

HERE, THERE'S



PRODUCT CATALOG 2024

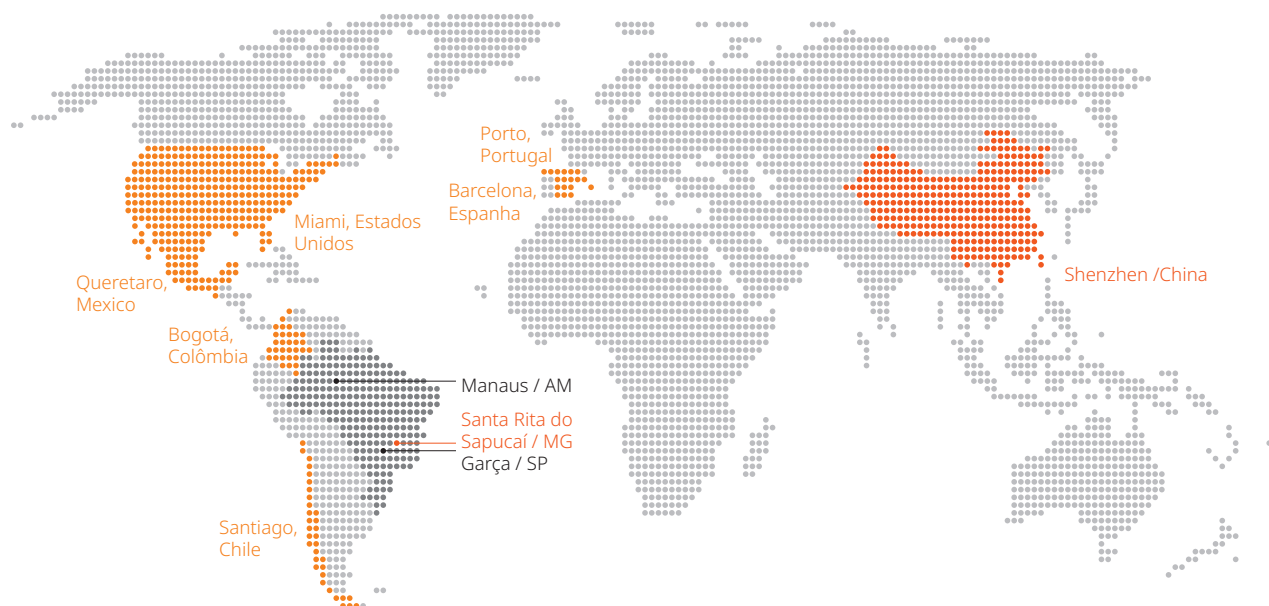
PPA Taking innovative solutions to the four corners of Brazil and the world

When it comes to making an environment safe, **PPA** is present.

With a rich history of over 40 years, PPA dedicates itself to researching and developing **innovative, efficient solutions** for gate, door, and barrier automation. We also offer monitoring cameras and products that transform your home into an intelligent, functional space, all in the pursuit of making your environment safe.

We are the largest industry in Latin America in the segment with the largest distribution network worldwide. We operate in more than 50 countries and have a **portfolio of more than 4,000 items**. Our company continues growing and innovating to become increasingly global and **take our technology to the world**.

Always rely on **PPA** for the best protection for your properties and the people in your life.



MANUFACTURING UNITS

- GARÇA / SP (MATRIZ)
- MANAUS / AM

RESEARCH AND INNOVATION CENTERS

- GARÇA / SP
- SANTA RITA DO SAPUCAÍ / MG
- SHENZHEN/CHINA

INTERNATIONAL LOGISTIC CENTERS

- BOGOTÁ, COLOMBIA
- MIAMI, ESTADOS UNIDOS
- QUERETARO, MEXICO
- BARCELONA, ESPANHA
- PORTO, PORTUGAL
- SANTIAGO, CHILE

Discover our technologies

MONO

Your customers can rely on **smooth, precise, and silent** closings, which avoid impacts and extend the equipment's useful life. You deliver the best cost-benefit advantage with easy access and low maintenance and programming costs.

LEGERO

Fast gates with the ideal synchrony between **technology, motor, control board, and cost reduction**. The encoder's advanced technology, patented by **PPA**, and the **Jetflex** technology, now in the **Mono** model – have speed and precision in opening and closing ramps, which means increased profits for you, installers.

JETFLEX TECHNOLOGY

Ultrafast, **the fastest in the world**. Technology made for those who need **great agility** daily. The opening starts after 2.5 seconds to keep security, which always comes first. You, installers, have the chance to offer the best technology in the market and make your customers very satisfied.

JETFLEX BRUSHLESS

High speed with energy **savings**. The technology has twice the working-hour capacity when used with uninterruptible power supply units. Another benefit is that the **Jetflex Brushless** has the lowest maintenance rate in the market.

24V

Maximum energy efficiency. Discover the technology and advantages of 24V and offer your customers more savings and the possibility of using low-cost batteries.

JETFLEX 24V

With **Jetflex 24V**, you have the security of a quick gate opening. At the same time, you have maximum energy efficiency, besides the possibility of lower consumption with **24V** batteries. It is the technology with the perfect union!

» Table of contents

OPERATORS FOR GATES.....	8
AUTOMATIC BARRIERS.....	53
OPERATORS FOR DOORS AND WINDOWS.....	58
OPERATORS FOR ROLL-UP DOORS.....	65
OPERATORS FOR CURTAINS.....	67
CONTROL BOARDS	71
ALARM SYSTEMS.....	80
SENSORS.....	84
INTERCOMS, LOCKS, AND HYDRAULIC DOOR CLOSERS	91
FENCE ELECTRIFIERS	98
CAMERAS AND RECORDERS.....	105
ACCESS CONTROL SYSTEMS.....	114
MODULES	125
ACCESSORIES.....	127
PPA ON	143
APLICATIVES AND SOFTWARE	150
CONCERTINA FENCES.....	154

Legend

Product Features



Operator drag weight:

Gate leaf weight.



Opening and closing speeds

It is measured in 3 meters. It can vary according to the gate weight, condition, and deceleration adjustments.



Cycles/Hour

The number of opening (or closing) cycles the operator can perform in an hour.



Cycles/Day

The number of opening (or closing) cycles the operator can perform in a day.



Reduction ratio

Nylon spur gear with metallic core.



Reduction ratio

Nylon spur gear



Reduction ratio

Bronze spur gear.



Magnetic Limit Switch

It can be analog (A), digital (D) and/or hybrid (H).



Mechanical Limit Switch

It can be analog (A), digital (D) and/or hybrid (H).

RPM

Rotations per Minute

The number of rotations of the motor in 1 minute.



Motor Power Supply

It can be 110 V, 220 V, or Dual Voltage (110/220 V).



Output Frequency (Hz)

The frequency indicates the number of waves that occur in electricity in 1 second.



Capacitor (µF)

The capacitor's function is to store electrical charges inside it. It is used in single-phase motors.



Motor Type

It can be AC, DC 24 V, or BLDC



Rack Modules

They can be 4 (residential) or 6 (industrial).



External Gear for Rack

It can be Z14, Z18 (residential) or Z12, Z17 (industrial).



External Gear for Steel Rack

It can be Z14, Z18 (residential) or Z12, Z17 (industrial).



Chain Actuator

It can be ISO 410 (1/2"x1/8") or ASA 40 (1/2"x5/16")



External Gear for Chain

It can be Z8, Z11, Z16, or Z20.



Tilting Spindle Actuator (m)

The length in meters can vary according to the operator's model and the gate's size and weight.



Spindle + Pivoting Plunger Actuation (m)

The length in meters can vary according to the operator's model and the gate's size and weight.



Leaf Size (m)

The length in meters can vary according to the size.



Track Size (m)

The length in meters can vary according to size.



Uneven places (mm)

Maximum ground unevenness



Operator size + Spindle +Pivoting Piston

They can be Standard, Super or Mega.



Transmission by a connecting-rod system

Connecting rod is a connecting part for the piston. It transforms strength into motility, and it even responsible for starting a continuous circular motion in the motor



Linear Barrier

Used in barrier gates for flow control



Articulated arm barrier

Used in barrier gates for flow control



Chain barrier

It uses chain for floor control



Operator for Front Doors

1-leaf sliding door.



Operator for Front Doors

2-leaf sliding door.



Operator for Front Doors

1-leaf swing door.



Operator for Front Doors
2-leaf swing door.



Operator for Windows
1-leaf sliding window.



Direct Drive
Direct drive means no transmission elements are required.



Belt
Transmission of motion by belt drive.



Chain
Transmission of motion by chain drive.



Chain + Head Plate
Reduction through chain + head plate.



Internal gear
Available in aluminum or polymer.



Leaf area (m2)
Leaf area to be automated



Track size (m)
The length in meters can vary according to the size.

Recommendation, application, and features:



Home application
Operator recommended for homes with a low vehicle flow.



Gated Community application
Operator recommended for buildings and gated communities with a regular vehicle flow.



Business Application
Operator recommended for industries and businesses with a high vehicle flow.



Wi-Fi Connectivity
Products compatible with Wi-Fi connections.



Compatible with PROG PPA
Operators can be programmed through the PROG PPA.



Silent
Smooth, precise, and silent closing.

Multiple
Minimum quantity for load closing.

FASS

Fass
Product belongs to PPA Fass line.



OPERATORS FOR GATES

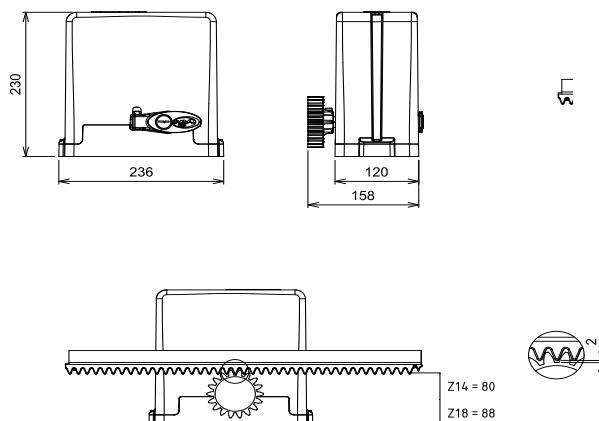
HIGH SPEED AND TECHNOLOGY IN
THE LARGEST LINE OF OPERATORS
FOR GATES IN THE MARKET.

SLIDING

OVERHEAD

SWING

Dz Stark



MEASUREMENTS IN MILLIMETERS



											
400 300	15										
							RPM				
600 500	13,5 s 10,5 s	20	1:23	z14 z18	Mod. 4	A/D	1740	AC	127/220 V	60 Hz	25/12 µF
											
700 600	30										

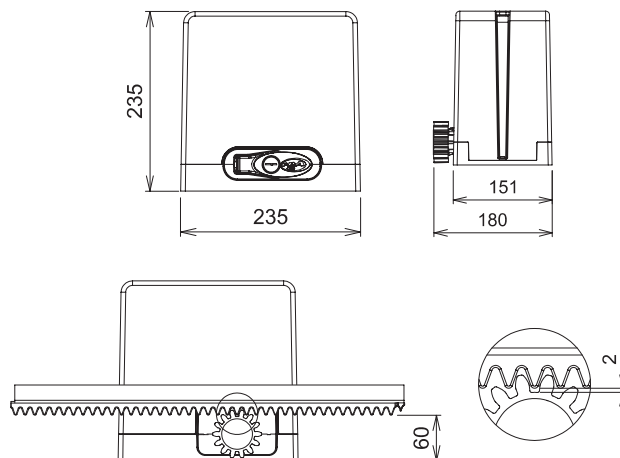


											
350 300	15										
							RPM				
500 450	8,5 s 6,5 s	20	1:30	z14 z18	Mod. 4	D/H	3480	AC	127/220 V	60 Hz	35/15 µF
											
600 550	30										



											
450 400	20										
							RPM				
650 600	5,5 s 4,0 s	25	1:30	z14 z18	Mod. 4	H	5800	AC	127/220 V	200 Hz	
											
750 700	35										

Dz Hub



MEASUREMENTS IN MILLIMETERS

	 300	 13,5 s	 20	 1:23	 z14	 Mod. 4	 A/D	 1740	 AC	 127/220 V	 60 Hz	 25/12 µF
	 450		 30									

MONO

	 350	 8,5 s	 20	 1:30	 z14	 Mod. 4	 D/H	 3480	 AC	 127/220 V	 60 Hz	 35/15 µF
	 500		 30									

LEGERO

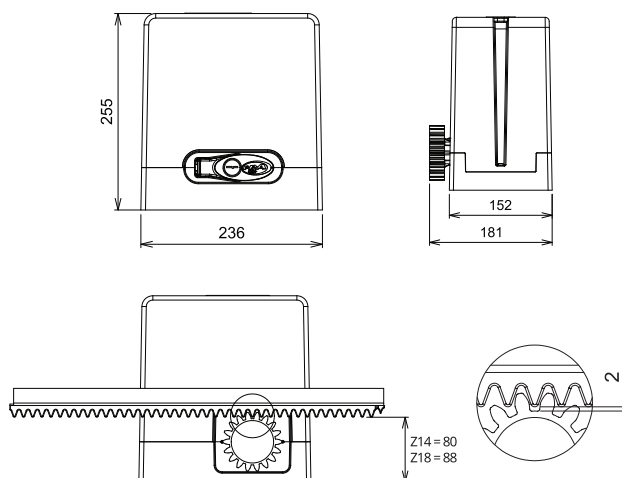
	 350	 4 s	 30	 1:23	 z14	 Mod. 4	 H	 5800	 AC	 127/220 V	 200 Hz	
	 550		 40									

JETFLEX
TECHNOLOGY

	 450	 11,0 s	 40 Heavy Duty	 1:23	 z14	 Mod. 4	 H	 2200	 BLDC	 85-265 V		
---	---	--	---	--	---	--	---	--	--	--	--	--

24V

Dz Hub R



MEASUREMENTS IN MILLIMETERS



							RPM				
600	13,5 s 10,5 s	30	1:23	z14 z18	Mod. 4	A/D	1740	AC	127/220 V	60 Hz	25/12 µF



							RPM				
350 300		20									
	8,5 s 6,5 s		1:30	z14 z18	Mod. 4	D/H	3480	AC	127/220 V	60 Hz	35/15 µF
500 450		30									

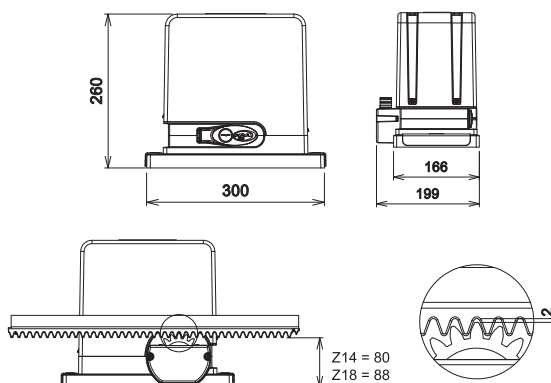


							RPM			
450		30								
	5,5 s 4 s		1:30	z14 z18	Mod. 4	H	5800	AC	127/220 V	200 Hz
650		40								



							RPM		
450	11,0 s 8,5 s	40 Heavy Duty	1:23	z14 z18	Mod. 4	H	2200	BLDC	85-265 V

Dz Cube



MEASUREMENTS IN MILLIMETERS

		550							RPM				
		800	13,5 s 10,5 s	40	1:23	z14 z18	Mod. 4	A/D	1740	AC	127/220 V	60 Hz	25/12 µF

MONO

		600 550							RPM				
		800 750	8,5 s 6,5 s	40 50	1:30	z14 z18	Mod. 4	D/H	3480	AC	127/220 V	60 Hz	35/15 µF

LEGERO

		650							RPM				
		1000	4,0 s 3,5 s	50	1:23								
						z14 z18	Mod. 4	H	5800	AC	127/220 V	200 Hz	
			5,5 s 4,5 s	60	1:30								

JETFLEX TECHNOLOGY

		850							RPM				
			5,5 s 4,5 s	60 Heavy Duty	1:23	z14 z18	Mod. 4	H	4500	BLDC	127/220 V		

JETFLEX BRUSHLESS

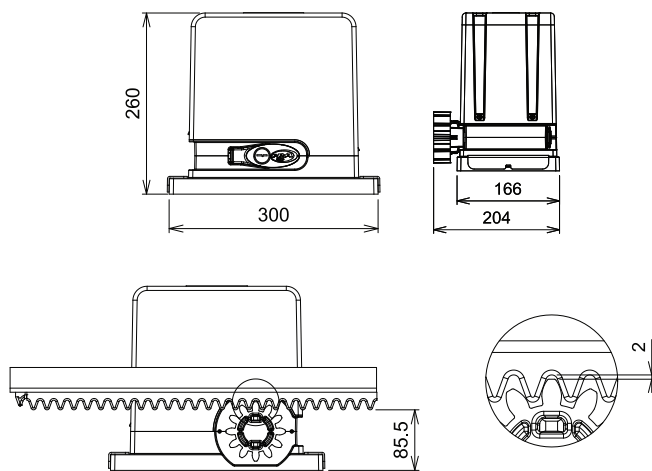
		550							RPM				
			11,0 s 8,5 s	60 Heavy Duty	1:23	z14 z18	Mod. 4	H	2200	BLDC	85-265 V		

24V

		500 400							RPM				
			5,5 s 4,5 s	60 Heavy Duty	1:30	z14 z18	Mod. 4	H	5500	BLDC	85-265 V		

JETFLEX 24V

Dz Cube Predial



MEASUREMENTS IN MILLIMETERS

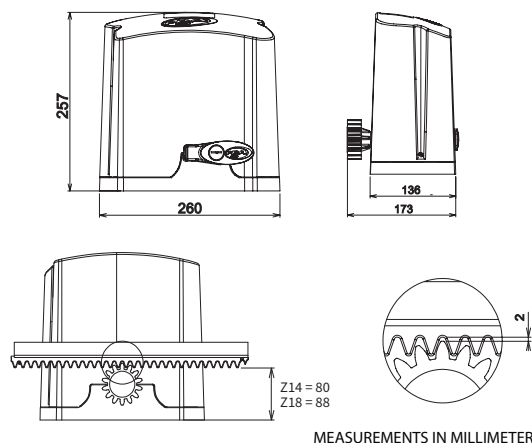


											
750	6,5 s	50	1:30	z12	Mod. 6	D/H	3480	AC	127/220 V	60 Hz	35/15 μ F



										
650	3,5 s	50	1:23	z12	Mod. 6	H	5800	AC	127/220 V	200 Hz
										
1000	4,5 s	60	1:30							

Dz Rio



MONO

												
300	13,5 s 10,5 s	20		z14 z18								25/12 µF
							RPM					
350	8,5 s	30	1:23	z22	Mod. 4	A/D	1740	AC	127/220 V	60 Hz	35/12 µF	
												
400	13,5 s 10,5 s	30		z14 z18							25/12 µF	



LEGERO

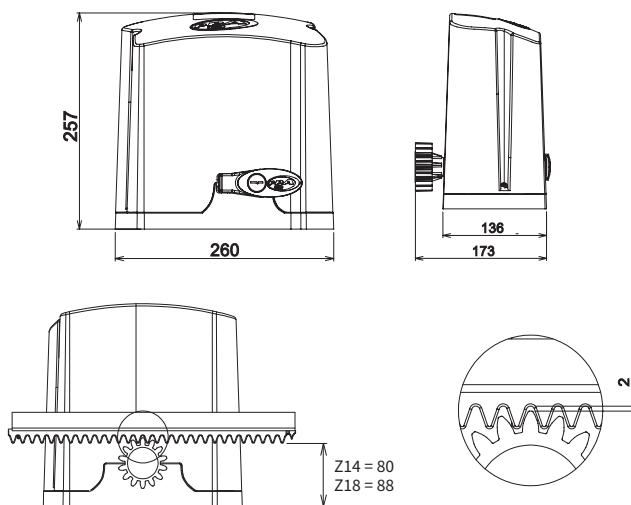
								RPM				
350 300		20										
												
450 400	8,5 s 6,5 s	30	1:30	z14 z18	Mod. 4	D/H	3480	AC	127/220 V	60 Hz	35/15 µF	



JETFLEX
TECHNOLOGY

								RPM				
350		30										
												
500	4 s 3,5 s	40	1:23	z14 z18	Mod. 4	H	5800	AC	127/220 V	200 Hz		

Dz Rio R



MEASUREMENTS IN MILLIMETERS



										
500	40	1:23	z14 z18	Mod. 4	A/D	1740	AC	127/220 V	60 Hz	25/12 µF
										
700	60				D/H					35/12 µF

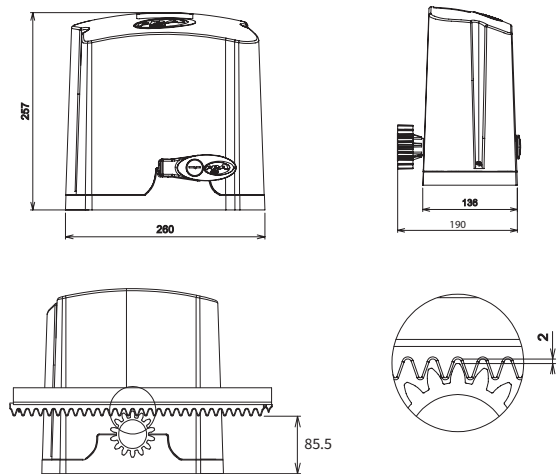


										
550	40	1:30	z14 z18	Mod. 4	D/H	3480	AC	127/220 V	60 Hz	35/15 µF
										
750	60									40/15 µF
700										



										
600	50	1:23	z14 z18	Mod. 4	H	5800	AC	127/220 V	200 Hz	
										
800	70									

Dz Rio Predial



MEASUREMENTS IN MILLIMETERS



LEGERO

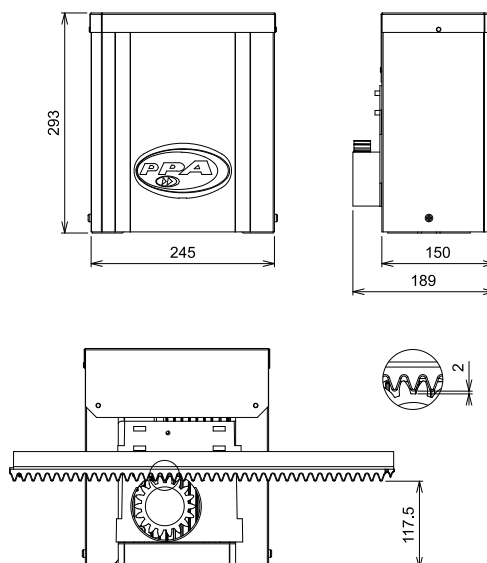
							RPM				
700	6,5 s	60	1:30	z12	Mod. 6	D/H	3480	AC	127/220 V	60 Hz	40/15 µF



JETFLEX
TECHNOLOGY

							RPM			
800	3,5 s	70	1:23	z12	Mod. 6	H	5800	AC	127/220 V	200 Hz

Dz Eurus Steel



MONO

							RPM				
700	14 s	60	1:30	z18	Mod. 4	D/H	1740	AC	127/220 V	60 Hz	35/12 µF



LEGERO

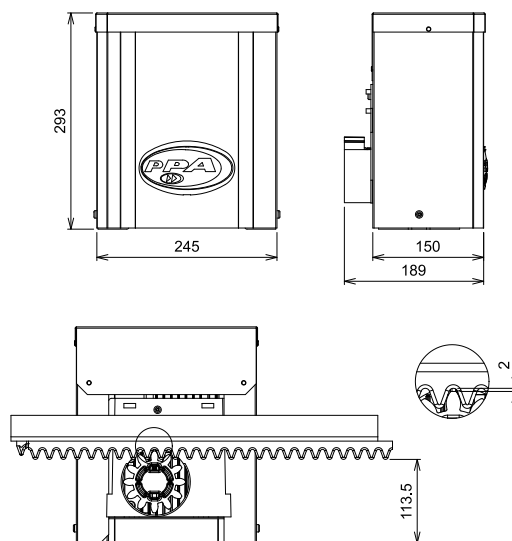
							RPM				
750	6,5 s	60	1:30	z18	Mod. 4	D/H	3480	AC	127/220 V	60 Hz	40/15 µF



