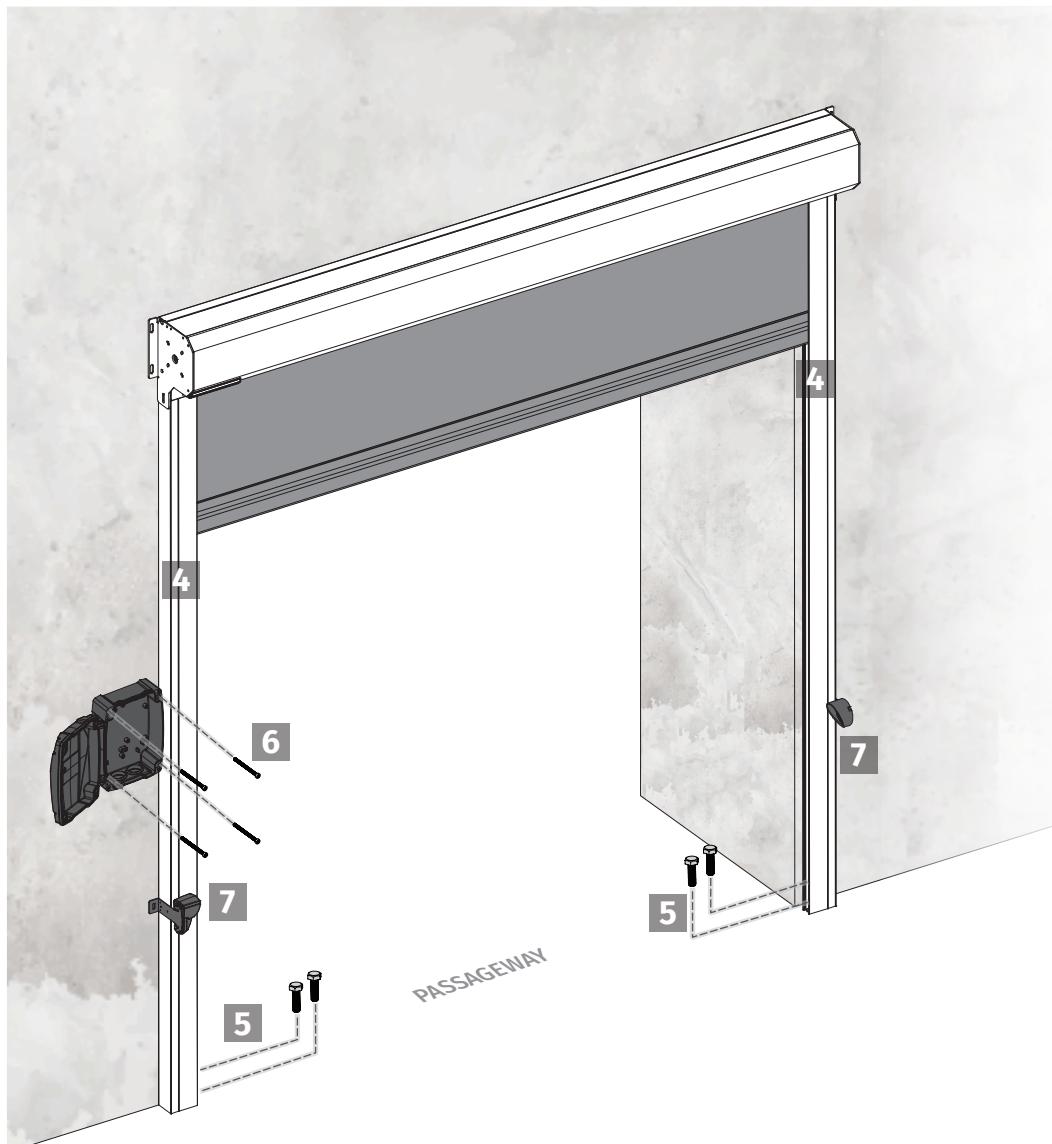


#### 3 ADJUST TARPAULIN

Open the tarpaulin by hand, about 500mm.

## 04. INSTALLATION

### LATERAL GUIDES AND CONTROL BOARD FIXATION

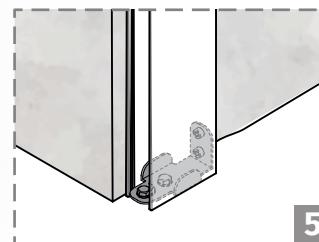


#### APPLY LATERAL GUIDES

Place the lateral guides by placing them on the inside of the support plates and leaning against the wall.

