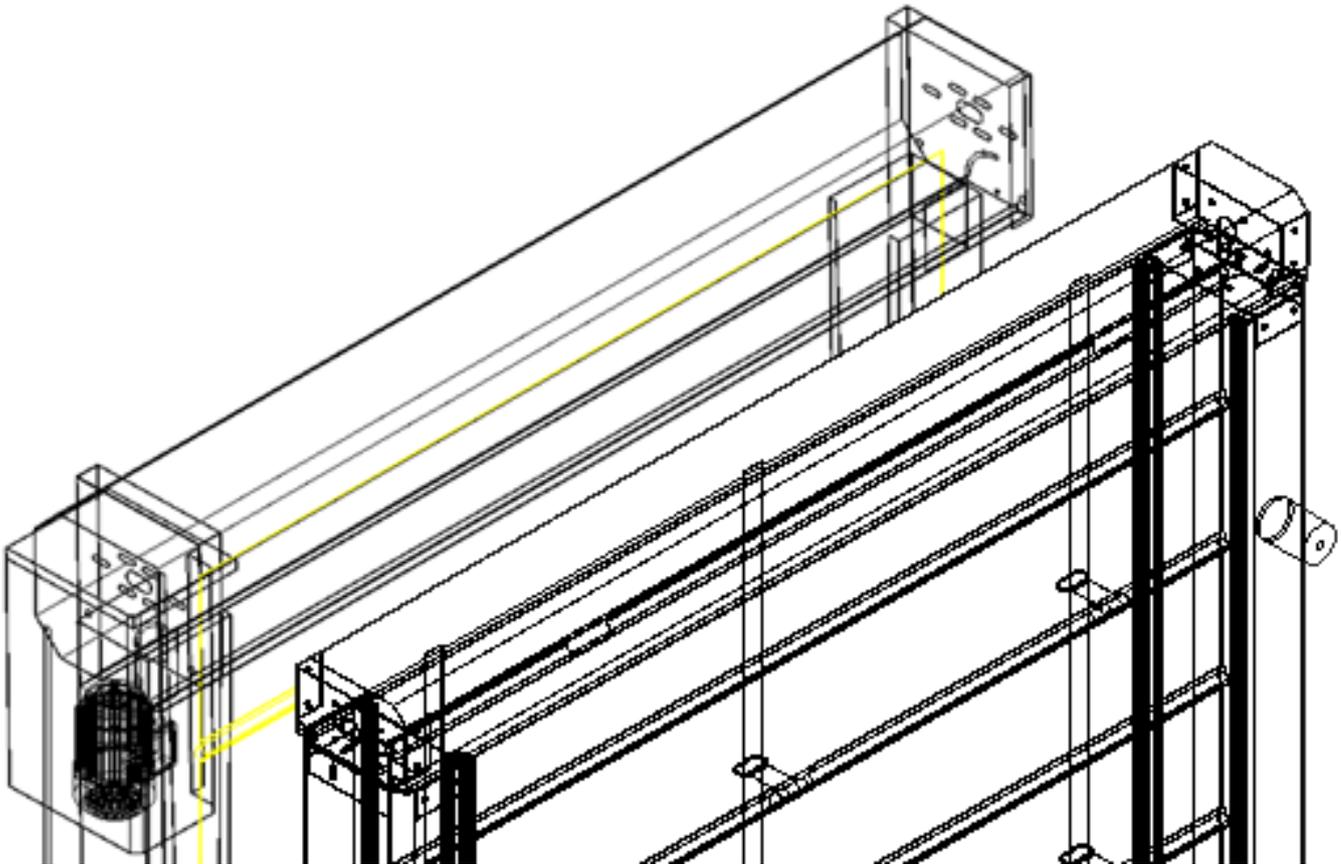




# B.M.P. S.r.L. INDUSTRIAL RAPID DOORS

Web site : [www.bmpitalia.it](http://www.bmpitalia.it) e-mail : [info@bmpitalia.it](mailto:info@bmpitalia.it)

## PACK - ROLL



## USE AND MAINTENANCE MANUAL



UNI EN 13241-1 : 2

- Read this manual carefully before installing the product.
- The service of installation must be performed only by authorized personnel and in accordance with national wiring standard.
- After reading the entire manual, keep it for future reference.

# CE DECLARATION OF CONFORMITY

## Company

**BMP s.r.l.**

with head office in

Via Torino, 64/ter

12040 VEZZA D'ALE

under their resp

**Type**

**Model**

**Register**

**Year of constructio**

**Customer**

In conformity with dir

harmonized **EN 1324**

By the institute notifi

It i also in line witht

machinery derective

UNI EN 12100:2010

ned principles

CEI EN 60204-1

Machine safety . Electrical equipment of machines

part 1° : general rules

DIRECTIVE  
2004/108/CE

DIRECTIVE  
2006/95/CE

**FACSIMILE**

BMP S.r.L. is the exclusive owner of this document – Reproduction and distribution without written permission is forbidden.



### INTRODUCTION

Congratulation to have bought our industrial door.

This product is the result of studies, research and long experience. It had rigorous control to assure you an excellent performance in the years.

Read carefully this manual before using the door. In this way you can use it correctly and safely. In the manual there are the main data and the necessary instruction to the use and maintenance.

In the problem solving table you can find a lot of solutions to common problems; so often is not necessary to call customer service.

All worker that use the door and maintenance personnel have to read carefully this manual.



### WARNINGS

- Contact the authorized service to make maintenance or repair the door.
- Contact the installer to install the door.
- Children or disabled can not use the door alone.
- Only authorized personnel can install the door and in accordance with national wiring standard.

### TERMS AND DEFINITIONS

Terms and definitions of EN 1070, EN 12433-1 ed EN 12433-2.

**Professional installer:** person or competent organization that offers installation including improvement.

**Competent person :** suitably educated person that can correctly install and maintain the door.

**Register :** book that contains general data related to a specific door and have an adequate space where register the result of inspection, testing, maintenance and any repair or modification to the door.

**Improvement components :** components such as motors, control units, security device, installed on an existing door to improve motorized operation.

**Owner :** natural or legal person that has the door and that is responsible for its operation and use.

**Maintenance :** all operation (check, lubrication, cleaning, ecc.) sufficient to ensure correct and safe operation of the door and its component after installation. Maintenance includes adjustments, repair or replacement for usury or accidental distruction, of components not fundamental for the door.

Maintenance operation are not:

- replacement of major component although with identical component;
- replacement/modernization of the product.

**Preventive maintenance :** all measures necessary to ensure safe and correct operation of the door.

**Failure :** it is limited or impossible using the door.

### PURPOSE

The purpose of this manual is to provide adequate information to the owner, the company that maintains and any other qualified and authorized personnel, regarding the use and maintenance of the door, being careful to the possible risks related to their failure.

This manual informs on its use and basic maintenance and provide indication in the event of failure or emergency situations.

It defines the operation for correct maintenance in accordance with all safety rules.

Any other operation (adjustment, maintenance, repairs) on the door must be performed by qualified person.

The door is installed in accordance with the rules of good practice.

Installation is in accordance with the installation instruction

After installation have been successfully passed all the tests of the component of the door

The door can be used only if it has been affixed the CE marking with CE Declaration of Conformity draw up and signed by the producer

The door can be dangerous or do not work correctly if you do not respect the rules in this manual.

The warranty will be void if not authorized person disassemble or modify the door.

Producer and installer are not responsible for any damage caused by failure to comply of the rules in this manual.

BMP s.r.l. disclaims any responsibility for damage caused by a door disassembled or modified by not authorized person or a door used different purposes than those for which it was designed.

Maintenance must be performed by a specialized maintenance company as specified by installer.

Any modification and replacement of parts must be recorder in the appropriate section of this manual.

Only original spare parts can provide full security and functionality.

### INTENDED USE

The industrial doors are designed and manufactured to be installed in both external and internal industrial access.

The use must be for a limited number of authorized person.

Beside the door used for vehicle, when the passage of pedestrian is not safe, there must be pedestrian doors.

The industrial doors must be used respecting safety rules.

### SAFETY INSTRUCTION

To prevent injury, follow the instruction below.

Incorrect use, caused by failure to follow instruction, can cause damage or injury

Please note that the sticker on the doors are a part of this manual and show warnings and safety message and should not be removed or damaged

The importance is so classified:

### WARNINGS

This symbol indicates the possibility of death or serious injury.

### ATTENTION

This symbol indicated the possibility of injury or damage.

 WARNINGS	
<b>Do not disassemble or try to repair the door.</b> Contact service center.	<b>The door must be grounded.</b> This will prevent fire or electric shock
<b>Keep away flammable or explosive materials from the door.</b> Otherwise it can cause fire or damage the door.	<b>Do not install the door in places with a risk of flammable gas leak.</b> Otherwise it can cause an explosion or fire.
<b>Do not install the door on faulty installation support.</b> Otherwise it can cause damage or injury.	<b>Unpack and install the door carefully.</b> Sharp edges can cause injury.

## Operating instructions

<p><b>For the installation always contact the seller, service center or follow the instruction.</b> Otherwise it can cause fire, electric shock or injury.</p>	<p><b>For electrical connection always contact the seller, service center or follow the instruction.</b> Otherwise it can cause fire, electric shock or injury.</p>
<p><b>Always install a circuit breaker and a master switch.</b> Failure to install can cause fire or electric shock</p>	<p><b>In case of abnormal noise, odor or smoke coming from the door turn off the circuit breaker and disconnect the power.</b> Otherwise it can cause fire, electric shock or injury.</p>
<p><b>Do not step on or place objects on the door.</b> Otherwise it can cause injury or damage the door.</p>	<p><b>Do not turn off the circuit breaker or disconnect the power during operation.</b> Otherwise it can cause fire or electric shock.</p>
<p><b>Do not wet the electrical parts.</b> . Otherwise it can cause fire, electric shock or damage the door</p>	<p><b>Do not allow children to play with control device. Keep the remote control out of children.</b> Otherwise it can cause damage or injury</p>

 <b>ATTENTION</b>	
<p><b>Do not transport the door yourself or by hands.</b> Otherwise it can cause damage or injury</p>	<p><b>Turn off the power before working on the door.</b> Otherwise it can cause fire or electric shock.</p>
<p><b>Do not put object around the door.</b> Otherwise it can cause injury</p>	<p><b>During installation do not get on instable object.</b> Otherwise it can cause personal injury</p>

## RISCHI RESIDUI

USE	RISCK	PREVENT
<b>MECHANICAL RISCKS</b>		
Form	Not Present	/
Failure to the mechanical resistance	Determination wind resistance class	
Crush risk	During door installation	Instruction inside the manual
Cut risk	During door installation	Instruction inside the manual
<b>ELETTRICAL RISK</b>		
Electric shock risk	/	Electrical transmission comply with the rules
<b>MATERIAL AND PRODUCT RISK</b>		
Risk to contact or inhalation of harmful fluids, gases, mists, fumes and dust.	Not present	/
Dangerous poses or excessive strain	Not present	/

## NOISE

The sound pressure level produced by the industrial door was measured and valued simulating the operation of the door in the factory and it is  $< 70$  dB(A).

