



# CATALOG 26/27



**QUALITY  
IS  
OUR  
STRENGTH.**





For over forty years, VDS has been designing and manufacturing automation systems for gates, barriers, automatic doors, overhead and sectional garage doors, shutters, and blinds.

All VDS automation kits are produced entirely in Italy, within our own facilities, by highly skilled personnel using only the finest raw materials. Every stage of production – from mold design to CNC machining of gears and crankshafts, from control panel development to final assembly – is carried out in-house, ensuring maximum control over product quality.

Strict final testing guarantees the reliability and durability of our solutions, reaffirming VDS's ongoing commitment to excellence and innovation in the automation industry.



## Production

We manufacture reliable, Made-in-Italy automation systems for gates, barriers, automatic doors, garage doors, roller shutters, turnstiles, windows, and more.



## Materials

The mechanical components of our gate motors are made from high-quality materials such as stainless steel, aluminum, and cast iron to ensure maximum strength and durability. Each part is precision-machined for perfect compatibility and reliable performance. Every stage of production is subjected to strict quality controls.



## Time

Our company has over forty years of experience in the automated access sector. This expertise has enabled us to consolidate our know-how and provide advanced, reliable solutions in the field of automated access.



## Export

We have a strong global presence, exporting our products to countries across America, Asia, Europe, and Africa. Our international network of partners, distributors, and sales channels ensures wide and reliable market coverage.





# VDS AUTOMATION PRICE LIST 2026/2027

|   |            |
|---|------------|
| <b>Swing Gates Automations</b>                                | <b>6</b>   |
| Swing Gate Automation Arms                                    | 8          |
| Underground Swing Gate Automation Arms                        | 22         |
| Hydraulic Swing Gate Automation Arms                          | 24         |
| <b>Sliding Gates Automations</b>                              | <b>28</b>  |
| <b>High-Speed Sliding Gates Automations - <i>ESPRESSO</i></b> | <b>46</b>  |
| <b>Garage Door Automation</b>                                 | <b>48</b>  |
| <b>Road Barriers Automations</b>                              | <b>62</b>  |
| <b>Traffic bollards</b>                                       | <b>70</b>  |
| <b>Rolling Shutters Automations</b>                           | <b>76</b>  |
| <b>Rolling Shutters, Awnings and Accessories Automations</b>  | <b>84</b>  |
| <b>Skylights, Windows, Domes Automations</b>                  | <b>96</b>  |
| <b>Automatic Doors and Turnstiles Automations</b>             | <b>100</b> |
| <b>Accessories</b>  | <b>118</b> |
| Control Boards  | 120        |
| Radio Systems   | 122        |
| Access Control  | 124        |
| Security and Detection Devices                                | 128        |
| Signaling Accessories   | 134        |
| Mechanical and General Accessories                            | 136        |

| <b>Swing Gates Automation Arms</b> | <b>Page.</b> |
|------------------------------------|--------------|
| <b>PM-PM1</b> 230V                 | 8            |
| <b>PM1-SC</b> 230V                 | 10           |
| <b>EGO</b> 230V / 24V              | 12           |
| <b>LINEAR11</b> 230V / 24V         | 14           |
| <b>MORAN-25</b> 230V               | 16           |
| <b>IBIS</b> 24V                    | 18           |
| <b>TEKNO</b> 230V                  | 20           |

| <b>Underground Swing Gates Automation Arms</b> | <b>Page.</b> |
|--|--------------|
| <b>UNDER-V</b> 230V / 24V                      | 22           |

| <b>Hydraulic Swing Gates Automation Arms</b> | <b>Page.</b> |
|--|--------------|
| <b>PH/PH1</b> 230V                           | 24           |
| <b>PHV</b> 230V                              | 26           |

# SWING GATES AUTOMATIONS



## PM | PM1 LINEAR ELECTROMECHANICAL ACTUATOR 230V

⚡ VOLTAGE 230V

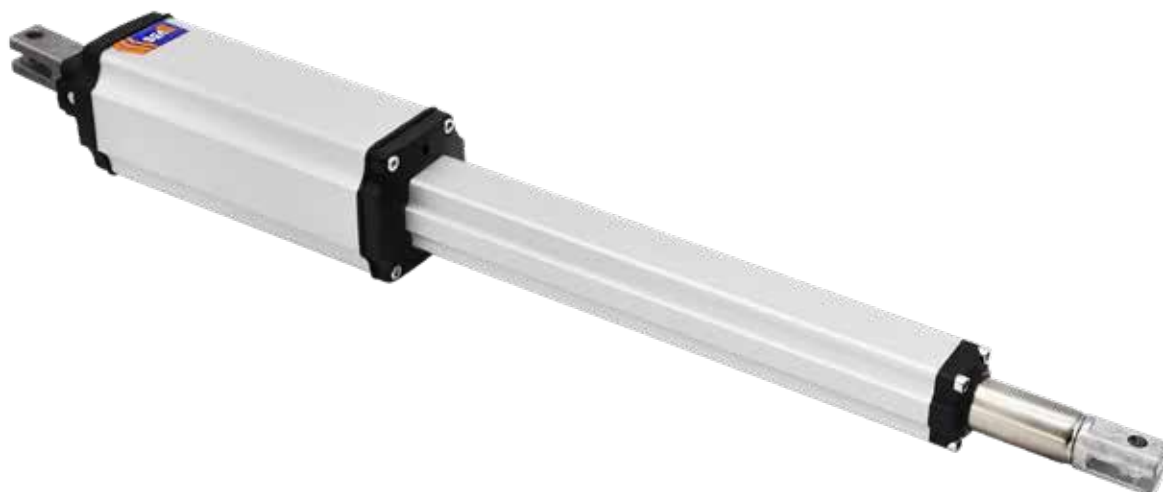
🏠 RESIDENTIAL

🏢 COLLECTIVE

ⓘ LEAF LENGTH UP TO 4.50MT

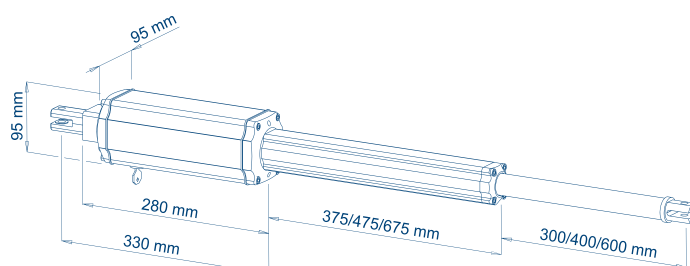
● IRREVERSIBLE

● REVERSIBLE



### TECHNICAL FEATURES PM-PM1

|                       |              |
|-----------------------|--------------|
| POWER SUPPLY          | 230V         |
| LEAF WEIGHT           | 350 KG       |
| LEAF LENGTH           | 4,50 M       |
| ENGINE RPM            | 800 RPM      |
| AVERAGE ABSORPTION    | 1 A          |
| ABSORBED POWER        | 250 W        |
| STANDARD LIMIT SWITCH | NO           |
| CONDENSER             | 12.5 UF      |
| MOTOR WEIGHT          | 7.5 KG       |
| NOISE LEVEL           | < 30 DBA     |
| OPERATING TEMPERATURE | -20 / +55° C |
| PROTECTION DEGREE     | IP55         |



### FEATURES

- Actuator in sturdy aluminum structure pushed "on axis"
- Useful stroke MM 300 - MM 400 - MM 600
- Stainless steel stem with dust scraper
- Maximum quiet operation
- Electric motor with electric brake (PM 1)
- 140° thermal protection
- Manual release with custom key
- Mechanical parts lubricated with lithium grease against corrosion, oxidation and rust
- 120° opening
- Quick assembly with multi-position brackets and techno polymer covers
- Anti-crushing device \* (EN 12453)
- Speed slowdown \* (EN 12453)
- 230V power supply

\* Functions guaranteed with VDS electronics

### PERFORMANCE REQUIREMENTS

- Semi-Intensive Use
- Frequency of use 50%
- Opening time 15 - 25 - 30 SEC
- Thrust 1500 N

## ACTUATORS AND ACCESSORIES

| CODE      | MOD       | DESCRIPTION  |
|-----------|-----------|--|
| 100053    | PM1-300*  | Irreversible - Stroke 300 mm - Leaf length up to 1,80 mt |
| 100053/1  | PM1-400 * | Irreversible - Stroke 400 mm - Leaf length up to 3 mt    |
| 100053/13 | PM1-600 * | Irreversible - Stroke 600 mm - Leaf length up to 4,50 mt |
| 100052    | PM-300 ** | Reversible - Stroke 300 mm - Leaf length up to 1,80 mt   |
| 100052/1  | PM-400 ** | Reversible - Stroke 400 mm - Leaf length up to 3 mt      |
| 100053/14 | PM-600 ** | Reversible - Stroke 600 mm - Leaf length up to 4,50 mt   |
| 121060    | CPS-300   | Rod cover - Stroke 300 mm                                |
| T11       | CPS 400   | Rod cover - Stroke 400 mm                                |
| T11/1     | CPS 600   | Rod cover - Stroke 600 mm                                |
| 140102    | STR       | Adjustable rear bracket                                  |

 PZ. PALLET  
950x1200x1100mm | 35 pcs. 280 KG

\* For PM1 (irreversible) for leaf longer than 1,80 mt is suggested the use of an electric lock

\*\* For PM (reversible) is always required the use of the electro lock

• For better radio reception we recommend the use of an external aerial code 210/1

• In the presence of strong wind and cold temperatures, the performance of the actuator can be significantly reduced  
Engine color customization on request.