JETFLEX
TECHNOLOGY

							RPM			
800	4,5 s	70	1:30	z18	Mod. 4	H	5800	AC	127/220 V	200 Hz

Dz Eurus Steel Predial



MONO

							RPM				
700	14 s	60	1:30	z12	Mod. 6	D/H	1740	AC	127/220 V	60 Hz	35/12 µF



LEGERO

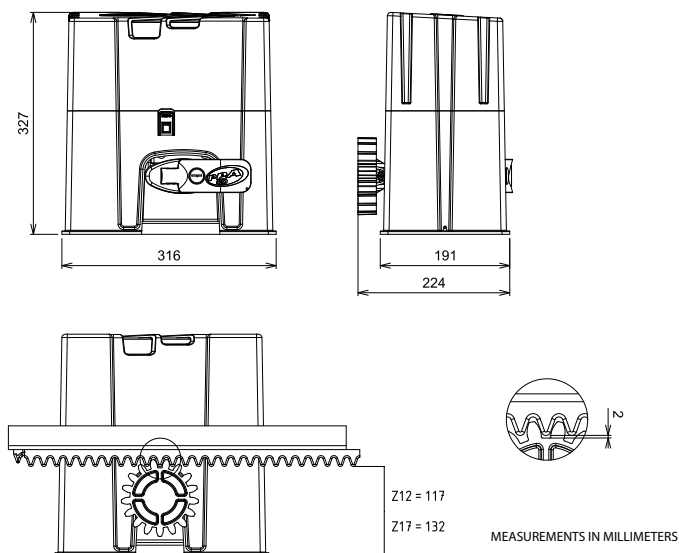
							RPM				
700	6,5 s	60	1:30	z12	Mod. 6	D/H	3480	AC	127/220 V	60 Hz	40/15 µF



JETFLEX
TECHNOLOGY

							RPM			
800	4,5 s	70	1:30	z12	Mod. 6	H	5800	AC	127/220 V	200 Hz

Dz Condominium



							RPM				
900 700		50	1:40	z12 z17	Mod. 6	H	1740	AC	220 V	60 Hz	12 µF
	18,5 s 13 s										
1000 800		60									

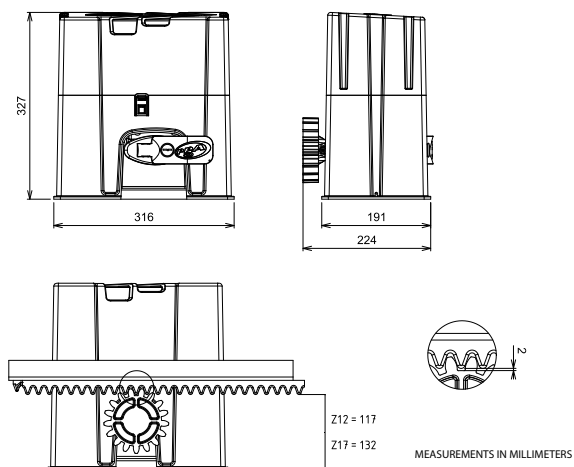


							RPM				
1000	9 s	60	1:40	z12	Mod. 6	D/H	3480	AC	220 V	60 Hz	25 µF



							RPM			
900 700		60	1:40	z12 z17	Mod. 6	H	5800	AC	127/220 V	200 Hz
	5,5 s 4 s									
1000 800		80								

Dz Ind



							RPM				
1400 1100		70									
	18,5 s 13 s		1:40	z12 z17	Mod. 6	H	1740	AC	220 V	60 Hz	15 µF
2000 1600		80									



							RPM				
1500	9 s	70	1:40	z12	Mod. 6	D/H	3480	AC	220 V	60 Hz	35 µF

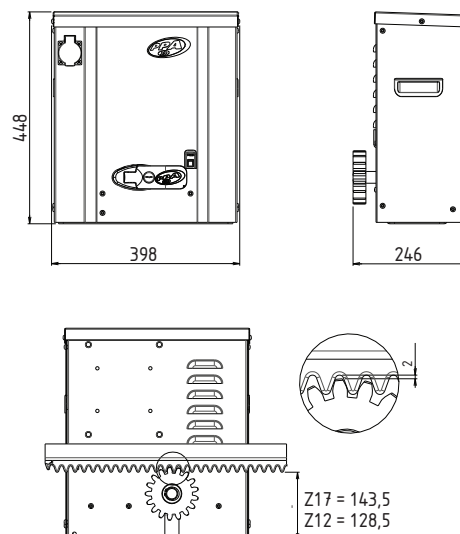


							RPM			
1400 1100		80								
	5,5 s 4,5 s		1:40	z12 z17	Mod. 6	H	5800	AC	127/220 V	200 Hz
1500 1200		100								



							RPM		
2200	5 s	120	1:40	z17	Mod. 6	H	4500	BLDC	127/220 V
		Heavy Duty							

Dz Brutalle



MEASUREMENTS IN MILLIMETERS



JETFLEX
TECHNOLOGY

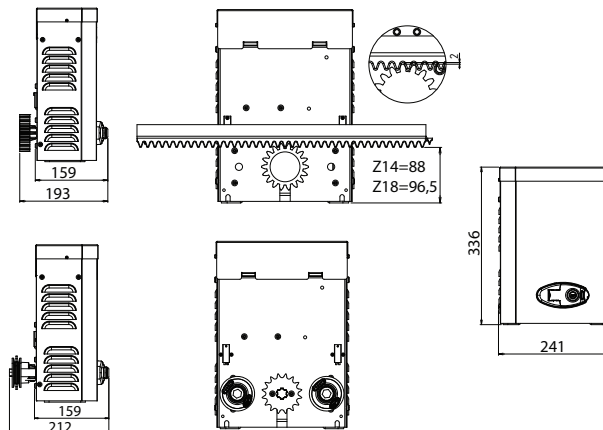
									
2000 1500	100	1:50	z12 z17	Mod. 6	H	5800	AC	127/220 V	200 Hz
									
7 s 5 s	150		z12 z17						
3000 2500									



JETFLEX24V

									
1500 1000	100 Heavy Duty	1:50	z12 z17	Mod. 6	H	5500	BLDC	85-265 V	
									
7,5 s 5,5 s	150 Heavy Duty		z12 z17						
2000 1500									

Dz Portale



MONO

											
300	17,5 s	15	1:30	z14	Mod. 4	A/D	1740	AC	127/220 V	60 Hz	25/12 µF
											
	15 s			z16	ISO 410 (1/2"x1/8")						

											
400	14 s	30	1:30	z18	Mod. 4	A/D	1740	AC	127/220 V	60 Hz	25/12 µF
											
	15 s			z16	ISO 410 (1/2"x1/8")						



LEGERO

											
400	6,5 s	30	1:30	z18	Mod. 4	D/H	3480	AC	127/220 V	60 Hz	35/15 µF
											
	7,5 s			z16	ISO 410 (1/2"x1/8")						

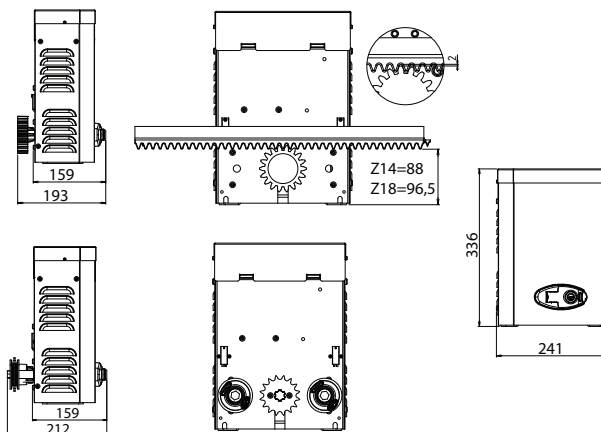


JETFLEX
TECHNOLOGY

										
350	5,5 s	25	1:30	z14	Mod. 4	H	5800	AC	127/220 V	200 Hz
	5 s			z16	ISO 410 (1/2"x1/8")					

										
500	4,5 s	50	1:30	z18	Mod. 4	H	5800	AC	127/220 V	200 Hz
	5 s			z16	ISO 410 (1/2"x1/8")					

Dz Portale Semi-Ind



JETFLEX
TECHNOLOGY

							RPM			
700	4,5 s	60	1:30	z18	Mod. 4	H	5800	AC	127/220 V	200 Hz
	5 s			z16	ASA 40 (1/2"x5/16")					



JETFLEX
BRUSHLESS

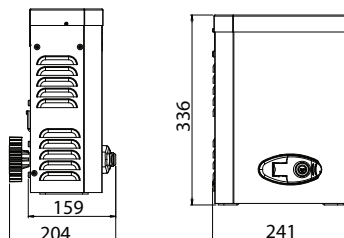
							RPM			
800	5,5 s	60	1:30	z18	Mod. 4	H	4500	BLDC	127/220 V	
	6 s	60 Heavy Duty		z16	ASA 40 (1/2"x5/16")					



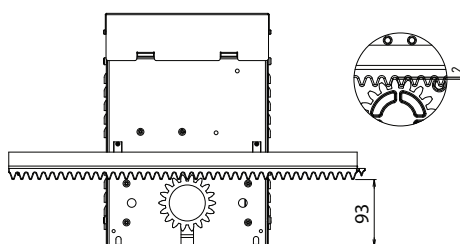
JETFLEX
TECHNOLOGY

							RPM			
900	4,5 s	60	1:30	z18	Mod. 4	H	5800	AC	127/220 V	200 Hz
	5 s			z16	ASA 40 (1/2"x5/16")					

Dz Portale Predial



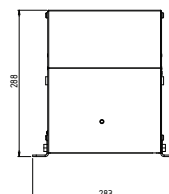
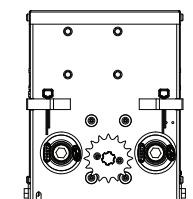
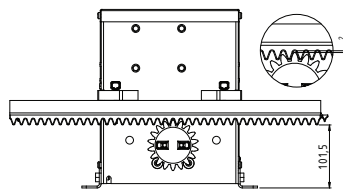
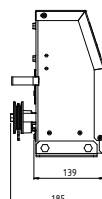
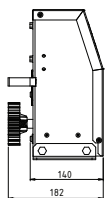
MEASUREMENTS IN MILLIMETERS



JETFLEX
TECHNOLOGY

										
900	4,5 s	60	1:30	z12	Mod. 6	H	5800	AC	127/220 V	200 Hz

Dz Vantaggio



KG	12,5 s	20	1:23	z18	Mod. 4	A	RPM	AC	127/220V	60 Hz	25/12 µF
300	13,5 s			z16	ISO 410 (1/2"x1/8")						



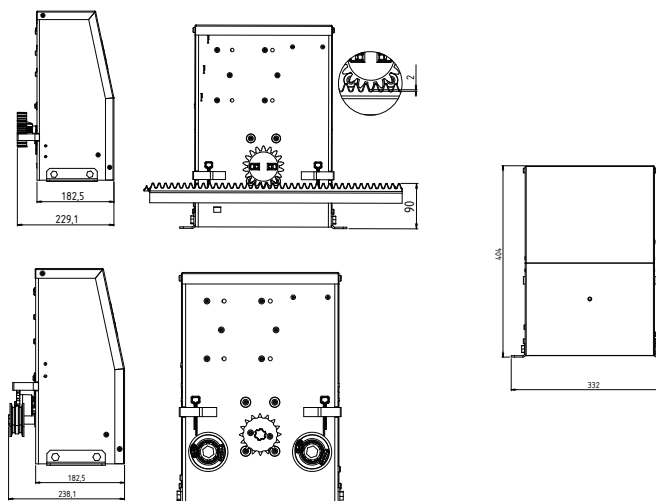
KG	12,5 s	30	1:23	z18	Mod. 4	A	RPM	AC	127/220 V	60 Hz	25/12 µF
400	13,5 s			z16	ISO 410 (1/2"x1/8")						

KG	12,5 s	30	1:23	z18	Mod. 4	A	RPM	AC	127/220 V	60 Hz	25/12 µF
400	16 s			z16	ISO 410 (1/2"x1/8")						
	13,5 s		1:30								
	17 s										



KG	7,5 s	30	1:30	z18	Mod. 4	D/H	RPM	AC	127/220 V	60 Hz	35/15 µF
400	8,5 s			z16	ISO 410 (1/2"x1/8")						

Dz Vantaggio Semi-Ind



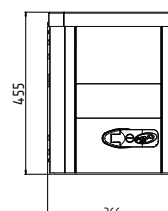
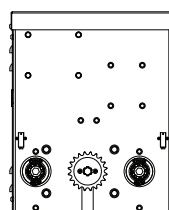
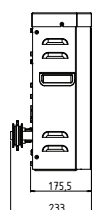
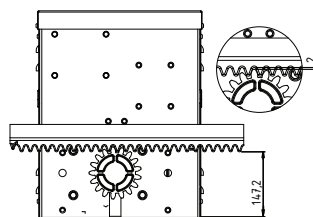
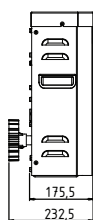
							RPM				
700	12,5 s 16 s	60	1:23 1:30	z18	Mod. 4	A	1740	AC	127/220 V	60 Hz	25/12 µF
	13,5 s 17 s			z16	ASA 40 (1/2"x5/16")						



							RPM				
700	7,5 s 8,5 s	40	1:30	z18	Mod. 4	D/H	3480	AC	127/220 V	60 Hz	40/15 µF
				z16	ASA 40 (1/2"x5/16")						



Dz Vantaggio Ind

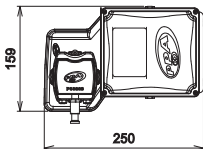
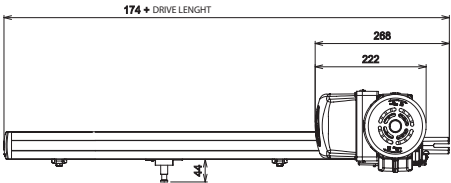


1500	8 s	60	1:40	z17	Mod. 6	D/H	3480	AC	220 V	60 Hz	35 µF
	10 s			z20	ASA 40 (1/2"x5/16")						



2000	5 s	70	1:40	z17	Mod. 6	H	5800	AC	127/220 V	200 Hz
	6,5 s			z20	ASA 40 (1/2"x5/16")					

DF



MONO

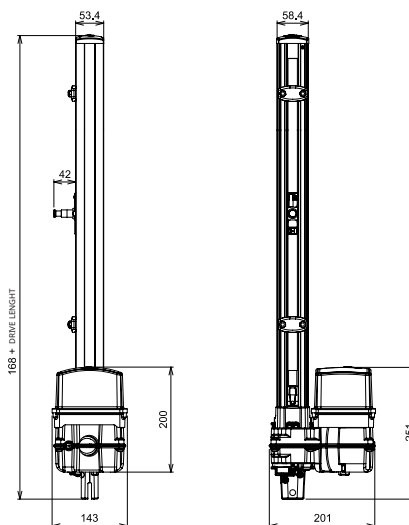
400 KG	11 s	50	2:30	5/8" p. 60	2,5 to 6 m	A/D	3480 RPM	AC	127/220 V	60 Hz	35/12 µF



JETFLEX
TECHNOLOGY

450 KG	6,5 s	50	2:30	5/8" p. 60	2,5 to 4 m	H	5800 RPM	AC	127/220 V	200 Hz

Bv Home



							RPM				
200	16,5 s	20	1:26	1/2" p. 62	1,4 and 1,5 m	A	1740	AC	127/220 V	60 Hz	25/12 µF
300		30			1,4 to 2,5 m	A/D					



							RPM				
150	10 s	20	1:18	1/2" p. 62	1,4 and 1,5 m	A	1740	AC	127/220 V	60 Hz	25/12 µF
250		30			1,4 to 2,5 m	H					

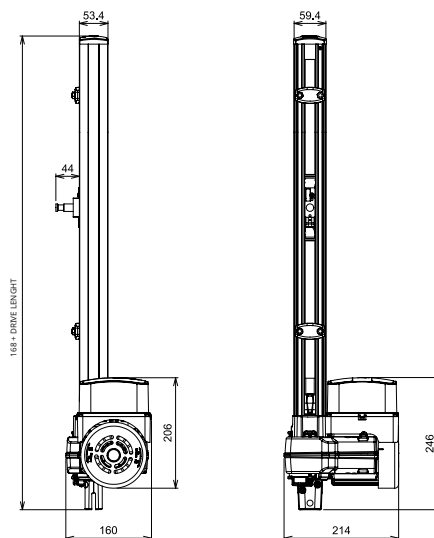


							RPM				
200	8 s	20	1:30	1/2" p. 62	1,4 and 1,5 m	D/H	3480	AC	127/220 V	60 Hz	35/15 µF
300		30			1,4 to 2,5 m						



							RPM				
250	3,5 s	30	1:18	1/2" p. 62	1,4 and 1,5 m	H	5800	AC	127/220 V	200 Hz	
350		40			1,4 to 2,5 m						

Bv Levante



					 					
200	16,5 s	20	1:26	1/2" p. 62	1,4 and 1,5 m A	1740	AC	127/220 V	60 Hz	25/12 µF
300		30			1,4 to 2,5 m A/D					



					 					
150	10 s	20	1:18	1/2" p. 62	1,4 and 1,5 m A	1740	AC	127/220 V	60 Hz	25/12 µF
250		30			1,4 to 2,5 m H					



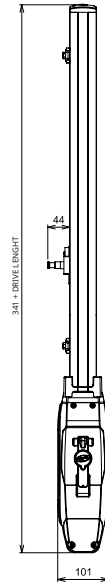
					 					
200	8 s	20	1:30	1/2" p. 62	1,4 and 1,5 m D/H	3480	AC	127/220 V	60 Hz	35/15 µF
300		30			1,4 to 2,5 m					



					 					
250	3,5 s	30	1:18	1/2" p. 62	1,4 and 1,5 m H	5800	AC	127/220 V	200 Hz	
350		40			1,4 to 2,5 m					



Bv Prime



LEGERO

							RPM				
300	8,5 s	30	1:31	5/8" p. 60	1,4 to 2 m	D/H	3480	AC	127/220 V	60 Hz	35/15 µF



JETFLEX
TECHNOLOGY

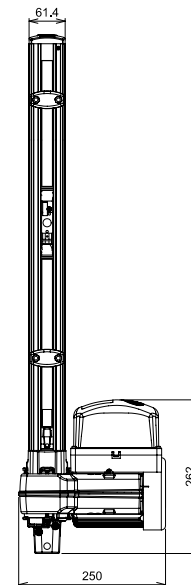
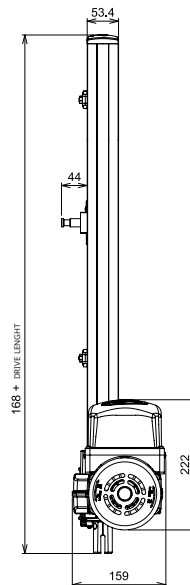
							RPM			
350	6,5 s	40	1:31	5/8" p. 60	1,4 to 2 m	H	5800	AC	127/220 V	200 Hz



24V

							RPM		
300	16,5 s	50 Heavy Duty	1:31	5/8" p. 60	1,4 to 2 m	H	2200	BLDC	85-265 V

Bv Potenza



							RPM				
300	16,5 s	30		1/2" p. 62	1,4 and 1,5 m	A					
			1:26				1740	AC	127/220 V	60 Hz	25/12 µF
350	17 s	50		5/8" p. 60	1,4 to 4 m	A/D					



							RPM				
250		30		1/2" p. 62	1,4 and 1,5 m	A					
	10,5		1:18				1740	AC	127/220 V	60 Hz	25/12 µF
300		50		5/8" p. 60	1,4 to 4 m	H					



							RPM				
350	8,5 s	50	1:30	5/8" p. 60	1,4 to 3 m	D/H	3480	AC	127/220 V	60 Hz	35/15 µF

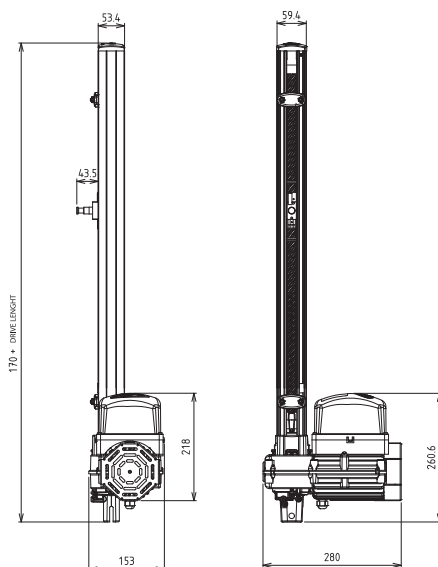


							RPM			
350		40		1/2" p. 62	1,4 and 1,5 m					
	3,5 s		1:18			H	5800	AC	127/220 V	200 Hz
400		60		5/8" p. 60	1,4 to 4 m					



							RPM		
300	9 s	60 Heavy Duty	1:18	5/8" p. 60	1,4 to 4 m	H	2200	BLDC	85-265 V

Bv Penta



MONO

							RPM				
350	16,5 s	50		1/2" p. 62	1,4 and 1,5 m	A					25/12 µF
			1:26			A/D	1740	AC	127/220 V	60 Hz	
400	17 s	70		5/8" p. 60	1,4 to 4 m						35/12 µF



SP

							RPM				
300		50									25/12 µF
	9,5 s		2:30	5/8" p. 60			1740	AC	127/220 V	60 Hz	
350		70			1,4 to 4 m	H					35/12 µF



LEGERO

							RPM				
400	8,5 s	70	1:30	5/8" p. 60	1,4 to 3 m	D/H	3480	AC	127/220 V	60 Hz	40/15 µF



JETFLEX
TECHNOLOGY

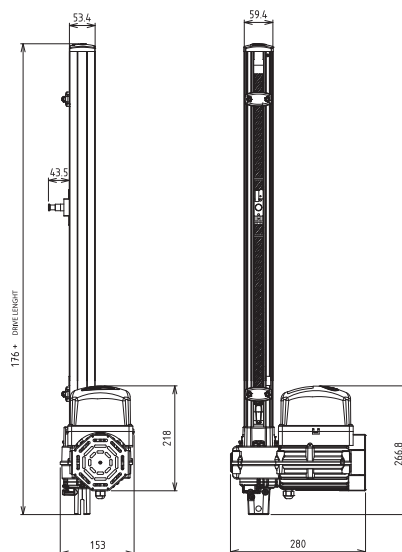
							RPM				
450		80									
	3 s		2:30	5/8" p. 60	1,4 to 4 m	H	5800	AC	127/220 V	200 Hz	
		100									



JETFLEX
BRUSHLESS

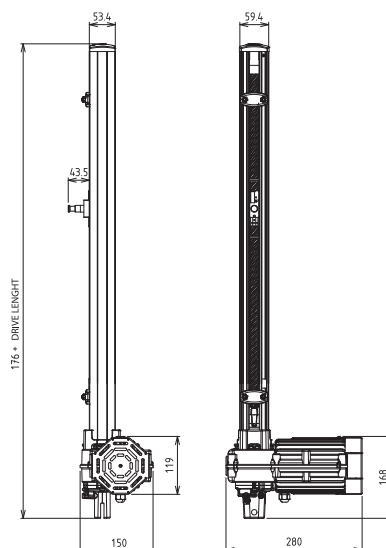
							RPM				
450	4 s	110 Heavy Duty	2:30	5/8" p. 60	1,4 to 4 m	H	4500	BLDC	127/220 V		

Bv Condominium



										
450 KG	3,5 s	80	2:30	5/8" p. 60	1,5 to 4 m	H	5800	AC	127/220 V	200 Hz
500 KG		120								

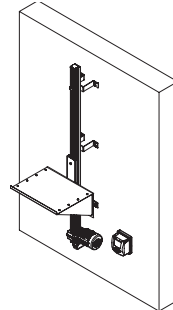
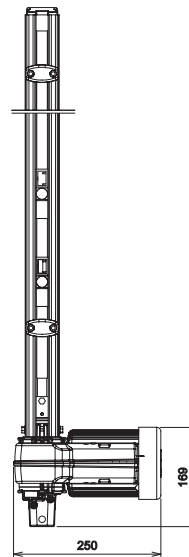
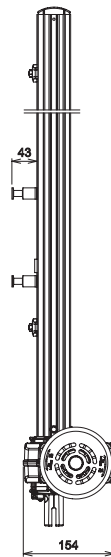
Bv Condominium Ind