This was measured respect to an operator with control board on the side of the door.

The door noise level changes with:

- Condition of use (place, disposition, ecc.)
- Status of efficiency
- Dimensiono f the door

## DISPOSAL

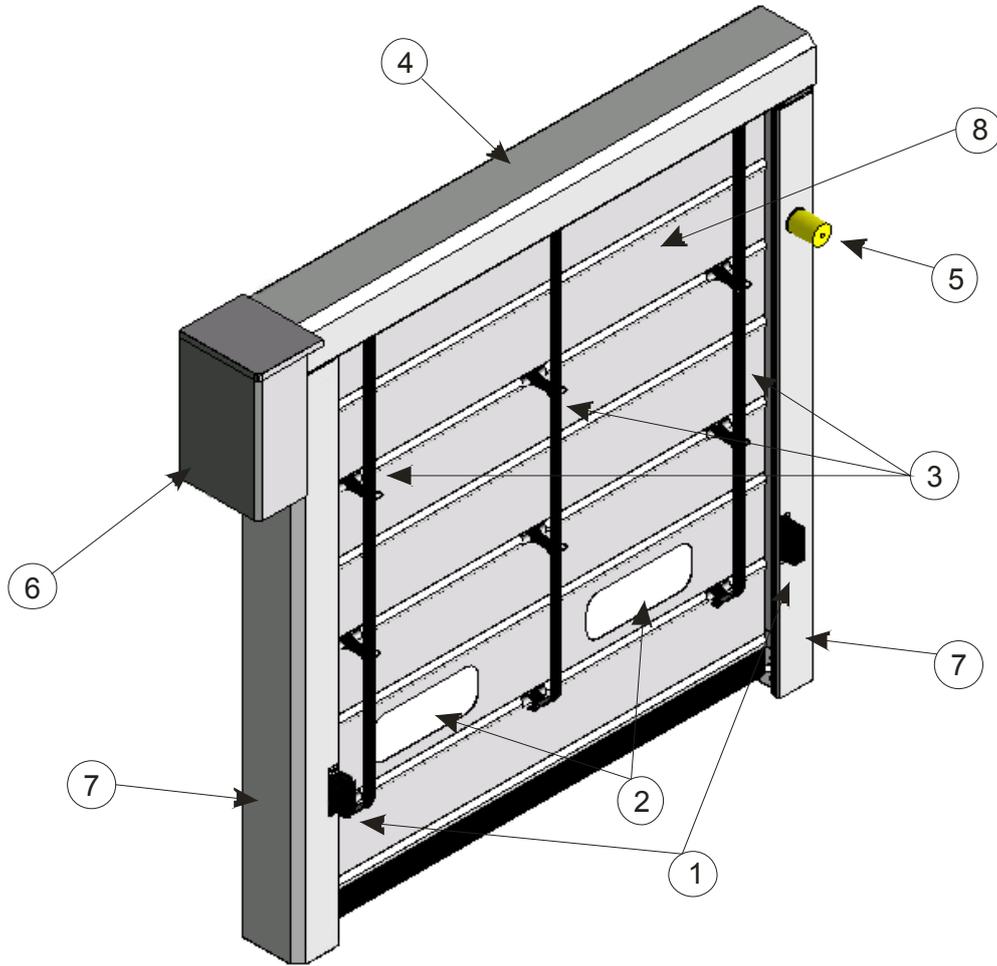
In case of disposal of the door the owner must differentiate its part.

This can be done by specialized companies authorized to transport and recycling as required by local rules.

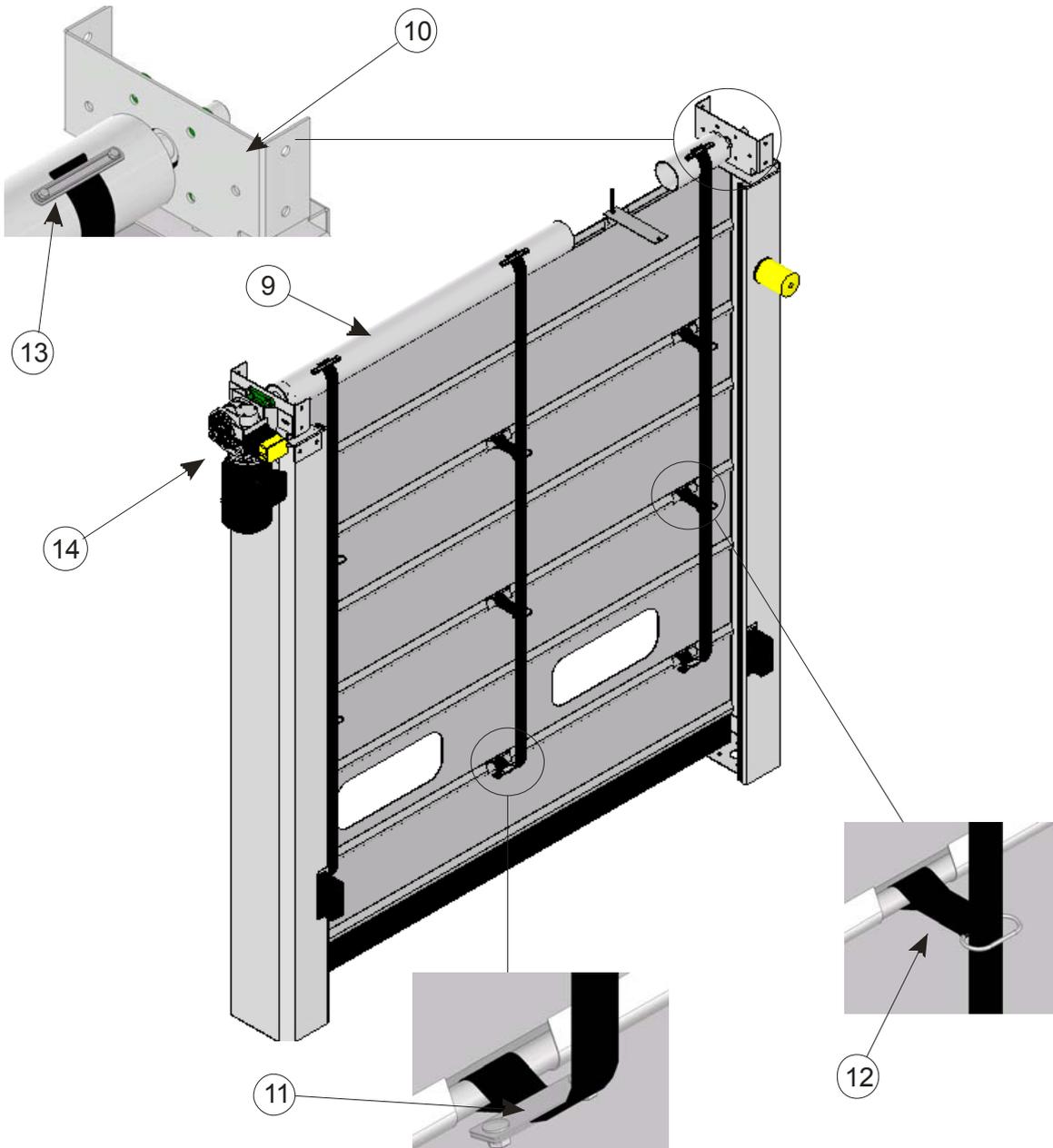
**WARNING: do not leave the wreckage of the door in the environment, this is a serious danger for environment and people.**