The tarpaulin must be inside the lateral guides so that it can always go up and down inside.

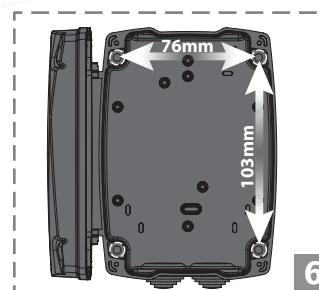
Secure the lateral guides to the support plates with screws, tightening them to the nuts on the lateral guides.



#### FIX LATERAL GUIDES TO THE GROUND

Start by drilling holes in the floor taking into account the holes already in the plates for the application of the screws.

Finally, tighten the screws until the guides are properly secured.



#### FIX CONTROL BOARD

Determine the location for fixing the control board and fix it to the wall.

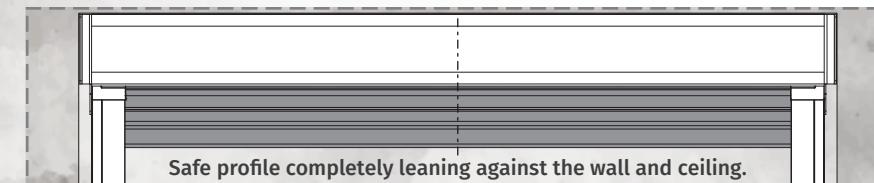
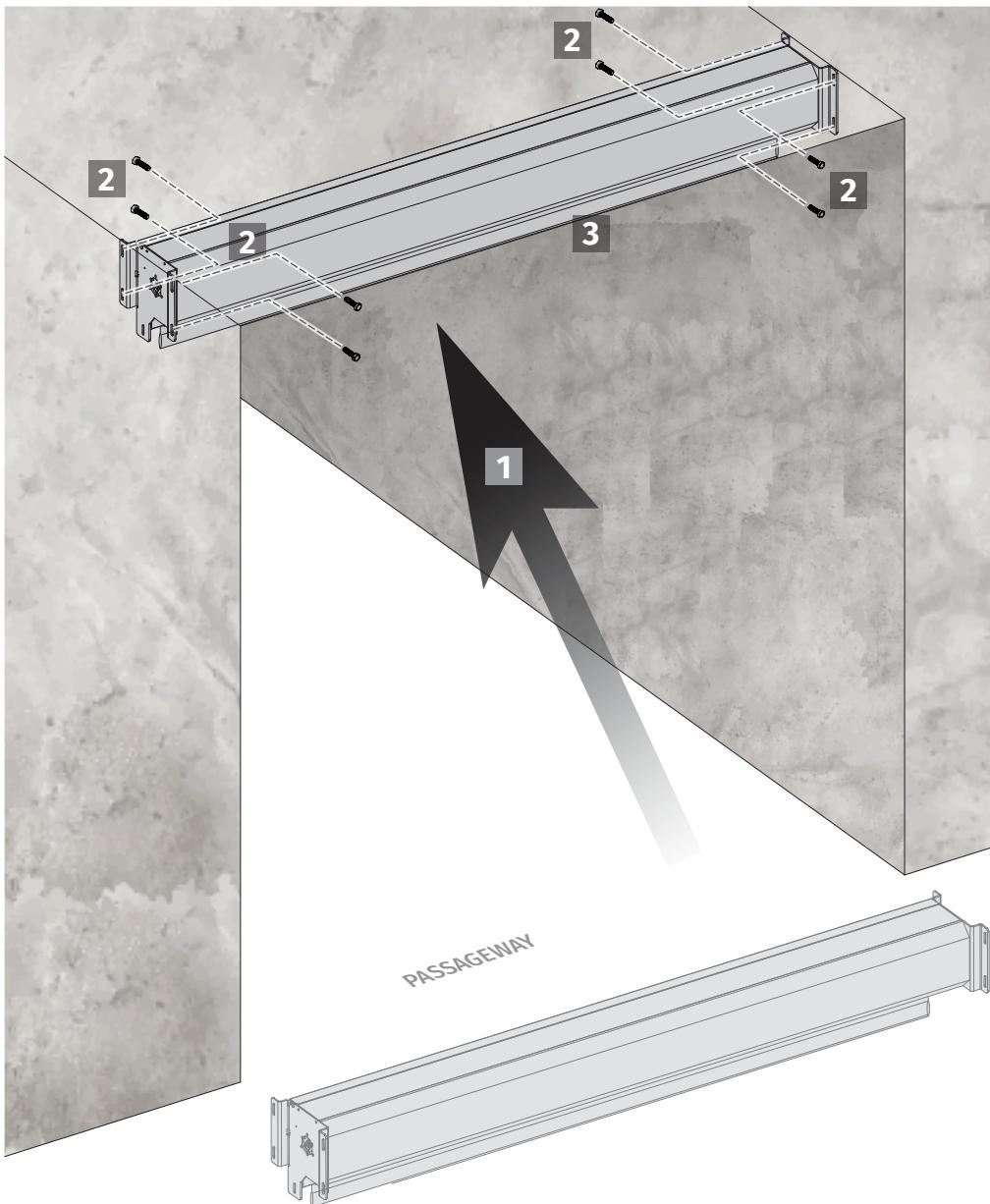