										
500	3,5	150	2:30	5/8" p. 60	1,5 to 4 m	H	5800	AC	127/220 V	200 Hz



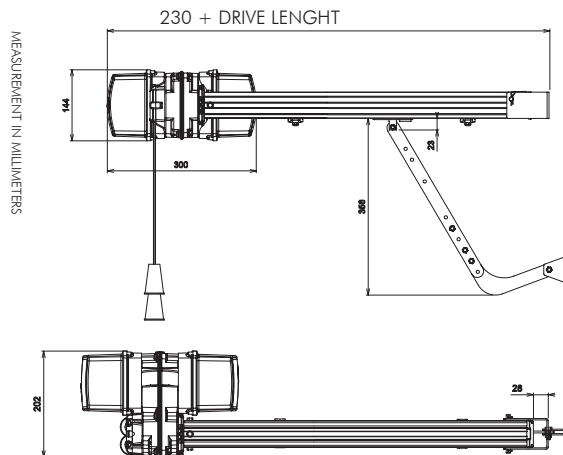
BV Freight Elevators



JETFLEX
TECHNOLOGY

							RPM			
150 KG	13,5 s	60	1:26	3/4" p. 20	1,5 to 6 m	H	5800	AC	127/220 V	200 Hz

BH Power Bolt

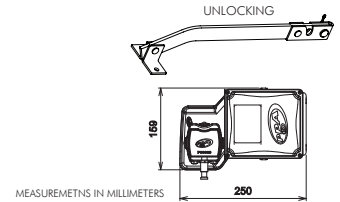
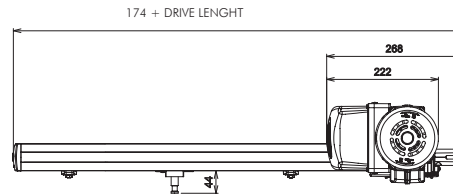


								RPM				
	300		20									
		19,5 s		1:30	1/2" p. 62	2,95 and 3,5 m	D/H	3480	AC	127/220 V	60 Hz	35/15 µF
	400		50									

								RPM				
	350		20									
		9 s		1:18	1/2" p. 62	2,95 and 3,5 m	H	5800	AC	127/220 V	200 Hz	
	450		40									



BH



MONO



350



17,5 s



50



2:30



5/8"
p. 60



2 to 4 m



H



1740



AC



127/220 V

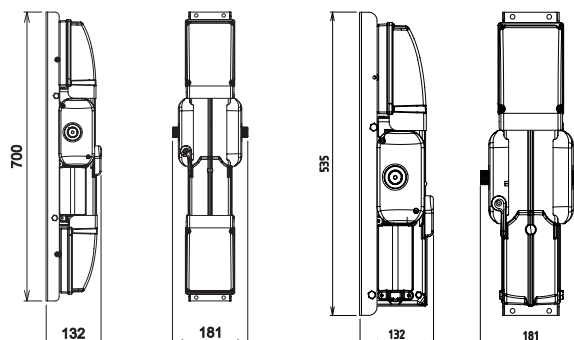


60 Hz



35/12 Hz

Bv Torsion



MONO

									
300	12 s	50	1:800	A	1740	AC	220 V	60 Hz	12 μ F
									
400		60							



LEGERO

									
400	6 s	60	1:800	D/H	3480	AC	220 V	60 Hz	15 μ F

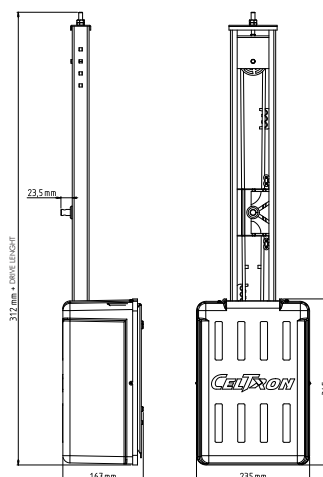


JETFLEX
TECHNOLOGY

								
450	4 s	70	1:800	H	5800	AC	127/220 V	200 Hz



Bv Portale



MONO

KG	16 s	50	1:36	z8	ISO 410 (1/2"x1/8")	1,35 to 6 m	D/H	RPM	AC	127/220 V	60 Hz	25/12 µF
350	10 s	1:30										
KG	16 s	60	1:36	z8	ISO 410 (1/2"x1/8")	1,35 to 6 m	D/H	RPM	AC	127/220 V	60 Hz	25/12 µF
400	10 s	1:30										



LEGERO

KG	50	1:30	z11	ISO 410 (1/2"x1/8")	1,35 to 6 m	D/H	RPM	AC	127/220 V	60 Hz	35/15 µF
300	4,5 s	60									
400											40/15 µF

JETFLEX
TECHNOLOGY

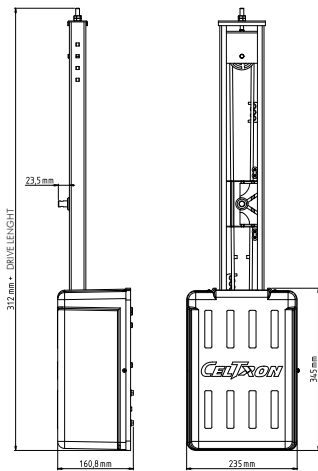
KG	50	1:30	z11	ISO 410 (1/2"x1/8")	1,35 to 6 m	H	RPM	AC	127/220 V	200 Hz
400	3 s	60								
450										

JETFLEX
BRUSHLESS

KG	4 s	60 Heavy Duty	1:30	z11	ISO 410 (1/2"x1/8")	1,35 to 6 m	H	RPM	BLCD	127/220 V
500										



Bv Vantaggio



MONO

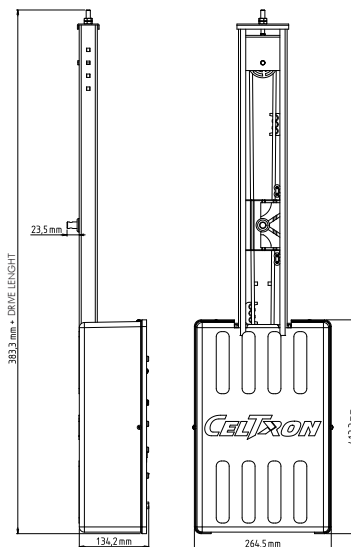
300	18,5 s	30	1:36	z11	ISO 410 (1/2"x1/8")	1,35 to 6 m	D/H	RPM	1740	AC	127/220V	60 Hz	25/12 µF
	12 s		1:30										



LEGERO

													
300	7 s	30	1:30	z11	ISO 410 (1/2"x1/8")	1,35 to 6 m	D/H	RPM	3480	AC	127/220V	60 Hz	35/15 µF

Bv Vantaggio Semi-Ind

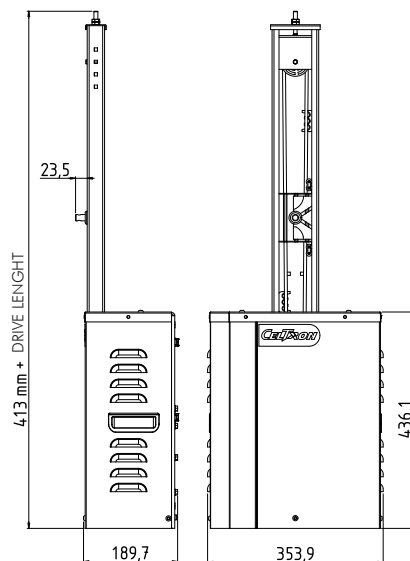


													
400	18,5 s	40	1:36	z11	ISO 410 (1/2"x1/8")	1,35 to 6 m	D/H	1740	AC	127/220V	60 Hz	25/12 µF	
													
	12 s		1:23										



												
400	7 s	30	1:30	z11	ISO 410 (1/2"x1/8")	1,35 to 6 m	D/H	RPM 3480	AC M	127/220V	60 Hz	35/15 µF

Bv Vantaggio Ind



LEGERO

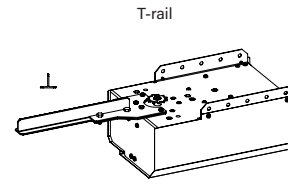
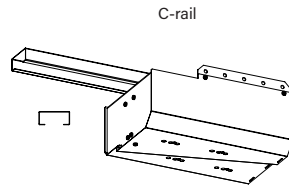
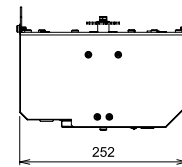
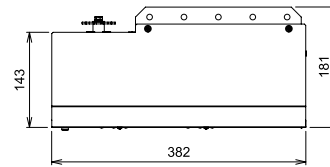
								RPM				
700	5,5 s	60	1:40	z16	ASA 40 (1/2"x5/16")	1,35 to 6 m	D/H	3480	AC	220 V	60 Hz	35 µF



JETFLEX
TECHNOLOGY

								RPM			
1200	3,5 s	60	1:40	z16	ASA 40 (1/2"x5/16")	1,35 to 6 m	H	5800	AC	127/220 V	200 Hz

BH Power Chain Hard Working



MONO

								RPM				
300	20 s	20	1:30	z11	ISO 410 (1/2"x1/8")	2,95 and 3,5 m	D	1740	AC	127/220 V	60 Hz	35/12 µF



LEGERO

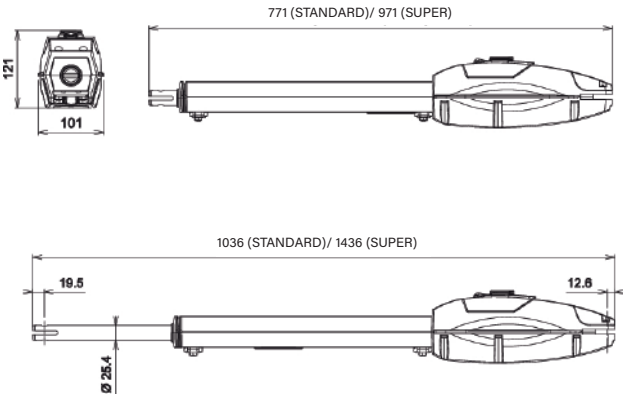
								RPM				
300	10 s	20	1:30	z11	ISO 410 (1/2"x1/8")	2,95 and 3,5 m	D	3480	AC	127/220 V	60 Hz	35/15 µF



JETFLEX
TECHNOLOGY

								RPM			
350	6 s	20	1:30	z11	ISO 410 (1/2"x1/8")	2,95 and 3,5 m	D	5800	AC	127/220 V	200 Hz

Pivo SK

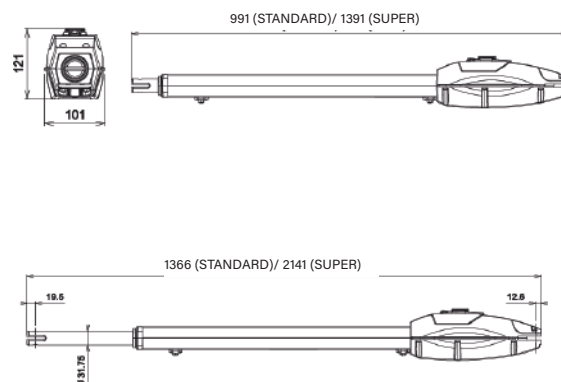


									RPM				
MONO	125	Super Standard	16,5 s 9,5 s	20	1:31	1/2" p. 30	3,0 m 2,0 m	A	1740	AC	127/220 V	60 Hz	20/8 µF

									RPM				
JETFLEX TECHNOLOGY	175	Super Standard	5 s 3 s	30	1:31	1/2" p. 30	3,0 m 2,0 m	H	5800	AC	127/220 V	200 Hz	



Pivo SK Predial



JETFLEX
TECHNOLOGY

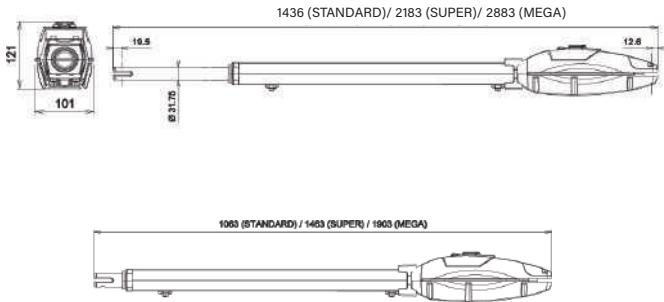
250	Super Standard	12 s 6 s	60	1:31	5/8" p. 20	3,5 m 2,0 m	H	5800	AC	127/220 V	200 Hz



24V

125	Super Standard	19,5 s 10 s	70 Heavy Duty	1:31	5/8" p. 20	3,5 m 2,0 m	H	3600	BLDC	85-265 V

Pivo SK Condominium



MEASUREMENT IN MILLIMETERS



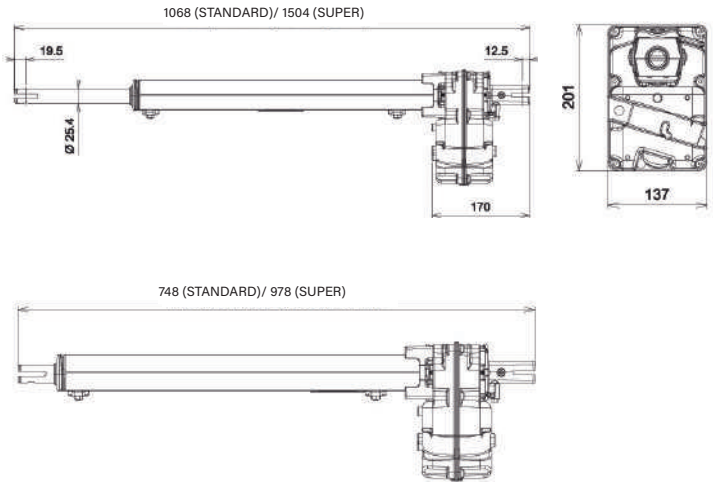
300	Mega Super Standard	16 s 12 s 6 s	60	1:31	5/8" p. 20	4,5 m 3,5 m 2,0 m	H	5800	AC	127/220 V	200 Hz



175	Super Standard	19,5 s 10 s	70 Heavy Duty	1:31	5/8" p. 20	3,5 m 2,0 m	H	3600	BLDC	85-265 V



Pivo Home



MONO

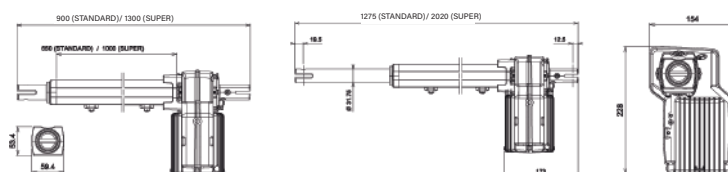
								RPM				
100	Super	18 s	20	1:30	1/2" p. 30	2,0 m	A	1740	AC	127/220 V	60 Hz	25/12 µF
	Standard	11 s				1,5 m						
125			30									



JETFLEX
TECHNOLOGY

								RPM				
150	Standard	5,5 s	30	1:30	1/2" p. 30	2,0 m	H	5800	AC	127/220 V	200 Hz	
	Super	3,5 s				1,5 m						
175			40									

Pivo Predial



MONO

								RPM				
200	Super Standard	20,5 s 10,5 s	50	1:30	5/8" p. 36	3,5 m 2,0 m	A	1740	AC	127/220 V	60 Hz	25/12 µF

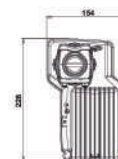
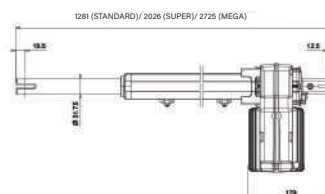
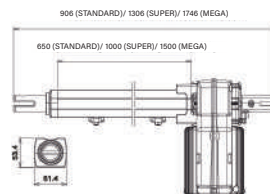


JETFLEX
TECHNOLOGY

								RPM			
250	Super Standard	6,5 s 3,5 s	60	1:30	5/8" p. 36	3,5 m 2,0 m	H	5800	AC	127/220 V	200 Hz



Pivo Condominium



MONO

KG								RPM				
300	Mega Super Standard	28,0 s 20,5 s 10,5 s	60	1:30	5/8" p. 36	4,5 m 3,5 m 2,0 m	A	1740	AC	127/220 V	60 Hz	35/12 µF



JETFLEX
TECHNOLOGY

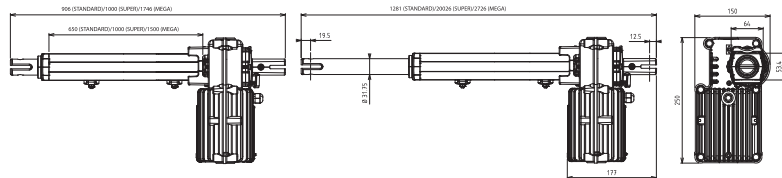
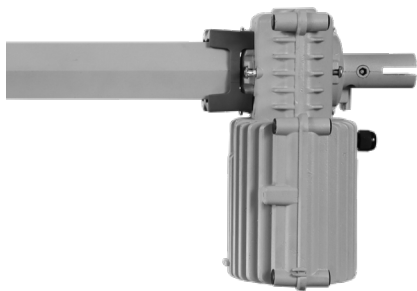
KG								RPM			
350	Mega Super Standard	8,5 s 6,5 s 3,5 s	80	1:30	5/8" p. 36	4,5 m 3,5 m 2,0 m	H	5800	AC	127/220 V	200 Hz



JETFLEX
BRUSHLESS

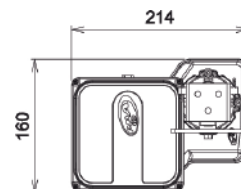
KG								RPM		
350	Mega Super Standard	11,0 s 8,0 s 4,5 s	90 Intenso	1:30	5/8" p. 36	4,5 m 3,5 m 2,0 m	H	4500	BLDC	127/220 V

Pivo Condominium Hard Working

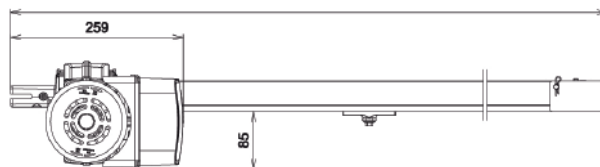


											
380	Mega Super Standard	8,5 s 6,5 s 3,5 s	100	1:30	5/8" p. 36	4,5 m 3,5 m 2,0 m	H	5800	AC	127/220 V	200 Hz

Pivo Avião



200 + LONGITUD DEL ACCIONAMIENTO



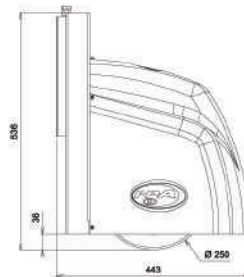
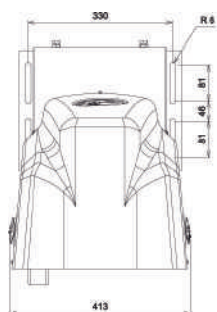
MONO

											
125	11,5 s	30	1:18	1/2" p. 62	1,5 to 3,0 m	D	1740	AC	127/220 V	60 Hz	25/12 µF



										
175	4 s	40	1:18	1/2" p. 62	1,5 to 3,0 m	D	5800	AC	127/220 V	200 Hz

Pivo Liger Universal



MEASUREMENT IN MILLIMETERS



MONO

						RPM				
500 KG	5 s	60	1:40	300 mm	A	1740	AC	220 V	60 Hz	15 µF

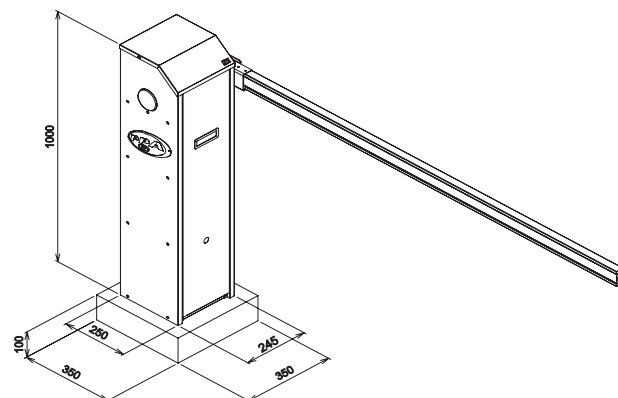
AUTOMATIC BARRIERS

RESISTANT, SEVERAL
BARRIER SIZES WITH PPA
TECHNOLOGY. THE BEST
OPTIONS FOR VEHICLE
FLOW CONTROL.



K1

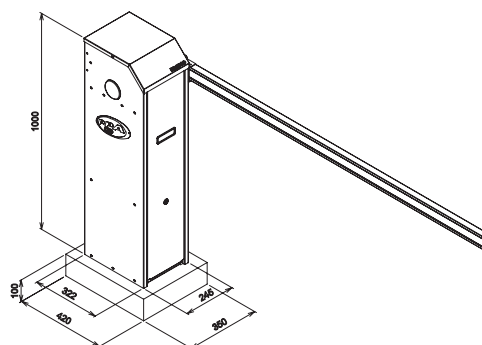
JETFLEX
TECHNOLOGY



						
2,5 a 3,0 m 3,5 a 4,0 m	1,5 s 2,0 s	2,0 s 3,0 s	120 80	Belt	AC	127/220V

Brasso

JETFLEX
TECHNOLOGY



MODEL: ALUMINUM LINEAR BARRIER

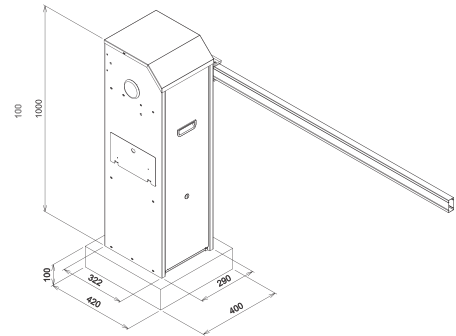
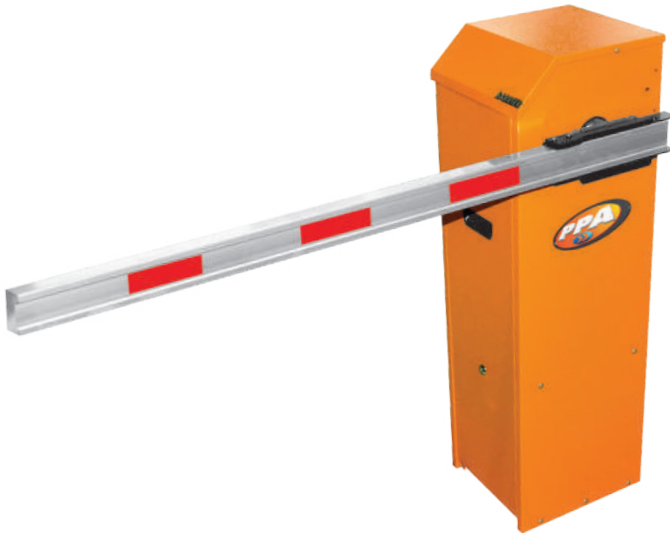
						
2,5 a 3,0 m 3,5 a 4,5 m 5,0 a 6,0 m	1,5 s 2,5 s 6 s	2 s 3,5 s 8 s	200 150 80	Belt	AC	127/ 220V

MODEL: ARTICULATED ALUMINUM BARRIER

						
2,5 a 3,5 m 4,0 m	2 s 3,5 s	2,5 s 4,5 s	120 100	Belt	AC	127/ 220V

Barrier

JETFLEX BRUSHLESS



MODEL: ALUMINUM LINEAR BARRIER

2,5 a 3,0 m	1 s	1,5 s	600 Heavy Duty	Belt	BLDC	127/220V
3,5 a 4,5 m	2,5 s	3 s	300 Heavy Duty			
5,0 a 6,0 m	6 s	8 s	100 Heavy Duty			

MODEL: PVC LINEAR BARRIER

2,5 a 3,0 m	1 s	1,5 s	600 Heavy Duty	Belt	BLDC	127/220V
			Duty			

MODEL: ALUMINUM ARTICULATED BARRIER

2,5 a 3,0 m	1,5 s	2 s	200 Heavy Duty	Belt	BLDC	127/220V
3,5 a 4,5 m	3 s	4 s	150 Heavy Duty			
5,0 a 6,0 m	6 s	8 s	80 Heavy Duty			

MODEL: LINEAR BARRIER

2,5 a 3,5 m	2 s	2,5 s	460 Heavy Duty	Chain	BLDC	127/220V
			Duty			

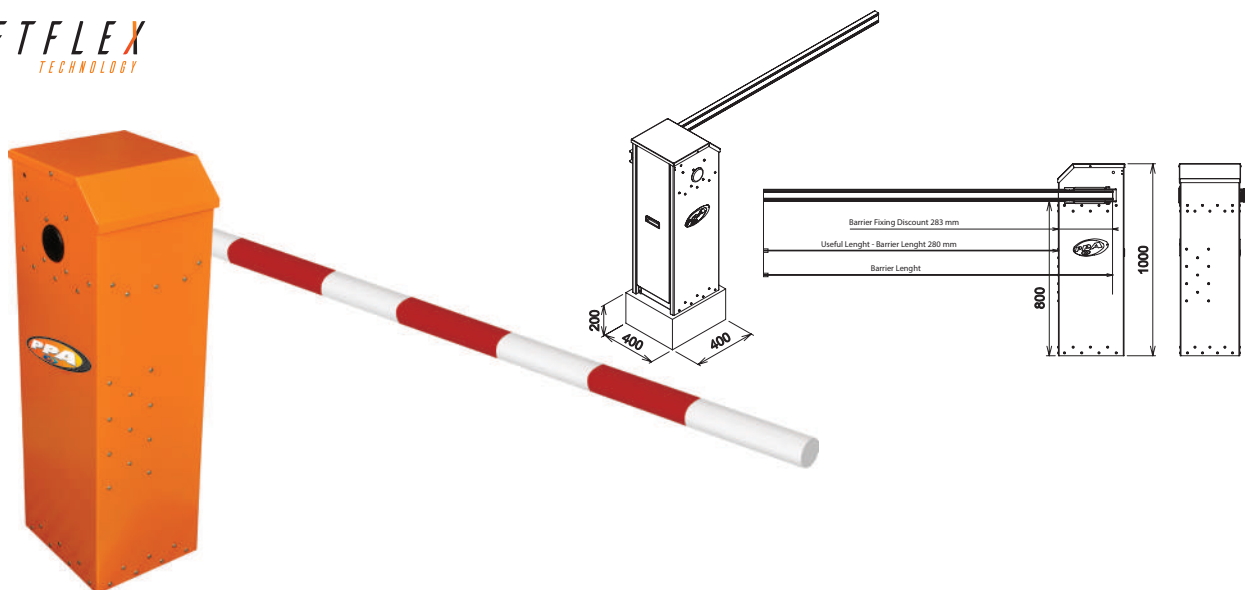
BRC

MODEL: ARTICULATED LINEAR BARRIER

2,5 a 3,0 m	1 s	2,5 s	200 Heavy Duty	Chain	BLDC	127/220V
			Duty			

Sem Parar

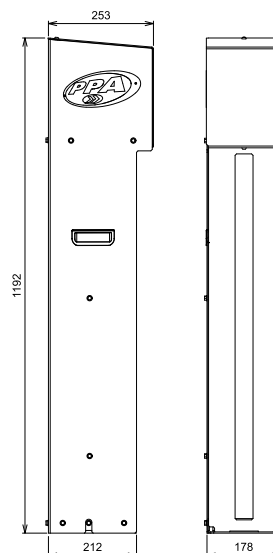
JETFLEX
TECHNOLOGY



MODEL: LINEAR BARRIER

						
2,5 a 3,0 m	0,75 (minimum)	0,75 (minimum)	1200	Belt	AC	127/220V

BC1



MODEL: GALVANIZED STEEL BC1 CUSTOM CHAIN

LEGERO

12 m
3mm chain

0,5 s
(minimum)

40

Spindle

AC

127/220V



MODEL: GALVANIZED STEEL BC1 CHAIN BARRIER

8 m
9mm chain

0,5 s
(minimum)

40

Spindle

AC

127/220V

JETFLEX
TECHNOLOGY



MODEL: PLASTIC CHAIN BC1 CHAIN BARRIER

16 m
5,9 and 15
mm chain

0,5 s
(minimum)

40

Spindle

AC

127/220V





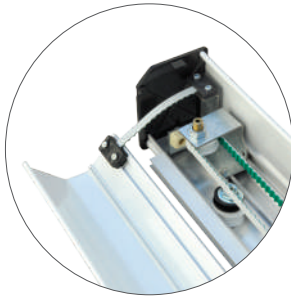
OPERATORS FOR DOORS AND WINDOWS

WHATEVER THE CIRCULATION
VOLUME, PPA HAS THE CORRECT
SOLUTION TO MAKE OPENING
AND CLOSING DOORS EASIER.