## DESCRIPTION OF COMPONENT

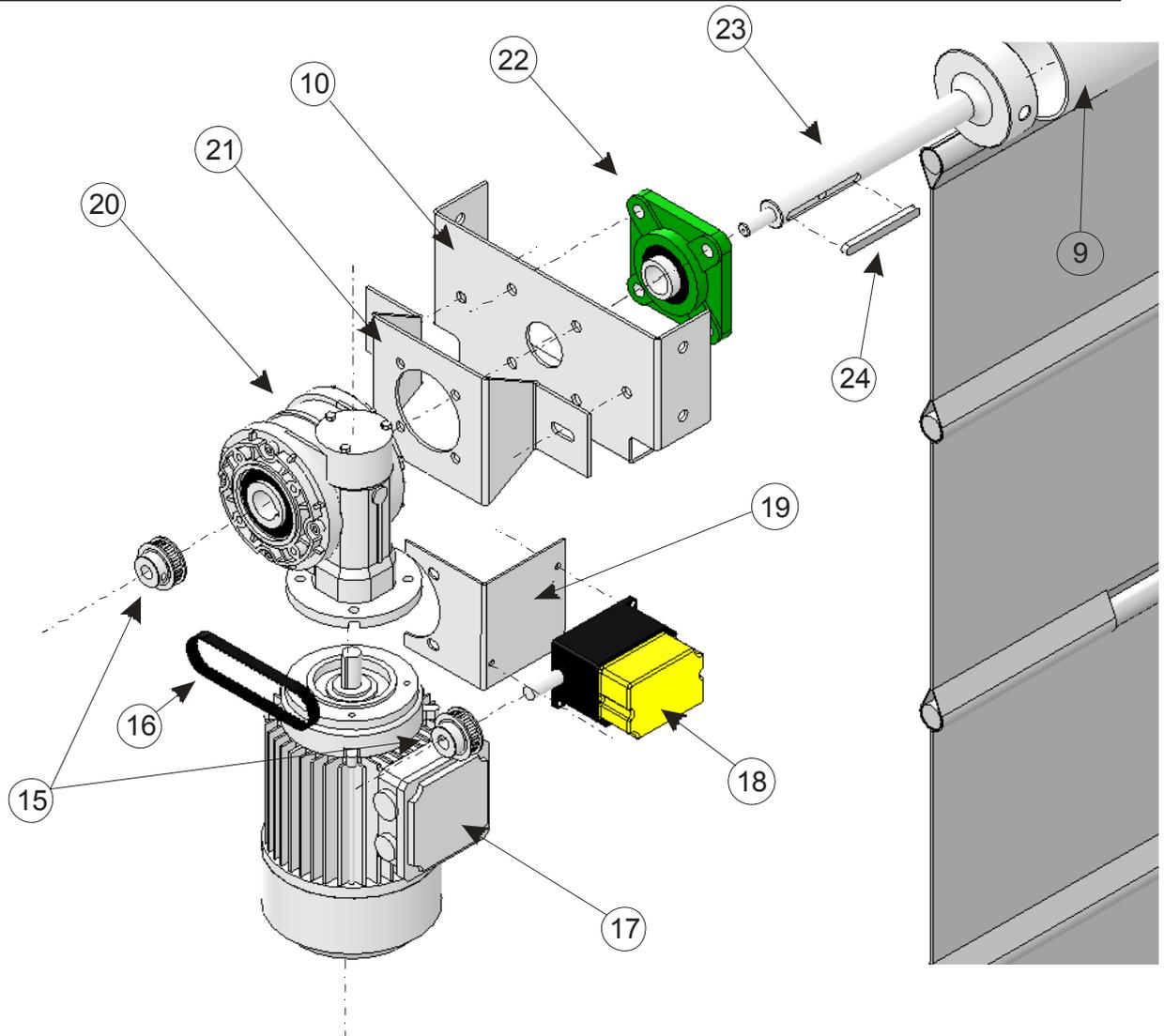
### - PACK WITH SIDE-MOUNTED MOTOR



1	Photocell	5	Flashing light
2	Porthole	6	Motor cover
3	Straps	7	columns
4	Crossbar	8	PVC curtain

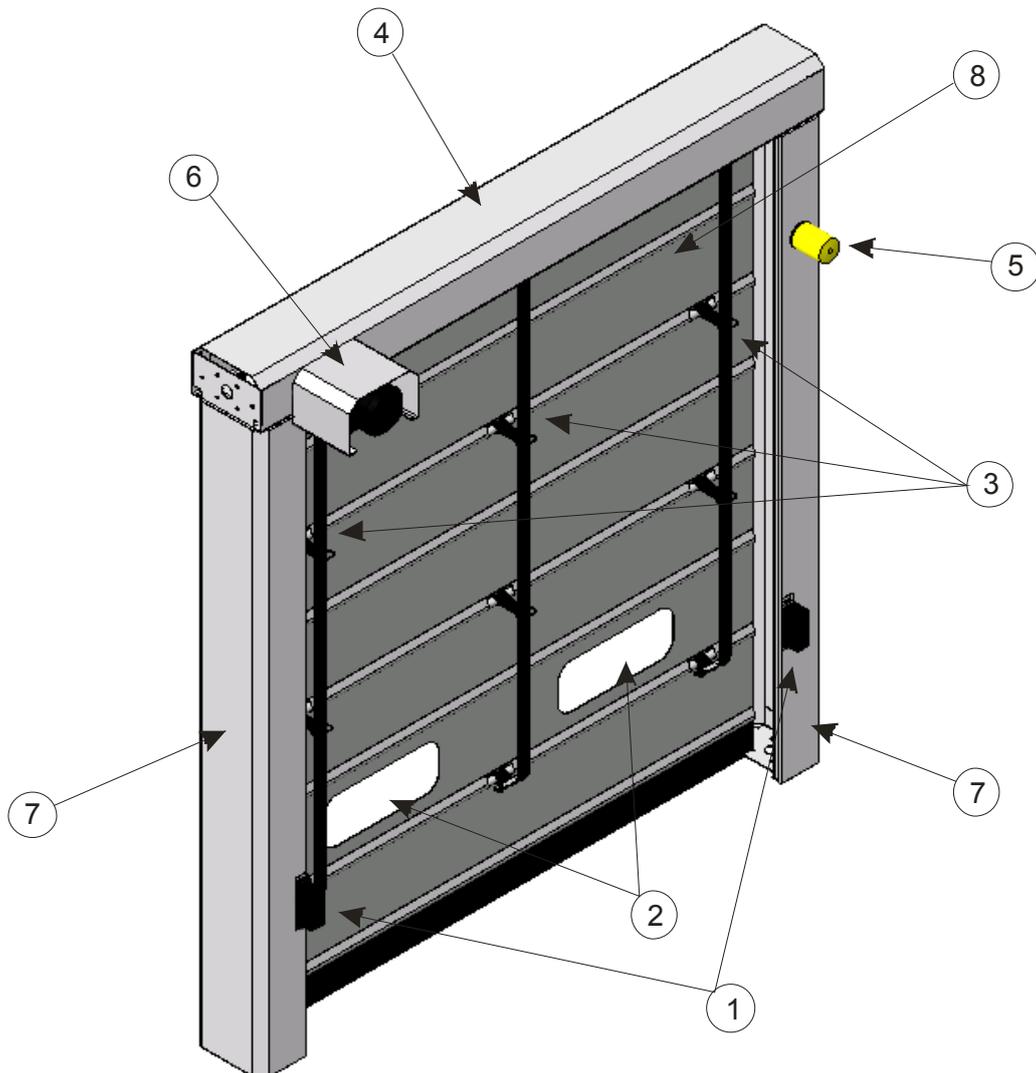


9	Ruller tube	12	Strap
10	Side plate	13	Fixing straps
11	Strap plates	14	Motor

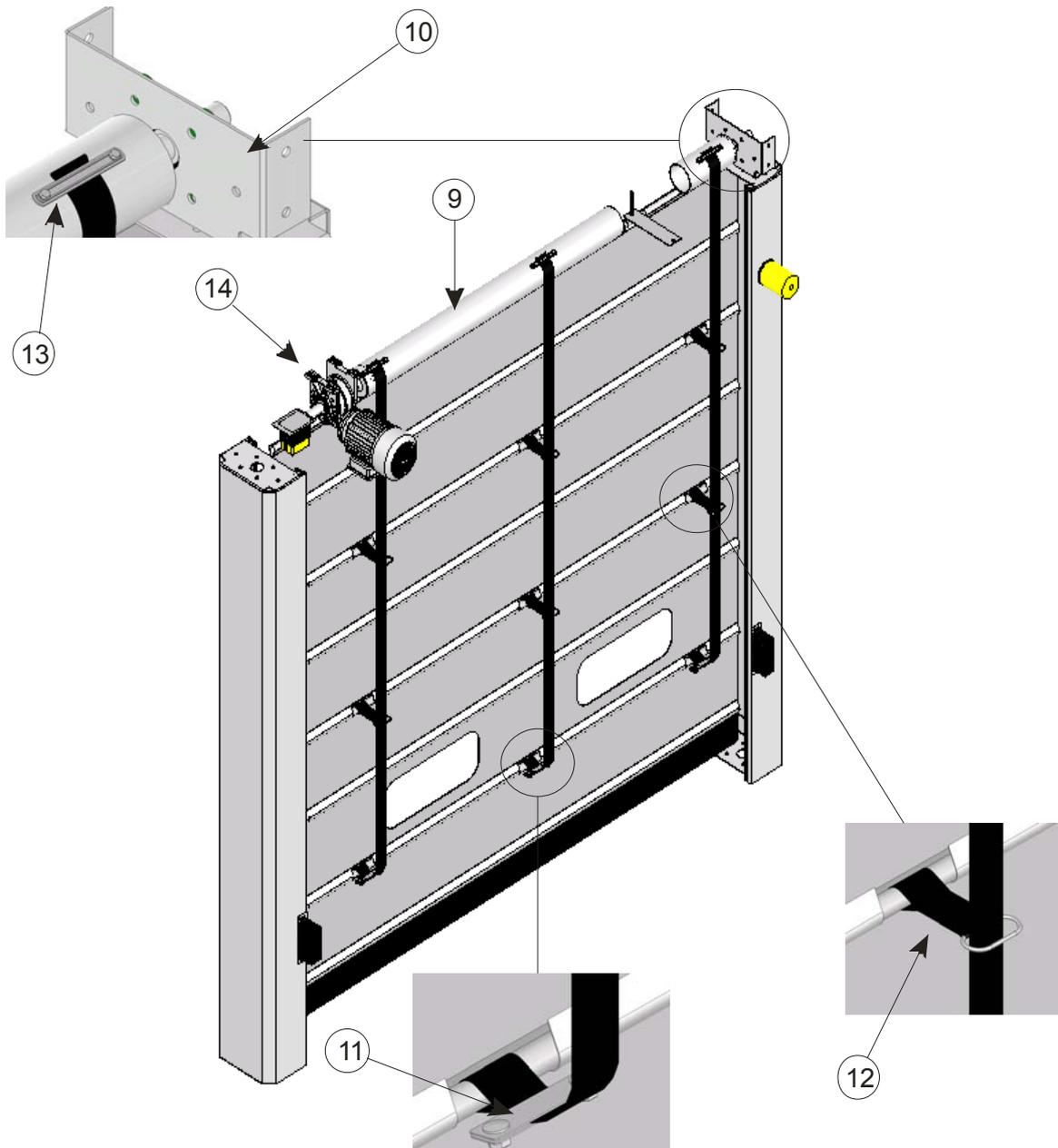


9	Roller tube	19	Limit switch support
10	Side plate	20	Adapter
15	Pulley	21	Motor plate
16	Toothed belt	22	Bearing
17	Motor	23	Shaft
18	Limit switch	24	Key