### KIT CONTENT

#### ENGINE + 1 CONTROL BOARD + ACCESSORIES

 PZ. PALLET  
800x1200xH1580mm | 18 pcs. 340 KG



CODE. E105  
Control board 230V



CODE. 12/c  
Pair of photocells



CODE. 23/8  
LED flashing light



CODE. 198/5  
Key selector

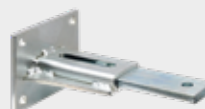


CODE. 165b  
Warning sign

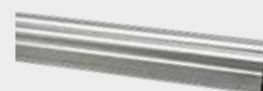


CODE. E010  
Remote control

### EXTRA ACCESSORIES



CODE. 140102  
Adjustable rear bracket



Code.CPS  
Rod cover

### KIT 1 LEAF

| CODE      | MOD           | DESCRIPTION                        |
|-----------|---------------|------------------------------------|
| 112557    | KIT PM1-300 * | Kit 1 leaf for gates up to 1,80 mt |
| 112550/3  | KIT PM1-400 * | Kit 1 leaf for gates up to 3 mt    |
| 1200041/1 | KIT PM1-600 * | Kit 1 leaf for gates up to 4,50 mt |
| 112556    | KIT PM-300 ** | Kit 1 leaf for gates up to 1,80 mt |
| 112556/1  | KIT PM-400 ** | Kit 1 leaf for gates up to 3 mt    |
| 112556/6  | KIT PM-600 ** | Kit 1 leaf for gates up to 4,50 mt |

### KIT 2 LEAVES

| CODE     | MOD           | DESCRIPTION                          |
|----------|---------------|--------------------------------------|
| 112550   | KIT PM1-300 * | Kit 2 leaves for gates up to 3,60 mt |
| 112550/4 | KIT PM1-400 * | Kit 2 leaves for gates up to 6 mt    |
| 112542/8 | KIT PM1-600 * | Kit 2 leaves for gates up to 9 mt    |
| 112542   | KIT PM-300 ** | Kit 2 leaves for gates up to 3,60 mt |
| 112542/4 | KIT PM-400 ** | Kit 2 leaves for gates up to 6 mt    |
| 112542/6 | KIT PM-600 ** | Kit 2 leaves for gates up to 9 mt    |

## PM1-SC

## LINEAR ELECTROMECHANICAL OPERATOR 230V - 24V

 VOLTAGE 230V-24V

 RESIDENTIAL

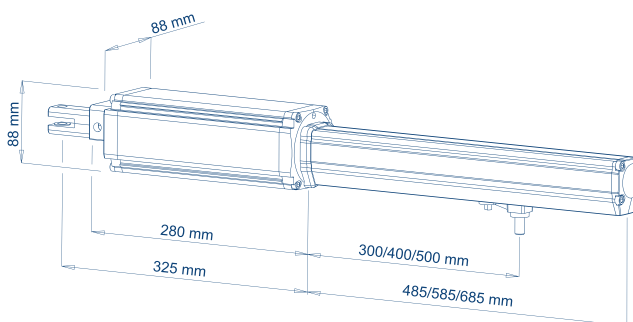
 COLLECTIVE

 LEAF LENGTH UP TO 4.50MT

 IRREVERSIBLE



| TECHNICAL FEATURES    | PM1-SC<br>230V | PM1-SC<br>24V |
|-----------------------|----------------|---------------|
| POWER SUPPLY          | 230V           | 24V           |
| LEAF WEIGHT           | 200 KG         | 200 KG        |
| LEAF LENGTH           | 3 MT           | 3 MT          |
| ENGINE RPM            | 1400 RPM       | 1500 RPM      |
| AVERAGE ABSORPTION    | 1 A            | 3 A           |
| ABSORBED POWER        | 200 W          | 50 W          |
| STANDARD LIMIT SWITCH | OPENING        | OPENING       |
| CONDENSER             | 16 UF          | -             |
| MOTOR WEIGHT          | 6.5 KG         | 6.5 KG        |
| NOISE LEVEL           | < 30 DBA       | < 30 DBA      |
| OPERATING TEMPERATURE | -20 / +55° C   | -20 / +55° C  |
| PROTECTION DEGREE     | IP55           | IP55          |



### FEATURES

- Sturdy aluminum structure
- Rod stroke MM 300 - MM 400 - MM 500
- High-strength rolled screw
- Standard opening limit switch (optional in closing)
- Very quiet operation
- High Performance electric motor
- Thermal cut out 140°
- Manual release with key
- Lithium grease lubrications of mechanical parts against corrosion, oxidation and rust
- 120° opening
- Quick installation with multi-position brackets and cover for brackets in technopolimers
- Anti-crushing system \* (EN 12453)
- Slowing down function \* (EN 12453)
- Power supply 230V - 24V
- Optional kit Battery Back-up

\* Functions guaranteed with VDS electronics

### PERFORMANCE REQUIREMENTS

- SEMI-INTENSIVE 230V, INTENSIVE 24V
- Use frequency: 50% (230V) - 90% (24V)
- Opening time: 15 - 25 - 30 seconds
- Thrust: 1500 N

## ACTUATORS AND ACCESSORIES

 PZ. PALLET  
950x1200x1100mm | 35 pcs. 270 KG

| CODE      | MOD               | DESCRIPTION                                     |
|-----------|-------------------|---|
| 100038    | PM1-SC 300-230V   | Irreversible - stroke 300 mm - max leaf 1.80 m  |
| 121820    | PM1-SC 400-230V * | Irreversible - stroke 400 mm - max leaf 2.50 m  |
| 121820/2  | PM1-SC 500-230V * | Irreversible - stroke 500 mm - max leaf 3 m     |
| 100038/24 | PM1-SC 300-24V    | Irreversible - stroke 300 mm - max leaf 1.80 m  |
| 121841/24 | PM1-SC 400-24V *  | Irreversible - stroke 400 mm - max leaf 2.50 m  |
| 121822/24 | PM1-SC 500-24V *  | Irreversible - stroke 500 mm - max leaf 3 m     |
| 140102    | STR               | Adjustable rear bracket                         |
| FC012     | FC-MECC           | Mechanical limit switches (opening and closing) |

\* For PM1-SC for leaf longer than 1,80 mt is suggested the use of an electric lock  
• For better radio reception we recommend the use of an external aerial code 210/1  
• Under strong wind or low temperature conditions, the actuator performance may be significantly reduced.

Engine color customization on request.

### KIT CONTENT

#### ENGINE + 1 CONTROL BOARD + ACCESSORIES

 PZ. PALLET  
800x1200x11580mm | 18 pcs. 310 KG



CODE. E105  
Control board 230V



CODE. F103  
Control board 24V



CODE. 12/C  
Pair of photocells



CODE. 23/8  
LED flashing light



CODE. 198/5  
Key selector

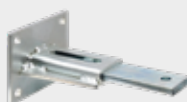


CODE. E010  
Remote control



CODE. 165B  
Warning sign

### EXTRA ACCESSORIES



CODE. 140102  
Adjustable rear bracket



CODE. FC012  
Mechanical limit switches  
(opening and closing)

### KIT 1 LEAF

| CODE     | MOD                   | DESCRIPTION                        |
|----------|-----------------------|------------------------------------|
| 110537/1 | KIT PM1-SC 300-230V   | Kit 1 leaf for gates up to 1,80 mt |
| 11256    | KIT PM1-SC 400-230V * | Kit 1 leaf for gates up to 2,50 mt |
| 121820/5 | KIT PM1-SC 500-230V * | Kit 1 leaf for gates up to 3 mt    |
| 110537/2 | KIT PM1-SC 300-24V    | Kit 1 leaf for gates up to 1,80 mt |
| 110537/4 | KIT PM1-SC 400-24V *  | Kit 1 leaf for gates up to 2,50 mt |
| 110537/3 | KIT PM1-SC 500-24V *  | Kit 1 leaf for gates up to 3 mt    |

### KIT 2 LEAVES

| CODE      | MOD                   | DESCRIPTION                          |
|-----------|-----------------------|--------------------------------------|
| 112537/2  | KIT PM1-SC 300-230V   | Kit 2 leaves for gates up to 3,60 mt |
| 112565    | KIT PM1-SC 400-230V * | Kit 2 leaves for gates up to 5 mt    |
| 121820/4  | KIT PM1-SC 500-230V * | Kit 2 leaves for gates up to 6 mt    |
| 112537/24 | KIT PM1-SC 300-24V    | Kit 2 leaves for gates up to 3,60 mt |
| 112735/24 | KIT PM1-SC 400-24V *  | Kit 2 leaves for gates up to 5 mt    |
| 121822/5  | KIT PM1-SC 500-24V *  | Kit 2 leaves for gates up to 6 mt    |

## EGO

## LINEAR ELECTROMECHANICAL OPERATOR 230V - 24V

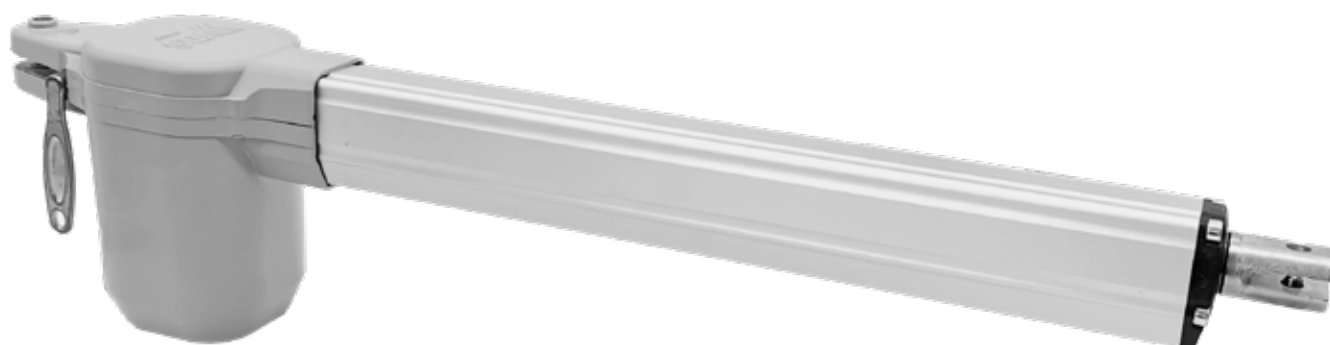
 **VOLTAGE 230V-24VFAST**

 **RESIDENTIAL**

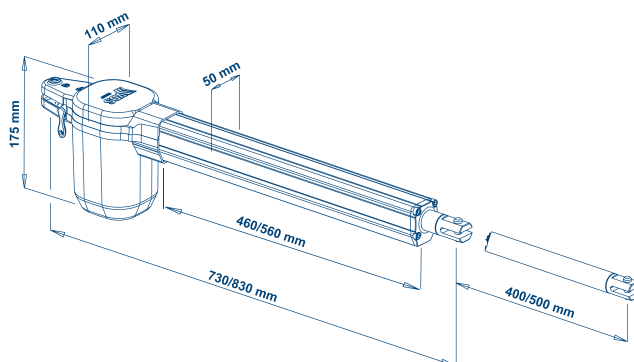
 **COLLECTIVE**

 **LEAF LENGHT UP TO 4 MT**

 **IRREVERSIBLE**



| TECHNICAL FEATURES    | EGO 230V     | EGO 24V FAST |
|-----------------------|--------------|--------------|
| POWER SUPPLY          | 230V         | 24V FAST     |
| LEAF WEIGHT           | 350 KG       | 300 KG       |
| LEAF LENGHT           | 4 MT         | 4 MT         |
| OPENING TIME          | 31 SEC       | 15 SEC       |
| ENGINE RPM            | 1400 RPM     | 2800 RPM     |
| AVERAGE ABSORPTION    | 1 A          | 3 A          |
| ABSORBED POWER        | 200 W        | 50 W         |
| STANDARD LIMIT SWITCH | OPTIONAL     | OPTIONAL     |
| CONDENSER             | 10 UF        | -            |
| MOTOR WEIGHT          | 6.5 KG       | 6.5 KG       |
| NOISE LEVEL           | < 30 DBA     | < 30 DBA     |
| OPERATING TEMPERATURE | -20 / +55° C | -20 / +55° C |
| PROTECTION DEGREE     | IP55         | IP55         |