Sliding Door Operator

Tore



RAIL IN:



NATURAL
ALUMINUM



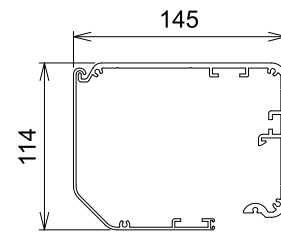
WHITE
PAINT



BLACK
PAINT



ALUMINUM
PAINT



MEASUREMENT IN MILLIMETERS

JETFLEX
BRUSHLESS



50 cm/s
(2 leaves)



Heavy
Duty



1 leaf
2 leaves



100
75



Framed glass
door



Wall, beam
or slab



2,0 to 6,0m



BLDC



127/220 V



Sliding Door Operator

Wind

RAIL IN:



NATURAL
ALUMINUM



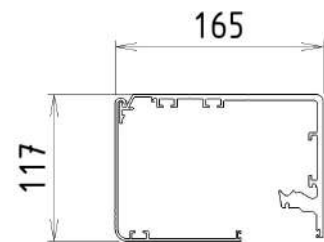
WHITE
PAINT



BLACK
PAINT



ALUMINUM
PAINT



MEASUREMENTS IN MILLIMETERS



50 cm/s
(2 leaves)



Heavy
Duty



1 leaf
2 leaves



200
100



Framed glass
door



Wall, beam
or slab



2,0 to 6,0m



BLDC



127 - 220 V

24V



50 cm/s
(2 leaves)



Heavy
Duty



1 leaf
2 leaves



300
150



Framed glass
door



Wall, beam
or slab



2,0 to 6,0m



BLDC



127 - 220 V

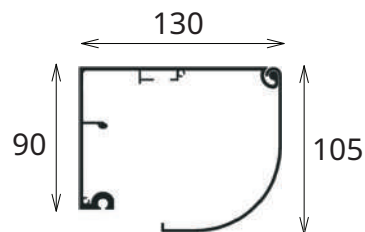


Sliding Door Operator

Línea Slim

FASS

RAIL IN: WHITE PAINT BLACK PAINT ALUMINUM PAINT



MEASUREMENTS IN MILLIMETERS

24V



70 cm/s
(2 leaves)



Heavy
Duty



1 leaf
2 leaves



90
140



Framed glass
door



Wall, beam
vor slab



2,25 to
6,0m



DC



220 V

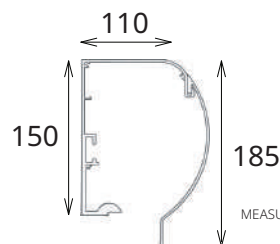


Sliding Door Operator

Línea

FASS

RAIL IN: WHITE PAINT BLACK PAINT ALUMINUM PAINT



MEASUREMENT IN MILLIMETERS

24V



70 cm/s
(2 leaves)



Heavy
Duty



1 leaf
2 leaves



140
250



Framed glass
door



Wall



2,25 to
6,0m



DC



220 V

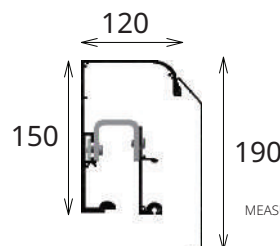


Sliding Door Operator

Línea Duo

FASS

RAIL IN: WHITE PAINT BLACK PAINT ALUMINUM PAINT



MEASUREMENTS IN MILLIMETERS

24V



70 cm/s
(2 leaves)



Heavy
Duty



2 leaves



140



Framed glass
door



Wall



2,25 to
6,0m



DC



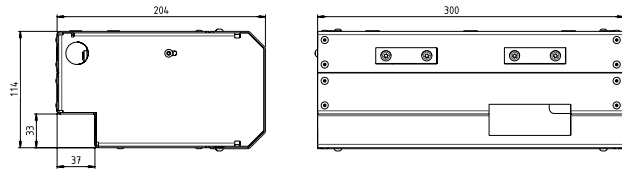
220 V



Rac



RAIL IN: NATURAL ALUMINUM WHITE PAINT BLACK PAINT ALUMINUM PAINT



MEASUREMENT IN MILLIMETERS

JETFLEX
TECHNOLOGY



60 cm/s



50



1 leaf



100



Glass door
Framed door



Wall



1,20 m
(max.)



AC



127 - 220 V

24V



50 cm/s



60



1 leaf



80



Glass door
Framed door



Wall



1,20 m
(max.)



BLDC



85 - 265 V



Automatize

FASS

RAIL IN: WHITE PAINT BLACK PAINT ALUMINUM PAINT



12V



50 cm/s



20



1 leaf



70



Glass door
Framed door



Rail



2,0 to 2,5 m



DC

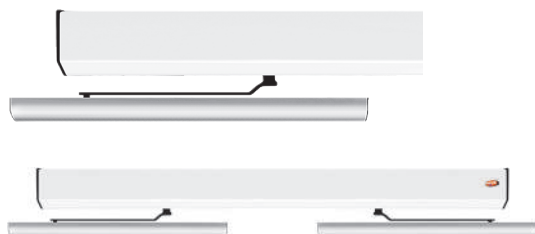


220 V

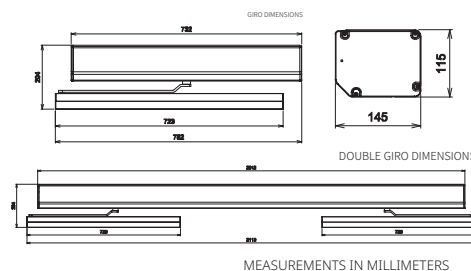


Sliding Door Operator

Giro



RAIL IN: WHITE PAINT BLACK PAINT ALUMINUM PAINT



JETFLEX
TECHNOLOGY



2 s



Heavy
Duty



1 leaf
2 leaves



120



Glass door
Framed door



Wall



1,20 m
(max.)



AC



127 - 220 V

24V



2 s



Heavy Duty
Up to 200 cycles
without power



1 leaf



120



Glass door
Framed door



Wall



1,20 m
(max.)



BLDC



85 - 265 V



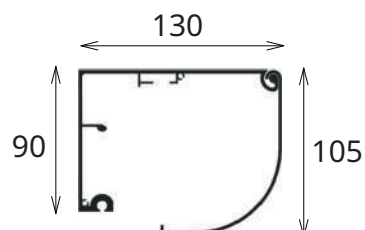
Sliding Door Operator

Suprema

FASS



RAIL IN: WHITE PAINT BLACK PAINT ALUMINUM PAINT



24V



2 s



Heavy Duty
Up to 200 cycles
without power



1 leaf



100



Glass door
Framed door



Wall



1,20 m
(max.)



DC

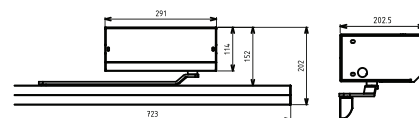
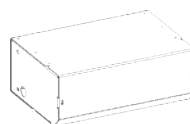


220 V



Spin

RAIL IN:  WHITE PAINT  BLACK PAINT



MEASUREMENTS IN MILLIMETERS

LEGERO



4 s



Heavy
Duty



1 leaf



100



Glass door
Framed door



Wall



1,20 m
(max.)



AC



127 - 220 V

JETFLEX
TECHNOLOGY



2 s



Heavy
Duty



1 leaf



120



Glass door
Framed door



Wall



1,20 m
(max.)



AC

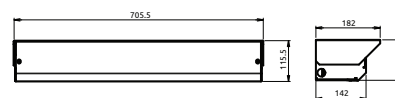
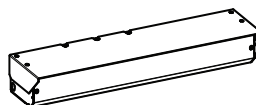


127 - 220 V



Giro Hard

RAIL IN:  WHITE PAINT  BLACK PAINT



MASUREMENTS IN MILLIMETERS

JETFLEX
TECHNOLOGY



2 s



Heavy
Duty



1 leaf



120



Glass door
Framed door



Wall



1,20 m
(max.)



AC



127 - 220 V

24V



2 s



Heavy Duty
Up to 200 cycle
without power



1 leaf



120



Glass door
Framed door



Wall



1,20 m
(max.)



BLDC



85 - 265 V



OPERATORS FOR ROLL-UP DOORS

THE FASTEST WORLDWIDE



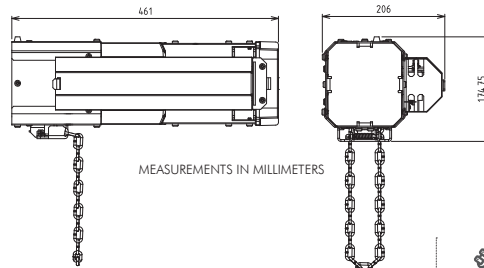
Roller

FASS



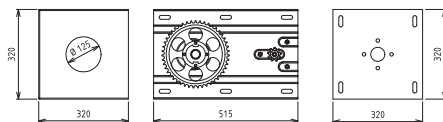
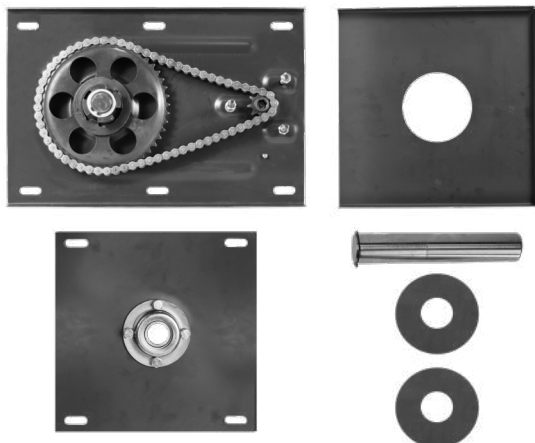
					RPM				
10 e 16 m ²	5,3 m/min	10	1:205	A	1740	AC	127/220	60 Hz	25/12 µF

BR1

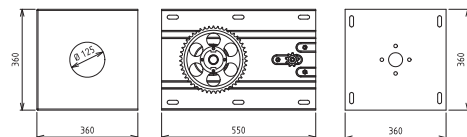


					RPM				
300	5 m/min	6	1:200	A	1740	AC	127-220	60 Hz	50/20 µF
500									60/25 µF

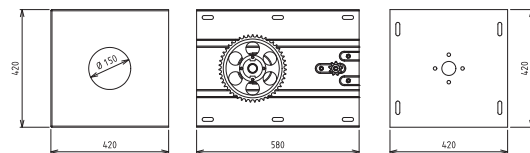
BR1 Head Plates



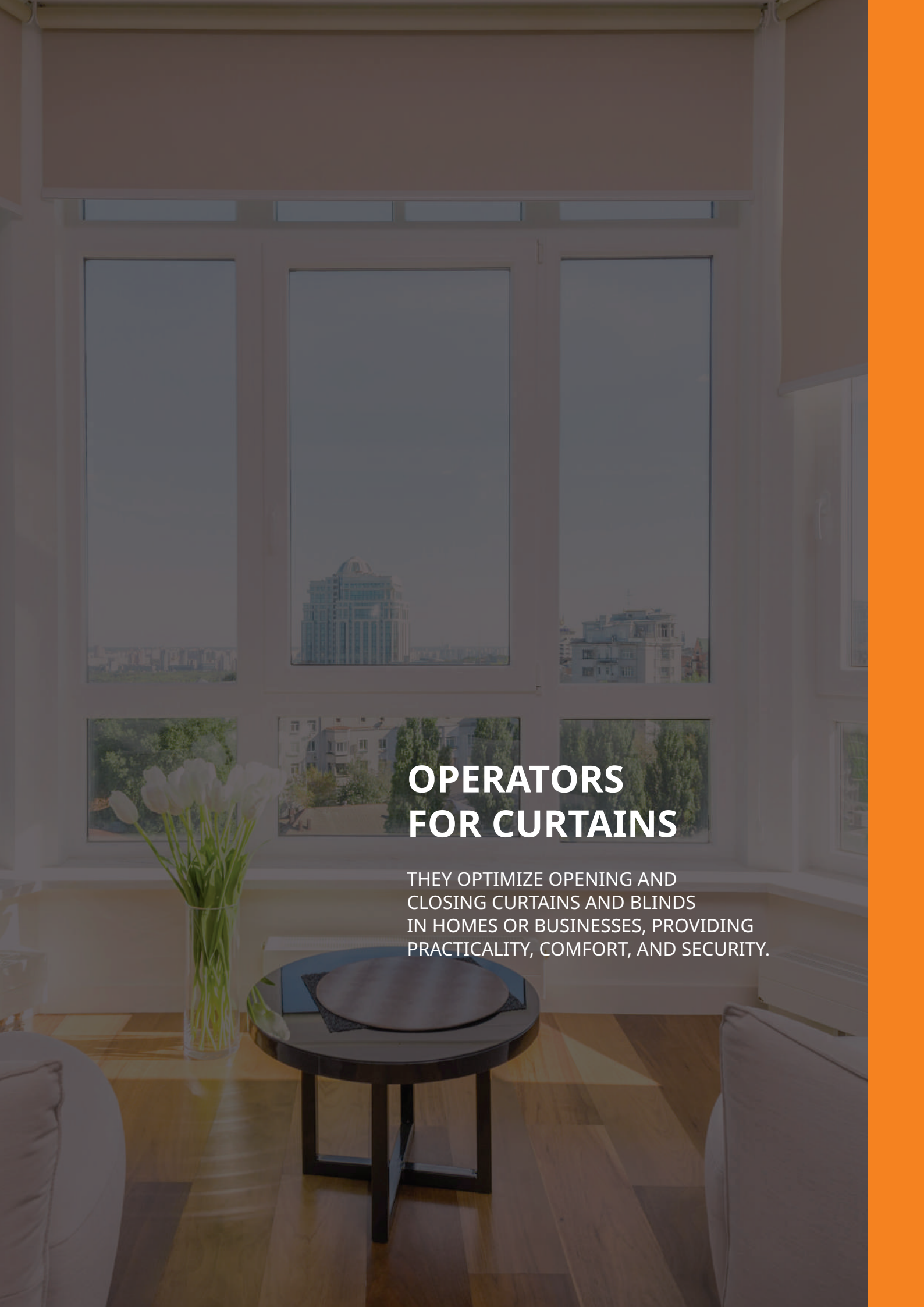
BR AND BR 1 - 1.1 HEAD PLATE



BR AND BR 1 - 1.2 HEAD PLATE



BR AND BR 1 - 1.3 HEAD PLATE

A photograph of a modern living room interior. In the foreground, a round, dark-colored coffee table with a glass top sits on a light-colored wooden floor. To the left of the table is a tall, clear glass vase filled with white tulips. The background features a large, multi-paned window with white frames. The window looks out onto a cityscape with various buildings, including a prominent one with a dome. The room is brightly lit, and the overall atmosphere is clean and contemporary.

OPERATORS FOR CURTAINS

THEY OPTIMIZE OPENING AND
CLOSING CURTAINS AND BLINDS
IN HOMES OR BUSINESSES, PROVIDING
PRACTICALITY, COMFORT, AND SECURITY.



MTM6 Mechanical Tubular Motor



- Mechanical Tubular Motor: 6 Nm
- Input power: 110 V or 220 V
- Torque: 6 Nm
- Mechanical adjustment
- Motor diameter: 35 mm

MTM10 Mechanical Tubular Motor



- Mechanical Tubular Motor: 10 Nm
- Input power: 110 V or 220 V
- Torque: 10 Nm
- Mechanical Adjustment
- Motor diameter: 35 mm

MTM20 Mechanical Tubular Motor



- Mechanical Tubular Motor: 20 Nm
- Input power: 110 V or 220 V
- Torque: 20 Nm
- Mechanical Adjustment
- Motor diameter: 45 mm



MTE6 Electronic Tubular Motor



- Electronic Tubular Motor: 6 Nm with RF
- Available with Wi-fi module via PPA ON App
- Input power: 110 V or 220 V
- Torque: 6 Nm
- Electronic adjustment
- Motor diameter: 35 mm

MTE10 Electronic Tubular Motor



- Electronic Tubular Motor: 10N m with RF
- Available with Wi-fi module via PPA ON App
- Input power: 110 V or 220 V
- Torque: 10 Nm
- Electronic adjustment
- Motor diameter: 35 mm

MTE20 Electronic Tubular Motor



- Electronic Tubular Motor: 20 Nm with RF
- Available with Wi-fi module via PPA ON App
- Input power: 110 V or 220 V
- Torque: 20 Nm
- Electronic adjustment
- Motor diameter: 45 mm



Wi-Fi WMT Module



- WI-FI Module
- 2.4 GHz Wi-Fi connectivity
- App PPA ON

Remote Control for CMT1 Tubular Motor



- Remote control for 1-channel tubular motor.
- Frequency: 433.92 MHz
- Encrypted code
- Battery: 3 V CR2032

Remote Control for CMT2 Tubular Motor



- Remote control for 2-channel tubular motor.
- Frequency: 433.92 MHz
- Encrypted code
- Battery: 3 V CR2032

Remote Control for CMT6 Tubular Motor



- Remote Control for 6-channel tubular motor.
- Frequency: 433.92 MHz
- Encrypted code
- Battery: 3 V CR2032



CONTROL BOARD

PPA TECHNOLOGY.
100% NATIONAL.
HIGH PERFORMANCE AND SECURITY.
EASY INSTALLATION AND OPERATION.



Control Board for Triflex Gate

JETFLEX 24V

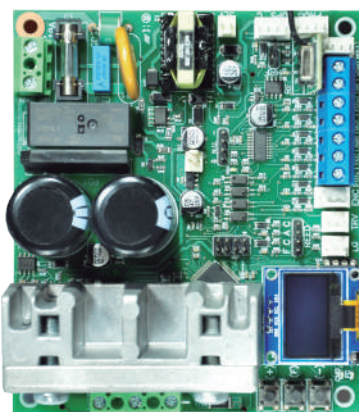


- Jetflex 24V Technology.
- Automatic dual voltage power supply.
- Operation with battery: 24 V.
- Hybrid or digital limit switch.
- Individual open and close command inputs.
- Independent open and close photocell inputs.
- Compatible with PROG, PPA ON, and CONNECT line devices.



Control Board for Triflex Full Range Display Gate and Barrier

JETFLEX
TECHNOLOGY

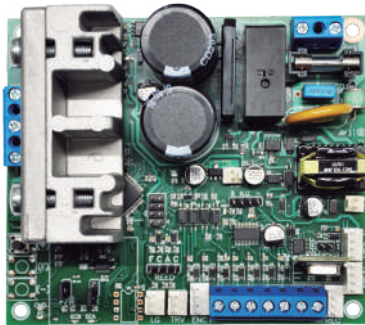


- Frequency inverter for three-phase induction motors.
- Automatic dual voltage power supply
- Graphic display for programming.
- Hybrid or digital limit switch
- Individual open and close command inputs.
- Independent open and close photocell inputs.
- Compatible with PROG, PPA ON, and CONNECT line devices.



Control Board for Triflex Full Range Gate and Barriers

JETFLEX
TECHNOLOGY

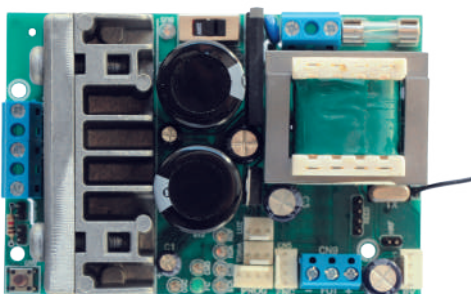


- Frequency inverter for three-phase induction motors.
- Automatic dual voltage power supply
- Hybrid or digital limit switch
- Individual open and close command inputs.
- Independent open and close photocell inputs.
- Compatible with PROG, PPA ON, and CONNECT line devices.



Control Board for Triflex Facility Gate

JETFLEX
TECHNOLOGY

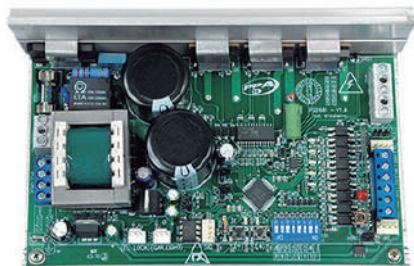


- Frequency inverter for three-phase induction motors.
- Dual voltage power supply.
- Compatible with PROG.
- Hybrid or Digital limit switch system.



Control Board for Triflex Connect Ind Gate

JETFLEX
TECHNOLOGY



- Frequency inverter for three-phase induction motors.
- Dual voltage power supply.
- Ideal for high-flow industrial applications.
- Programming by DIP Switch or PROG.
- Hybrid or digital limit switch
- Individual open and close command inputs.



Control Board for Triflex Full Range Display Brushless Gate and Barrier

JETFLEX
BRUSHLESS



- Frequency inverter for Brushless motors.
- Automatic dual voltage power supply.
- Graphic display for programming.
- Hybrid or digital limit switch
- Individual open and close command inputs.
- Independent open and close photocell inputs.
- Compatible with PROG, PPA ON, and CONNECT line devices.



Control Board for Triflex Connect Brushless PS Front Door

JETFLEX
BRUSHLESS



- Frequency inverter for Brushless motors.
- Used in automatic doors.
- Dual voltage power supply.
- Digital limit switch system.
- Quick and easy programming using the FUNCTION SELECTOR.
- Output for electromagnet lock.
- Inputs for internal and external sensors.
- Compatible with access control systems.