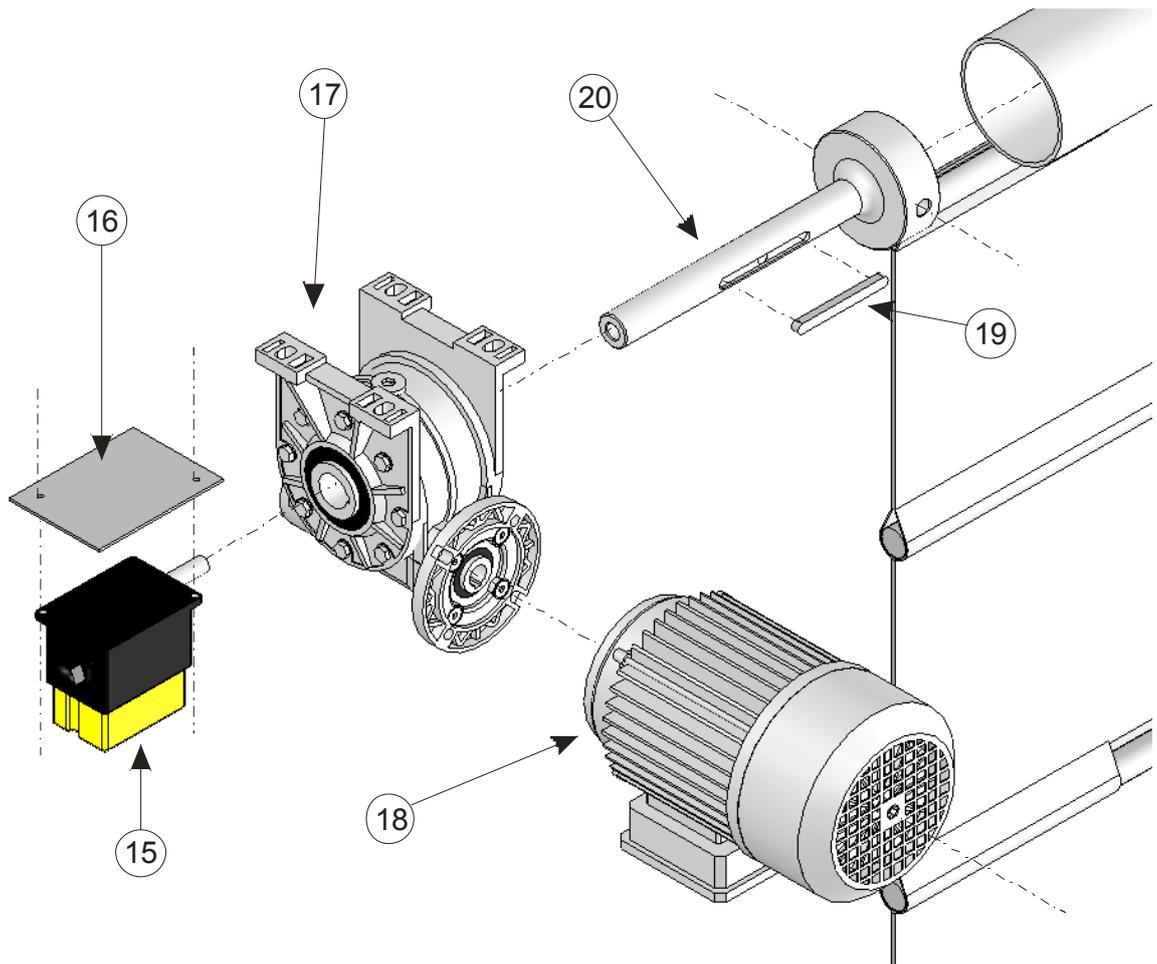
- PACK WITH FRONTAL MOTOR



1	Photocell	5	Flashing light
2	Porthole	6	Motor cover
3	Straps	7	Columns
4	Crossbar	8	PVC curtain

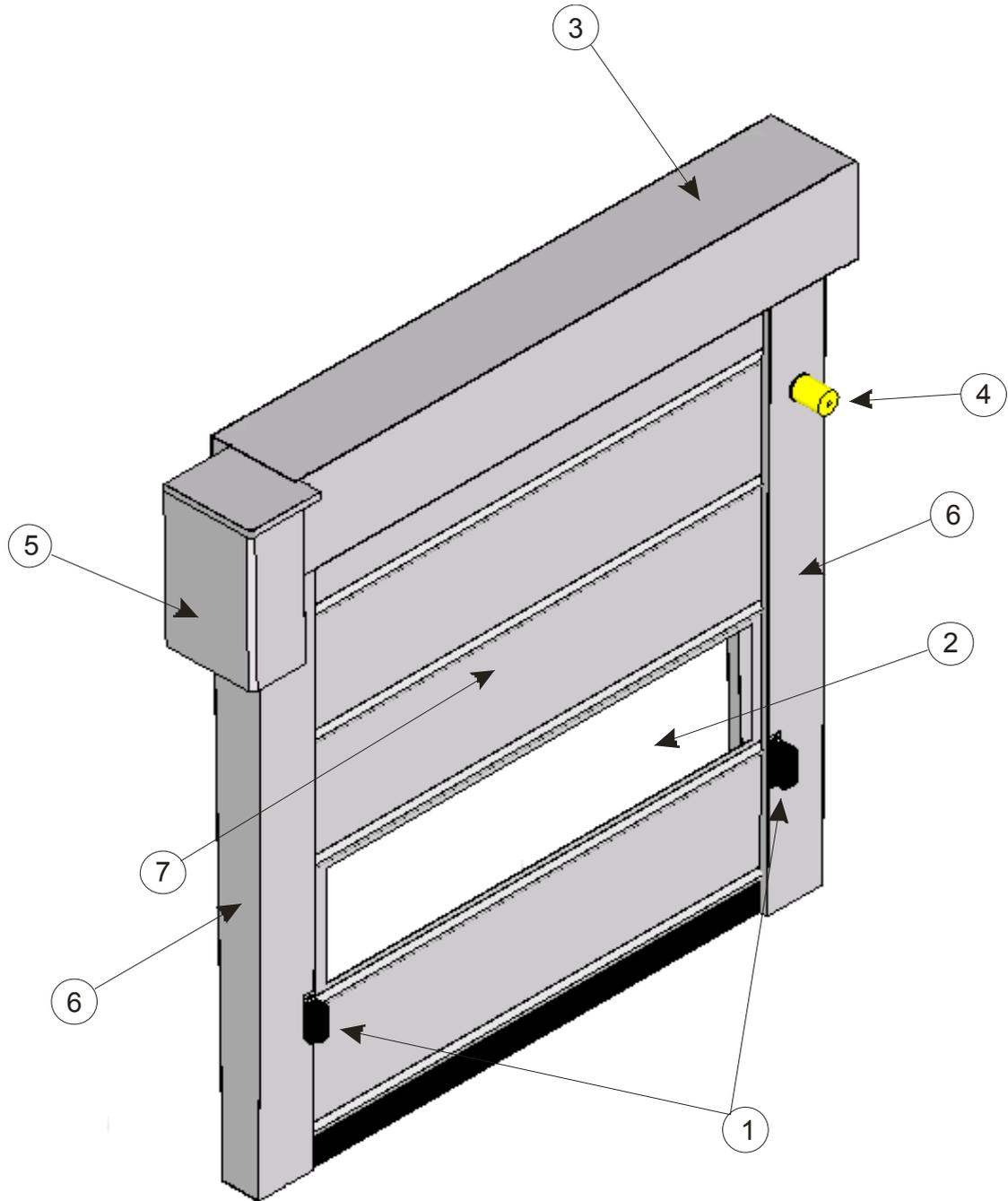


9	Roller tube	12	Strap
10	Side plate	13	Fixing straps
11	Straps plate	14	Motor

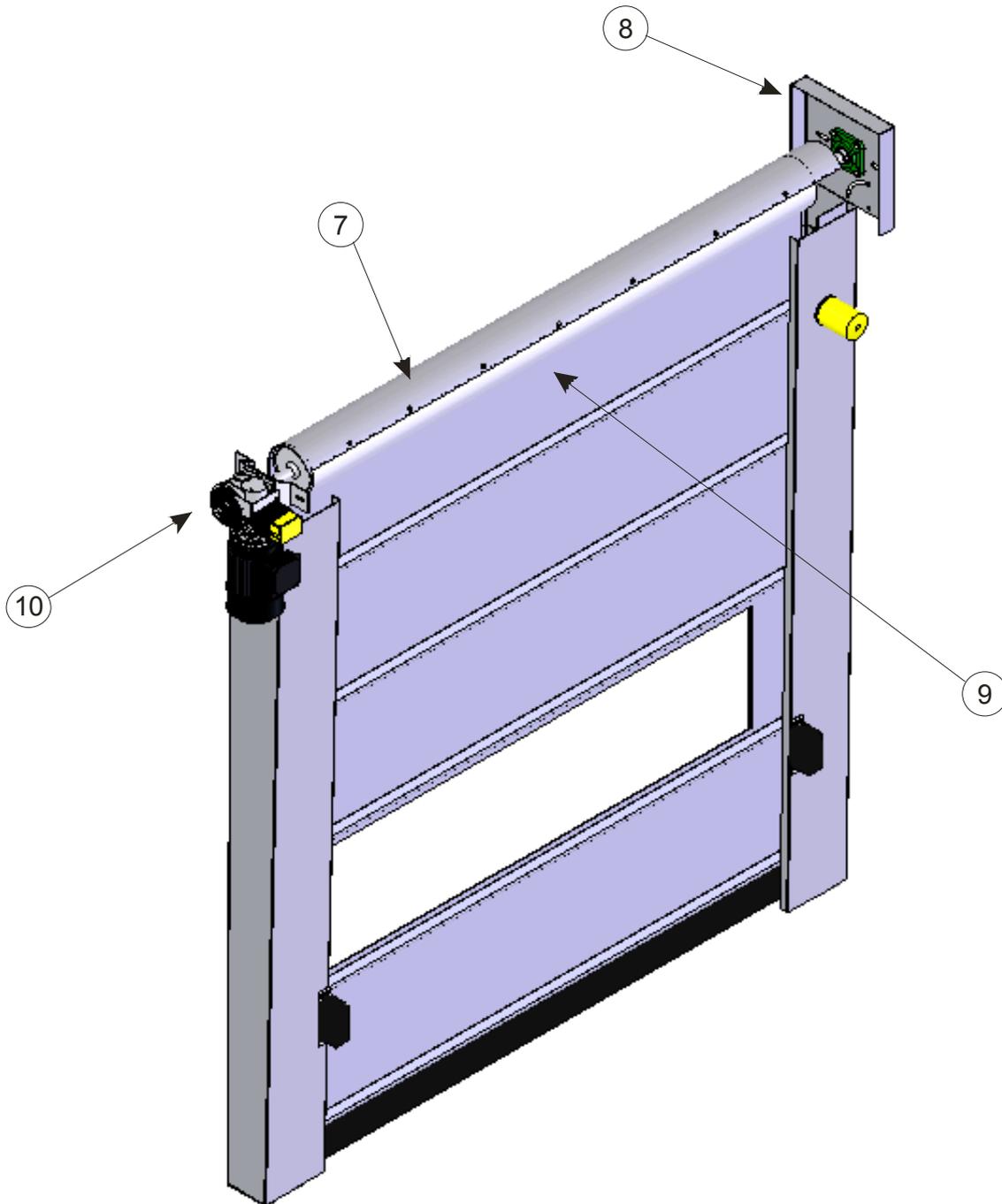


15	Limit switch	18	Motor
16	Limit switch support	19	Key
17	Adapter	20	Shaft

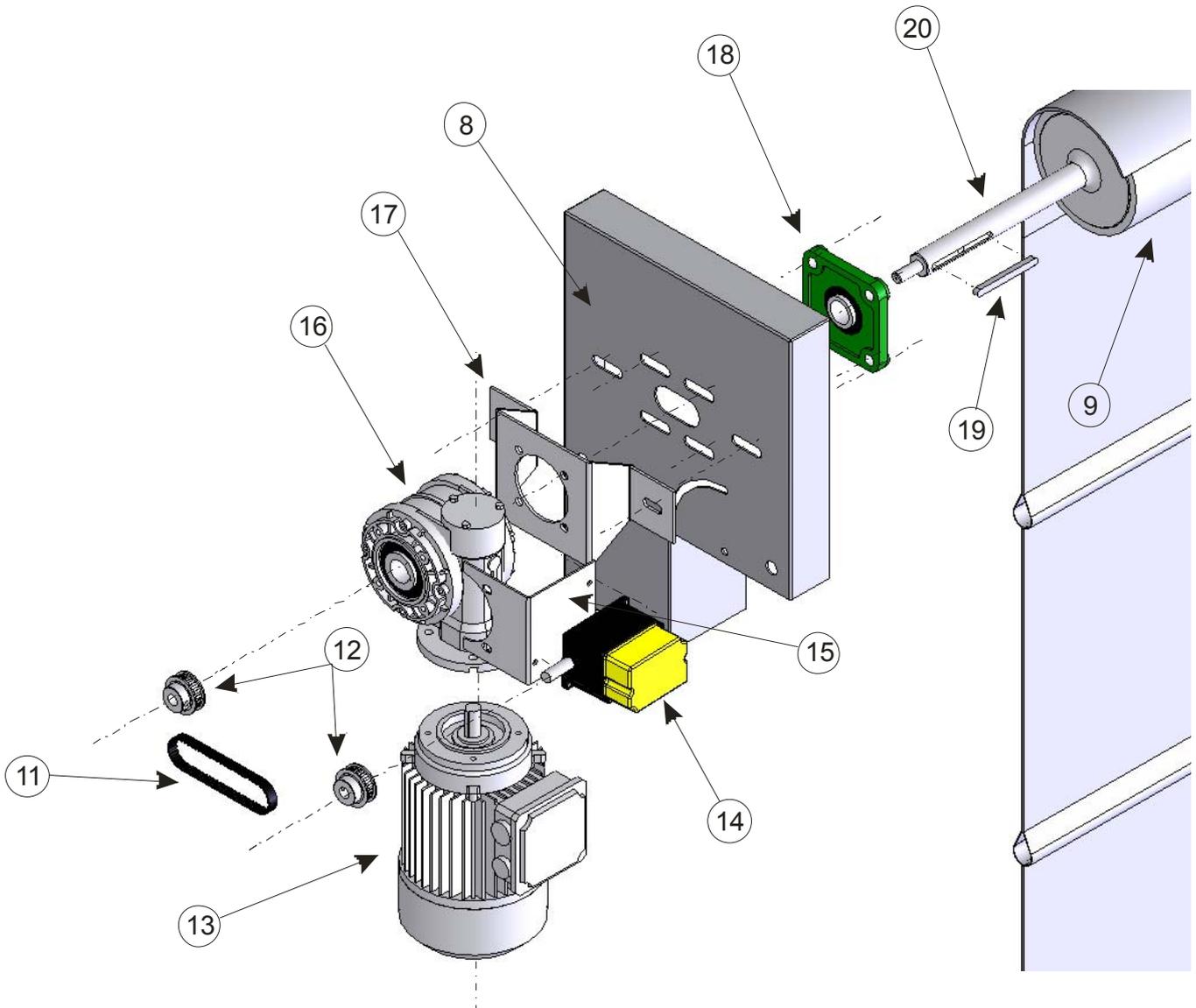