**7** CONSULT THE MFE PHOTOCELL MANUAL FOR INSTALLATION



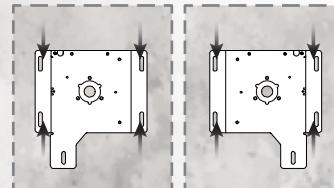
## 04. INSTALLATION

### SAFE PROFILE FIXATION - TUNNEL KIT



#### 1 POSITION SAFE PROFILE

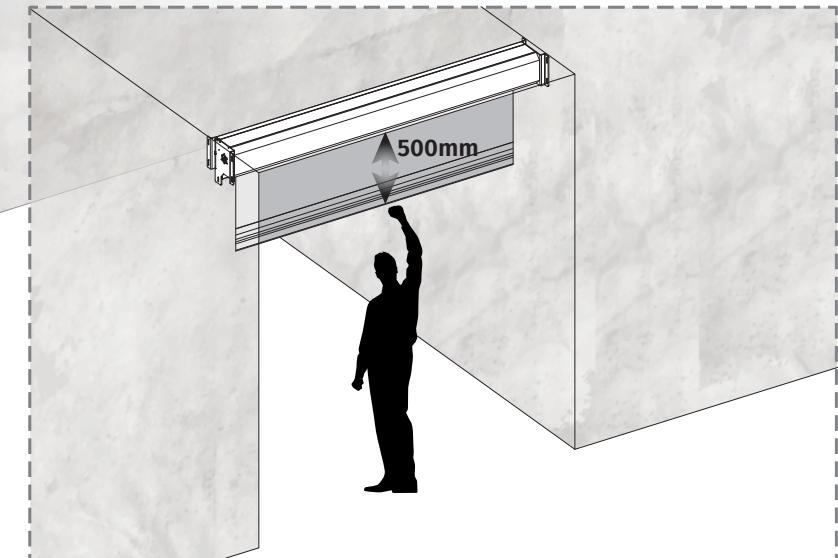
Insert the safe profile into the tunnel and apply at the desired location for installation, taking into account the horizontal leveling. Based on the holes in the support plates, mark the locations for drilling.



#### 2 FIX SAFE PROFILE

Drill the holes at the marked locations, and then apply the safe profile to the wall, fixing it with dowels and screws.