Control Board for Logic Door Brushless Front Door

JETFLEX
BRUSHLESS



- Frequency inverter for Brushless motors.
- Used in automatic doors.
- Automatic dual voltage power supply
- Digital limit switch system.
- Quick and easy programming using the FUNCTION SELECTOR.
- Output for electromagnet lock.
- Inputs for internal and external sensors.
- Compatible with access control systems;
- Self-learning technology makes installation easier.
- Buzzer for alarm and status signaling.

Control Board for Triflex Connect

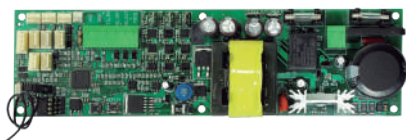
24v Gate and Barrier



- Frequency inverter for DC Brushless 24V motors.
- Automatic dual voltage power supply
- Operation with battery: 24 V.
- Hybrid or digital limit switch.
- Compatible with PROG, PPA ON, and CONNECT line devices.

Control Board for Wind Logic Front Door

24V



- Frequency inverter for DC Brushless 24V motors.
- Used in automatic doors.
- Automatic dual voltage power supply
- Operation with battery: 24 V.
- Digital limit switch system.
- Quick and easy programming using the FUNCTION SELECTOR.
- Compatible with PROG, PPA ON, and CONNECT line devices.
- Output for electromagnet lock.
- Inputs for internal and external sensors.
- Compatible with access control systems.
- Self-learning technology makes installation easier.
- Buzzer for alarm and status signaling.

Control Board for Agility Hybrid Gate



- Control board for single-phase induction motor.
- Automatic dual voltage power supply.
- Analog, Hybrid, or Digital limit switch systems.
- Quick and practical adjustment using pre-configuration jumpers.
- Compatible with PROG, PPA ON, and CONNECT line devices.

Control Board for Agility Pop Freio Gate



- Control board for single-phase induction motor.
- Automatic dual voltage power supply.
- Analog limit switch system.
- Brake adjustment.

Control Board for Agility Plus Gate



- Control board for single-phase induction motor.
- Automatic dual voltage power supply.
- Analog limit switch system.
- Recommended functions for access control ideal for gated communities.
- Compatible with PROG.
- Alarm function, panic button on the transmitter and siren output.

Control Board for Agility Top Gate

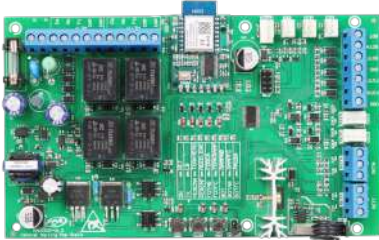


- Control board for single-phase induction motor.
- Automatic dual voltage power supply.
- Compatible with Legero technology.
- Analog, Hybrid, or Digital limit switch systems.
- Gate alarm function, 1 limit switch sector + 8 wireless sensors.
- Battery charger and siren output.
- Transmitter individual blocking and deletion via PROG.
- Recommended functions for access control ideal for gated communities.
- Connection with Agility Slave control board for dual pivoting and interlocking applications.
- Individual open and close command inputs.
- Independent open and close photocell inputs.
- Compatible with PROG, PPA ON, and CONNECT line devices.



Double Control Board for Agility Gate

LEGERO



- Double control board for single-phase induction motor.
- Used in double swing gate operators and lobbies with interlocking door systems.
- Automatic dual voltage power supply
- Compatible with Legero technology.
- Analog, Hybrid, or Digital limit switch systems.
- Built-in Wi-Fi module option.
- Transmitter individual blocking and deletion via PROG.
- Recommended functions for access control ideal for gated communities.
- Individually programmed delay time.
- Individual open and close command inputs.
- Independent open and close photocell inputs.
- Compatible with PROG, PPA ON, and CONNECT line devices.



Control Board for Agility Levante Gate

LEGERO

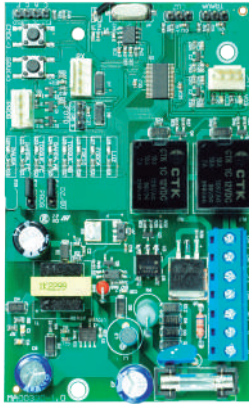


- Control board for horizontal overhead gate operators.
- Control board for automatic dual voltage - 127 VAC/220 VAC 50 or 60 Hz.
- LED courtesy light activation with built-in power source.
- Digital limit switch system.
- Radio frequency receiver (RF): built into the control board.
- Capacity of 240 transmitters with PPA Safe Code technology.
- Lock output.
- Photocell and push-button input.
- Compatible with PROG, and CONNECT PPA and PPA ON line devices.



Control Board for Agility Legero Gate

LEGERO



- Control board for single-phase induction motor.
- Automatic dual voltage power supply
- Compatible with Legero technology.
- Hybrid or digital limit switch
- Compatible with PROG, PPA ON, and CONNECT line devices.



Control Board for Agility Hybrid CE Gate



- Control board for single-phase induction motor.
- Compatible with Legero technology.
- Automatic dual voltage power supply.
- Analog (Reed), digital (Encoder) or hybrid limit switch system.
- Gate anti-crush system with fast reversal time.



Control Board for Central Agility Slave Gate



- Addressable module for single-phase induction motor actuation.
- Agility control board expansion for double swing gate operators and lo interlocking door system.





ALARM SYSTEMS

THEY CAN PROTECT ONE OR SEVERAL
PLACES, KEEPING THE PATRIMONY
SECURITY AND INTEGRITY AND THE
USER'S PEACE OF MIND.



C36 SMART ON Alarm



- Arming and disarming via remote control or app.
- All programming made via PPA On app.
- 4 wireless zones.
- Up to 32 wireless zones.
- Up to 32 remote controls.

C40 BATTERY SMART ON Alarm



- It comes with lithium batteries.
- Arming and disarming via remote control or app.
- All programming made via PPA On app.
- Up to 8 wired zones on the control board.
- Accepts up to 32 controls and 32 wireless sensors.



C2 Alarm



- Two wired zones.
- Up to 30 wireless devices.
- One siren output with short circuit protection.
- LED status auxiliary output.
- Compatible with the main wireless sensors in the market.

C4 Alarm



- 4 wired/wireless mixed zones.
- Arm/Disarm input to connect keypad, receiver, among others.
- Accepts up to 32 controls and 32 wireless sensors.
- Connection with PPA (PROG) programming keypad.
- Connection for dialer with arm/disarm, armed status, trigger functions.

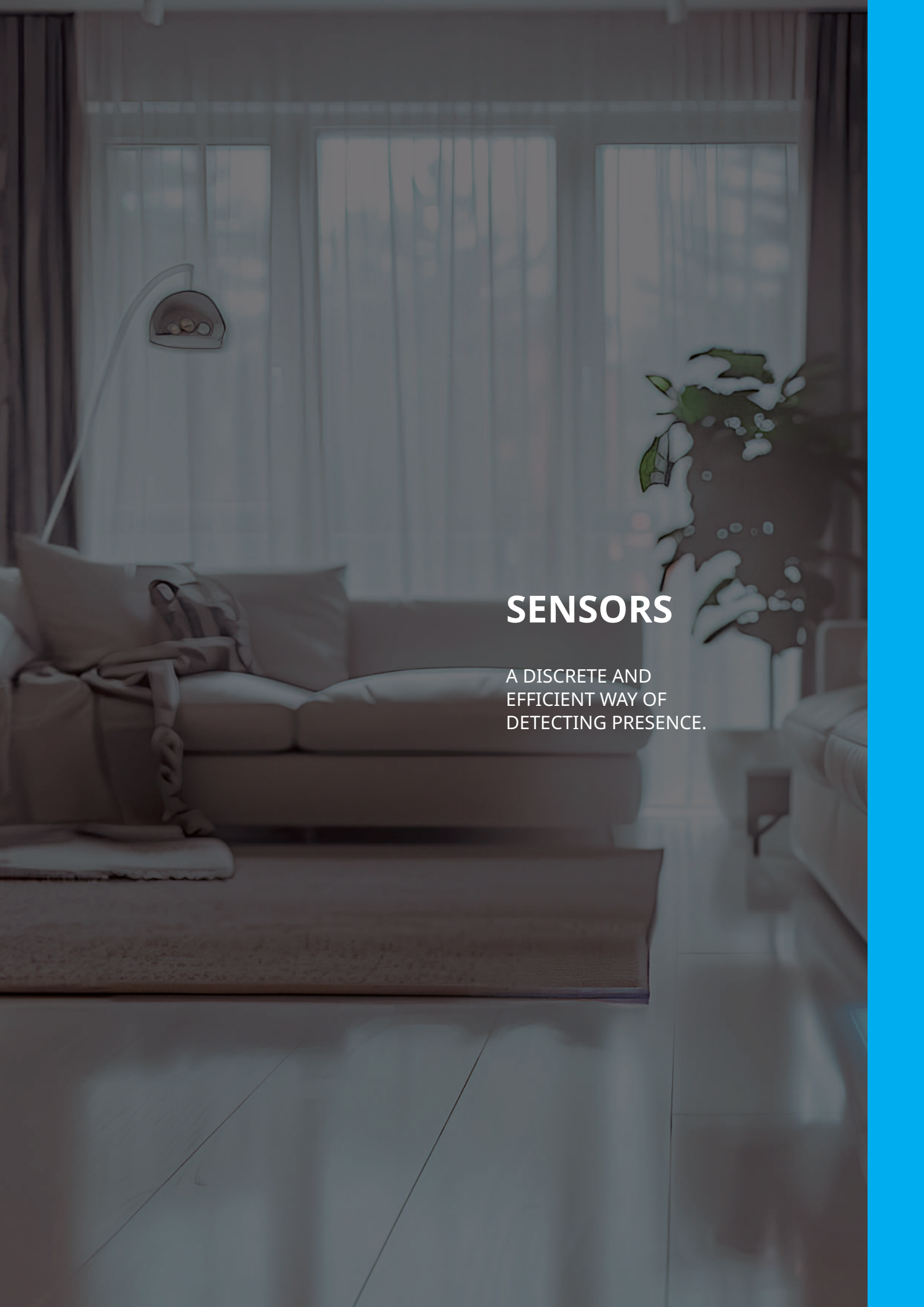


Hook Alarm



- With Hook you can activate an alarm for medical and security emergencies through a simple touch on your smartphone screen or remote control to generate an automated notification for a group of people of your home or school community.
- Used in security emergencies, such as robberies, break-ins, domestic violence and medical emergencies.
- Module with strobe light and electromechanical siren.
- Communication via Wi-fi, Ethernet, or 4 g.
- Chat for user interaction in case of emergencies.
- Camera integration.
- It identifies user's address and contact.
- It accesses user's medical record.
- Shared surveillance system.



A photograph of a modern living room interior, featuring a large window with sheer curtains, a light-colored sofa, a floor lamp, and a potted plant. The image is overlaid with a semi-transparent dark blue filter. The text "SENSORS" is prominently displayed in white, bold, uppercase letters on the right side of the image.

SENSORS

A DISCRETE AND
EFFICIENT WAY OF
DETECTING PRESENCE.



Microwave Sensor for **SMW3** Automatic Doors



- 3-meter microwave sensor.
- 3-meter maximum height.
- Directional motion detection.
- Power supply: 12 to 24 V AC/DC 50/60 Hz.
- Protection rating: IP54
- Maximum current: 1 A

Microwave Sensor for **SMW5** Automatic Doors



- 5-meter microwave sensor.
- 5-meter maximum height.
- Directional motion detection.
- Power supply: 12 to 24 V AC/DC 50/60 Hz.
- Protection rating: IP54
- Maximum current: 1 A

Microwave and Infrared Sensor with **SMI2** curtain



- 2- meter curtain.
- Activation and security mode.
- 3-meter maximum height.
- 2-meter-wide infrared curtain.
- Power supply: AC/DC 12-30 V



Microwave and Infrared Sensor with **SMI4** curtain



- 4-meter microwave and infrared sensor with curtain.
- Activation and security mode.
- 2.5-metros maximum height.
- 4-meter-wide infrared curtain.
- Power supply: AC/DC 12-30 V

Microwave and Infrared Sensor with **SMI4** curtain



- Human presence wi-fi camera sensor.
- Human presence detection.
- 6-meter maximum height.
- Capture area programmable via PPA ON App.
- Real-time monitoring.
- Power supply: AC/DC 12-30 V
- Overhead or built-in installation kit.



F32 Photocell



- Single beam infrared sensor compatible with all control boards in the market.
- Maximum range: 32 m
- Power supply voltage: 12 to 24 VDC.
- Maximum current consumption: 55 mA.
- NO, NC, and pulse output (configurable).
- Immediate activation.
- Digital and micro-controlled technology.
- Immune to noise.
- Tuning LED indicator.
- Passive or active mode relay (configurable).
- 3-level emission power control.
- Weather resistant.



F32 PLUS Photocell



- Compatible with all control boards in the market.
- Maximum range: 32 m
- Power supply voltage: 12 to 24 VDC.
- Maximum current consumption: 70 mA.
- NO, NC, and pulse output (configurable).
- Immediate activation.
- Digital and micro-controlled technology.
- Immune to noise.
- Tuning LED indicator.
- Passive or active mode relay (configurable).
- 3-level emission power control.
- Hinged base for assistance during alignment.
- Connections via terminal connector.
- Weather resistant.

F10-R Reflective Photocell



- Reflective photocell.
- Up to 8-meter range.
- NO / NC / Pulsing output.
- It can be used outdoors.
- Alignment and signal intensity LED indicator.
- Maximum current consumption: 80 mA.
- Immediate activation.
- Passive or active mode relay (configurable).
- 2-level emission power control.
- Template to help with installation.



F-E Built-in Photocell



- A security device that avoids accidents during automatic door closing.
- It detects obstacles and sends a signal to the operator to stop the door closing and reverse its movement.



Double Beam Interface For built-in photocell



- It allows two pairs of built-in photocells to communicate with the front door control board.



Smart Slim RF



- Passive infrared sensor for indoor protection.
- Passive infrared sensor with PET.
- Dual element digital PIR sensor.
- 433.92 MHz wireless communication.
- 100-meter communication range (without obstacles).
- Battery: CR2450 (included).
- Milky Fresnel lens.
- Digital pyroelectric element with high noise immunity and high detection sensitivity.
- 5-level adjustable sensitivity.
- Up to 12-meter detection range.

WIRELESS IVP

Smart Slim PET



- Passive infrared sensor for indoor protection.
- Dual element digital PIR sensor.
- 3-level adjustable sensitivity.
- On/off LED.
- NO/NC relay.
- Up to 12-meter range.
- Detection angle: 110°.
- Power supply voltage: 9 to 18 Vdc.
- Consumption: 10 mA @12 Vdc.

WIRED IVP



Smart PET PRO



- Passive infrared sensor for indoor protection.
- Dual element digital PIR sensor.
- High immunity against unwanted triggers.
- 3- level adjustable sensitivity.
- On/off LED.
- NO/NC relay.
- Up to 14-meter range.
- Detection angle: 110°.
- Power supply voltage: 9 to 18 VDC.
- Consumption: 5 mA @12 VDC.

WIRED IVP



SMART SLIM Magnetic Sensor



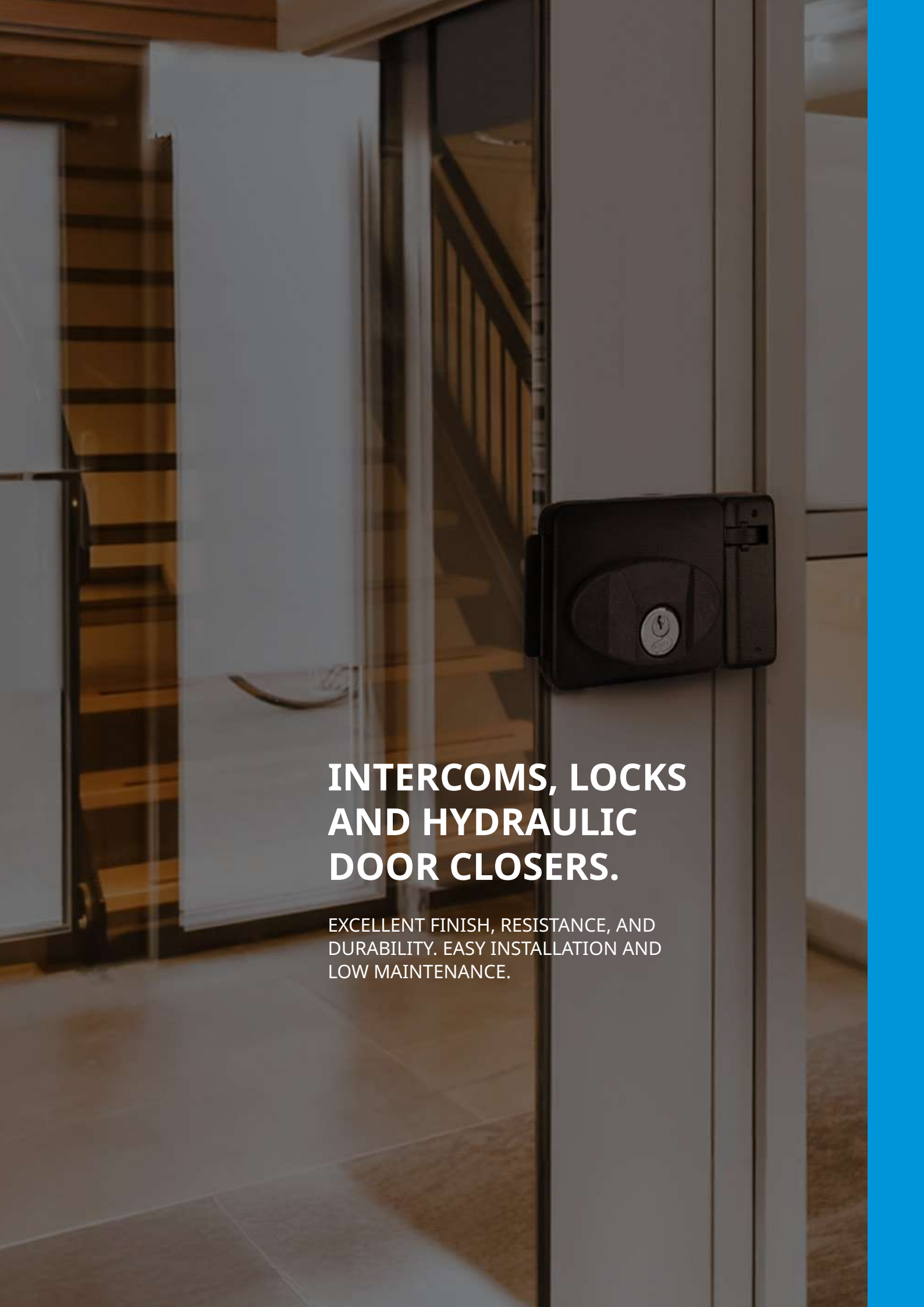
- Door and window opening sensor for indoor protection.
- 433.92 MHz wireless communication.
- 100-meter communication range (without obstacles).
- Battery: CR2032 (included).
- High immunity digital magnetic sensor.
- Magnetic Tampering detection.

WIRELESS MAGNETIC SENSOR

SMG10 Steel Gates and Doors Magnetic Sensor



- Magnetic sensor for steel doors.
- Normally closed contact.
- Armored structure
- Protection with metallic cable.
- Adjustable fixing plate.

A photograph of a modern glass door with a black lock. The door is partially open, revealing a staircase with wooden steps and railings in the background. The floor is made of light-colored tiles. A solid blue vertical bar is on the right side of the image.

INTERCOMS, LOCKS AND HYDRAULIC DOOR CLOSERS.

EXCELLENT FINISH, RESISTANCE, AND
DURABILITY. EASY INSTALLATION AND
LOW MAINTENANCE.



Electronic Intercom

GPI1000T - External power supply via transformer



- 127/220 Vac dual voltage power supply selectable on the external panel.
- Activation of a pulsating 12-V electric lock via the handset or an auxiliary push-button.
- It does not unlock the lock with a short circuit in the audio line.
- Easy installation using only two cables between the front and the handset.
- It allows up to 3 handsets (main + 2 extensions).
- Front and handset cover the 4x2" box perfectly.
- Tampering function that prevents unlocking the lock and activates the anti-theft alarm.

GPI1000E - Switched-mode external power supply

GPI1000I - Switched-mode internal power supply



- 90-240 Vac automatic dual voltage power supply.
- Activation of a pulsating 12-V electric lock and a NO/NC relay via the handset or an auxiliary push-button.
- It does not unlock the lock with a short circuit in the audio line.
- Easy installation using only two cables between the front and the handset.
- It allows up to 3 handsets (main + 2 extensions).
- Front and handset cover the 4x2" box perfectly.
- Tampering function that prevents unlocking the lock and activates the anti-theft alarm.
- Tamper connectable to an alarm system.
- Open gate beep function.
- Do not disturb function.

GPM1000 - Universal Intercom



- Activation of two locks, selectable encryption or short circuit on the audio line.
- Excellent audio and touch quality.
- Selectable positive or negative touch.
- Compatible with other brands.
- Input for two push-buttons.
- It covers the standard 4x2" box perfectly.
- No need to open it to install it.



Electromagnetic Locks

Dog Steel



COLORS   

- Electromagnetic lock for gates.
- Available in 127V or 220V electrical voltages.
- Produced in carbon steel sheet with electrostatic paint.
- Solid carbon steel pin.
- Steel sheet base.
- Anti-tamper steel ramp.
- Compatible with overhead, sliding, and swing gates.

Dog Steel Custom



COLORS   

- Electromagnetic lock for gates.
- Available in 127V or 220V electrical voltages.
- Produced in carbon steel sheet with electrostatic paint.
- Aluminum pin.
- Steel sheet base.
- Anti-tamper steel ramp.
- Compatible with overhead, sliding, and swing gates.

Dog



COLORS   

- Electromagnetic lock for gates.
- Available in 127V or 220V electrical voltages.
- Produced in aluminum with electrostatic paint.
- More resistant to oxidation.
- Aluminum pin.
- Anti-tamper steel ramp.
- Compatible with overhead, sliding, and swing gates.
- The most silent lock in the market.



Lock

Traver 90



COLORS   

- Latch reversible mode.
- Activation compatible with electronic intercoms, push-buttons, and access control systems.
- Market standard drilling.
- 42-mm standard cylinder.
- 12-V power supply.
- Internal and external opening.
- Available in the model with 55-mm cylinder.
- Adjustable cylinder.

Reversible Traver Uno



COLORS   

- Latch reversible mode.
- Outstanding finish in black, white, and grey.
- Easy installation for several types of doors and gates.
- More resistance and durability.
- Activation compatible with electronic intercoms, push-buttons, and access control systems.

Traver Uno



- Outstanding finish in black, white, and grey.
- Easy installation for several types of doors and gates.
- More resistance and durability.
- Activation compatible with electronic intercoms, push-buttons, and access control systems.
- Less noise when opening.
- Silent closing eliminates the need to slam the door to close it.



Lock

FP110 Overlap lock with password



- Electromagnetic lock for gates.
- Available in 127V or 220V electrical voltages.
- Produced in aluminum with electrostatic paint.
- More resistant to oxidation.
- Aluminum pin.
- Anti-tamper steel ramp.
- Compatible with overhead, sliding, and swing gates.
- The most silent lock in the market.

FP310 Overlap lock with password and biometry



- Opening via biometry, password, and card (up to 100 users).
- Up to 9 administrators.
- Battery useful life: 8000 openings
- Power supply: 4 AA alkaline batteries (1.5 V).
- It can be installed in any wood, steel or aluminum swing door.
- Emergency unlocking via USB-C.

Embutir Smart On FS810



- Smart Embutir lock.
- ABNT 55-mm installation standard - PPA ON App.
- Opening via biometry, password, and card (up to 300 users)
- Up to 9 administrators.
- Temporary password.
- Battery useful life: 1 year, being 10 openings per day.
- Power supply: 4 AA alkaline batteries (1.5 V).
- Unlocking with a key.
- Low battery warning.
- Emergency unlocking via USB-C.



Electromagnet

P100 P150 P200 P400 P600



- 12 V voltage.
- Magnetic pulling force of 100 / 200 / 400 / 600 kg.
- Made from steel sheets with electrostatic treatment and painting – very resistant to corrosion.
- Available in white, black, grey and in stainless steel.
- Compatible with different setting – it has brackets to adapt it to every kind of installation (unevenness of up to 20 mm).
- Compatible with all access control systems available in the market.
- It has a sensor for door installation which shows the a indicates the “door status in the closed position” (not locked).
- It does not require external magnetic sensors, which reduces labor with installation and running cables.