- **ROLL WITH SIDE MOUNTED MOTOR**



1	Photocell	5	Motor cover
2	Window	6	Column
3	Crossbar	7	PVC curtain
4	Flashing light		

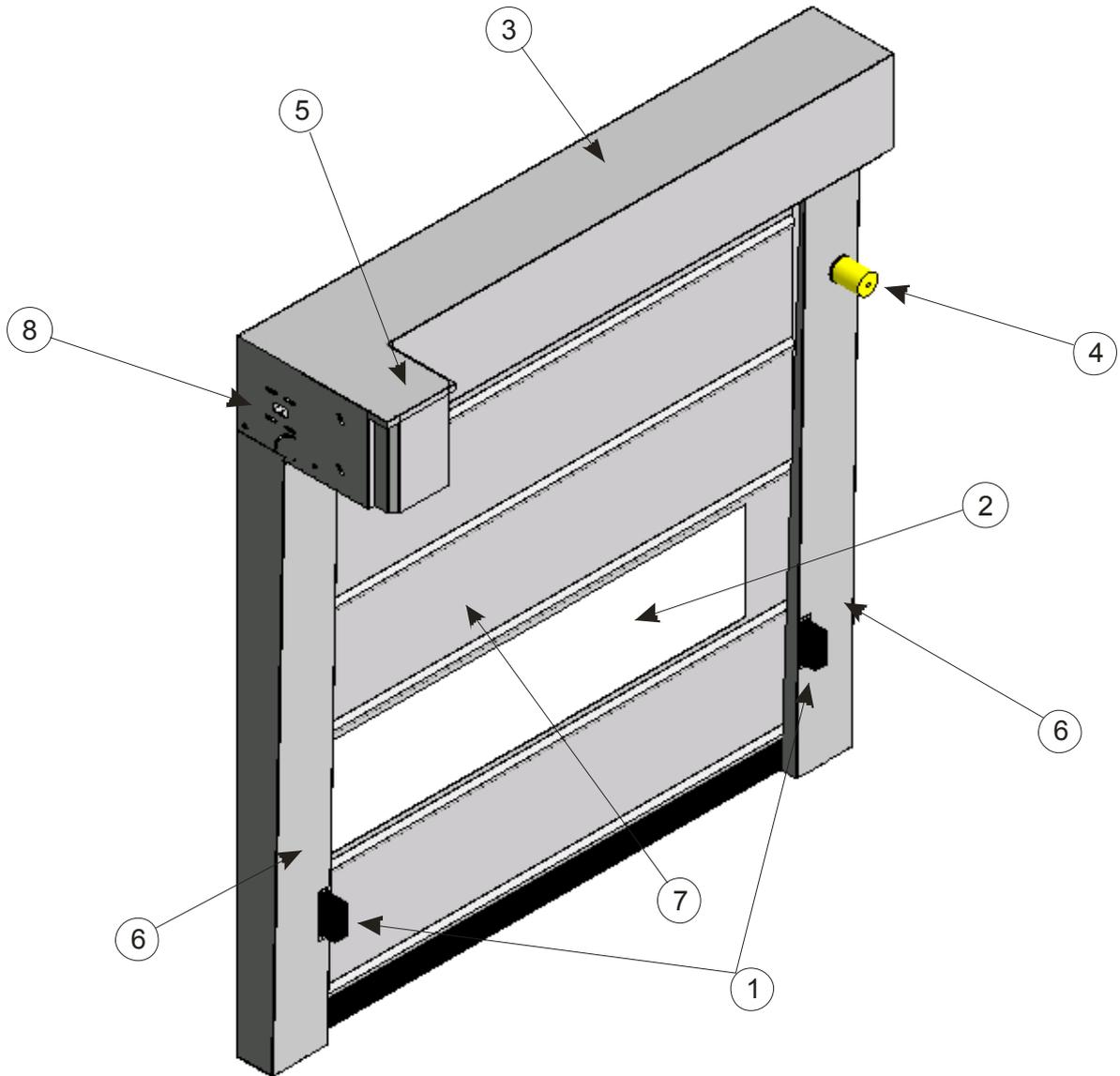


7	PVC curtain	9	Rollen tube
8	Side plate	10	Motor

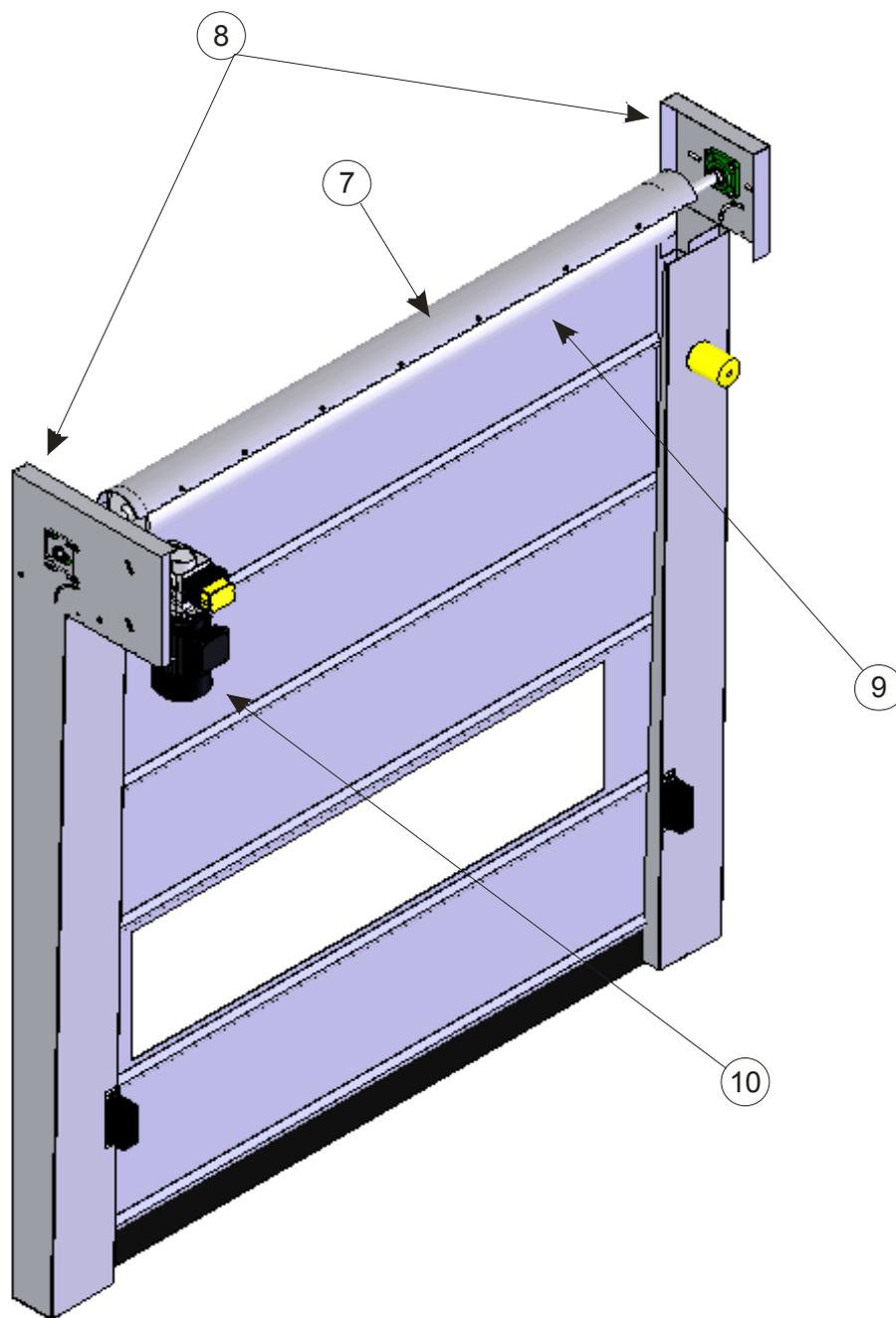


8	Side plate	15	Limit switch support
9	Roller tube	16	Adapter
11	Toothed belt	17	Motor plate
12	Pulley	18	Bearing
13	Motor	19	Key
14	Limit switch	20	Shaft