**The safe profile must be securely fastened to prevent accidents.**

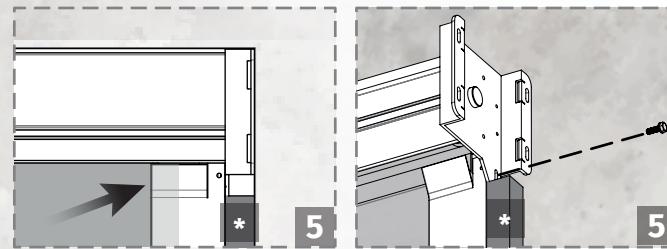
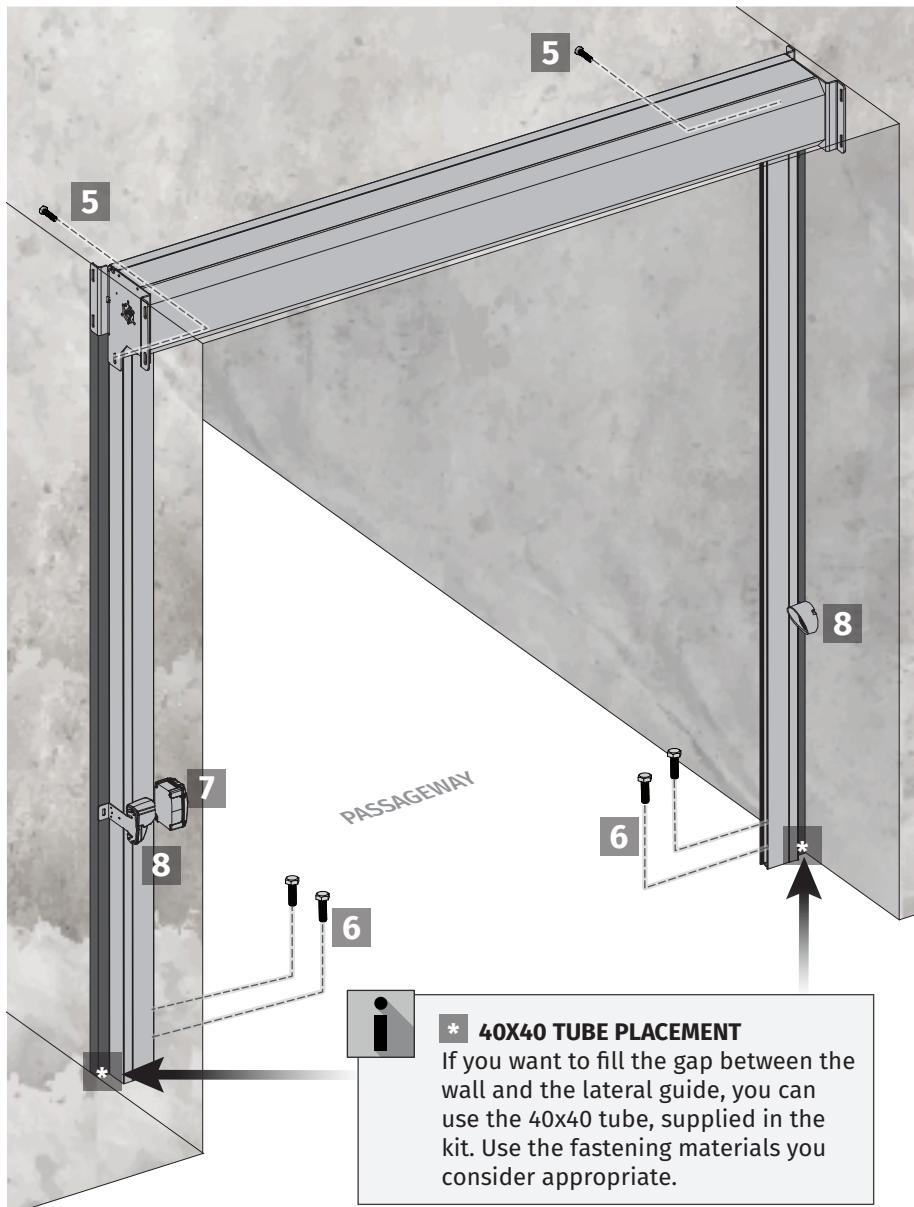


#### 3 ADJUST TARPAULIN

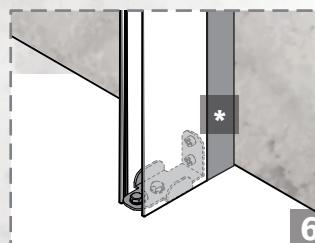
Open the tarpaulin by hand, about 500mm.

## 04. INSTALLATION

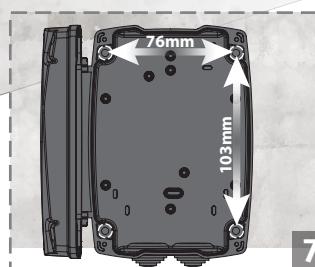
### LATERAL GUIDES AND CONTROL BOARD FIXATION - TUNNEL KIT



Place the lateral guides by placing them on the inside of the support plates and leaning against the wall. The tarpaulin must be inside the lateral guides so that it can always go up and down inside. Secure the lateral guides to the support plates with screws, tightening them to the nuts on the lateral guides.



Start by drilling holes in the floor taking into account the holes already in the plates for the application of the screws.  
Finally, tighten the screws until the guides are properly secured.



Determine the location for fixing the control board and fix it to the wall.