### FEATURES

- Sturdy aluminum structure
- Rod stroke MM 400 - MM 500
- Stainless steel rod
- Optional limit switch
- Very quiet operation
- High Performance electric motor
- Thermal cut out 140°
- Manual release with key
- Lithium grease lubrications of mechanical parts against corrosion, oxidation and rust 120° opening
- Quick installation with multi-position brackets and cover for brackets in technopolimers
- Anti-crushing system \* (EN 12453)
- Slowing down function \* (EN 12453)
- Power supply 230V - 24V
- Optional kit Battery Back-up

### PERFORMANCE REQUIREMENTS

- Operating Cycle SEMI-INTENSIVE 230V, INTENSIVE 24V
- Use frequency 50% (230VAC) - 90% (24VCC)
- Opening time 15 - 31 SEC
- Thrust 2000 N

### INVERTED VERSION AVAILABLE



\* Functions guaranteed with VDS electronics

## ACTUATORS AND ACCESSORIES

| CODE     | MOD            | DESCRIPTION   |
|----------|----------------|---|
| 11020    | EGO 400 230V * | Irreversible - Stroke 400 mm - Leaf length up to 3 mt |
| 11021    | EGO 500 230V * | Irreversible - Stroke 500 mm - Leaf length up to 4 mt |
| 11020/24 | EGO 400 24V *  | Irreversible - Stroke 400 mm - Leaf length up to 3 mt |
| 11021/24 | EGO 500 24V *  | Irreversible - Stroke 500 mm - Leaf length up to 4 mt |
| FC012    | FC-MECC        | Mechanical limit switches (opening and closing)       |
| 140102   | STR            | Adjustable rear bracket                               |

 PZ. PALLET  
950x1200x1100mm | 35 pcs. 270 KG

\* For EGO for leaf longer than 1,80 mt is suggested the use of an electric lock  
• For better radio reception we recommend the use of an external antenna code 210/1  
• Under strong wind or low temperature conditions, the actuator performance may be significantly reduced.

Engine color customization on request.

## KIT CONTENT

### ENGINE + 1 CONTROL BOARD + ACCESSORIES

 PZ. PALLET  
800x1200x H1580mm | 18 pcs. 300 KG



CODE. E105  
Control board 230V



CODE. F103  
Control board 24V



CODE. 12/C  
Pair of photocells



CODE. 23/8  
LED flashing light



CODE. 198/5  
Key selector

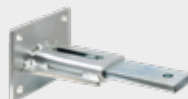


CODE. E010  
Remote control



CODE. 165B  
Warning sign

## EXTRA ACCESSORIES



CODE. 140102  
Adjustable rear bracket



CODE. FC012  
Mechanical limit switches  
(opening and closing)

## KIT 1 LEAF

| CODE    | MOD                | DESCRIPTION                     |
|---------|--------------------|---------------------------------|
| 11020/1 | KIT EGO 400 230V*  | Kit 1 leaf for gates up to 3 mt |
| 11021/1 | KIT EGO 500 230V * | Kit 1 leaf for gates up to 4 mt |
| 11024/1 | KIT EGO 400 24V*   | Kit 1 leaf for gates up to 3 mt |
| 11024/3 | KIT EGO 500 24V*   | Kit 1 leaf for gates up to 4 mt |

## KIT 2 LEAVES

| CODE    | MOD               | DESCRIPTION                       |
|---------|-------------------|-----------------------------------|
| 11020/2 | KIT EGO 400 230V* | Kit 2 leaves for gates up to 6 mt |
| 11021/2 | KIT EGO 500 230V* | Kit 2 leaves for gates up to 8 mt |
| 11024/2 | KIT EGO 400 24V*  | Kit 2 leaves for gates up to 6 mt |
| 11024/4 | KIT EGO 500 24V*  | Kit 2 leaves for gates up to 8 mt |

## LINEAR 11 LINEAR ELECTROMECHANICAL OPERATOR 230V - 24V

 VOLTAGE 230V-24V

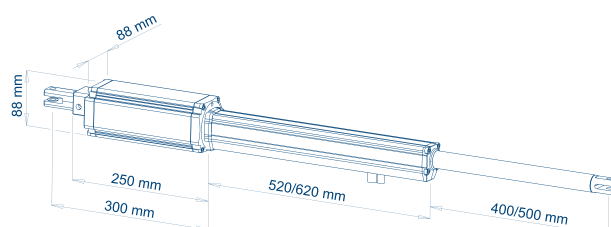
 RESIDENTIAL

 COLLECTIVE

 LEAF LENGHT UP TO 3 MT  IRREVERSIBLE



| TECHNICAL FEATURES    | LINEAR 11<br>230V | LINEAR 11<br>24V |
|-----------------------|-------------------|------------------|
| POWER SUPPLY          | 230V              | 24V              |
| LEAF WEIGHT           | 200 KG            | 200 KG           |
| LEAF LENGHT           | 3 MT              | 3 MT             |
| ENGINE RPM            | 1400 RPM          | 1500 RPM         |
| AVERAGE ABSORPTION    | 1 A               | 3 A              |
| ABSORBED POWER        | 200 W             | 50 W             |
| STANDARD LIMIT SWITCH | OPTIONAL          | OPTIONAL         |
| CONDENSER             | 16 UF             | -                |
| MOTOR WEIGHT          | 6.5 KG            | 6.5 KG           |
| NOISE LEVEL           | < 30 DBA          | < 30 DBA         |
| OPERATING TEMPERATURE | -20 / +55° C      | -20 / +55° C     |
| PROTECTION DEGREE     | IP55              | IP55             |



### FEATURES

- Sturdy aluminum structure
- Rod stroke MM 400 - MM 500
- Stainless steel rod
- Optional limit switch
- Very quiet operation
- High Performance electric motor
- Thermal cut out 140°
- Manual release with key
- Lithium grease lubrications of mechanical parts against corrosion, oxidation and rust
- 120° opening
- Quick installation with multi-position brackets and cover for brackets in technopolimers
- Anti-crushing system \* (EN 12453)
- Slowing down function \* (EN 12453)
- Power supply 230V - 24V
- Optional kit Battery Back-up

### PERFORMANCE REQUIREMENTS

- Operating Cycle SEMI-INTENSIVE 230V, INTENSIVE 24V
- Use frequency 50% (230VAC) - 90% (24VCC)
- Opening time 20 - 25 SEC
- Thrust 2000 N

\* Functions guaranteed with VDS electronics

## ACTUATORS AND ACCESSORIES

 PZ. PALLET  
950x1200x1100mm | 35 pcs. 225 KG

| CODE      | MOD                 | DESCRIPTION  |
|-----------|---------------------|--|
| 100018    | LINEAR 11 400 230V* | Irreversible - Stroke 400 mm - Leaf length up to 2,50 mt |
| 100018/5  | LINEAR 11 500 230V* | Irreversible - Stroke 500 mm - Leaf length up to 3 mt    |
| 100018/24 | LINEAR 11 400 24V*  | Irreversible - Stroke 400 mm - Leaf length up to 2,50 mt |
| 100018/7  | LINEAR 11 500 24V*  | Irreversible - Stroke 500 mm - Leaf length up to 3 mt    |
| 140102    | STR                 | Adjustable rear bracket                                  |
| FC012     | FC-MECC             | Mechanical limit switches (opening and closing)          |

\* In LINEAR 11 series when the sash exceeds 1.80 mt. the use of electric lock is recommended  
 • For better radio reception, the use of an external antenna CODE. is recommended. 210/1  
 • Under strong wind or low temperature conditions, the actuator performance may be significantly reduced.

Engine color customization on request.

### KIT CONTENT

#### ENGINE + 1 CONTROL BOARD + ACCESSORIES

 PZ. PALLET  
800X1200XH1580mm | 18 pcs. 320 KG



CODE. E105  
Control board 230V



CODE. F103  
Control board 24V



CODE. 12/C  
Pair of photocells



CODE. 23/8  
LED flashing light



CODE. 198/5  
Key selector

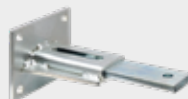


CODE. E010  
Remote control



CODE. 165B  
Warning sign

### EXTRA ACCESSORIES



CODE. 140102  
Adjustable rear bracket



CODE. FC012  
Mechanical limit switches  
(opening and closing)

### KIT 1 LEAF

| CODE    | MOD                     | DESCRIPTION                        |
|---------|-------------------------|------------------------------------|
| 10018/1 | KIT LINEAR 11 400 230V* | Kit 1 leaf for gates up to 2,50 mt |
| 10018/4 | KIT LINEAR 11 500 230V* | Kit 1 leaf for gates up to 3 mt    |
| 10018/2 | KIT LINEAR 11 400 24V*  | Kit 1 leaf for gates up to 2,50 mt |
| 10018/3 | KIT LINEAR 11 500 24V*  | Kit 1 leaf for gates up to 3 mt    |

### KIT 2 LEAVES

| CODE     | MOD                     | DESCRIPTION                       |
|----------|-------------------------|-----------------------------------|
| 100018/1 | KIT LINEAR 11 400 230V* | Kit 2 leaves for gates up to 5 mt |
| 100018/4 | KIT LINEAR 11 500 230V* | Kit 2 leaves for gates up to 6 mt |
| 100018/2 | KIT LINEAR 11 400 24V*  | Kit 2 leaves for gates up to 5 mt |
| 100019   | KIT LINEAR 11 500 24V*  | Kit 2 leaves for gates up to 6 mt |

# MORAN 25 LINEAR ELECTROMECHANICAL OPERATOR 230V

 VOLTAGE 230V

 RESIDENTIAL

 COLLECTIVE

 LEAF LENGHT UP TO 5 MT

 IRREVERSIBLE

 REVERSIBLE



| TECHNICAL FEATURES            | MORAN 25-R   | MORAN 25-V   |
|-------------------------------|--------------|--------------|
| POWER SUPPLY                  | 230V         | 230V         |
| LEAF WEIGHT                   | 600 KG*      | 600 KG*      |
| LEAF LENGHT                   | 5 MT         | 5 MT         |
| AVERAGE ABSORPTION            | 1 A          | 1,2A         |
| ABSORBED POWER                | 200 W        | 300 W        |
| OPENING -CLOSING LIMIT SWITCH | YES          | YES          |
| CONDENSER                     | 6.3 MF       | 6.3 MF       |
| MOTOR WEIGHT                  | 9 KG         | 9 KG         |
| ENVIORNMENTAL CONDITIONS      | -20 / +70° C | -20 / +70° C |
| DEGREE OF PROTECTION          | IP55         | IP55         |

## FEATURES

- Actuator in sturdy extruded aluminum construction
- Useful stroke MM 415
- Electromechanical limit switch included
- Maximum quiet operation
- High Performance Electric Motor
- Thermal protection 135°
- Manual key release
- Anti-crushing device \* (EN 12453)
- Speed slowdown \* (EN 12453)
- 230V power supply

## PERFORMANCE REQUIREMENTS

- SEMI-INTENSIVE use
- Frequency of use 60% Moran25R, 50% Moran25V
- Opening speed: Moran25R 16.2 mt/min - Moran25V 10.7mt/min

## \*USE LIMITS

| LEAF LENGHT | MAX LEAF WEIGHT |
|-------------|-----------------|
| 2mt         | 600kg           |
| 2.5mt       | 500kg           |
| 3mt         | 400kg           |
| 3.5         | 300kg           |
| 4mt         | 250kg           |
| 4.5mt       | 250kg           |
| 5mt         | 200kg           |

\* Functions guaranteed with VDS electronics

## ACTUATORS AND ACCESSORIES

| CODE    | MOD       | DESCRIPTION   |
|---------|-----------|---|
| 300085R | MORAN-25R | Reversible leaf with opening/closing limit switch 230V <span style="float: right;">•</span>               |
| 300086  | MORAN-25V | Irreversible fast leaf Veloce with opening/closing limit switch 230V <span style="float: right;">•</span> |

\* For Moran25, for leaf longer than 3mt, is required the used of a control board with slowing down function.