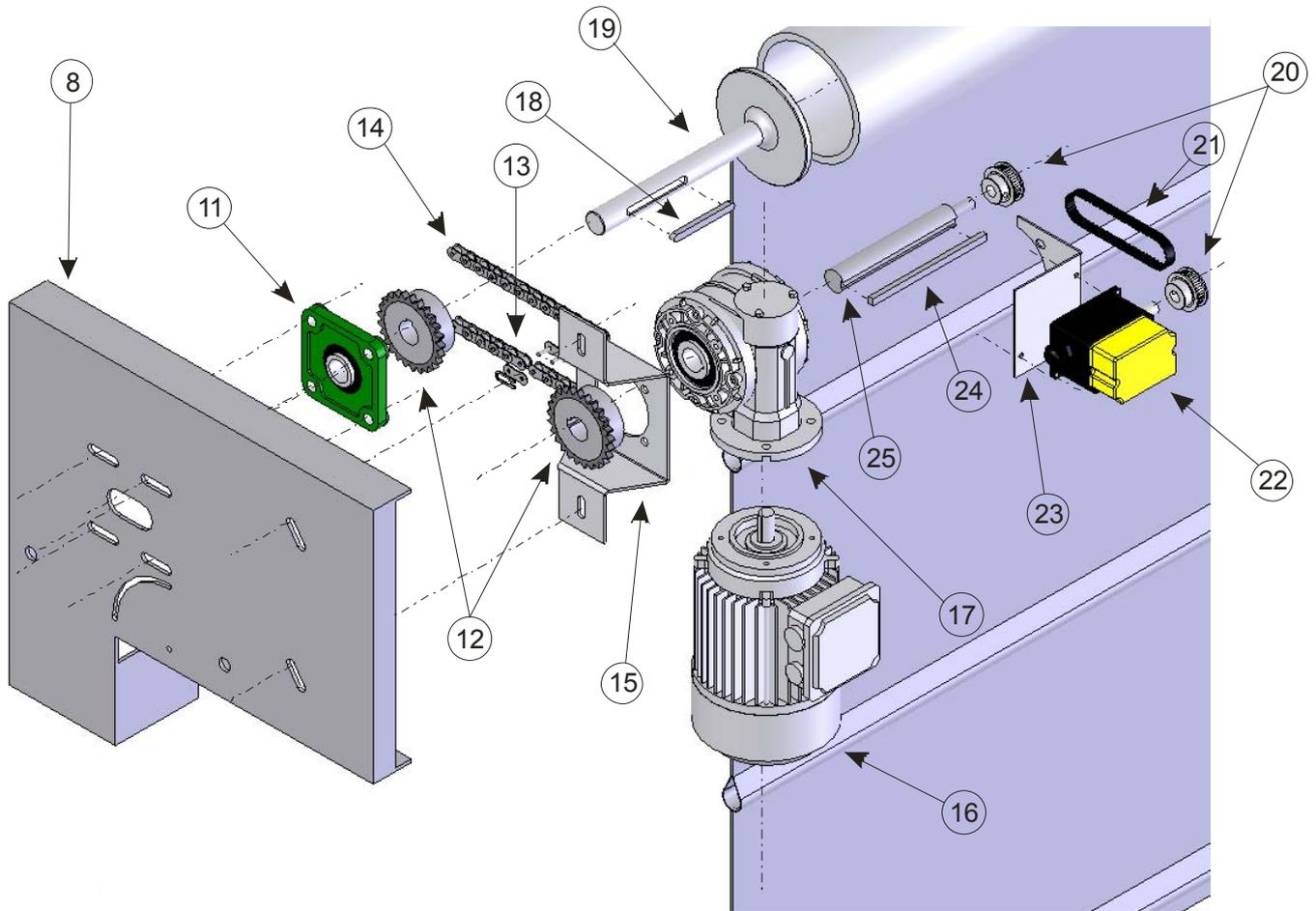
- ROLL WITH FRONTAL MOTOR



1	Photocell	5	Motor cover
2	Window	6	Column
3	Crossbar	7	PVC curtain
4	Flashing light	8	Side plate



7	PVC curtain	9	Ruller tube
8	Side plate	10	Motor



8	Side plate	18	Key
11	Bearing	19	Shaft
12	Cogwheel	20	Pulley
13	Chain link	21	Toothed belt
14	Chain	22	Limit switch
15	Motor plate	23	Limit switch support
16	Motor	24	Key
17	Adapter	25	Low speed shaft

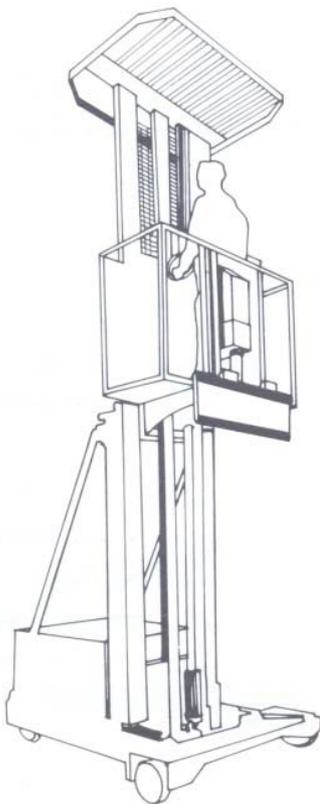
## INSTALLATION

### **INSTALLATION INSTRUCTION**

- Always use a power circuit specifically dedicated to the door. For wiring follow the manufacturer's instructions.
- Tighten the screws of the electrical terminals to prevent loosening.
- Make sure the power source has the required capacity.
- Make sure the thickness of the cable conforms to what is stated in the specification of the power source.
- Never install a differential circuit breaker in wet or damp areas.

### EQUIPMENT NEEDED

1	Flexometer	10	Level
2	Suitable lifting equipment (stairs elevator, ecc.)	11	Set of allen keys (17 mm, 13 mm, 10mm, 8 mm)
3	Screwdriver set	12	Tester
4	Iron drill	13	Hammer
5	Hammer drill	14	Cordless screwdriver
6	Drill bits (iron and concrete)	15	Grinder
7	Scissors	16	Silicone gun
8	Stripping cable	17	Pliers
9	Vices		

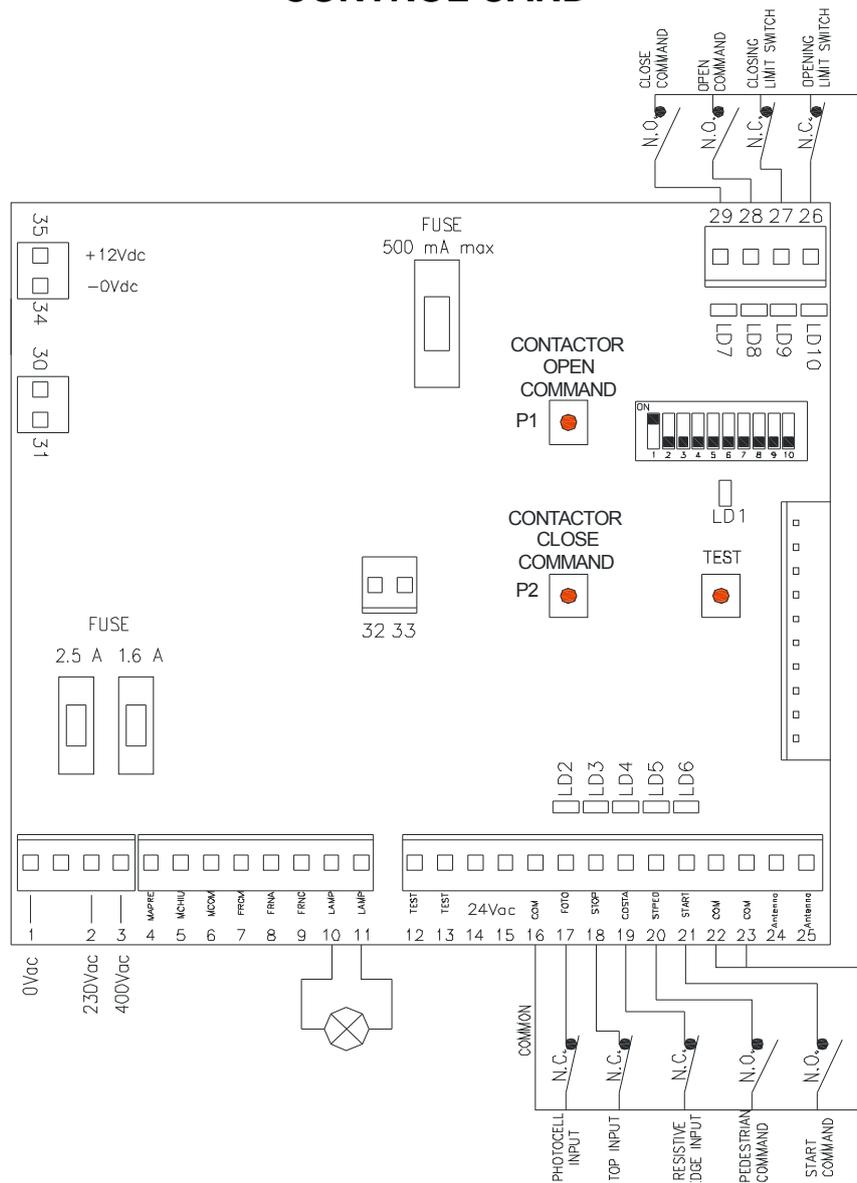


Elevator



Forklift

## CONTROL CARD



**TERMINAL 32-33 IF THERE ARE JUMPED THE AUTOMATIC CLOSURE IS NOT POSSIBLE**

## SIGNAL LED

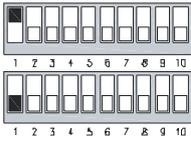
LD 2	PHOTOCELL	ON = OK			
LD 3	STOP	ON = OK			
LD 4	RESISTIVE EDGE	ON = OK			
LD 5	PEDESTRIAN	OFF = OK			
LD 6	START	OFF = OK			
LD 7	OPENING LIMIT SWITCH	CLOSED DOOR	ON	OPENED DOOR	OFF
LD 8	CLOSING LIMIT SWITCH		OFF		ON
LD 9	OPEN BUTTON	OFF = OK			
LD 10	CLOSE BUTTON	OFF = OK			

**CARD TERMINAL**

0 Vac	1	0 Vac
230 Vac	2	Power supply 230 Vac 50 Hz
400 Vac	3	Power supply 400 Vac 50 Hz
Open contactor	4	Output to connect contactor open terminal
Close contactor	5	Output to connect contactor close terminal
Common contactor	6	Output to connect contactor common terminal
Common brake	7	COMMON BRAKE
Brake N.O.	8	BRAKE normally OPEN (negative) (standard)
Brake N.C.	9	BRAKE normally CLOSE (positive) (with counterweight)
Flashing light	10	Output for flashing light 230 Vac, lamp max 100 W
	11	
Contact potential 0	12	Contact potential 0 (N.C. on closing limit switch)
	13	
24 Vac	14	Output 24 Vac max 500 mA
	15	
Common	16	Common for all inputs: accessories, safety
Closing photocell	17	Inputs photocell (only in closing)
Stop	18	Stop input
Resistive edge	19	Safety resistive edge input
Pedestrian	20	Pedestrian inputs
Start	21	Start inputs
Common	22	Common for all inputs
Common	23	Common for all inputs
Common	24	Screen aerial cable
Aerial	25	Radio aerial positive pole
Opening limit switch	26	Input opening limit switch
Closing limit switch	27	Input closing limit switch
Open	28	Opening contact for radar, magnetic loop, rope switch, remote control (present man if DIP 3 ON)
Close	29	Close contact (present man se DIP 10 ON)
Contact potential 0	30	N.C. opening limit switch
	31	
Automatic closing excluded	32	If jumped it excludes automatic closing (step by step mode)
	33	
12Vdc	34	(-) output 12Vdc max 300 mA
	35	(+) uscita 0Vdc max 300 mA

## DIP-SWITCH SETTING

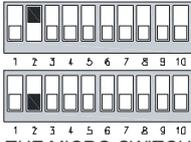
THE MICRO SWITCH 1 SET START AND PEDESTRIAN



1-ON OPENING OVERRIDE COMMAND; CLOSING REVERSE; IN PAUSE RECHARGE BREAK TIME; EXECUTE THE AUTOMATIC CLOSING.