Kit P100 P200



SIMPLE
PIVO

DOUBLE
PIVO

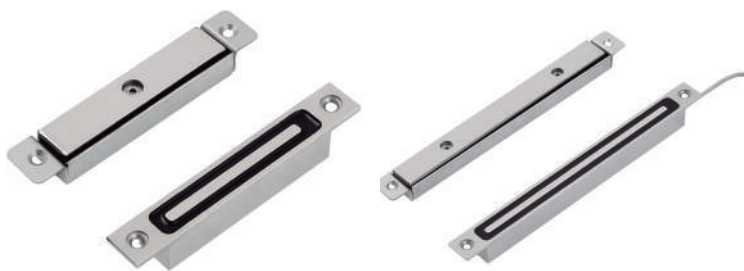
SIMPLE
DZ

DOUBLE
DZ

COLORS   

- Kit to install electromagnetic locks in swing and sliding doors with one or two leaves.
- Outstanding design and easy installation.

Slim 50kg 100kg

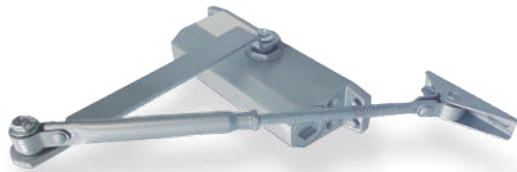


- | | |
|--|--|
| • Pulling force: 50 KgF. | • Pulling force: 100 KgF. |
| • Voltage: 12 VDC. | • Voltage: 12 VDC. |
| • Nominal chain: 160 mA. | • Nominal chain: 250 mA. |
| • Power: 1.98 W. | • Power: 2.5 W. |
| • Monthly consumption: ~1.38 Kw/h. | • Monthly consumption: ~1,8 Kw/h. |
| • Dimensions (electromagnet) | • Dimensions (electromagnet) |
| • 144x22x22 mm – Weight w/out bracket: 0.280 kg. | • 253x22x22 mm - Weight w/out bracket: 0.560 kg. |
| • Model without sensor. | • Model without sensor. |



Hydraulic Door Closer

F2 F3 F4 Hydraulic Door Closer



COLORS



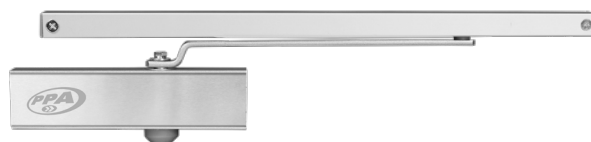
- Door weight: F2 - Up to 45 kg.
- Door weight: F3 - Up to 65 kg.
- Door weight: F4 - Up to 85 kg.
- Adjustable speed.
- Finish: white, black, and grey.
- Door width: 900x1800 mm.
- Up to 180° opening.
- Installation template.

Glass fixing bracket for Hydraulic Door Closer

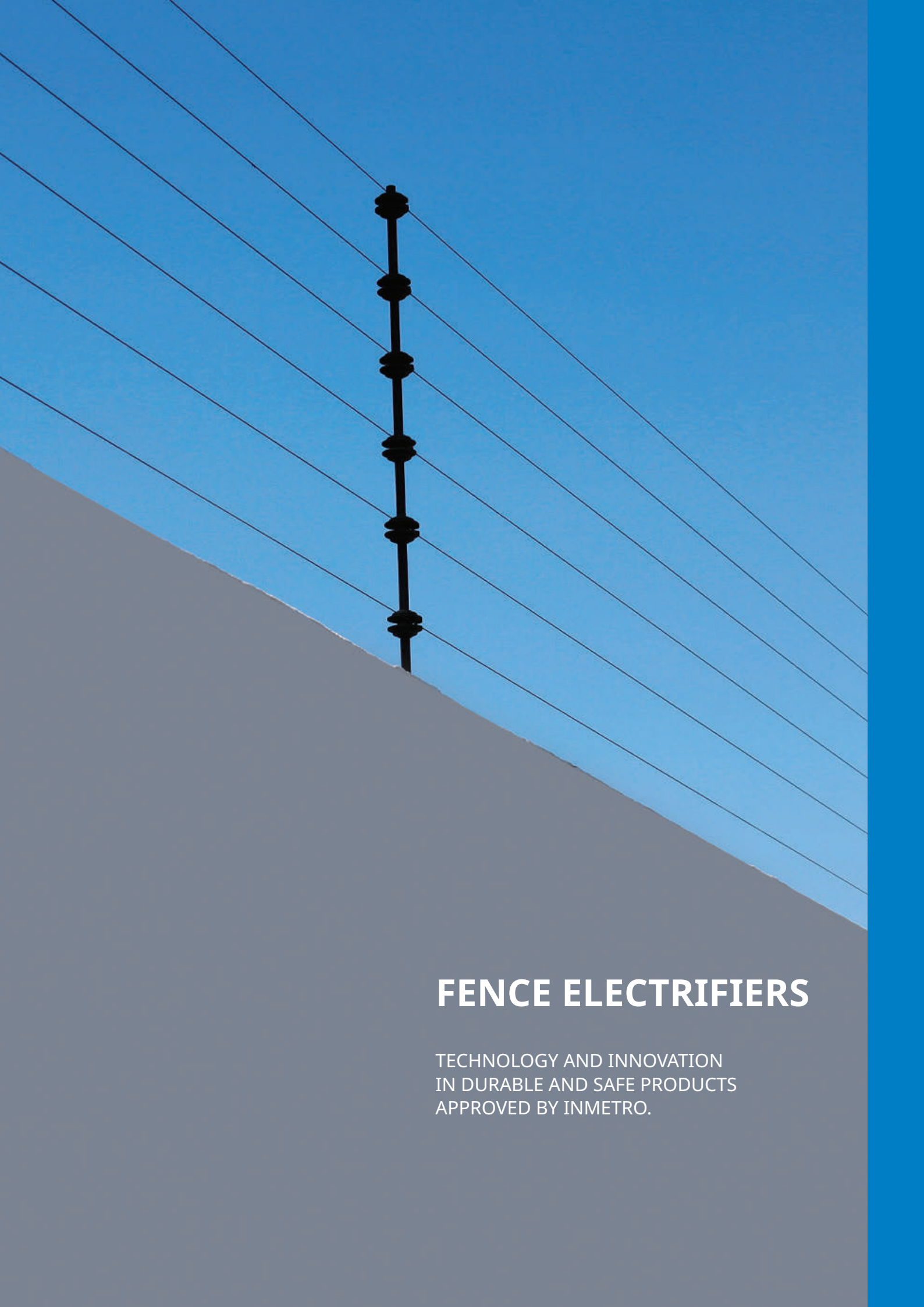


- Bracket to install hydraulic door closers in glass doors.

AS34 Hydraulic Door Closer



- Overlap open door function.
- $\frac{3}{4}$ strength.
- Door weight: 40 to 60 kg.
- Width: 600 to 1200 mm.
- Up to 1 million cycles.



FENCE ELECTRIFIERS

TECHNOLOGY AND INNOVATION
IN DURABLE AND SAFE PRODUCTS
APPROVED BY INMETRO.



ULTRA 22K SMART ON PPA ON ELECTRIFIER



- Voltage output: 12,000 V or 22,000 V (adjustable).
- Output energy: 2 Joules.
- It electrifies up to 5.000 meters of wire.
- 2 independent alarm sectors.
- Registration of up to 30 wireless devices (433.92 MHz standard).
- Arm and disarm via remote control or app (PPA On).

NOTE: ATTENTION WHEN ENABLING FUNCTIONS VIA APP.

Ultra 20K Smart On PPA ON Electrifier



- Voltage output: 12,000 V or 20,000 V (adjustable).
- Output energy: 1.5 Joule.
- It electrifies up to 5.000 meters of wire.
- 2 independent alarm sectors.
- Registration of up to 30 wireless devices (433.92 MHz standard).
- Arm and disarm via remote control or app (PPA On).

NOTE: ATTENTION WHEN ENABLING FUNCTIONS VIA APP.

CR2S SMART ON Electrifier



- Voltage output: 4,000 V to 10,000 V (adjustable via app).
- Output energy: 0.5 Joule.
- It electrifies up to 1.200 meters of wire.
- 2 independent alarm sectors.
- Registration of up to 30 wireless devices via control board or app (433.92 MHz standard).
- Arm and disarm, configurations and notifications via APP.



Kit 18K + WI-FI module



- Voltage output: 12,000 V or 18,000 V (adjustable).
- Output energy: 1.9 Joule.
- It electrifies up to 5.000 meters of wire.
- Arm and disarm via remote control or app app.
- 2 independent alarm sectors.
- Registration of up to 30 wireless devices (433.92 MHz standard).
- Arm and disarm via remote control or app (via PPA On Wi-Fi module).

NOTE: ATTENTION WHEN ENABLING FUNCTIONS VIA APP.

Shock Battery



- Voltage output: 10,000 V.
- Output energy: 0.5 Joule.
- It electrifies up to 1.200 meters of wire.
- 1 independent alarm sector.
- Registration of up to 42 wireless devices (433.92 MHz standard).
- It comes with lithium battery.
- Arm and disarm via remote control.

Ultra 22k Electrifier



- Voltage output: 4,000 V to 2,000 V (adjustable).
- Output energy: 2.0 Joules.
- It electrifies up to 5.000 meters of wire.
- 2 independent alarm sectors.
- Registration of up to 30 wireless devices (433.92 MHz standard).
- Arm and disarm via remote control or app (PPA On).

NOTE: ATTENTION WHEN ENABLING FUNCTIONS VIA APP.
IT REQUIRES SMART PPA ON FENCE MODULE THAT IS SOLD SEPARATELY.



ULTRA 20K Electrifier



- Voltage output: 4,000 V to 20,000 V (adjustable).
- Output energy: 1,5 Joule.
- It electrifies up to 5.000 meters of wire.
- 2 independent alarm sectors.
- Registration of up to 30 wireless devices (433.92 MHz standard).
- Arm and disarm via remote control or app (PPA On).

NOTE: ATTENTION WHEN ENABLING FUNCTIONS VIA APP.
IT REQUIRES SMART PPA ON FENCE MODULE THAT IS SOLD SEPARATELY.

18K



- Voltage output: 12,000 V or 18,000 V (adjustable).
- Output energy: 1.9 Joule.
- It electrifies up to 5.000 meters of wire.
- 2 independent alarm sectors.
- Registration of up to 30 wireless devices (433.92 MHz standard).
- Arm and disarm via remote control or app (via PPA On Wi-Fi module sold separately).

CONTATTO WI-FI MODULE, WHICH IS SOLD SEPARATELY, IS REQUIRED TO USE THE APP.

10K Double Electric Shock



- Patented double electric shock technology +10 KV/-10 KV simultaneous.
- Output energy: 5 Joules.
- It electrifies up to 3.000 meters of wire.
- 1 independent alarm sector.
- Registration of up to 42 wireless devices (433.92 MHz standard).
- Arm and disarm via remote control.



10K Power



- Voltage output: 10,000 V.
- Output energy: 1.5 Joule.
- It electrifies up to 5.000 meters of wire.
- Arm and disarm by magnetic key.
- Anti-tamper system.

10K CRI Industrial



- Voltage output: 10.000 V.
- Output energy: 5 Joules.
- It electrifies up to 15.000 meters of wire.
- 1 independent alarm sector.
- Registration of up to 42 wireless devices (433.92 MHz standard).
- Arm and disarm via remote control.

Compact Power CR



- Voltage output: 10,000 V.
- Output energy: 0,5 Joule.
- It electrifies up to 5.000 meters of wire.
- 2 independent alarm sectors.
- Registration of up to 30 wireless devices (433.92 MHz standard).
- Entrada 110/220.
- Arm and disarm via remote control or app (via PPA On Wi-Fi module sold separately).

CONTATTO WI-FI MODULE, WHICH IS SOLD SEPARATELY, IS REQUIRED TO USE THE APP.



Compact CR



- Voltage output: 10,000 V.
- Output energy: 0.5 Joule.
- It electrifies up to 1,200 meters of wire.
- 2 independent alarm sectors.
- Registration of up to 30 wireless devices (433.92 MHz standard).
- Arm and disarm via remote control or app (via PPA On Wi-Fi module sold separately).

CONTATTO WI-FI MODULE, WHICH IS SOLD SEPARATELY, IS REQUIRED TO USE THE APP.

Compact CR Economy



- Voltage output: 10,000 V.
- Output energy: 0.5 Joule.
- It electrifies up to 1,200 meters of wire.
- 1 independent alarm sector.
- Registration of up to 42 wireless devices (433.92 MHz standard).
- Arm and disarm via remote control.



CAMERAS AND RECORDERS

INDOOR AND OUTDOOR SECURITY
FOR SIMPLE NEEDS UP TO MORE
COMPLEX AND ROBUST PROJECTS.



Dome Analog Cameras



1MP

- 1 megapixel.
- 1/4" digital sensor.
- 2.8 mm aperture lens.
- IR LED with a 20-m range.
- Recommended for indoor applications.
- Code: GPCA-3012D

AHD HD TVI HD CVI ANALOG

2MP

- 2 megapixels.
- 1/3" digital sensor.
- 2.8 mm or 3.6 mm aperture lens.
- IR LED with a 20-m range.
- Recommended for indoor applications.
- Codes: GPCA-3022D
GPCA-3023D
GPCA-3022DP
GPCA-3023DP

AHD HD TVI HD CVI ANALOG



2MP Metal

- 2 megapixels.
- 1/3" digital sensor.
- 2.8 mm or 3.6 mm aperture lens.
- IR LED with 30 m range.
- Recommended for indoor and outdoor applications.
- Codes: GPCA-3022BM
GPCA-3023BM

AHD HD TVI HD CVI ANALOG

2MP JETCOLOR

- 2 megapixels.
- 1/2.8" digital sensor.
- Color images 24 hours a day.
- 2.8 mm aperture lens.
- White LED with a 20-m range.
- Recommended for outdoor applications.
- Codes: GPCA-3122DM;
GPCA-3122DMP.

AHD HD TVI HD CVI ANALOG



CONVENTIONAL
CAMERAS



JETCOLOR
CAMERAS



IP Dome Cameras



5MP

- 5 megapixels.
- 1/3" digital sensor.
- 2.8 mm aperture lens.
- IR LED with a 20-m range.
- Built-in microphone.
- Recommended for indoor and outdoor applications.
- Code: GPCI-3052DM

5MP JETCOLOR

- 5 megapixels.
- 1/3" digital sensor.
- Color images 24 hours a day.
- 2.8 mm aperture lens.
- White LED with a 20-m range.
- Built-in microphone.
- Recommended for outdoor applications.
- Code: GPCI-3152DM

4MP

- 4 megapixels.
- 1/3" digital sensor.
- 2.8 mm aperture lens.
- IR LED with a 20-m range.
- Built-in microphone.
- Recommended for indoor and outdoor applications.
- Code: GPCI-3042DM

4MP RTMP

- 4 megapixels.
- 1/2.9" digital sensor.
- 2.8 mm aperture lens.
- IR LED with a 20-m range.
- Built-in microphone.
- RTMP protocol for image transmission compatible with Cloud, Facebook, YouTube platforms.
- Recommended for indoor and outdoor applications.
- Code: GPCI-3242DM

Cameras Analog Bullet



1MP

- 1 megapixel.
- 1/4" digital sensor.
- 2.8 mm aperture lens.
- IR LED with a 20-m range.
- Recommended for indoor and outdoor applications.
- Code: GPCA-3012B

AHD HD TVI HD CVI ANALOG

2MP

- 2 megapixels.
- 1/3" digital sensor.
- 2.8 mm or 3.6 mm aperture lens.
- IR LED with a 20-m range.
- Recommended for indoor and outdoor applications.
- Codes: GPCA-3022B, GPCA-3023B, GPCA-3022BP, GPCA-3023BP

AHD HD TVI HD CVI ANALOG

2MP Metal

- 2 megapixels.
- 1/3" digital sensor.
- 2.8 mm or 3.6 mm aperture lens.
- IR LED with 30 m range.
- Recommended for indoor and outdoor applications.
- Codes: GPCA-3022BM
GPCA-3023BM

AHD HD TVI HD CVI ANALOG



Analog Bullet Cameras



2MP Jetcolor

- 2 megapixels.
- 1/2.8" digital sensor.
- Color images 24 hours a day.
- 2.8 mm aperture lens.
- White LED with a 20-m range.
- Recommended for indoor and outdoor applications.
- Codes: GPCA-3122B
GPCA-3122BP

AHD HD TVI HD CVI CVBS



CONVENTIONAL
CAMERAS



JETCOLOR
CAMERA

IP Bullet Cameras



4MP RTMP

- 4 megapixels.
- 1/2.9" digital sensor.
- 3.6 mm aperture lens.
- IR LED with a 30-m range.
- RTMP protocol for image transmission compatible with Cloud, Facebook, YouTube platforms.
- Recommended for outdoor applications.
- Code: GPCI-3242BM

5MP

- 5 megapixels.
- 1/3" digital sensor.
- 3.6 mm aperture lens.
- IR LED with a 30-m range.
- Recommended for indoor and outdoor applications.
- Code: GPCI-3053BM



5MP Jetcolor

- 5 megapixels.
- 1/3" digital sensor.
- Color images 24 hours a day.
- 2.8 mm or 3.6 mm aperture lens.
- White LED with a 30-m range.
- Built-in microphone.
- Recommended for outdoor applications
- Codes: GPCI3152BM
GPCI-3153BM



CONVENTIONAL
CAMERAS



JETCOLOR
CAMERA



IP Bullet Cameras



4MP

- 4 megapixels.
- 1/3" digital sensor.
- 2.8 mm or 3.6 mm aperture lens.
- IR LED with a 20-m range.
- Built-in microphone.
- Recommended for indoor and outdoor applications.
- Codes: GPCI-3042B
GPCI-3043B

Wifi Smart ON Cameras



3MP Wifi Outdoor Bullet Smart ON Camera

- 3 megapixels.
- 2.8 mm aperture lens.
- Motion detection alert and recording.
- Built-in microphone and speaker for two-way conversation.
- IR LED with a 15-m range.
- It works with 2.4 GHz Wi-Fi network.
- It supports recording via SD card up to 128 GB.
- Recommended for indoor and outdoor applications.
- It works via the PPA ON app.
- Code: GPCW-3033B



360° 3MP Wifi Indoor Smart ON Camera

- 3 megapixels.
- 3.6 mm aperture lens.
- Motion detection alert and recording
- Up to 360° horizontal and vertical movement.
- Built-in microphone and speaker for two-way conversation.
- IR LED with a 8-m range.
- It works with 2.4 GHz Wi-Fi network.
- It supports recording via SD card up to 128 GB.
- Recommended for indoor applications.
- It works via the PPA ON app.
- Code: GPCW-3033PT



Wifi Smart ON Cameras



360° 3MP Wifi Outdoor Jetcolor Smart ON Camera

- 3 megapixels.
- 3.6 mm aperture lens.
- Motion detection alert and recording
- Up to 360° vertical and horizontal movements.
- Built-in microphone and speaker for two-way conversation.
- Smart Jetcolor with IR LED and white LED up to 15 meters.
- It works with 2.4 GHz Wi-Fi network.
- It supports recording via SD card up to 128 GB.
- Recommended for indoor applications.
- It works via the PPA ON app.
- Code: GPCW-3133PT

Recorders - Series 3



XVR 5X1

- Available in three models: 4, 8, or 16 channels.
- IP, AHD, HDCVI, HDTVI, and CVBS technology.
- Compatible with IP Cameras up to 5 MP.
- Models with audio inputs and outputs.
- Access via IP, domain, or cloud (P2P).
- PPA CCTV application for remote access.
- It has HDMI, VGA and ANALOG outputs.
- USB backup.
- Continuous recording via motion detection, face detection and human detection.
- Codes: GPXV-3004
GPXV-3008
GPXV-3016



GRAVADOR NVR IP

- Available in 3 models: 10 channels, 10 channels (4 POE ports) or 16 channels.
- IP technology.
- Compatible with IP Cameras up to 8 MP.
- Access via IP, domain, or cloud (P2P).
- It supports 1 HD of up to 10 TB.
- Continuous recording, via motion detection, scheduling and events.
- VGA and HDMI video output. HDMI output with 4 K resolution.
- USB Backup, Audio Output.
- Compatible with ONVIF protocol for IP Camera connection.
- PPA CCTV application for remote access.
- Codes: GPNV-3010
GPNV-3010P
GPNV-3016.



Accessories



SWITCH POE

- POE ports: 4, 8, o 16 10/100 Mbps RJ45 ports
- Up-link ports: 2 10/100 Mbps RJ45 ports
- SFP Port: 1 Gigabit Port (Combo) * GPSP-1621
- IEEE802.3 at/af standard.
- Extended POE mode for power and data transmission up to 250 meters.
- 4KV 10/700 us lightning protection
- Metal cabinet.
- Codes: GPSP-0420
GPSP-0820
GPSP-1621



HARD DISK FOR XVR AND NVR RECORDERS

- Hard disks for 1TB or 2TB CCTV.
- 3.5 SATA hard disk drive.
- Designed especially for CCTV use.
- Projects for 24/7 permanent operation.
- High reliability and optimized real-time performance.
- 3-year warranty.



IP Dome Camera



2MP

- 2 megapixels.
- 2.8 mm aperture lens.
- Line crossing and intrusion analytics.
- Infrared LED with range up to 30 meters.
- Image adjustment with HLC, DWDR, 3DNR, and Defog.
- Recommended for outdoor applications.
- Code: GPCI-5022DM

IP Bullet Camera



2MP

- 2 megapixels.
- 3.6 mm aperture lens.
- Line crossing and intrusion analytics.
- Up to 30-meter infrared LED with range of.
- Image adjustments with BLC, HLC, DWDR, 3DNR, and Defog.
- Recommended for outdoor applications.
- Code: GPCI-5023BM



IP Dome Camera



5MP STARVIS

- 5 megapixels.
- 2.8 mm aperture lens.
- 1/2.8" Starvis image sensor.
- Intelligent facial, people and vehicle capture functions.
- Analytics of line crossing, intrusion, double intrusion, people wandering, prohibited driving, and people counting.
- 1x alarm I/O, 1x audio I/O.
- Built-in microphone, memory card up to 265 GB, POE, RTMP protocol for streaming.
- Up to 30-m infrared LED.
- Recommended for indoor and outdoor applications.
- Code: GPCI-7052DM



IP Bullet Cameras



5MP Starvis

- 5 megapixels.
- 3.6 mm aperture lens.
- 1/2.8" Starvis image sensor.
- Intelligent facial, people and vehicle capture functions.
- Analytics of line crossing, intrusion, double intrusion, people wandering, prohibited driving, and people counting.
- 1x alarm I/O, 1x audio I/O.
- Memory card up to 265 GB, POE, RTMP protocol for streaming.
- Up to 30-m infrared LED.
- Recommended for indoor and outdoor applications.
- Code: GPCI-7053BM



Varifocal 5MP Starvis

- 5 megapixels.
- 2,7mm ~ 13,5mm varifocal lens.
- 1/2.8" Starvis image sensor.
- Intelligent facial, people and vehicle capture functions.
- Analytics of line crossing, intrusion, double intrusion, people wandering, prohibited driving, and people counting.
- 1x alarm I/O, 1x audio I/O.
- Memory card up to 265 GB, POE, RTMP protocol for streaming.
- Up to 40-m infrared LED.
- Recommended for outdoor applications.
- Code: GPCI-705VBM

Recorders - Series 7



NVR IP

- Available in 3 models: 8 channels, 8 POE channels, or 16 channels.
- IP technology.
- Compatible with IP Cameras up to 8 MP.
- Manual, motion, scheduling and event recording.
- Notifications of analytical alarms via IP Camera.
- Access via IP, domain, or cloud (P2P).
- It supports 1 HD up to 12TB (8 channels) or 2 HD up to 12TB (16 channels).
- Intelligent analysis through NVR: facial recognition, people and vehicles.
*Available in the model: GPNV-7008P
- VGA and HDMI video output. HDMI output with 4 K resolution.
- Compatible with ONVIF protocol for IP Camera connection.
- PPA CFTV PRO application for remote access.
- Codes: GPNV-7008, GPNV-7008P, GPNV-7116





ACCESS CONTROL SYSTEMS

THEY SATISFY THE MOST DIFFERENT NEEDS, FROM SIMPLE ACCESS OPENING AND CLOSING BY APPROACH TO EVEN CONTROL WITH DATA RECORDING.