- Moran25-R always needs the electric lock.
- Moran25-V - Moran25-L need the electric lock for leaves longer than 3m.

### KIT CONTENT

#### ENGINE + 1 CONTROL BOARD + ACCESSORIES



CODE. E105  
Control board 230V



CODE. 12/C  
Pair of photocells



CODE. 23/8  
LED flashing light



CODE. 198/5  
Key selector



CODE. E010  
Remote control



CODE. 165B  
Warning sign

### KIT 1 LEAF

| CODE     | MOD             | DESCRIPTION   |
|----------|-----------------|---|
| 30085-1R | KIT MORAN - 25R | Kit 1 leaf for gates up to 5 m <span style="float: right;">•</span> |
| 30086-1V | KIT MORAN - 25V | Kit 1 leaf for gates up to 5 m <span style="float: right;">•</span> |

### KIT 2 LEAVES

| CODE     | MOD             | DESCRIPTION  |
|----------|-----------------|--|
| 30085-2R | KIT MORAN - 25R | Kit 2 leaves for gates up to 10 m <span style="float: right;">•</span> |
| 30086-2V | KIT MORAN - 25V | Kit 2 leaves for gates up to 10 m <span style="float: right;">•</span> |

## IBIS

## ARTICULATED ELECTROMECHANICAL OPERATOR 230V - 24V

**VOLTAGE 24V**

**RESIDENTIAL**

**COLLECTIVE**

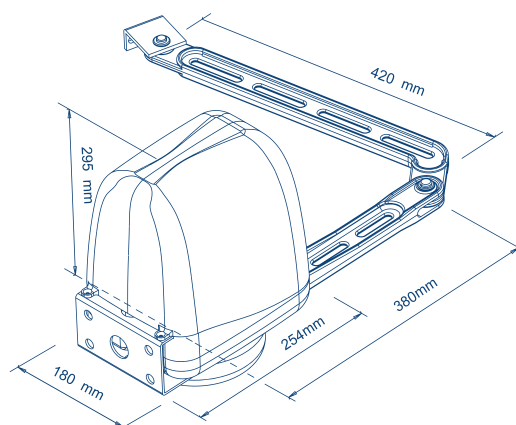
**LEAF LENGTH UP TO 2.5 MT**

**IRREVERSIBLE**

**LED COURTESY LIGHT**



| TECHNICAL FEATURES    | IBIS 24V     |
|-----------------------|--------------|
| POWER SUPPLY          | 24V          |
| LEAF WEIGHT           | 200 KG       |
| LEAF LENGTH           | 2.5 M        |
| ENGINE RPM            | 1800 RPM     |
| AVERAGE ABSORPTION    | 3 A          |
| ABSORBED POWER        | 50 W         |
| CONDENSER             | -            |
| MOTOR WEIGHT          | 9.5 KG       |
| NOISE LEVEL           | < 30 DBA     |
| OPERATING TEMPERATURE | -20 / +55° C |
| PROTECTION DEGREE     | IP44         |



### FEATURES

- Sturdy aluminum, die-casting structure
- Steel and cast iron and bronze gears obtained from solid
- Aluminum articulated anti-shaering arm, powder coated
- Very quiet operation
- High Performance electric motor
- Manual release with custom key
- Predisposition for remote release by cable
- Mechanical limit switch in opening and closing
- Lithium grease lubrications of mechanical parts against corrosion, oxidation and rust
- Opening 120°
- Suited for installation on large pillars
- Single version for right and left door
- Control board with obstacle detection
- Anti-crushing system \* (EN 12453)
- Slowing down function \* (EN 12453)
- Soft start - Soft stop
- Optional kit Battery Back-up
- Power supply 24V

### PERFORMANCE REQUIREMENTS

- Operating Cycle INTENSIVE 24V
- Use frequency 90%
- Opening and closing time 15 SEC
- Thrust 250 NM

\* Functions guaranteed with VDS electronics

## ACTUATORS AND ACCESSORIES

| CODE    | MOD               | DESCRIPTION                                 |
|---------|-------------------|---|
| 11280   | IBIS 24V *        | Irreversible - Leaf length up to 2,5 mt     |
| 11280/1 | IBIS 24V MASTER * | Irreversible - Leaf length up to 2,5 mt     |
| K028    | SLT               | Control board and built-in receiver 433 mHz |
| 855     | SBL               | Maya external release with 3 m cable        |
| FC011   | IBIS-FC           | Pair of electric limit switches             |

 PZ. PALLET  
800x1200x1100mm | 24pcs. 250 KG

- \* For IBIS for leaf longer than 2 mt is suggested the use of an electric lock
- For better radio reception we recommend the use of an external aerial code 210/1
- Under strong wind or low temperature conditions, the actuator performance may be significantly reduced.

### KIT CONTENT

#### ENGINE + 1 CONTROL BOARD + ACCESSORIES

 PZ. DOUBLEMOTOR PALLET 2 DOORS  
800x1200x1650mm | 20 pcs. 250 KG



CODE. F103  
Control board 24V



CODE. 12/C  
Pair of photocells



CODE. 23/8  
LED flashing light



CODE. 198/5  
Key selector



CODE. E010  
Remote control

### EXTRA ACCESSORIES



CODE. 165B  
Warning sign



CODE. K028  
Pedestrian door bracket kit



CODE. 855  
Maya external release + 3m cable



CODE. FC011  
Pair of electric limit switches

### KIT 1 LEAF

| CODE    | MOD            | DESCRIPTION                       |
|---------|----------------|-----------------------------------|
| 11280/3 | KIT IBIS 24V * | Kit 1 leaf for gates up to 2,5 mt |

### KIT 2 LEAVES

| CODE    | MOD            | DESCRIPTION                       |
|---------|----------------|-----------------------------------|
| 11280/2 | KIT IBIS 24V * | Kit 2 leaves for gates up to 5 mt |

## TEKNO

## ARTICULATED ELECTROMECHANICAL OPERATOR 230V

 VOLTAGE 230V

 RESIDENTIAL

 COLLECTIVE

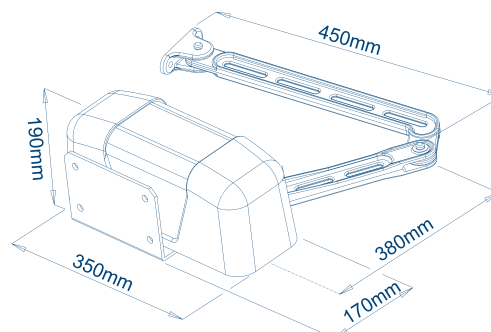
 LEAF LENGHT UP TO 3.5 MT

 IRREVERSIBLE



### TECHNICAL FEATURES

| TECHNICAL FEATURES    | TEKNO 230V   |
|-----------------------|--------------|
| POWER SUPPLY          | 230V         |
| LEAF WEIGHT           | 800 KG       |
| LEAF LENGHT           | 3.5 M        |
| ENGINE RPM            | 1400 RPM     |
| AVERAGE ABSORPTION    | 1,3 A        |
| ABSORBED POWER        | 250 W        |
| STANDARD LIMIT SWITCH | ELECTRICAL   |
| CONDENSER             | 12.5 UF      |
| MOTOR WEIGHT          | 8 KG         |
| NOISE LEVEL           | < 30 DBA     |
| OPERATING TEMPERATURE | -20 / +55° C |
| PROTECTION DEGREE     | IP44         |



### FEATURES

- Sturdy aluminum, die-casting structure
- Steel, cast iron and bronze gears obtained from solid
- Aluminum articulated anti-shaering arm, powder coated
- Very quiet operation
- High Performance electric motor
- Mechanical release with triangular key
- Electric limit switch in opening and closing
- Lithium grease lubrications of mechanical parts against corrosion, oxidation and rust
- Opening 120°
- Suited for installation on large pillars
- Single version for right and left door
- Control panel with obstacle detection
- Anti-crushing system \* (EN 12453)
- Slowing down function \* (EN 12453)
- Power supply 230V

### PERFORMANCE REQUIREMENTS

- Operating Cycle semi-intensivE
- Use frequency 50% (230VAC)
- Opening and closing time 15 SEC
- Thrust 250 NM

\* Functions guaranteed with VDS electronics

## ACTUATORS AND ACCESSORIES

| CODE   | MOD          | DESCRIPTION                             |
|--------|--------------|---|
| 100055 | TEKNO 230V * | Irreversible - Leaf length up to 3,5 mt |
| 754/1B | BRC-ST       | Aluminium arm- standard size            |
| 754/2B | BRC-ST-F     | Iron arm- standard size                 |
| GRP121 | BRC-LUNGO    | Iron arm - longer size                  |
| GRP120 | BRC-TELE     | Iron arm - Telescopic                   |



PZ. PALLET  
800x1200x1000 | 24 pcs. 250 KG

- \* For TEKNO for leaf longer than 2 mt is suggested the use of an electric lock
- For better radio reception we recommend the use of an external aerial code 210/1
- Under strong wind or low temperature conditions, the actuator performance may be significantly reduced.

Engine color customization on request.