1-OFF BOTH OPENING AND CLOSING STOP THE MOTORS AND REVERSE RUN TO THE NEXT COMMAND; EXECUTE THE AUTOMATIC CLOSING.

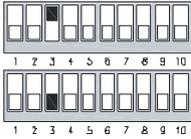
THE MICRO SWITCH 2 SET CONTACT POTENTIAL 0 30-31 WHEN THE DOOR ARRIVE ON OPENING LIMIT SWITCH.



2-ON CONTACT POTENTIAL 0 30-31 CLOSED.

2-OFF CONTACT POTENTIAL 0 PULITO 30-31 OPENED.

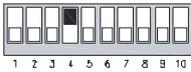
THE MICRO SWITCH 3 SET OPENING PRESENT MAN.



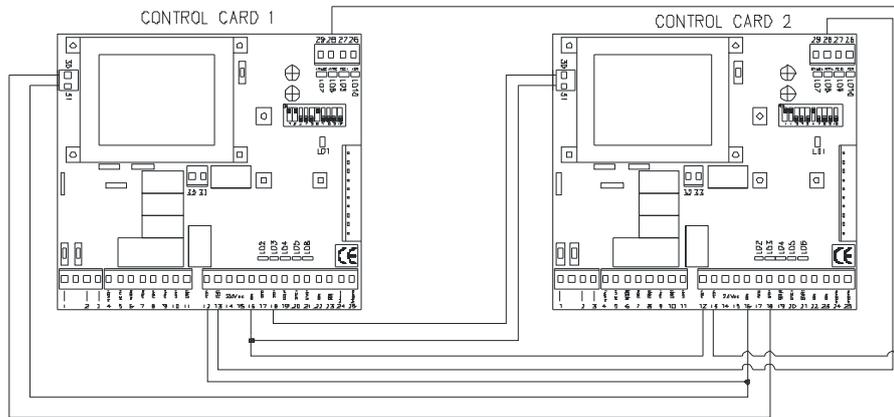
3-ON ENABLE INPUT 28 OPENING PRESENT MAN.

3-OFF INPUT 28 OPEN.

THE MICRO SWITCH 4 SET THE INTERLOCK.



4-ON ENABLE THE INTERLOCK.

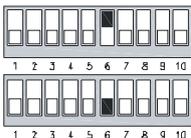


THE MICRO SWITCH 5 SET START AND PADESTRIAN TIMES.



5-ON ENABLE SETTING START AND PEDESTRIAN TIME.(READ PROGRAMMING SEQUENCE)

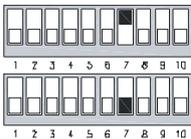
THE MICRO SWITCH 6 SET CONTACT POTENTIAL 0 12-13 WHEN THE DOOR ARRIVE ON CLOSING LIMIT SWITCH.



6-ON CONTACT POTENTIAL 0 12-13 CLOSED (N.C.)

6-OFF CONTACT POTENTIAL 0 12-13 OPENED (N.O.)

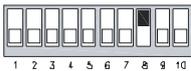
THE MICRO SWITCH 7 SET THE INTERLOCK



7-ON MANUAL INTERLOCK.(WITH INTERNAL COMMAND OPENING)

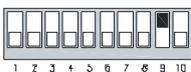
7-OFF AUTOMATIC INTERLOCK.(WITHOUT INTERNAL COMMAND OPENING)

THE MICRO SWITCH 8 SET THE RESISTIVE EDGE.



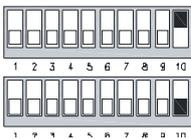
8-ON ENABLE EXCLUSION RESISTIVE EDGE INPUT.

THE MICRO SWITCH 9 SET PHOTOCELL INPUT.



9-ON ENABLE EXCLUSION PHOTOCELL INPUT.

THE MICRO SWITCH 10 SET CLOSING PRESENT MAN.



10-ON ENABLE INPUT 29 CLOSING PRESENT MEN.

10-OFF INPUT 29 CLOSE.

### OPERATION

This is a vertical operation high speed door with PVC curtain.

With the door are provided:

Opening system (N.O.):

- Green button on control board and a green button in the opposite side to the control board, when pressed they open the door.

Security system (N.C.):

- Emergency red button on the control board it stop immediately the door if pressed.
- Photocell to 40/50cm from the floor, it stop and reverse the door in closing if interrupted.
- A safety sensor near roller tube, it controls curtain wrapping and it stop the curtain if during the closure curtain support on an obstacle.

### CONTROL CARD OPERATION MODE

#### - AUTOMATIC CLOSING ADJUSTABLE (\*)

This system allow to open the door with START command and adjustment of pause time for automatic closing.



To enable this mode of operation position the **dip switch 1 on ON**

(\*)Factory mode operation

#### - STEP BY STEP

This system allow to open the door pressing START button ( terminal nr. 28).

The door closes after pressing again START button ( terminal nr 29).

To enable this mode of operation jumper terminal 32 and 33 in the control card and position **dip switch 1 on OFF**

**WARNING!!! THIS LOGIC DO NOT EXECUTE THE AUTOMATIC CLOSING**

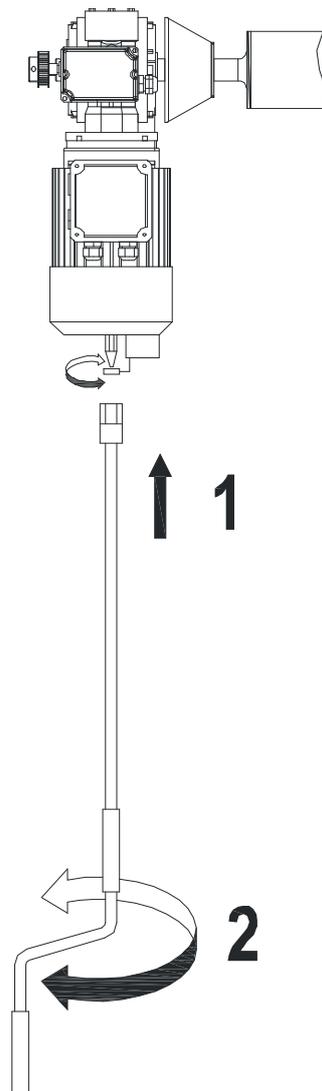
#### PRESENT MEN

This logic allow to open the door holding open button (terminal nr.28),

To close the door you have to hold close button (terminal nr. 29)

**WARNING!!! THIS LOGIC DO NOT EXECUTE THE AUTOMATIC CLOSING**

**MANUAL OPERATION**



## PERIODICAL CHECKS AND MAINTENANCE

### SAFETY GENERAL RULES

- Before any intervention the maintenance man must:
  - Delimit the intervention area and affix the right signs in order to signal the maintenance works on the door
  - Control that the electricity power is disconnected before start the maintenance
  - Control to be correctly informed about the maintenance and read and understand this manual
- The maintenance man can't use the electrical fittings without a declaration of his proved experience.
- Don't allow not authorized people to repair or maintenance the doors.
- Read the manual before maintain the doors.
- During maintenance don't use heat sources that could start fires.
- During maintenance do not solder .
- Employment of compress air is forbidden.
- Employment of any solvent is forbidden.
- The presence of the maintenance staff around the door must be limited.
- The presence of other people around the door is necessary only to support the maintenance staff.

### ORDINARY CLEANING AND MAINTENANCE

The ordinary maintenance operations are all the operations that could do the user. The maintenance and clearing of the door are necessary to obtain the best functioning, higher safety for the user and a longer operativeness of the door.

COMPONENT	DESCRIPTION	PERIODICITY
Structure	Verify that the structure is correctly fixed to the wall in order to avoid incidents. Clean with soft cloth without using any solvent (eventually use water and soap) If there is ice on the structure immediately remove it	Six-month
Photocell and radar	Clean with soft cloth without using any solvent( in dusty areas could be necessary to clean more frequently the photocells: dust on photocells could cause malfunctioning of the photocells)	Six-month
Oblò	Clean the oblo with a soft clth and if necessary with water and soap ( do not use any solvent that could damage the oblo)	Six-month
Curtain	Control the condition of the belts and of the curtain. Clean the oblo with a soft clth and if necessary with water and soap ( do not use any solvent that could damage the oblo)	Six-month

**CHECK, PLANNED INSPECTIONS AND MAINTENANCE**

Only the maintenance staff or authorized people could do checks, planned inspections and planned maintenance.