WAVE 13 MHZ CONTROLLER



- It stores up to 500 users.
- IP66 protection.
- Using a computer to work is not required.
- It keeps information in case of power failure.
- Wiegand 26/34 bits communication protocol (reader mode).
- 13 MHz MIFARE card.
- Backlit keypad.
- Compatible with the main controllers on the market

WAVE 125 KHZ CONTROLLER



- It stores up to 500 users.
- IP66 protection.
- Using a computer to work is not required.
- It keeps information in case of power failure.
- Wiegand 26/34 bits communication protocol (reader mode).
- 125 KHz EM card.
- Backlit keypad.
- Compatible with the main controllers on the market.

FACIAL SMART FACE CONTROLLER



- 3D facial recognition (anti-fraud).
- Built-in do RFID reader (13 Mhz MIFARE).
- Ultra-fast recognition (0.5 seconds)
- 5.5-inch HD screen.
- Capacity for 20,000 faces, 20,000 cards, and 20,000 passwords.
- One NO and NC relay (Dry contact).
- Maximum storage of 200,000 events.
- Touch screen menu and in Portuguese.
- It can be managed via the Access Control Web software.
- 26/34/66 bits Wiegand output.

WAVE 125 KHZ READER



- Power supply: 12 VDC.
- 26/34 bits Wiegand communication protocol.
- 125 KHz EM card.
- IP66 protection for indoor and outdoor use.
- Compatible with the most controllers in the market.



WAVE 13 MHZ READER



- Power supply: 12 VDC.
- 26/34 bits Wiegand communication protocol.
- 13 Mhz MIFARE card.
- IP66 protection for indoor and outdoor use.
- Compatible with the main controllers on the market.

RFID 900MHZ READER



- Power supply: 12 VDC (power source included).
- Buzzer reading indicator.
- It detects vehicles up to 5 meters away.
- Detection distance adjustment.
- Communication protocols: W26, W34, RS232, RS485.
- Adjustable reading intervals.
- Directional reading (60°V/27°H reading angle).
- Recommended cable: 3x18 AWG shielded.

IT REQUIRES A CONTROLLER.

433 MHZ READER



- 80 m reading distance (without obstacles).
- Operation frequency: 433 MHz.
- 26 bits Wiegand communication protocol.
- Gate opening reliability.
- It identifies users individually.
- Compatible with IPWIDE, Citroix secure controls or code learning controls.

INDUCTIVE LOOP



- Detection through the vehicle's metal mass.
- Insulating and resistant cover.
- Installed under asphalt or concrete.
- Waterproof.
- Length in meters: 5.2 m.

INDUCTIVE LOOP CENTRAL



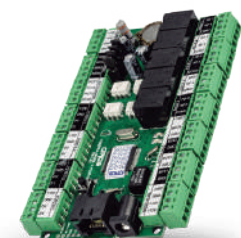
- It works with two inductive loops (only with the 2 points one).
- Central outputs with pulse and retention (the 1 point one).
- Guaranteed vehicles access only.
- Operation frequency adjustment.
- Sensitivity adjustment.
- Detector loop failure monitoring.

2 OR 4 OUTPUTS INTERLOCK



- Higher security for interlock door systems, magnetic locks, doors, gates, and automatic barriers.
- Ideal for gated communities or businesses where visitors need to be identified.
- Easy installation.
- It has status signaling for LED installation.
- Configurable emergency function for push-buttons.
- It can be installed in magnetic lock activation systems, electromagnetic locks, or gate operators.

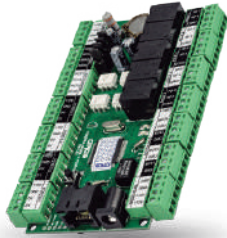
IP WIDE CONTROLLER



- Power supply: 12 VDC (power source not included)
- Managed by the Access Control Web software.
- Unlimited storage capacity in online mode.
- It stores 8,000 tags/passwords and 10,000 offline events.
- Four 26 bits Wiegand inputs.
- Four inputs for push-buttons.
- Four inputs for sensors.
- Four independent relays for point activation.
- A relay for alarm/ auxiliary.



IP WIDE TURNSTILE CONTROLLER



- Control board for turnstile access control.
- Power supply: 12 V.
- 2 relay outputs to control 1 or 2 arm locking solenoids.
- 1 relay output to control card collection box opening.
- 2 sensor inputs with the option of NPN or PNP type selection for reading the turnstile arm rotation.
- 2 sensor inputs with the option of NPN or PNP type selection for detecting cards in the collection box.
- 4 open collector transistor outputs to activate LED indicators.
- 4 Wiegand inputs for compatible RFID readers.
- 2 push-button inputs for entry/exit access release.
- Support for RFID cards and passwords.
- RJ45 network connection for communication with management software.
- Support for 8,000 users in the controller memory for serverless contingency operation.
- Support for 10,000 access events in the controller memory for contingency backup in case of service failure.
- Real-time clock with backup battery.

ACCESSO WI-FI CONTROLLER



- Power supply: 12V.
- Wi-Fi communication (available model with Ethernet).
- Built-in 433.92 MHz receiver, compatible with PPA Safe Code technology.
- Compatible with PROG for configuring and viewing events.
- 2 serial ports to connect with vehicle antennas or QR code readers.
- 2 Wiegand ports to integrate with access control system readers.
- 4 programmable input ports for door, gate monitoring, sensors, etc.
- 6 12-V open-collector output ports programmable for use in gate push-buttons or general-purpose relays.
- Programming and monitoring through embedded web interface.
- Up to 1,000 devices among remote controls, automotive TAG, RFID card, or password via keypad.
- 250 users with complete registration recorded on the control board (including photos which must remain in the local computer).
- Control of up to 4 access restriction groups.
- Access and events recording closed in daily files that can be exported via the Web or automatic email.
- Access information displayed in the Web and in the optional display panel (PROG).
- Entry and exit electronic gate or interlocking system control.
- Control of up to two front gates.
- Control of light and other local devices (PGM).
- Available in the PPA CONNECT model – easier installation on PPA control boards.



TAG RFID 900 MHZ



- Frequency: 900 Mhz.
- Memory: 512 bits.
- Exclusive internal code.
- Up to 4 meters reading distance.

FLEX RFID 125 KHZ KEY CHAIN



- Ideal for use in access control areas.
- Compatible with the main readers in the market.
- Frequency: 125 KHz.
- Modern and compact design.
- Waterproof.

RFID 125 KHZ E 13MHZ KEY CHAIN



- Ideal for use in access control areas.
- Compatible with the main readers in the market.
- Working frequency: 125 KHz or 13 Mhz.
- Modern and compact design.
- Waterproof.

PVC RFID CARD



- Working frequency: 125 Khz or 13 Mhz.
- Passive card – no need of a battery.
- It is highly reliable as each card has an exclusive internal code.
- The card can be personalized with the user's photo, company name/logo, etc.



BT STEEL 1 PUSH-BUTTON



CARBON STEEL    STAINLESS STEEL 

- The push-button line was designed for entering and exiting spaces. It has a modern design, stainless steel button, and finishing in steel and stainless-steel sheets. It can be used in clinics, businesses, and homes, among others, and provide convenience and durability.
- It activates all types of electromechanical and electromagnetic locks, such as automatic doors and gates.
- Stainless-steel button, NO contact, 3 A current and up to 250 VAC voltage.
- 1 button.
- Made in carbon steel in white, black, grey and in stainless steel.

BT STEEL 2 PUSH-BUTTON



CARBON STEEL    STAINLESS STEEL 

- The push-button line was designed for entering and exiting spaces. It has a modern design, stainless steel button, and finishing in steel and stainless-steel sheets. It can be used in clinics, businesses, and homes, among others, and provide convenience and durability.
- It activates all types of electromechanical and electromagnetic locks, such as automatic doors and gates.
- Stainless-steel button, NO contact, 3 A current and up to 250 VAC voltage.
- 2 buttons.
- Made in carbon steel in white, black, grey and in stainless steel.

BT STEEL 4 PUSH-BUTTON



CARBON STEEL    STAINLESS STEEL 

- The push-button line was designed for entering and exiting spaces. It has a modern design, stainless steel button, and finishing in steel and stainless-steel sheets. It can be used in clinics, businesses, and homes, among others, and provide convenience and durability.
- It activates all types of electromechanical and electromagnetic locks, such as automatic doors and gates.
- Stainless-steel button, NO contact, 3 A current and up to 250 VAC voltage.
- 4 buttons.
- Made in carbon steel in white, black, grey and in stainless steel.



BT STEEL 6 PUSH-BUTTON



CARBON
STEEL



STAINLESS
STEEL



- The push-button line was designed for entering and exiting spaces. It has a modern design, stainless steel button, and finishing in steel and stainless-steel sheets. It can be used in clinics, businesses, and homes, among others, and provide convenience and durability.
- It activates all types of electromechanical and electromagnetic locks, such as automatic doors and gates.
- Stainless-steel button, NO contact, 3 A current and up to 250 VAC voltage.
- 6 buttons.
- Made in carbon steel in white, black, grey and in stainless steel.

N.O. SMALL STAINLESS STEEL PUSH-BUTTON



- Push-button with refined finish.
- Highly durable.
- Ideal for high standard installations.
- Stainless steel push-button.
- N.O. contact.

N.O LARGE STAINLESS STEEL PUSH-BUTTON



- Push-button with refined finish.
- Highly durable.
- Ideal for high standard installations.
- Stainless steel push-button.
- N.O. contact.



SMART N.O AND N.C STAINLESS STEEL PUSH-BUTTON



- Push-button with refined finish.
- Highly durable.
- Ideal for high standard installations.
- Stainless steel push-button.
- LED indicator.
- N.O and N.C contacts.

CUBE N.O STAINLESS STEEL PUSH-BUTTON



- Push-button with refined finish.
- Highly durable.
- Ideal for high standard installations.
- Stainless steel push-button.
- N.O and N.C contacts.
- Overlap format.

FIT N.O PUSH-BUTTON



- Push-button with refined finish.
- Highly durable.
- Ideal for high standard installations.
- Stainless steel push-button.
- LED indicator.
- N.O. contact.
- Overlap format.



CUBE N.O AND N.C PUSH-BUTTON



- Push-button with refined finish.
- Highly durable.
- Ideal for high standard installations.
- PVC push-button.
- LED indicator.
- N.O and N.C contacts.
- Overlap format.

TOUCH PUSH-BUTTON



- Capacitive touch.
- PVC push-button with a refined finish.
- Highly durable.
- Ideal for high standard installations.
- N.O and N.C contacts.
- LED indicator.
- Available in white and black.

BT NO-TOUCH PUSH-BUTTON



- Proximity activation.
- Power supply voltage: 12 to 24 VDC.
- Stand-By consumption: 3.35 mA
- Consumption during activation: 29.5 mA
- N/O output (Negative pulse - 0 V)
- LED signal light.

INOX NO TOUCH PUUSH-BUTTON



- Proximity activation.
- Push-button with refined finish.
- Highly durable.
- Ideal for high standard installations.
- Stainless steel push-button.
- N.O and N.C contacts.



MODULES

**ACCESS VIA APPLICATIONS.
IT SIMPLIFIES ACTIVATING
DEVICES REMOTELY.**



CONNECT SMART ON MODULE



- Wi-Fi interface for PPA Connect control boards.
- Receive status notifications from your control board on your cell phone via the PPA ON app (Android and iOS).
- Activate your gate from anywhere via cell phone.
- Quick and easy installation via the PPA CONNECT input.
- Wi-Fi communication: 802.11 b/g/n 2.4 GHz standard.
- Bluetooth communication: BLE 4.2.
- Programmable via app.
- Compatible with the main operators in the market in the "universal" mode.

CONTATTO SMART ON MODULE



- Wi-Fi interface that enables alarm panels, electric fences, electric/magnetic locks, or gate operators to communicate with cell phones, making them more modern and compatible with the PPA ON application.
- Receive status notifications from your control board on your cell phone via the PPA ON app (Android and iOS).
- Activate your alarm system, electric fence, lock or gate from anywhere via cell phone.
- Programmable via application.
- 1 relay output.
- Works with Wi-Fi technology.
- Compatible with the main alarms, electrifiers, locks and automation systems on the national and international market.

CONTATTO WI-FI MODULE



- Wi-Fi interface that makes an alarm panel, electric fence or gate operator connectable, making them more modern and compatible with the PPA CONTATTO application.
- Receive status notifications from your center on your cell phone via the app (Android and iOS).
- Activate your alarm system, electric fence or gate from anywhere via cell phone.
- Programmable via application.
- 1 relay output.
- Works with Wi-Fi technology.
- Compatible with the leading alarm systems, electrifiers, locks, and operators in domestic and international markets.



ACCESSORIES

A COMPLETE PORTFOLIO TO SIMPLIFY
INSTALLERS' WORK AND USERS OR
ENHANCE THE SECURITY SYSTEM.



ZAP POP REMOTE CONTROL



CE
Certified

FCC
Certified



- 2 independent control buttons.
- Transmission frequency: 433.92 MHz.
- Modulation: OOK.
- Battery model: CR2032.
- Easy access to change the battery.
- Frequency transmission high stability.
- Low power consumption.
- PPA Safe Code protocol.
- Reinforced case clip.
- Resistant to impacts and falls.
- Protection against involuntary activation.
- New design.
- Only in black.

ZAP 2 REMOTE CONTROL



CE
Certified

FCC
Certified



- 2 independent control buttons.
- Transmission frequency: 433.92 MHz.
- Modulation: OOK.
- Battery model: CR2032.
- Easy access to change the battery.
- Frequency transmission high stability.
- Low power consumption.
- PPA Safe Code protocol.
- Reinforced case clip.
- Resistant to impacts and falls.
- Protection against involuntary activation.
- New design.
- Several color options.

ZAP 4 REMOTE CONTROL



CE
Certified

FCC
Certified



- 4 independent control buttons.
- Transmission frequency: 433.92 MHz.
- Modulation: OOK.
- Battery model: CR2032.
- Easy access to change the battery.
- Frequency transmission high stability.
- Low power consumption.
- PPA Safe Code protocol.
- Reinforced case clip.
- Resistant to impacts and falls.
- Protection against involuntary activation.
- New design.
- Several color options.

ZAP SELECT ACCESS CONTROL



- Function selector for 24V Brushless front doors.
- 4 independent control buttons for the functions: opened door/closed door, partial opening, only exit.
- Transmission frequency: 433.92 MHz.
- Modulation: OOK.
- Battery model: CR2032.
- Easy access to change the battery.
- Frequency transmission high stability.
- Low power consumption.
- PPA Safe Code protocol.
- Reinforced case clip.
- Resistant to impacts and falls.
- Protection against involuntary activation.
- New design.
- Several color options.

ZAP BR1 ACCESS CONTROL



- Function selector for BR1 roll-up doors.
- 4 independent control buttons for the functions: raise, lower, stop, and lock the door.
- Transmission frequency: 433.92 MHz.
- Modulation: OOK.
- Battery model: CR2032.
- Easy access to change the battery.
- Frequency transmission high stability.
- Low power consumption.
- PPA Safe Code protocol.
- Reinforced case clip.
- Resistant to impacts and falls.
- Protection against involuntary activation.
- New design.

TOK REMOTE CONTROL



- Reinforced case clip.
- Control buttons built into the case.
- New battery fixing.
- Electronic circuit produced with SMD components.
- Resistant to impacts and falls.
- CR – Safe Code.
- Available in frequencies: 292 and 433.92 MHz.
- Modulation OOK.
- 433.92 MHz model:
 - High frequency stability.
 - Protection against involuntary activation.



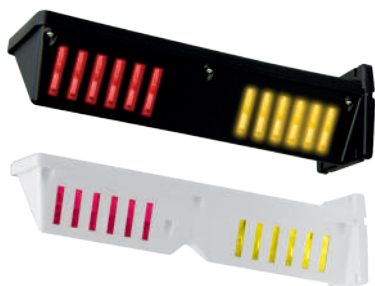
TX DUAL GATE REMOTE CONTROL



- Frequency: 433.92 MHz.
- Coding system: rolling.
- Modulation: OOK.



LUX TRAFFIC LIGHT



- Autovolt input voltage (127 V / 220V).
- Red and yellow traffic light colors.
- Sound signal (buzzer) with adjustable volume and frequency.
- Day/night identification sensor.
- Available in black and white.

FUNCTION SELECTOR



- It comes with all PPA automatic door operators.
- It allows full door programming.
- It enables and disables internal and external radars independently.
- It includes function to keep door open.
- It viewing the number of door cycles, faults, and sensor status.
- It informs UPS activation.

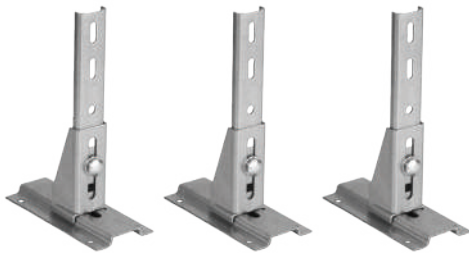


PROG



- Accessory to program control boards.
- It allows programming control board parameters.
- It allows viewing the number of gate cycles, faults, and sensor status.

FASTENING BRACKET FOR OVERHEAD MACHINES



- Made in steel plate with surface treatment.
- Designed to make overhead operator installations easier, allowing adjustments (rod and base with holes and slots).

FASTENING BRACKET FOR SLIDING MACHINES



- Made in steel plate with surface treatment.
- Designed to make sliding operator installations easier, allowing adjustments (rod and base with holes and slots).

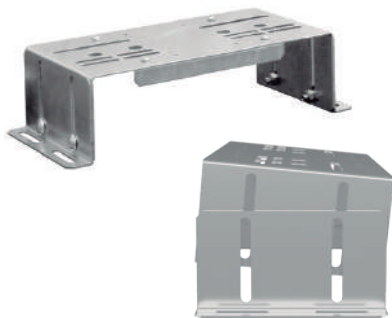


FASTENING BRACKET FOR SWING MACHINES



- Made in steel plate with surface treatment.
- Designed to make sliding operator installations easier, allowing adjustments (rod and base with holes and slots).

FLEX BASE



- For home and semi-industrial sliding gate operators.
- Easily installed (no need to build a masonry base to adjust the gear and the rack).
- It allows adjusting height between 80 and 150 mm.
- Ideal for uneven floors.
- Universal drilling for different types of operators.
- Manufactured in steel plates with anti-rust treatment.
- It comes with two reinforcing angle brackets.

FIXED BASE



- For home and semi-industrial sliding gate operators.
- Easily installed (no need to build a masonry base to adjust the gear and the rack).
- It allows adjusting height between 30, 50, 70, and 100 mm.
- Ideal for uneven floors.
- Universal drilling for different types of operators.
- Manufactured in steel plates with anti-rust treatment.



DRIVE MODULE WITH DELAY



- Adjustable delay time.
- Built-in 433.92 MHz receiver module.
- Encrypted code learning with external memory for:
 - 328 transmitters in standard fixed code (FC).
 - 164 transmitters in standard Safe Code (PPA SC standard).
- Terminal block for external opening and closing push-button.
- Relay to activate load with an external source.
- Module power supply via the operator control board or a 15 V and 1 A external source.

ALCANCE RECEIVER



- Receiver for PPA automatic door and gate operators.
- Hold command mode or pulse via jumper.
- Easily installed.
- Removable, encrypted memory for transmitters.
- Available in the 433.92 MHz model.
- Up to 164 transmitters (PPA Safe Code) or 328 transmitters (PPA fixed code).

VOLT GATE UPS



- PPA wall UPS for gate operators.
- Two 12 V / 7 Ah batteries.
- It keeps the gate operator running when there is a power outage.
- It reduces equipment energy consumption when operating on battery.
- It has a stabilizer to compensate for voltage fluctuations in the mains voltage.



VOLT GATE IND UPS



- PPA wall UPS for industrial gate operators.
- One 12 V / 45 Ah battery.
- It keeps the gate operator running when there is a power outage.
- It reduces equipment energy consumption when operating on battery.
- It has a stabilizer to compensate for voltage fluctuations in the mains voltage.

CAPTUR RADAR



- Power supply: 12 to 24 Vdc.
- NO and NC outputs.
- Directional and bidirectional detection (selectable).
- Range adjusted by trim pot (trimmer potentiometer).
- Up to 4 meters installation height.

PRF MODULE



WITH FILTER

WITHOUT FILTER

- Protector against electrical surges and electromagnetic interference filter.
- 127 V or 220 V rated working voltage (defined at purchase).
- Maximum current: 10 A.
- Common and differential mode attenuation.



VOLT GATE SENOIDAL



INPUT

- Rated input voltage: dual (selectable).
- Voltage variation (95V- 140V) (190V- 240V).
- Frequency: 60 Hz.
- Minimum recommended stationary battery capacity: 45 Ah.
- Maximum current of the built-in battery charger: 3 A.
- Output voltage of the battery charger: 27.6 V.
- Input fuse current: 15 A.
- Battery fuse current: 90 A.
- Resettable circuit breaker: 15 amps.
- 3-prong power cable: 10 amps.

OUTPUT

- Peak rated power (500 W) (800 VA).
- Power factor: 0.625.
- Selectable rated output voltage: 127 V/220 V.
- Voltage regulation: +10% / -10%.
- Transfer time: 20 m.

BATTERIES:

- Connector for external batteries: compression terminal, 6-mm hole.
- Bus: 24 V.

VOLT GATE IND SENOIDAL



INPUT:

- Rated input voltage: dual (selectable).
- Voltage variation (95v - 140v) (190v - 240v).
- Frequency: 60 HZ.
- Maximum current of the built-in battery charger 3 A.
- Output voltage of the battery charger: 27.6 V
- Input fuse current: 15 A.
- Battery fuse current: 90 A.
- Resettable circuit breaker: 15 amps.
- 3-prong power cable: 10 amps.

OUTPUT:

- Peak rated power (1000 W) (1600V A)
- Power factor: 0.625.
- Selectable rated output voltage: 127 V/220 V.
- Voltage regulation: +10% / -10%.
- Transfer time: 20 m.

BATTERIES:

- Connector for external batteries: compression terminal, 6-mm hole.
- Bus: 24 V.



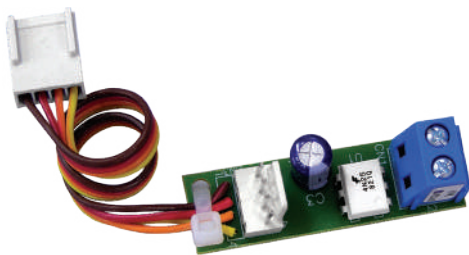
RELAY MODULE



WITHOUT FILTER

- A relay that interfaces accessories such as electromagnetic lock, light, and external traffic light.

PUSH-BUTTON MODULE



- It isolates the control board from noise coming from the network, ensures security to push-button connections (wired-activators push-buttons), allows expanding external receivers, and increases the number of the users in the automation system quickly and safely.

GEAR RACKS

LIGHT LINE IN STEEL OR ALUMINUM ANGLE BRACKET IN THE MODELS:

POP CUSTOM (BLACK)



POP (BLACK)



STEEL



SILVER



GOLD (NATURAL NYLON)



STEEL ANGLE BRACKET - INDUSTRIAL LINE:

GOLD (NATURAL NYLON)



With new and more reinforced fastening (hex screw) and connection between teeth by fitting.

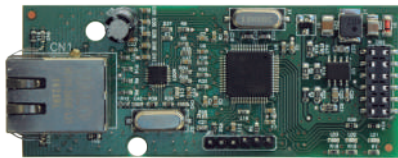
SILVER



Steel angle bracket guarantees quality and durability, and its main benefit is the attractive cost.



MONIP EXPANSION FOR ELLO DUE



- It allows communication between the monitored alarm panel (Contact ID Protocol) with the monitoring center using the internet, via Ethernet cable.
- This accessory extends the technology of monitored alarm systems and makes them more modern and safer.
- Compatible with all alarm systems on the market that communicate via telephone line using the Contact ID protocol.
- Programmable via USB, Ethernet locally and remotely.
- Two programmable outputs.
- Two programmable inputs.
- Firmware update via USB and remotely.

HIGH POWER MAGNETIC SIREN



- Electric power: 14 W.
- Sound power: 120 DB.
- DC voltage: 11 to 13.8 V.
- Current: 1000 mA.
- Ringtone: 1.

HIGH POWER DETON SIREN



- Sound power: 120 DB.
- DC voltage: 10 to 15 V.
- Current: 200 mA.
- Ringtone: 1.



2A - FC2A POWER SOURCE



- Power supply voltage: 90 – 250 Vac
- Auxiliary output voltage: 14 Vdc / 2 A
- External push-button input (N/O contact, pulse mode).
- Output port for relay locks (N/O and N/C contacts).
- Trimpot activation time adjustment (1 second to 1 minute).
- Led battery status signaling (Red = Low battery, Yellow = Half charge, Green = Charged).
- Smart charging: battery charging cycle function, turns off charging when battery is full and charges again when discharged.