## KIT CONTENT

### ENGINE + 1 CONTROL BOARD + ACCESSORIES



PZ. DOUBLE MOTOR PALLET 2 DOORS  
800x1200x1500mm 20pcs. 390 KG



CODE. E105  
Control board 230V



CODE. 12/C  
Pair of photocells



CODE. 23/8  
LED flashing light



CODE. 198/5  
Key selector



CODE. E010  
Remote control

## EXTRA ACCESSORIES



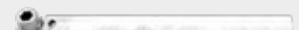
CODE. 165B  
Warning sign



CODE. 754/2B  
Iron arm- standard size



CODE. GRP121  
Iron arm - longer size for large pillars



CODE. GRP120  
Iron arm - Telescopic

## KIT 1 LEAF

| CODE    | MOD              | DESCRIPTION                       |
|---------|------------------|-----------------------------------|
| 10055/1 | KIT TEKNO 230V * | Kit 1 leaf for gates up to 3,5 mt |

## KIT 2 LEAVES

| CODE    | MOD              | DESCRIPTION                       |
|---------|------------------|-----------------------------------|
| 10055/2 | KIT TEKNO 230V * | Kit 2 leaves for gates up to 7 mt |

## UNDER-V

## UNDERGROUND ELECTROMECHANICAL OPERATOR 230V - 24V

**VOLTAGE 230V-24V**

**RESIDENTIAL**

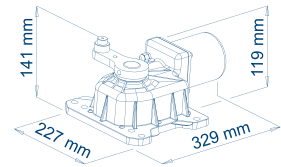
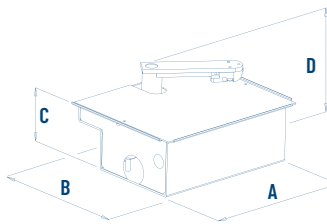
**COLLECTIVE**

**LEAF LENGHT UP TO 3.5 MT**

**IRREVERSIBLE**



| TECHNICAL FEATURES    | UNDER V<br>230V | UNDER V<br>24V |
|-----------------------|-----------------|----------------|
| POWER SUPPLY          | 230V            | 24V            |
| LEAF WEIGHT           | 800 KG          | 600 KG         |
| LEAF LENGHT           | 3.5 M           | 3.5 M          |
| ENGINE RPM            | 1400            | 1800           |
| AVERAGE ABSORPTION    | 1,4 A           | 3 A            |
| ABSORBED POWER        | 280 W           | 50 W           |
| CONDENSER             | 12.5 UF         | -              |
| MOTOR WEIGHT          | 10 KG           | 10 KG          |
| NOISE LEVEL           | < 30 DBA        | < 30 DBA       |
| OPERATING TEMPERATURE | -20 / +55° C    | -20 / +55° C   |
| PROTECTION DEGREE     | IP67            | IP67           |



### DIMENSIONS

|   | IRON FOUNDATION<br>BOX | STAINLESS STEEL<br>FOUNDATION BOX | ABS FOUNDATION<br>BOX |
|---|------------------------|-----------------------------------|-----------------------|
| A | 395                    | 375                               | 405                   |
| B | 330                    | 325                               | 340                   |
| C | 160                    | 165                               | 170                   |
| D | 225                    | 225                               | 230                   |

### FEATURES

- Sturdy aluminum, die-casting structure
- Steel and cast gears obtained from solid
- Self-supporting operator, ideal for large gates
- Iron, stainless steel, abs foundation box availables
- Very quiet operation
- High Performance electric motor
- Mechanical release for emergency operation with lever supplied
- Shaft drive and screws in stainless steel
- Lithium grease lubrications of mechanical parts against corrosion, oxidation and rust
- 90° opening
- Anti-crushing system \* (EN 12453)
- Slowing down function \* (EN 12453)
- Optional kit battery back-up
- Power supply 230V - 24V

### PERFORMANCE REQUIREMENTS

- Operating Cycle Semi-Intensive 230vac, intensive 24vcc
- Use frequency 50% (230VAC) - 90% (24VCC)
- Opening time 16 SEC
- Torque 250 Nm
- Pinion rotation 90°

Available with FOUNDATION BOX in galvanized steel and technopolymer with high resistance to corrosion. Predisposition for water drainage pump application.

\* Functions guaranteed with VDS electronics

## ACTUATORS AND ACCESSORIES



PZ. PALLET  
800x1200x1000 | 32 pcs. 490 KG

| CODE      | MOD          | DESCRIPTION   |
|-----------|--------------|---|
| 121991/1  | UNDER-V 230V | Irreversible - Leaf length up to 3,50 mt                            |
| 121991/24 | UNDER-V 24V  | Irreversible - Leaf length up to 3,50 mt                            |
| 121992/3  | CASSA-Z      | Galvanized iron foundation box with levers                          |
| 121993/1  | CASSA-I      | Stainless steel foundation box with levers                          |
| 121992/4  | CASSA-PZ     | Technopolymer foundation box - galvanized cover                     |
| 121992/5  | CASSA-PI     | Technopolymer foundation box - stainless steel cover                |
| FC006     | FINECORSA    | Mechanical limit switches (opening and closing)                     |
| 121992/1  | 180          | 180 ° opening kit   |
| ST9091    | COMP         | Adapter curved bracket for compatibility with boxes of other brands |
| K031      | SR           | Bracket with lock with custom key                                   |



PZ. PALLET  
800x1200x1200 | 10 pcs. 270 KG

### KIT CONTENT

### ENGINE + 1 CONTROL BOARD + ACCESSORIES



CODE. E105  
Control board 230V



CODE. F103/P  
Control board 24V



CODE. 12/C  
Pair of photocells



CODE. 23/8  
LED flashing light



CODE. 198/5  
Key selector



CODE. E010  
Remote control



CODE. 165B  
Warning sign

### EXTRA ACCESSORIES



CODE. 121992/1  
180° opening kit



CODE. K031  
Bracket with custom key lock



CODE. ST9091  
Curved bracket adapter for speaker compatibility other brands



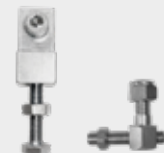
CODE. 121992/5  
Technopolymer foundation box, stainless steel cover



CODE. 121992/3  
Galvanized iron foundation box with levers



CODE. 121993/1  
Stainless steel foundation box with levers



CODE. FC006  
Mechanical limit switches (opening and closing)

### KIT 1 LEAF

| CODE     | MOD              | DESCRIPTION   |
|----------|------------------|---|
| 121994/4 | KIT UNDER-V 230V | Kit 1 leaf for gates up to 3,5 mt with galvanized boxes |
| 121994/6 | KIT UNDER-V 24V  | Kit 1 leaf for gates up to 3,5 mt with galvanized boxes |

### KIT 2 LEAVES

| CODE     | MOD              | DESCRIPTION   |
|----------|------------------|---|
| 121994/1 | KIT UNDER-V 230V | Kit 2 leaves for gates up to 7 mt with galvanized boxes |
| 121994/2 | KIT UNDER-V 24V  | Kit 2 leaves for gates up to 7 mt with galvanized boxes |
| 121994/3 | KIT UNDER-V 230V | Kit 2 leaves for gates up to 7 mt without boxes         |
| 121994/5 | KIT UNDER-V 24V  | Kit 2 leaves for gates up to 7 mt without boxes         |

## PH-PH1 OLEODYNAMIC OPERATOR 230V

**VOLTAGE 230V**

**RESIDENTIAL**

**COLLECTIVE**

**PH1 IRREVERSIBLE: LEAF LENGTH UP TO 5 MT**  
**PH REVERSIBLE: LEAF LENGTH UP TO 6 MT**

**IRREVERSIBLE**

**REVERSIBLE**



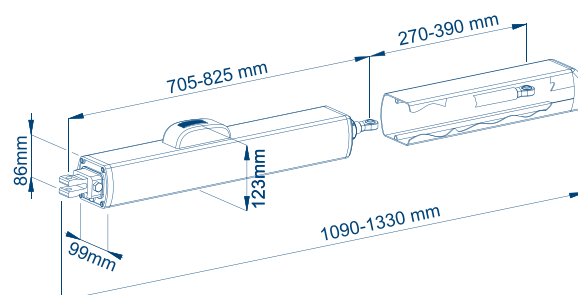
| TECHNICAL FEATURES    | PH1 270       | PH 270        | PH1 390       | PH 390        |
|-----------------------|---------------|---------------|---------------|---------------|
| POWER SUPPLY          | 230 V         | 230 V         | 230 V         | 230 V         |
| LEAF WEIGHT           | 500 KG        | 500 KG        | 500 KG        | 500 KG        |
| LEAF LENGHT           | 2.5 MT        | 3.5 MT        | 5 MT          | 6 MT          |
| ENGINE RPM            | 1400          | 1400          | 1400          | 1400          |
| AVERAGE ABSORPTION    | 1A            | 1A            | 1,9A          | 1,9A          |
| ABSORBED POWER        | 250W          | 250W          | 350W          | 350W          |
| CONDENSER             | 10 UF         | 10 UF         | 10 UF         | 10 UF         |
| MOTOR WEIGHT          | 11 KG         | 11 KG         | 12 KG         | 12 KG         |
| NOISE LEVEL           | <30 DBA       | <30 DBA       | <30 DBA       | <30 DBA       |
| OPERATING TEMPERATURE | -20° C +70° C | -20° C +70° C | -20° C +70° C | -20° C +70° C |
| PROTECTION DEGREE     | IP 55         | IP 55         | IP 55         | IP 55         |

### FEATURES

- Sturdy aluminum structure
- Stroke MM 270 - MM 390
- Chromed steel rod with uniball joint
- Very quiet operation
- Electric motor in oil bath
- 140° thermal protection
- Manual release with key
- 90° opening
- Quick installation with multi-position brackets
- Hydraulic slowdown adjustment in closing
- Power supply 230V
- PH needs electric lock
- Limit switches (optional)

### PERFORMANCE REQUIREMENTS

- Operating Cycle **INTENSIVE**
- Use frequency **90%**
- Thrust **1850/2240 N**



## ACTUATORS AND ACCESSORIES



PZ. PALLET  
800x1200x1000 | 36 pcs. 460 KG

| CODE    | MOD      | DESCRIPTION   |   |
|---------|----------|---|---|
| 121913  | PH1 270  | Irreversible - Stroke 270 mm - Leaf length up to 2,5 mt | ● |
| 121927  | PH 270 * | Reversible - Stroke 270 mm - Leaf length up to 3,5 mt   | ● |
| 12384   | PH1 390  | Irreversible - Stroke 390 mm - Leaf length up to 5 mt   | ● |
| 12384/1 | PH 390 * | Reversible - Stroke 390 mm - Leaf length up to 6 mt     | ● |
| SC60    | FC       | Mechanical limit switch                                 |   |

- In the PH1 series for better radio reception, the use of an external code antenna is recommended. 210/1  
- In high winds and cold temperatures, actuator performance can be greatly reduced  
Electric lock:  
- PH Required,  
- PH1 Recommended.

Engine color customization on request.