These operations are necessary for the validity of the warranty

INTERVENTION POINT	DESCRIPTION	PERIODICITY
Structure	<ul style="list-style-type: none"> <li>- Verify the condition of the fixing frames, the correct closure of the wall anchors and of the passing bars(if present)</li> <li>- Control that there aren't any structural deformations due to crashes</li> </ul>	Six-month
Electrical components	<ul style="list-style-type: none"> <li>- Verify the electrical connections in the control board and verify that there is no water in.</li> <li>- Control the electrical connections in the junction box and control that there is no water in it</li> <li>- Control the conditions and functioning of the safety components (photocells, safety edge and emergency button)</li> <li>- Control the conditions and functioning of the opening components (opening buttons and optional if present)</li> <li>- Verify that all the electrical cables are in good condition.</li> </ul>	Six-month
Mechanical components	<ul style="list-style-type: none"> <li>- Verify the condition of the motor</li> <li>- Control the condition of the motor brake</li> <li>- Control the wear and tension of the drive chain of the motor adapter.</li> <li>- Control the condition of the reducer: oil leak, fixing to the motor, fixing of the structure.</li> <li>- Control the condition of the limit switch: wear of the beltwheel, wear and fixing of the pulley, the correct functioning of the camme and switches.</li> <li>- Control the correct clamping of the bolts for any part of the structure.</li> <li>- Verify the axially of the winder roller</li> <li>- Control the condition and greasing of the bearings.</li> <li>- Control the condition of the anti wear washers on the columns</li> <li>- Control the condition and regulation of the guides ( on the dynamic doors)</li> </ul>	Six-month
Curtain	<ul style="list-style-type: none"> <li>- Verify the condition and wear of the curtain and in particular in the areas subject to rubbing.</li> <li>- Control that there aren't any tear on the curtain.</li> <li>- Control the condition and regulation of the belts, lower and upper fixing plates and of the belts( for the rapid pack doors)</li> <li>- Verify the condition of the curtain bars</li> <li>- Control the correct packaging or rolling of the curtain</li> <li>- Control the tensioning of the curtain, the condition and wear of the zips ( for the dynamic doors)</li> </ul>	Six-month

## Operating instructions

PROBLEM	SOLUTION
<p><b>1</b> THE DOOR DO NOT OPENS AND CLOSES</p> <p><b>1</b> THE LED ON THE CARD ARE OFF</p>	<p><b>1</b> CHECK POWER SUPPLY ( 400 V THREE PHASE )</p> <p><b>1</b> CHECK FUSE</p> <p><b>1</b> CHECK THAT MOTOR PROTECTOR IN THE CONTROL BOARD IS ON</p>
<p><b>2</b> LA PORTA OPENS BUT NOT CLOSES</p>	<p><b>2</b> SET DIP 5 (if DIP 5 is not set the safety accessories do not work )</p> <p><b>2</b> CHECK THAT THE LED OF OPENING LIMIT SWITCH (LED 7) IS OFF AND THAT THE LED OF CLOSING LIMIT SWITCH (LED 8) IS ON (check limit switch regulation)</p> <p><b>2</b> READ POINT 1</p> <p><b>2</b> CHECK THAT OPEN SYSTEMS (buttons, remote controls, radar,ecc...) DO NOT WORK</p> <p><b>2</b> CHECK THAT LEDS OF PHOTOCELLS (LED 2) , STOP (LED 3), RESISTIVE EDGE (LED 4) ARE ON</p>
<p><b>3</b> THE DOOR IS CLOSED DO NOT OPEN</p>	<p><b>3</b> SET DIP 5 (if DIP 5 is not set the safety accessories do not work )</p> <p><b>3</b> CHECK THAT LEDS OF PHOTOCELLS (LED 2) , STOP (LED 3), RESISTIVE EDGE (LED 4) ARE ON</p> <p><b>3</b> CHECK THAT THE LED OF OPENING LIMIT SWITCH (LED 7) IS OFF AND THAT THE LED OF CLOSING LIMIT SWITCH (LED 8) IS ON (check limit switch regulation)</p> <p><b>3</b> READ POINT 1</p> <p><b>3</b> CHECK THAT OPEN SYSTEMS (buttons, remote controls, radar,ecc...) WORK CORRECTLY</p>

<b>4</b>	YOU CAN NOT PROGRAM THE RESISTIVE EDGE	<b>4</b>	SET DIP 5 (if DIP 5 is not set the safety accessories do not work )
<b>4</b>	THE RESISTIVE EDGE DOES NOT WORK (LED 4 off)	<b>4</b>	RESET THE OLD CODE (close the jumper "MR" press the PROG button until you hear a beeps tight series, then remove the jumper)
<b>4</b>		<b>4</b>	CHECK WITH TESTER THE CHARGE OF THE TRANSMITTER BATTERIES
<b>4</b>		<b>4</b>	CHECK THAT THE RESISTIVITY (8.2 KΩ) ON THE RESISTIVE EDGE CABLES CHANGE WHEN IT IS PRESSED if it does not change control that the resistive edge is perfectly flat for all its length or take out the rubber and control its integrity
<b>4</b>		<b>4</b>	CHECK THE RECEIVER CONNECTION
<b>4</b>		<b>4</b>	CHECK THAT J1 ON THE TRANSMITTER IS NOT JUMP

<b>5</b>	SAFETY PHOTOCELL DOES NOT WORK ( LED 2 OFF )  (the door does not close )  (the door closes but the photocell does not work)	<b>5</b>	SET DIP 5 (if DIP 5 is not set the safety accessories do not work )
<b>5</b>		<b>5</b>	CHECK RECEIVER PHOTOCELL CONNECTION (terminal 1-2 24Vac; terminal 3-4 N.C.)
<b>5</b>		<b>5</b>	CHECK TRANSMITTER PHOTOCELL CONNECTION (terminal 1-3 24Vac)
<b>5</b>		<b>5</b>	CHECK PHOTOCELLS ALIGNMENT
<b>5</b>		<b>5</b>	CHECK THAT NEAR THE DOOR TERE ARE NOT OTHER PHOTOCELLS THAT CAN CAUSE REFLECTION PROBLEM (you can try to turn off other photocells)
<b>5</b>		<b>5</b>	CHECK THAT NEAR PHOTOCELLS CABLES THERE ARE NOT HIGH VOLTAGE CABLE (motor power line, brake, flashing light have to pass in a tube line, while 24V accessories have to pass in other tube line.)
<b>5</b>		<b>5</b>	TO GROUND THE RECEIVER NEGATIVE CABLE ( blue cable 0Vdc)

## Operating instructions

<b>6</b> WITH OPEN CONTACTOR THE CURTAIN FALLS	<b>6</b> REVERSED MOTOR PHASES (reversed U with W)
<b>6</b> WITH CLOSE CONTACTOR THE CURTAIN GO UP	<b>6</b> CHECK HOW TO ROLL THE STRAPS (only for pack)
<b>7</b> THE DOOR ARRIVE ON PHOTOCELL AND GO BACK	<b>7</b> EXCLUSION PHOTOCELLS IS NOT ACTIVE (exclude photocells planning DIP 5)
<b>8</b> THE DOOR GO BACK BEFORE TOUCHING THE FLOOR	<b>8</b> CHECK THE PHOTOCELLS, LED 2 HAVE TO BE ON (it is off only if the fotocells are not aligned) <b>8</b> CHECK THE RESISTIVE EDGE, LED 4 HAVE TO BE ON (it is off only if the resistive edge is pressed) <b>8</b> CHECK THAT RADARS (IF INSTALLED) DO NOT REVERSE THE DOOR <b>8</b> READ POINT 7
<b>9</b> THE DOOR DO NOT CLOSE AUTOMATICALLY	<b>9</b> CHECK DIP 1 ( ON = automatic ) <b>9</b> TERMINAL 32 e 33 NOT JUMPED ( if they are jumped the door do not close automatycally)
<b>10</b> THE MOTOR HAS DIFFICULT TO LIFT THE CURTAIN	<b>10</b> CHECK THAT THE BRAKE IS CONNECTED IN THE TERMINAL 7 and 8 IN THE CONTROL CARD (standard) OR TERMINAL 7 and 9 ( with counterweight) <b>10</b> CHECK WITH TESTER THE RESISTIVITY IN OHM IN THE BRAKE CABLE <b>10</b> CHECK WITH TESTER THE POWER IN THE BRAKE TERMINAL <b>10</b> CHECK IN THE MOTOR THERE IS 400V THREE PHASE

<b>11</b>	THE MOTOR HAS DIFFICULT TO LIFT THE CURTAIN  ( when you are setting limit switch)	<b>11</b>	TO SET LIMIT SWITCH YOU HAVE TO USE RED BUTTONS P1 and P2 IN THE CARD (they replace the contactor, using the contactor the motor brake does not work)  <b>11</b> READ POINT 10
-----------	---	-----------	--

<b>12</b>	WHEN THE DOOR IS OPEN (locked) CURTAIN SLOWLY FALLS	<b>12</b>	SET MOTOR BRAKE (remove the fan cover and close of a quarter turn of the dial brake adjustment, then make tests to reach the optimum)
-----------	---	-----------	---

<b>13</b>	BLOWN FUSE IN THE TOP OF CONTROL CARD	<b>13</b>	LOW VOLTAGE FUSE 500mA ( check all accessories cables: photocells, receiver, radar, ecc.) (check that the accessoties cables do not touch the structure = short circuit)
-----------	---------------------------------------	-----------	--

<b>14</b>	BLOWN FUSE "F1" IN THE BOTTOM LEFT OF THE CARD	<b>14</b>	2.5A FUSE PROTECTS 230V (short circuit on 230V: flashing light, contactors coil,)
-----------	--	-----------	---

<b>15</b>	BLOWN FUSE "F2" IN THE BOTTOM RIGHT OF THE CARD	<b>15</b>	1.6A FUSE PROTECTS MOTOR BRAKE (short circuit on motor brake, check with tester the ohm in the brake)
-----------	---	-----------	---

### WARRANTY CONDITIONS

The door is designed and manufactured to use as an industrial closure. Any dissimilar from the original purpose and the failure to follow instruction contain in this manual will void the warranty.

B.M.P. S.r.L. guarantee the door for 12 months from the date of the test and put into; therefore it is essential to keep the document testing with this manual and the invoice or receipt for tax purposes. The warranty is avoid if are not observed the term of payment.

The warranty is subject to the report, with fax or in the web site, when you discover any defects, after check and admission by B.M.P. S.r.L.

B.M.P. S.r.L. repair or replace all part that we admit defective for caused dependent to the material or workmanship: warranty will be void for the part damaged after installation and testing the door, or incorrect installation or maintenance if they are not done by our staff , action by not authorized personnel, transport without necessary caution and any damage not attributable to manufacturing defects.

The warranty does not cover parts subject to normal wear and tear to weathering.

The replacement, the addition or the modification, without the permission of the manufacturer, the use of component not identical to those provided or any other brand, will void the warranty.

The responsibility for B.M.P. S.r.L. remains, however, limited to the repair or replacement of defective parts, B.M.P. S.r.L. disclaim any responsibility for any consequence or damage caused from goods, including work for disassembly and assembly or additional accessories bought.

The warranty excludes any right to terminate the contract of sale, price reduction and compensation for damage, in addition replacing a part does not involve the renewal of the warranty period on the entire door unless has not replaced the door.

The user must observe the safety warnings in the manual, in particular:

- Operate within the limits of use
- Always make a constant and diligent maintenance

B.M.P. S.r.L. disclaim any responsibility, direct or indirect, arising from:

- Failure to comply the instruction in this manual
- Use by untrained personnel
- Incorrect installation
- Defect in power
- Not authorized changes
- Not authorized repairs
- Serious maintenance deficiencies
- Use not original parts or not specific for the model
- Exceptional events
- Use not in accordance with regulation in the country of installation

## REPAIRING REQUEST

The reporting of any tipe of problem you have sendto the manufacturer in these ways:

- **mail** : [assistenza@bmpitalia.it](mailto:assistenza@bmpitalia.it)
- **fax** : al numero 0173 – 658336
- **web** : al sito internet [www.bmpeurope.eu](http://www.bmpeurope.eu)

Information neded :

- Personal information company (or owner of the door)
- Door data (serial NO.)
- Description of the problem
- Eventually photos

  
Il firmatario  
Danilo Benotto  
(Legale Rappresentante)