SS 400 POWER SOURCE



- It works as a power source for electromagnetic locks.
- Output: 12 V
- UPS function.
- Current output: 3 A or 6 A.
- Float charging battery.

VERTICAL RACK FOR RECORDERS



- Available in two sizes.
- Recommended for indoor applications to fit and protect electronic equipment and accessories. Ideal for CCTV projects.
- Resistant structure made in galvanized steel.
- With cable channels both at the top, bottom, and on the sides.
- Security key.
- Epoxy powder electrostatic painting.
- Available in white and black.



HORIZONTAL RACK FOR RECORDERS



- Cabinet for indoor applications recommended to fit and protect electronic equipment and accessories in standard 19. Ideal for Network, Telecom, and CCTV projects.
- Structures made of steel.
- It allows running cables both at the top and bottom.
- Security key.
- Epoxy powder electrostatic painting.
- Ideal for small Network, Telecom and CCTV projects.
- Available in black and white.
- 3U – 170 height x 370 depth x 500 width.
- 5U – 270 height x 370 depth x 500 width.
- 7U – 390 height x 370 depth x 500 width.

RACK UNIT" (U)) IS THE UNIT TO DESCRIBE THE HEIGHT OF RACK, SWITCHES, TRAYS AND OTHER DEVICES THAT USE THE 19- INCH STANDARD (48.26-CM). EACH RACK UNIT (U) EQUALS 4.44 CM.

**ALSO AVAILABLE WITH
AN ACRYLLIC DISPLAY**



- Used to view equipment inside the rack more easily without having to open it. Usually used in computing areas.

BALUN 4X1 5.0 MP VIDEO



- Compatible with cameras: AHD | HDCVI | HDTVI.
- Transmission signal: 720 P/960/1080 P/3, 4 and 5MP.
- Compatible with cables: UTP CAT 5/5 and /6.
- Transmission distance: AHD-400M | HDCVI-400M | HDTVI- 300M | CVBS-300M.
- Passive – no need for power supply.
- Protection against shock, lightning, and noise.

BALUN 4X1 VIDEO



- Compatible with cameras: AHD | HDCVI | HDTVI.
- Transmission signal: 720 P/1080 P.
- Compatible with cables: UTP CAT 5/5 and /6.
- Transmission distance: AHD-250M | HDCVI-200M | HDTVI- 200M | CVBS-500M.
- Passive – no need for power supply.
- Protection against shock, lightning, and noise.



BOX ORGANIZER



- Ideal for organizing cables and wires.
- It protects connectors, baluns, plugs, and boards.
- Excellent for use in different situations.
- Intelligent closing system.
- Sealed and high quality.
- Water and dust resistant.
- High-strength ABS plastic material and UV protection.
- External dimensions: 111x111x66mm (W x H x D).

180° ORGANIZER BOX



- Ideal for organizing cables and wires.
- It protects connectors, baluns, plugs, and boards.
- Excellent for use in different situations.
- Intelligent closing system.
- Water-splash resistant.
- High-strength ABS plastic material and UV protection.
- External dimensions: 88x88x51mm (W x H x D).

90° ORGANIZER BOX



- Ideal for organizing cables and wires.
- It protects connectors, baluns, plugs, and boards.
- Excellent for use in different situations.
- Intelligent closing system.
- Water-splash resistant.
- High-strength ABS plastic material and UV protection.
- External dimensions: 88x88x51mm (W x H x D).

SS 400T POWER SOURCE



- It works as a power source for electromagnetic locks.
- Output: 12 V.
- UPS function.
- Output current: 3 A.
- External push-button activation.
- Floating battery charger.
- Adjustable activation time: 0-60 seconds.

SS 400 CR POWER SOURCE



- It works as a power source for electromagnetic locks.
- Output: 12 V.
- UPS function.
- Output current: 3 A.
- Remote control or external push-button activation.
- Floating battery charger.
- Adjustable activation time: 0-60 seconds.

PPA PULL-PUSH



- It signals door and gate opening through LEDs, which indicate pull and push.
- Ideal for offices, offices, and gated communities.
- Overlay model with LED indicators.
- Power supply: 12 to 17 Vdc.

TRIAC MODT 1 MODULE



- Module for activating alternating voltage locks.
- Power supply range: 110 Vac ~ 280 Vac.



12 V ELECTRICAL SHOCK MODULE + SS601 REMOTE PANEL



- Output: 8,000 V.
- Connection with the control panel via SS601 remote control.
- 1,200 linear meters of wire.
- Ideal for outdoor installations.
- Power supply: 12 V.

ELETRIC FENCE VOLTIMETER



- Instrument for measuring electric fence voltage.
- Turn ON and OFF automatically.
- Resolution: 100V.
- Maximum measuring value: 20.000 V

TX SLIM REMOTE CONTROL



- Frequency: 433.92 MHz.
- Coding system: configurable.
- Fixed or safe code.
- Modulation: OOK.





PPA ON

YOUR SMART HOME.

IT ALLOWS CONTROLLING LIGHTS, SWITCHES, ELECTRICAL AND ELECTRONIC DEVICES, LIGHT BULBS, GATES, AUTOMATIC DOORS, AND ELECTRIC FENCES. ALL LINE PRODUCTS CAN BE ACTIVATED VIA APP.



PPA ON APP



- Easy setup.
- Task automation.
- Countless applications in the same app.
- Simultaneous activation of several devices.
- Voice-activated commands (integration with Google Home and Alexa).

Ultra 20k Smart ON Electrifier



- Voltage output: 12,000 or 20,000 (adjustable).
- Output energy: 1.5 Joules.
- It electrifies up to 5,000 meters of wire.
- Arm and disarm via remote control or app (PPA On).
- 2 independent alarm sectors.

Note: ATTENTION WHEN ENABLING FUNCTIONS VIA APP.

Ultra 22k Smart ON Electrifier



- Voltage output: 12,000 or 22,000 (adjustable).
- Output energy: 2 Joules.
- It electrifies up to 5,000 meters of wire.
- Arm and disarm via remote control or app (PPA On).
- 2 independent alarm sectors.

Note: ATTENTION WHEN ENABLING FUNCTIONS VIA APP.

CR2S Smart ON Electrifier



- Voltage output: 4,000 to 10,000 (adjustable via app).
- Output energy: 0.5 Joules.
- It electrifies up to 1,200 meters of wire.
- 2 independent alarm sectors.
- Registration of up to 30 wireless devices via control board or app (433.92 MHz standard).



Universal Smart ON Control



- Command optimization via IR.
- More than 200,000 registered devices.
- Easy programming.
- 360° opening for commands.
- USB cable power supply.

Led RGB 10w Smart ON Lamp bulb



- 16 million colors.
- Option for warm and cold light.
- e27 standard socket.
- Ideal for creating scenarios.
- Simple and intuitive setup.

T2 Touch Smart ON Switch



- On/off scheduling.
- Commands via App. (2.4 GHz Wi-Fi).
- Status indication on switches and App.
- Simple installation (4x2 standard).
- Capacitive touch keys.
- Glass design.

10A Smart ON Socket



- On/off scheduling.
- It can be used at 127 and 220 volts.
- Compatible with 10 A equipment.
- Installed directly into the socket.
- Simple and objective programming.

Embutir Smart ON Lock



- Smart Embutir lock.
- Installation standard: ABNT 55 mm PPA ON App
- Opening by biometrics, password and card (up to 300 users)
- Up to 9 administrators.
- Temporary password.
- Battery useful life: 1 year being 10 openings per day.
- Power supply: 4 AAA alkaline batteries (1.5 V)
- Key unlocking.
- Low battery warning
- Emergency unlocking via USB-C.



Smart ON Controller Module



- Input voltage: 100-240 VAC 50/60 Hz.
- Maximum current: 10 A, per channel.
- 2.4 GHz Wi-Fi.
- Simple installation and programming.
- It controls devices via cell phone.
- Integration with PPA On line products.

1 or 2 Channels Smart ON Switch Module



- Input voltage: 100-240 VAC 50/60 Hz.
- Maximum current for 1 channel: 10 A (LED: 250 W)
- Maximum current for 2 channels: 5 A, per channel (LED: 150W, per channel)
- 2.4 GHz Wi-Fi.
- Simple installation and programming.
- It controls devices via cell phone.
- Integration with PPA On line products.

Connect Smart ON Module



- Power supply: 9-15 Vdc.
- Wi-Fi communication: 802.11 b/g/n 2.4 GHz standard.
- Bluetooth communication: BLE 4.2.
- Consumption: 300 mA (max).
- 4-way polarized connector for PROG/SCI port of compatible PPA control panels.
- Dimensions: 100x54x43mm (H x W x D).
- Weight: 80 g.

Contatto Smart ON Module



- Equipment that enables control board, electric fences, electric/magnetic locks or gate operators to communicate with cell phones via Wi-Fi, making them more modern and compatible with applications for Android and iOS cell phones.
- Receive status notifications from your alarm system on you cell via app (Android and iOS).
- Activate your alarm system, electric fence, or gate from anywhere via app.
- Programmable via application.
- 1 relay output.
- It works with Wi-Fi technology.
- Compatible with many alarm systems, electric/magnetic locks, and operators.



C36 Smart ON Alarm



- Arm and disarm via remote control or app.
- All programming made via the PPA On app.
- 4 wired zones.
- Up to 32 wireless zones.
- Up to 32 remote controls.

C40 Smart ON Alarm



- It comes with lithium batteries.
- Arm and disarm via remote control or app.
- All programming made via the PPA On app.
- Up to 8 wired zones on the control board.
- It accepts up to 32 remote controls and 32 wireless sensors.

Wi-Fi WMT Module



- WI-FI module.
- 2.4 GHz Wi-Fi connectivity.
- PPA ON App.



Smart On Human Presence Wi-Fi Camera Sensor



- Human presence detection.
- Maximum height. 6 meters.
- Programmable capture area via the PPA ON app.
- Real-time monitoring.
- Power supply: AC/DC 12-30 V
- Overlay or recessed installation kit.

Smart ON 3MP Wi-Fi 360° Internal Camera



- 3 megapixels.
- 3.6 mm aperture lens.
- Motion detection alert and recording.
- Up to 360° vertical and horizontal movements.
- Built-in microphone and speaker for two-way conversation.
- IR LED with an 8-m range.
- It works with 2.4 GHz Wi-Fi network.
- It supports recording via SD card up to 128 GB.
- Ideal for indoor applications.
- It works via the PPA ON app.

Smart ON 3MP Wi-Fi External Bullet Camera



- 3 megapixels.
- 2.8 mm aperture lens.
- Motion detection alert and recording
- Built-in microphone and speaker for two-way conversation.
- IR LED with a 15-m range.
- It works with 2.4 GHz Wi-Fi network.
- It supports recording via SD card up to 128 GB.
- Ideal for indoor and outdoor applications.
- It works via the PPA ON app.



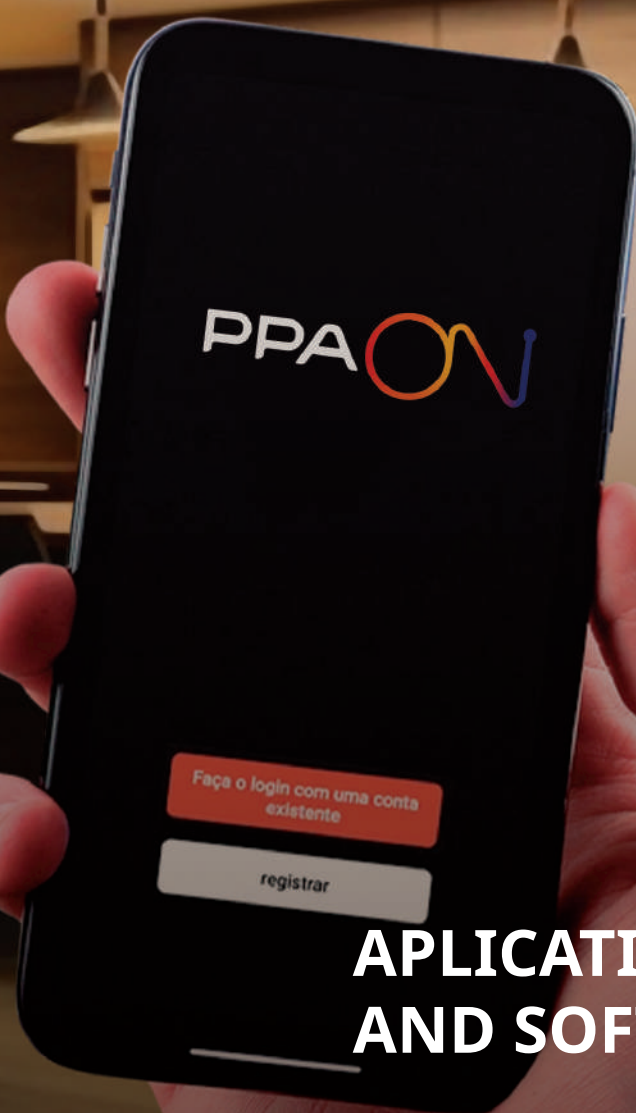
Jetcolor Smart ON

3MP Wi-Fi 360° External Camera



- 3 megapixels.
- 3.6 mm aperture lens.
- Motion detection alert and recording
- Up to 360° vertical and horizontal movements.
- Built-in microphone and speaker for two-way conversation.
- Smart Jetcolor with IR Led and white Led up to 15 meters.
- It works with 2.4 GHz Wi-Fi network.
- It supports recording via SD card up to 128 GB.
- Ideal for indoor applications.
- It works via the PPA ON app.



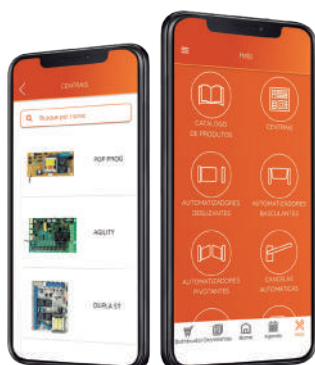


APPLICATIONS AND SOFTWARE

SYSTEMS FOR INSTALLERS TO HAVE MORE AGILITY AND FINAL CUSTOMERS TO HAVE MORE CONVENIENCE AND COMFORT.



PPA PRO APP



PPA PRO is the perfect tool for you, our installer partners, to get more customers, enjoy more agility, professionalize yourself, and even organize your business. With PPA PRO, you can:

- Send your customers budgets quickly and easily.
- Organize your schedule and make your day more productive.
- Buy from your nearest distributor safely and do not miss any sales.
- Have more convenience with all PPA product information on your cell phone, like a pocket manual.

CONTATTO APP (for users)



1) EN EL MODELO CONTATTO WI-FI:

- Register one or more Contatto.
- Activate alarm systems/ electric fences/gates from anywhere:
 - Gates: open and close.
 - Alarm: arm and disarm.
 - Electric fence: arm and disarm.
- Receive status notifications:
 - Gate: opened and closed.
 - Alarm: armed, disarmed, and triggered.
 - Fence: armed, disarmed and tampered.
- Setup Contatto Wi-Fi.

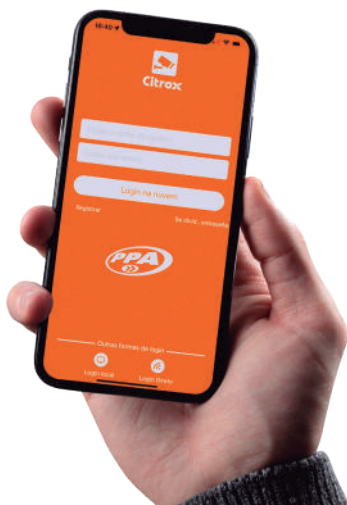
PPA ON APP



- Easy setup.
- Task automation.
- Countless applications in the same app.
- Simultaneous activation of multiple devices.
- Voice-activated commands (integration with Google Home and Alexa).
- Compatible with all PPA On products.



APP PPA CFTV



- Real-time image visualization.
- It allows SD and HD viewing mode.
- Digital zoom.
- IP, Domain and P2P connection.
- Mosaic to view: 1 camera, 4 cameras, 9 cameras, and 16 cameras.
- Photo function: it saves a snapshot of the preview to the app's photo album.
- Recording function: makes instant recordings of the view in the app's video album.
- Photo and video album allows you to view images and share them via email, WhatsApp, among others.
- Recording remote playback.
- PTZ control for motion control, zoom and focus of cameras with these features.
- Two-way audio allows you to hear and talk with equipment with these features.
- Equipment alert notifications directly on your cell phone.
- Remote configuration of equipment settings.

ACCESS CONTROL WEB SOFTWARE



- Multiple operators can access it at the same time.
- It works with up to 200 access points.
- It allows release via the software.
- Card expiration.
- It can accessed remotely.
- The software detects automatically all controllers connected to the network.
- It reports all accesses.
- It controls users and vacancies.
- Panic alert.
- User-friendly interface and entirely in Portuguese/English.
- CCTV integration (it requires paid license).





CONCERTINA FENCES

AN ECONOMICAL AND EFFICIENT
OPTION FOR PERIMETER SECURITY.
MADE IN HIGHLY RESISTANT TO CORROSION
AND OXIDATION GALVANIZED STEEL.
JOINED WITH GALVANIZED STEEL CLIPS.



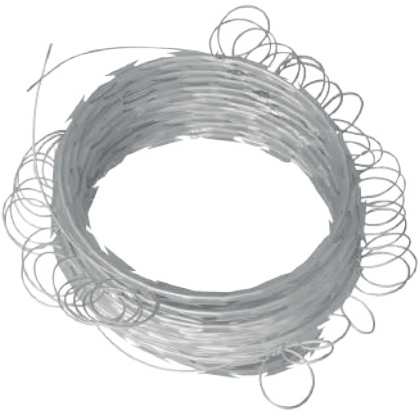
An economical and effective solution for perimeter security for homes, businesses, and industries. It is made in Galvalume steel, which guarantees more durability and longer functional life, especially compared to galvanized steel concertina fences. Concertina rolls can be purchased in 300-mm or 450-mm models, in simple versions, and with a complete installation kit.

MAIN FEATURES



MODELO	300MM	450mm
Spacing between coils openings (turns)	200mm	200mm
Blade length	45mm	45mm
Blade spacing	30mm (approx.)	30mm (approx.)
Number of blades	13	19
Extremely sharp and piercing blades	Yes	Yes
Number of coils (turns)	40	40
Manufacturing material	AR BTC GLV BWG 12 - 2,76mm GERDAU	AR BTC GLV BWG 12 - 2,76mm GERDAU
Steel type	Galvalume steel (highly resistant to atmospheric corrosion and oxidation)	Galvalume steel (highly resistant to atmospheric corrosion and oxidation)

SPEED FLEX CONCERTINA FENCE



300 MM OR 450 MM WITH 40 TURNS

- 0.26-CM FIXED SPACING AMONG COILS (APPROXIMATELY).
- IT STRETCHES 10 METERS.
- 45-MM BLADE LENGTH (APPROXIMATELY)

300 MM OR 450 MM WITH 50 TURNS

- 0.22-cm fixed spacing among coils (approximately).
- It stretches 11 meters.

FEATURES

- 4.5-cm long blades (approximately).
- 3-cm blade distancing.
- 13 extremely sharp and piercing blades.
- Made in AR BTC GLV BWG 12 – 2.76 mm wire by GERDAU
- Clipped with high-pressure galvanized steel clips, which are mechanically fixed to ensure greater effectiveness in locking the concertina fence and the steel cable.
- 2.40-mm galvanized steel cable.
- Galvalume steel, which after immersion in a galvanizing bath, becomes 4 times more durable and resistant to atmospheric corrosion and oxidation than galvanized steel.
- Quickly and easily installed.
- Patented product.



SIMPLES CONCERTINA FENCE



300 MM IN GALVALUME STEEL

- Available in the 40-turn or 50-turn models*.
- 4.5-cm long blades (approximately).
- 3-cm blade spacing (approximately).
- 13 extremely sharp and piercing blades.
- Made in AR BTC GLV BWG 12
 - 2.76-mm wire by GERDAU.
- Galvalume steel, which after immersion in a galvanizing bath, becomes 4 times more durable and resistant to atmospheric corrosion and oxidation than galvanized steel).



450 MM IN GALVALUME STEEL

- Available in the 40-turn or 50-turn models*.
- 4.5-cm long blades (approximately).
- 3-cm blade spacing (approximately).
- 19 extremely sharp and piercing blades.
- Made in AR BTC GLV BWG 12 - 2.76-mm wire by GERDAU.
- Galvalume steel, which after immersion in a galvanizing bath, becomes 4 times more durable and resistant to atmospheric corrosion and oxidation than galvanized steel).

CONTACT US FOR FURTHER INFORMATION ON MODELS WITH A HIGHER NUMBER OF COILS.



DUPLA CLIPADA CONCERTINA FENCE

The clipped concertina fence provides more extensive protection as each of its coils are intertwined by 3 high-pressure steel clips. The 300-mm clip-on concertina stretches 4 meters. Whereas the 450-mm concertina stretches 5 to 5.5 meters.



300 MM IN GALVALUME STEEL

- Available in the 40-turn or 50-turn models*.
- 4.5-cm long blades (approximately).
- 3-cm blade spacing (approximately).
- 13 extremely sharp and piercing blades.
- Galvalume steel, which after immersion in a galvanizing bath, becomes 4 times more durable and resistant to atmospheric corrosion and oxidation than galvanized steel).
- Clipped with high-quality galvanized steel high-pressure clamps.
- Made in AR BTC GLV BWG 12 - 2.76-mm wire by GERDAU.



450 MM IN GALVALUME STEEL

- Available in the 40-turn or 50-turn models – it stretches from 6 to 8 meters*.
- 4.5-cm long blades (approximately).
- 3-cm blade spacing (approximately).
- 8 extremely sharp and piercing blades.
- Made in AR BTC GLV BWG 12 - 2.76-mm wire.
- Galvalume steel, which after immersion in a galvanizing bath, becomes 4 times more durable and resistant to atmospheric corrosion and oxidation than galvanized steel).
- Clipped with high-quality galvanized steel high-pressure clamps.

CONTACT US FOR FURTHER INFORMATION ON MODELS WITH A HIGHER NUMBER OF COILS.

ROD FOR CONCERTINA FENCES



- Eco-friendly zinc plating.
- Zinc plating process and products used meet all environmental regulations and laws.
- Interconnection system between lines guarantees uniformity of the layer and equal shine on zinc-plated parts.
- **AVAILABLE IN THE MODELS:**
- SCREWED: 300 mm / 450 mm
- REINFORCING BAR: 300 mm / 450 mm
- GALVANIZED STEEL



CONCERTINA FENCE KITS

SPEED FLEX CONCERTINA FENCE KIT

IT INCLUDES:

- 2 side rods (with 04 galvanized U-type clips with nut for fixing to the rods)
- 1 central rod.
- 6 plates with 4 holes each.
- Bushings and screws (only 06 bushings and 06 screws for reinforcing steel bar, and 12 bushings and 12 screws for screwed rod).
- 1 warning sign.

300 MM CONCERTINA FENCE KIT

IT INCLUDES:

- 1 300-m roll of simple concertina fence.
- 1 kilo of Gerdau 12 wire that stretches 21 meters – 2.76 mm of Gerdau wire.
- 3 zinc-plated rods.
- 6 screws (except for reinforcing bar).
- 6 bushings (except for reinforcing bar).
- 180 grams of type-C clips.
- 1 warning sign.

300 MM CONCERTINA FENCE AND 450 MM CLIPPED CONCERTINA FENCE KIT – PLATE

IT INCLUDES:

- 1 roll of clipped concertina fence.
- 6 galvalume plates with 04 holes.
- 6 8-mm bushings with 06 screws.
- 90 grams of type-C clips.
- 1 warning plate.

450 MM CONCERTINA KIT FENCE

IT INCLUDES:

- 1 450-mm roll of concertina fence.
- 1 kilo of Gerdau 12 wire that stretches 21 meters – 2.76 mm of Gerdau wire.
- 3 zinc-plated rods.
- 6 screws (except for reinforcing bar).
- 6 bushings (except for reinforcing bar).
- 180 grams of type-C clips.
- 180 gramos de grapas tipo C.

300 MM CONCERTINA FENCE AND 450 MM CLIPPED CONCERTINA FENCE KITS – RODS

IT INCLUDES:

- 1 roll of clipped concertina fence.
- 1/2 kilo of Gerdau 12 wire that stretches 21 meters – 2.76 mm of Gerdau wire.
- 2 zinc-plated rods.
- 4 screws (except for reinforcing bar).
- 4 bushings (except for reinforcing bar).
- 90 grams of type-C clips.