## KIT CONTENT

### ENGINE + 1 CONTROL BOARD + ACCESSORIES



PZ. PALLET  
800x1200x1200 | 14 pcs. 390 KG



CODE. E105  
Control board 230V



CODE. 12/C  
Pair of photocells



CODE. 23/8  
LED flashing light



CODE. 198/5  
Key selector



CODE. E010  
Remote control



CODE. 165B  
Warning sign

## EXTRA ACCESSORIES



CODE. SC60  
Mechanical limit switch

## KIT 1 LEAF

| CODE     | MOD           | DESCRIPTION                       |   |
|----------|---------------|-----------------------------------|---|
| 112570/3 | KIT PH1 270 * | Kit 1 leaf for gates up to 2,5 mt | ● |
| 112570/2 | KIT PH 270    | Kit 1 leaf for gates up to 3 mt   | ● |
| 12384/4  | KIT PH1 390   | Kit 1 leaf for gates up to 5 mt   | ● |
| 12384/5  | KIT PH 390 *  | Kit 1 leaf for gates up to 6 mt   | ● |

## KIT 2 LEAVES

| CODE     | MOD          | DESCRIPTION                           |   |
|----------|--------------|---------------------------------------|---|
| 112570   | KIT PH1 270  | Kit 2 leaves for gates up to 5 m      | ● |
| 112570/1 | KIT PH 270 * | Kit 2 leaves for gates up to 6 m      | ● |
| 12384/2  | KIT PH1 390  | Kit 2 leaves kit for gates up to 10 m | ● |
| 12384/3  | KIT PH 390 * | Kit 2 leaves kit for gates up to 12 m | ● |

## PHV OLEODYNAMIC OPERATOR 230V

**VOLTAGE 230V**

**PHV IRREVERSIBLE: LEAF LENGTH UP TO 4 MT**  
**PH REVERSIBLE: LEAF LENGTH UP TO 7 MT**

**RESIDENTIAL**

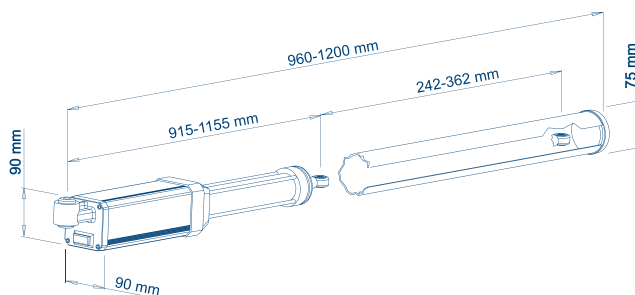
**IRREVERSIBLE**

**COLLECTIVE**

**REVERSIBLE**



| TECHNICAL FEATURES    | PHV 240      | PHV 360      |
|-----------------------|--------------|--------------|
| POWER SUPPLY          | 230VAC       | 230VAC       |
| LEAF WEIGHT           | 600 KG       | 800 KG       |
| LEAF LENGTH           | 4 MT         | 7 MT         |
| ENGINE RPM            | 50 BAR       | 50 BAR       |
| AVERAGE ABSORPTION    | 1,1 A        | 1,3 A        |
| ABSORBED POWER        | 276 W        | 280 W        |
| STANDARD LIMIT SWITCH | OPTIONAL     | OPTIONAL     |
| CONDENSER             | 16 UF        | 16 UF        |
| MOTOR WEIGHT          | 12 KG        | 13.5 KG      |
| NOISE LEVEL           | < 30 DBA     | < 30 DBA     |
| OPERATING TEMPERATURE | -15 / +80° C | -15 / +80° C |
| PROTECTION DEGREE     | 100          | 100          |



### FEATURES

- Actuator made of sturdy aluminum and die-cast construction
- Useful stroke MM 242 (PHV 240) - MM 362 (PHV 360)
- Steel rod, ground and chrome-plated MM 20
- Maximum quiet operation
- Electric motor in oil bath
- Valve device for selection between reversibility or locking
- Hydraulic adjustment of thrust force
- Oleodynamic adjustment of the closing slowdown
- Aluminum Rod cover included
- Manual key release
- 90° opening
- Quick mounting with multi-position brackets
- 230V power supply
- Limit switch in opening (optional)

### PERFORMANCE REQUIREMENTS

- Operating Cycle INTENSIVE
- Use frequency 90%
- Thrust 50Nm
- Pinion rotation 1850/2240N

## ACTUATORS AND ACCESSORIES

 PZ. PALLET  
800x1200x1200mm 40pcs. 440 KG

| CODE   | MOD        | DESCRIPTION  |
|--------|------------|--|
| 100021 | PHV 240 *  | Irreversible/Reversible - Stroke 242MM-Leaf lenght up to 4mt |
| 100022 | PHV 360 ** | Irreversible/Reversible - Stroke 362MM-Leaf lenght up to 7mt |
| SD1    | FC         | Mechanical limit switch                                      |

\* For PHV 240 for leaves longer than 1,80 meters, the use of the electric lock is always required  
 \*\* For PHV 360 for leaves longer than 2,50 meters, the use of the electric lock is always required  
 • For better radio reception we recommend the use of an external aerial code 210/1  
 • Under strong wind or low temperature conditions, the actuator performance may be significantly reduced.

Engine color customization on request.

## KIT CONTENT

### ENGINE + 1 CONTROL BOARD + ACCESSORIES

 PZ. PALLET  
800x1200x1200 | 8 pcs. 270 KG



CODE. E105  
Control board 230V



CODE. 12/C  
Pair of photocells



CODE. 23/8  
LED flashing light



CODE. 198/5  
Key selector



CODE. E010  
Remote control



CODE. 165B  
Warning sign

### EXTRA ACCESSORIES



CODE. SD1  
Mechanical limit switch

## KIT 1 LEAF

| CODE     | MOD            | DESCRIPTION                     |
|----------|----------------|---------------------------------|
| 112581/3 | KIT PHV 240 *  | Kit 1 leaf for gates up to 4 mt |
| 112581/4 | KIT PHV 360 ** | Kit 1 leaf for gates up to 7 mt |

## KIT 2 LEAVES

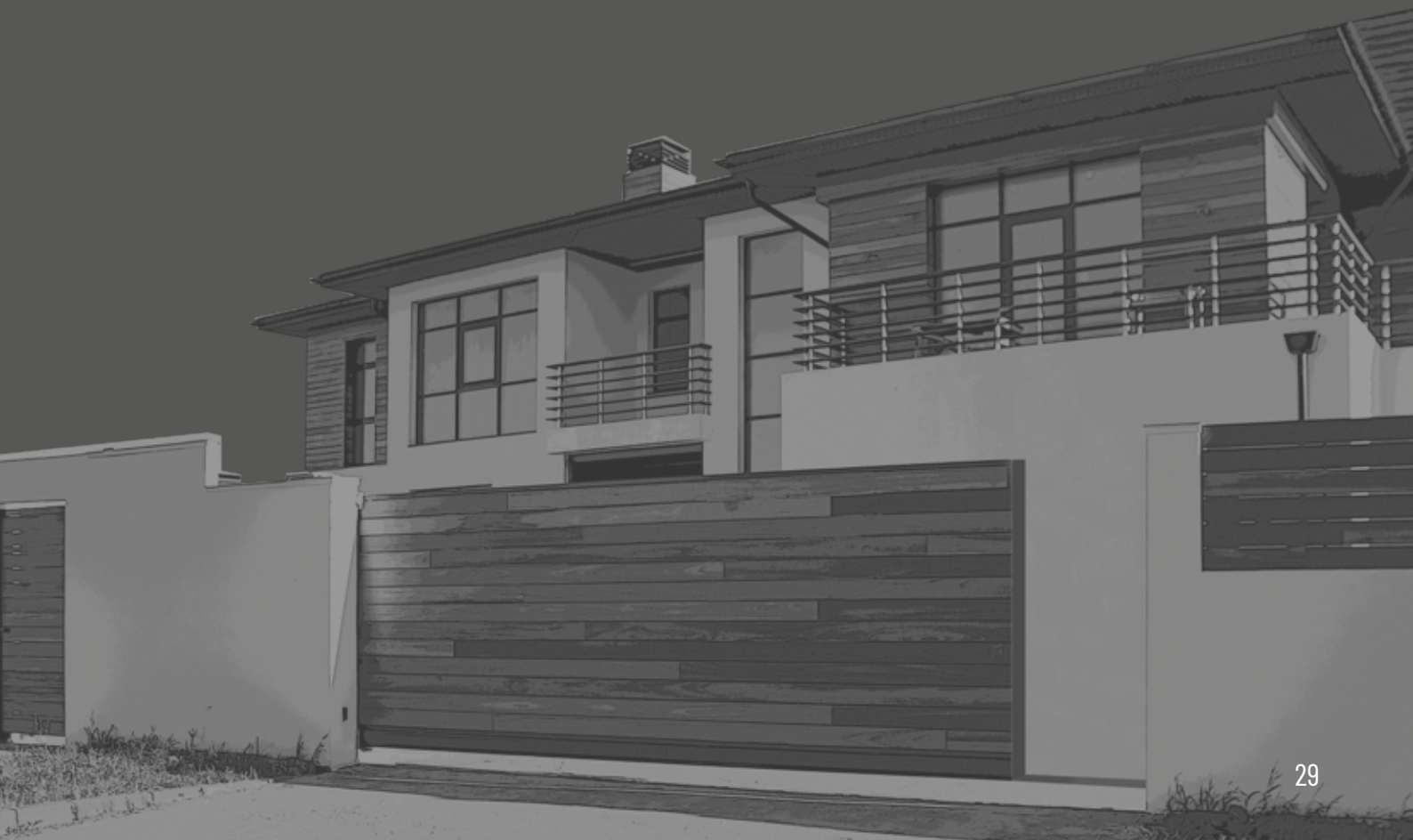
| CODE     | MOD            | DESCRIPTION                        |
|----------|----------------|------------------------------------|
| 112581/1 | KIT PHV 240 *  | Kit 2 leaves for gates up to 8 mt  |
| 112581/2 | KIT PHV 360 ** | Kit 2 leaves for gates up to 14 mt |

| <b>Sliding Gates Automations</b>         | <b>Page.</b> |
|--|--------------|
| <b>GEKO</b> 24V - Max 400KG              | 30           |
| <b>SIMPLY</b> 230V/24V - Max 600KG       | 32           |
| <b>CARRERA</b> 230V/24V - Max 1000KG     | 34           |
| <b>AG FUTURE</b> 230V/380V - Max 1800KG  | 36           |
| <b>AT PLUS</b> 230V/380V - Max 3500KG    | 38           |
| <b>TOM</b> 230V/400V - Max 5000KG        | 40           |
| <b>SLIM VULCAN</b> 230V/400V - Max 200KG | 42           |