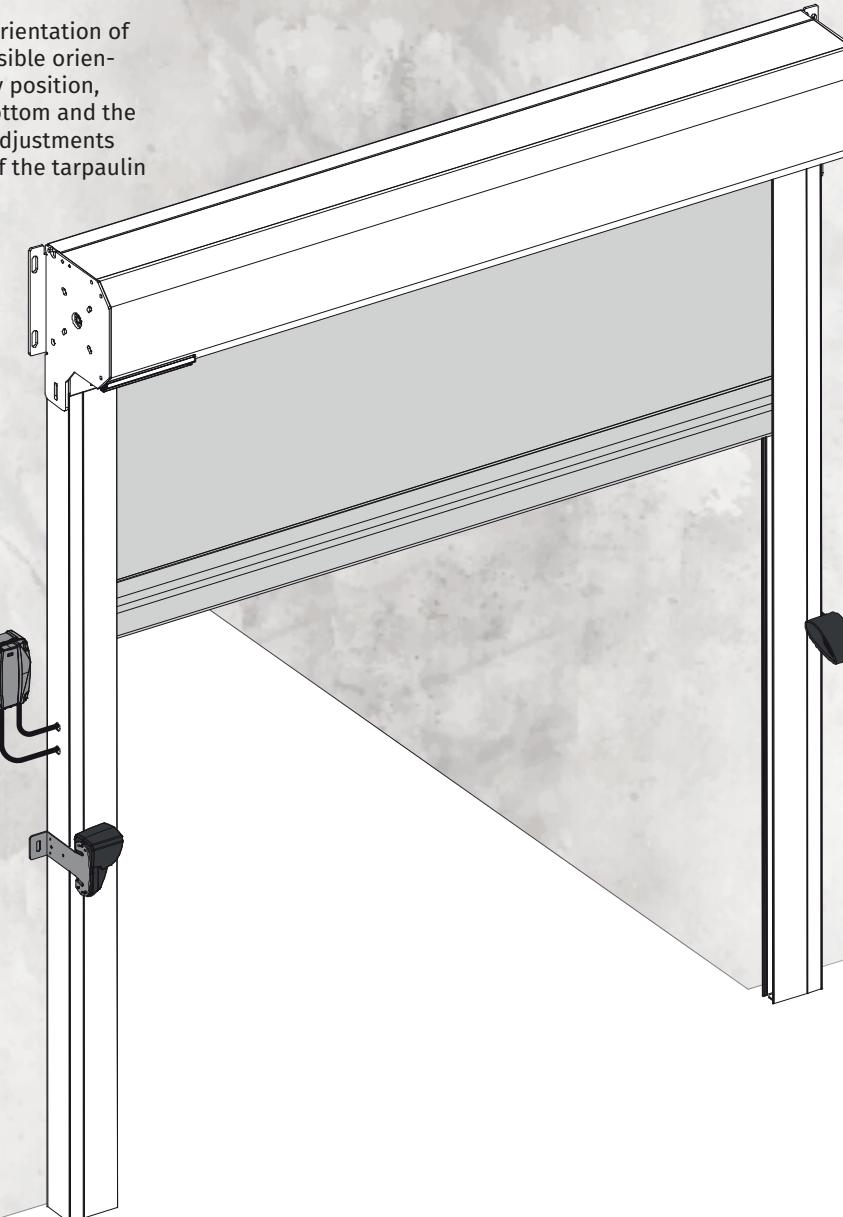
**8 CONSULT THE MFE PHOTOCELL MANUAL FOR INSTALLATION**



## 05. LIMIT-SWITCHES

### LIMIT-SWITCHES ADJUSTMENT

Before you start to tune the limit switches, confirm the orientation of your motor tuning arrows. This may have one or two possible orientations on the same motor: arrows going in or out. In any position, the adjustment A rotates the tube from the top to the bottom and the adjustment B rotates it from bottom to top. Any of the adjustments could be opening or closing depending on the winding of the tarpaulin (internal or external winding).



Adjustment A - Limit switch at opening  
Adjustment B - Limit switch at closing

## 06. MAINTENANCE

### MAINTENANCE TASKS AND FREQUENCY

During maintenance/revision check the parameters mentioned below.  
On the date you carry out the maintenance, mark with an "X" the tasks performed.

	Frequency (months)				Date						
	6	12	24	36	/ /	/ /	/ /	/ /	/ /	/ /	/ /
<b>1. MECHANICAL OPERATION</b>											
Fastening the door to the frame		X									
Noise from scrolling points		X									
Electric brake - manual release		X									
Door speed		X									
Insect cleaning		X									
Friction points on the tarpaulin to prevent tearing		X									
Wear and tear of the anti-storm kit (if applicable)		X									
<b>2. ELECTRICAL FUNCTIONING</b>											
Power supply protected by circuit breaker and ground wire		X									
Cable connection		X									
Operation of photocells at idle and maximum speed		X									
Bottom security (bottom profile)		X									
Soft stop and start		X									
Advertising		X									
Label for recording the intervention		X									
CE marking label		X									
Company / Technician:											



Since maintenance standards vary depending on the legislation in force in the country where the door is being installed, the installer must verify that the recommended maintenance frequency is correct.