Fast series automations **ESPRESSO** for sliding gates

**SIMPLY - CARRERA - AG FUTURE - AT PLUS** 46-47

# SLIDING GATES AUTOMATIONS



# GEKO OPERATOR 230V

 VOLTAGE 230V

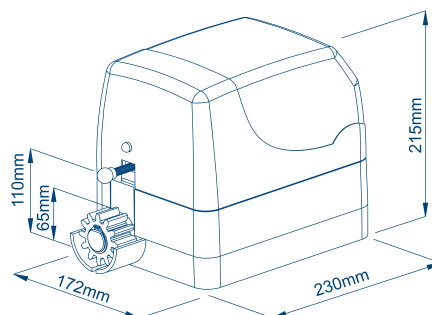
 RESIDENTIAL

 COLLECTIVE

 GATES UP TO 400KG



| TECHNICAL FEATURES    | GEKO 230V    |
|-----------------------|--------------|
| POWER SUPPLY          | 230V         |
| LEAF WEIGHT           | 400 KG       |
| PINION                | M4-Z12       |
| ENGINE RPM            | 1400 RPM     |
| AVERAGE ABSORPTION    | 1,3 A        |
| ABSORBED POWER        | 250 W        |
| CONDENSER             | 10 UF        |
| MOTOR WEIGHT          | 8 KG         |
| NOISE LEVEL           | < 30 DBA     |
| OPERATING TEMPERATURE | -20 / +55° C |
| PROTECTION DEGREE     | IP44         |



## FEATURES

- Structure in die-cast aluminum, powder-coated
- Steel and cast gears obtained from solid
- Lithium grease lubrications of mechanical parts against corrosion, oxidation and rust
- Very quiet operation
- High Performance electric motor
- Lever release with custom key
- Electronic torque control
- Pre-wiring and easy programming software
- Available with or without control unit
- Control unit box with airtight seal against moisture and insects
- Anti-crushing system \* (EN 12453)
- Power supply 230V

## PERFORMANCE REQUIREMENTS

- Operating Cycle Semi-Intensive 230vac
- Use frequency 50% (230VAC)
- Speed 10 MT/MIN (230VAC)

\* Functions guaranteed with VDS electronics

## GEARED MOTORS AND ACCESSORIES



PZ. PALLET  
800x1200x1300mm | 50 pcs. 410 KG

| CODE    | MOD           | DESCRIPTION  |
|---------|---------------|--|
| 11090   | GEKO 230V*    | Operator - Without control board                       |
| 11090/1 | GEKO 230V CQ* | Operator - Control board and built-in receiver 433 mHz |
| CPT04   | CPT           | Fixing plate   |

- \* Fixing plate not included
- For better radio reception we recommend the use of an external aerial code 210/1
- Under strong wind or low temperature conditions, the actuator performance may be significantly reduced.

### KIT CONTENT

#### ENGINE + 1 CONTROL BOARD + ACCESSORIES



PZ. DOUBLE MOTOR PALLET  
800x1200x1300 | 50 pcs. 410KG



CODE. E102-I  
Control board 230V



CODE. 12/C  
Pair of photocells



CODE. 23/8  
LED flashing light



CODE. 198/5  
Key selector



CODE. CPT04  
Fixing plate



CODE. E010  
Remote control



CODE. 165B  
Warning sign

| CODE    | MOD           | DESCRIPTION                |
|---------|---------------|----------------------------|
| 11090/2 | KIT GEKO 230V | Kit for gates up to 400 kg |

# SIMPLY OPERATOR 230V - 24V

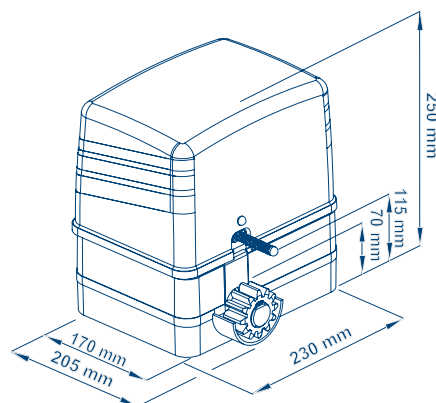
⚡ VOLTAGE 230V-24V    🏠 RESIDENTIAL    🏢 COLLECTIVE

📄 GATES UP TO 600KG

Available in ESPRESSO version Page. 46



| TECHNICAL FEATURES      | SIMPLY 230V  | SIMPLY 24V   |
|-------------------------|--------------|--------------|
| POWER SUPPLY            | 230V         | 24V          |
| LEAF WEIGHT             | 600 KG       | 600 KG       |
| PINION                  | M4-Z12       | M4-Z12       |
| ENGINE RPM              | 1400 RPM     | 1800 RPM     |
| AVERAGE ABSORPTION      | 1,3 A        | 3 A          |
| ABSORBED POWER          | 250 W        | 50 W         |
| CONDENSER               | 12.5 UF      | -            |
| MOTOR WEIGHT            | 8 KG         | 8 KG         |
| NOISE LEVEL             | < 30 DBA     | < 30 DBA     |
| ENVIROMENTAL CONDITIONS | -20 / +55° C | -20 / +55° C |
| PROTECTION DEGREE       | IP44         | IP44         |



## FEATURES

- Structure in die-cast aluminum, powder-coated
- Steel and cast gears obtained from solid
- Lithium grease lubrications of mechanical parts against corrosion, oxidation and rust
- Very quiet operation
- High Performance electric motor
- Lever release with custom key
- Available with or without Encoder
- Electronic torque control
- Pre-wiring and easy programming software
- Available with or without control unit
- Control unit box with airtight seal against moisture and insects
- Anti-crushing system \* (EN 12453)
- Slowing down function \* (EN 12453)
- Optional kit battery back-up
- Power supply 230V - 24V

## PERFORMANCE REQUIREMENTS

- Operating Cycle Semi-IntensivE 230V, intensive 24V
- Use frequency 50% (230VAC) - 80% (24VCC)
- Speed 10 MT/MIN (230VAC) - 12 MT/MIN (24VCC)

\* Functions guaranteed with VDS electronics

## GEARED MOTORS AND ACCESSORIES



PZ. PALLET  
800x1200x1950mm | 50 pcs. 410 KG

| CODE     | MOD              | DESCRIPTION  |
|----------|------------------|--|
| 200010   | SIMPLY 230V *    | Operator - Without control board                       |
| 200010/1 | SIMPLY 230V CQ * | Operator - Control board and built-in receiver 433 mHz |
| 200011   | SIMPLY 24V *     | Operator - Without control board                       |
| 200011/1 | SIMPLY 24V CQ *  | Operator - Control board and built-in receiver 433 mHz |
| 140063   | CPT              | Fixing plate   |
| FC003    | FCM              | Extra for magnetic limit switch                        |
| EN001    | EN CDR           | Extra for encoder                                      |
| CPT-B    | VERS. B          | Adapter fixing plate for sliding motor B               |
| CPT-C    | VERS. C          | Adapter fixing plate for sliding motor C               |
| CPT-F    | VERS. F          | Adapter fixing plate for sliding motor F               |
| CPT-N    | VERS. N          | Adapter fixing plate for sliding motor N               |

\* Fixing plate not included  
• For better radio reception we recommend the use of an external aerial code 210/1  
• Under strong wind or low temperature conditions, the actuator performance may be significantly reduced.

\* Fixing plate not included with motor

## KIT CONTENT

### ENGINE + 1 CONTROL BOARD + ACCESSORIES



PZ. DOUBLE MOTOR PALLET  
800x1200x1300mm | 50 pcs. 410 KG



CODE. E102  
Control board 230V



CODE. E103-I  
Control board 24V



CODE. 12/C  
Pair of photocells



CODE. 23/8  
LED flashing light



CODE. 198/5  
Key selector



CODE. E010  
Remote control



CODE. 165B  
Warning sign



CODE. 140063  
Fixing plate

## EXTRA ACCESSORIES



CODE. CPT-B  
Adapter plate for compatibility with other brands



CODE. CPT-C  
Adapter plate for compatibility with other brands



CODE. CPT-F  
Adapter plate for compatibility with other brands



CODE. CPT-N  
Adapter plate for compatibility with other brands



CODE. FC003  
Magnetic limit switch

## KIT

| CODE     | MOD                | DESCRIPTION                         |
|----------|--------------------|-------------------------------------|
| 200010/6 | KIT SIMPLY 230V    | Kit for gates up to 600 kg          |
| 200010/7 | KIT SIMPLY 24V     | Kit for gates up to 600 kg          |
| 200010/2 | KIT SIMPLY 230V 2M | Kit 2 leaves for gates up to 600 kg |

# CARRERA OPERATOR 230V - 24V

 VOLTAGE 230V - 24V

 RESIDENTIAL

 COLLECTIVE

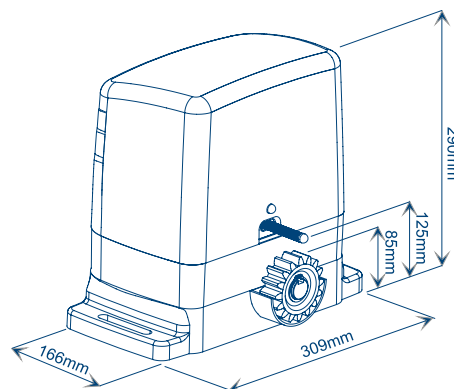
 GATES UP TO 1000KG

Available in ESPRESSO version Page. 46 

**NEW**



| TECHNICAL FEATURES    | CARRERA 800-230 | CARRERA 800-24 | CARRERA 1000-230 |
|-----------------------|-----------------|----------------|------------------|
| POWER SUPPLY          | 230V            | 24V            | 230V             |
| LEAF WEIGHT           | 800 KG          | 800 KG         | 1000 KG          |
| PINION                | M4-Z16          | M4-Z16         | M4-Z16           |
| ENGINE RPM            | 1400 RPM        | 1800 RPM       | 1400 RPM         |
| AVERAGE ABSORPTION    | 1,3 A           | 3 A            | 2 A              |
| ABSORBED POWER        | 250 W           | 50 W           | 330 W            |
| CONDENSER             | 10 UF           | -              | 12.5 UF          |
| MOTOR WEIGHT          | 8 KG            | 9 KG           | 9 KG             |
| NOISE LEVEL           | < 30 DBA        | < 30 DBA       | < 30 DBA         |
| OPERATING TEMPERATURE | -20 / +55° C    | -20 / +55° C   | -20 / +55° C     |
| PROTECTION DEGREE     | IP44            | IP44           | IP44             |



## FEATURES

- Structure in die-cast aluminum, powder-coated
- Steel and cast gears obtained from solid
- Lithium grease lubrications of mechanical parts against corrosion, oxidation and rust
- Very quiet operation
- High Performance electric motor
- Lever release with custom key
- Available with or without Encoder
- Electronic torque control
- Pre-wiring and easy programming software
- Available with or without control board
- Control board box with airtight seal against moisture and insects
- Anti-crushing system \* (EN 12453)
- Slowing down function \* (EN 12453)
- Electronic clutch
- Optional kit battery back-up
- Power supply 230V - 24V

## PERFORMANCE REQUIREMENTS

- Operating Cycle Semi-IntensivE 230V, intensive 24V
- Use frequency 50% (230VAC) - 80% (24VCC)
- Speed 10 MT/MIN (230VAC) - 12 MT/MIN (24VCC)

\* Functions guaranteed with VDS electronics

## GEARED MOTORS AND ACCESSORIES

| CODE     | MOD                            | DESCRIPTION  |
|----------|--------------------------------|--|
| 200600   | CARRERA 800 230V*              | Operator - Up to 800 kg - Without control board                        |
| 100609/E | CARRERA 800 24V C/<br>ENCODER* | Operator - Up to 800 kg - Without control board                        |
| 200601   | CARRERA 1000 230V*             | Operator - Up to 1000 kg - Without control board                       |
| 200602   | CARRERA 800 230V CQ*           | Operator - Up to 800 kg - Control board and built-in receiver 433 mHz  |
| 200609   | CARRERA 800 24V CQ*            | Operator - Up to 800 kg - Control board and built-in receiver 433 mHz  |
| 200604   | CARRERA 1000 230V CQ*          | Operator - Up to 1000 kg - Control board and built-in receiver 433 mHz |
| CPT02    | CPT                            | Fixing plate   |
| FC004    | FCM                            | Extra for magnetic limit switch  |
| EN001    | ENCDR                          | Extra for encoder  |

 PZ. PALLET  
800x1200xH1670mm 50pcs. 400 KG

\* Fixing plate not included  
• For better radio reception we recommend the use of an external aerial code 210/1  
• Under strong wind or low temperature conditions, the actuator performance may be significantly reduced.

### KIT CONTENT

### ENGINE + 1 CONTROL BOARD + ACCESSORIES

 PZ. PALLET  
800x1200xH1500mm 32pcs. 430 KG



CODE. E102  
Control board 230V



CODE. E103-I  
Control board 24V



CODE. 12/C  
Pair of photocells



CODE. 23/8  
LED flashing light



CODE. 198/5  
Key selector



CODE. E010  
Remote control



CODE. 165B  
Warning sign



CODE. CPT02  
Fixing plate



CODE. FC004  
Magnetic limit switch

### EXTRA ACCESSORIES

### KIT

| CODE   | MOD                   | DESCRIPTION                 |
|--------|-----------------------|-----------------------------|
| 200605 | KIT CARRERA 800 230V  | Kit for gates up to 800 kg  |
| 10606  | KIT CARRERA 800 24V   | Kit for gates up to 800 kg  |
| 200606 | KIT CARRERA 1000 230V | Kit for gates up to 1000 kg |

# AG FUTURE OPERATOR 230V - 380V

 VOLTAGE 230V - 380V

 RESIDENTIAL

 COLLECTIVE

 GATES UP TO 1600KG

 IN OIL BATH

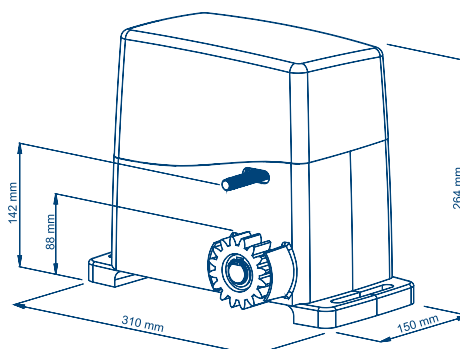
Available in ESPRESSO version Page. 47



| TECHNICAL FEATURES    | AG FUTURE 800KG | AG FUTURE 100KG | AG FUTURE 1600KG | AG FUTURE 1600KG TRIPHASE |
|-----------------------|-----------------|-----------------|------------------|---------------------------|
| POWER SUPPLY          | 230V            | 230V            | 230VAC           | 380V                      |
| LEAF WEIGHT           | 800 KG          | 1000 KG         | 1600 KG          | 1600 KG                   |
| PINION                | M4-Z16          | M4-Z16          | M4-Z16           | M4-Z16                    |
| ENGINE RPM            | 1400 RPM        | 1400 RPM        | 1400 RPM         | 1400 RPM                  |
| AVERAGE ABSORPTION    | 1,5 A           | 1,7 A           | 1,8 A            | 1,5 A                     |
| ABSORBED POWER        | 280 W           | 330 W           | 360 W            | 500 W                     |
| CONDENSER             | 12.5 UF         | 16 UF           | 18 UF            | -                         |
| MOTOR WEIGHT          | 13 KG           | 13 KG           | 13 KG            | 13 KG                     |
| NOISE LEVEL           | < 30 DBA        | < 30 DBA        | < 30 DBA         | < 30 DBA                  |
| OPERATING TEMPERATURE | -20 / +55° C    | -20 / +55° C    | -20 / +55° C     | -20 / +55° C              |
| PROTECTION DEGREE     | IP44            | IP44            | IP44             | IP44                      |

## FEATURES

- Structure in die-cast aluminum, powder-coated
- Steel and cast iron gears machined from billet
- Stator and mechanical parts in oil bath, (excluding 800 kg version) grease lubricated and automatic valve oil breather
- Version with or without switchgear
- Control equipment with radio receiver and antenna, in special box with airtight seal to protect against moisture and insects
- Prewiring and easy-to-program software
- High Performance Electric Motor
- Manual lever release with custom key
- Electronic torque control
- Maximum quiet operation
- Anti-crushing device \* (EN 12453)
- Speed slowdown \* (EN 12453)
- Three-phase 1800 kg version with Inverter control unit with Soft Star- Soft Stop function
- Electronic clutch
- Automatic oil vent valve
- Power supply 230V - 380V



## PERFORMANCE REQUIREMENTS

- Operating Cycle Semi-Intensive 230V, intensive 380V
- Use frequency: 800kg 50% 1000kg-1600kg - 380V 80%
- Speed 10 MT/MIN (230V -380V)

\* Functions guaranteed with VDS electronics

## GEARED MOTORS AND ACCESSORIES

| CODE    | MOD                  | DESCRIPTION  |
|---------|----------------------|--|
| 11068   | AG F 800 KG*         | Operator - up to 800 kg - without control board          |
| 11068/1 | AG F 1000 KG*        | Operator - up to 1000 kg - without control board         |
| 11065   | AG F 1000 KG CQ*     | Operator - up to 1000 kg - with control board            |
| 11065/1 | AG F 1600 KG*        | Operator - up to 1600 kg - without control board         |
| 11066   | AG F 1600 KG CQ*     | Operator - up to 1600 kg - with control board            |
| 11066/1 | AG F 1600 KG TRIFASE | Operator - up to 1600 kg - with control board            |
| 11067   | AG F 800 KG CQ       | Operator - up to 800 kg - with control board             |
| CPT02   | CPT                  | Fixing plate   |
| FC005   | AG FUTURE FCM        | Extra for magnetic limit switch                          |
| RVS     | RVS                  | Mechanical slowdown system for gates installed on slopes |



PZ. PALLET  
800x1200x1670mm | 40 pcs. 490 KG

- \* Fixing plate not included
- For better radio reception we recommend the use of an external aerial code 210/1
- Under strong wind or low temperature conditions, the actuator performance may be significantly reduced.

### KIT CONTENT

### ENGINE + 1 CONTROL BOARD + ACCESSORIES



PZ. PALLET  
800x1200xH1000mm 24pcs. 432KG



CODE. E102  
Control board 230V



CODE. E107  
Control board 380V



CODE. 12/C  
Pair of photocells



CODE. 23/8  
LED flashing light



CODE. 198/5  
Key selector



CODE. E010  
Remote control



CODE. 165B  
Warning sign



CODE. CPT02  
Fixing plate

### EXTRA ACCESSORIES



CODE. FC005  
Magnetic limit switch



CODE. RVS  
Mechanical slowdown system for gates installed on slopes

### KIT

| CODE    | MOD              | DESCRIPTION                 |
|---------|------------------|-----------------------------|
| 11068/2 | KIT AG F 800 KG  | Kit for gates up to 800 kg  |
| 11065/2 | KIT AG F 1000 KG | Kit for gates up to 1000 kg |
| 11066/2 | KIT AG F 1600 KG | Kit for gates up to 1600 kg |

# AT PLUS OPERATOR 230V - 380V

 VOLTAGE 230V - 380V

 RESIDENTIAL

 COLLECTIVE

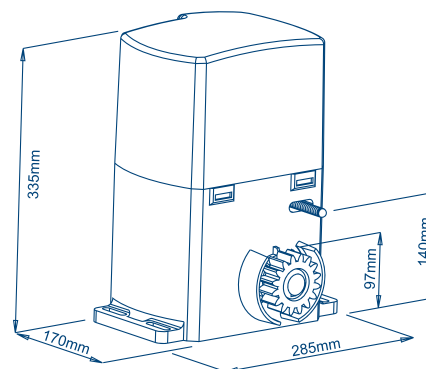
 GATES UP TO 2500KG

 IN OIL BATH

Available in ESPRESSO version Page. 47



| TECHNICAL FEATURES    | AT PLUS 2500 | AT PLUS 2500 TRIPHASE |
|-----------------------|--------------|-----------------------|
| POWER SUPPLY          | 230VAC       | 380VAC                |
| LEAF WEIGHT           | 2500 KG      | 2500 KG               |
| PINION                | M4-Z16       | M4-Z16                |
| ENGINE RPM            | 1400 RPM     | 1400 RPM              |
| AVERAGE ABSORPTION    | 2,4 A        | 2,4 A                 |
| ABSORBED POWER        | 650 W        | 950 W                 |
| CONDENSER             | 12.5 UF      | -                     |
| MOTOR WEIGHT          | 18 KG        | 18 KG                 |
| NOISE LEVEL           | < 30 DBA     | < 30 DBA              |
| OPERATING TEMPERATURE | -20 / +55° C | -20 / +55° C          |
| PROTECTION DEGREE     | IP44         | IP44                  |



## FEATURES

- Structure in die-cast aluminum, powder-coated
- Steel and cast gears obtained from solid
- Stator and mechanical parts in oil bath
- Available with or without control board
- Control unit with built-in receiver and antenna, control board box with airtight seal against moisture and insects
- Pre-wiring and easy programming software
- High Performance electric motor
- Mechanical limit switch
- Manual lever release with custom key
- Electronic torque control
- Very quiet operation
- Electronic clutch
- Anti-crushing system \* (EN 12453)
- Slowing down function \* (EN 12453)
- Power supply 230V - 380V

## PERFORMANCE REQUIREMENTS

- Operating Cycle Intensive 230V, intensive 380V
- Use frequency 90% (230V) - 90% (380V)
- Speed 9,6 MT/MIN (230V) - 9,6 MT/MIN (380V)

\* Functions guaranteed with VDS electronics

## GEARED MOTORS AND ACCESSORIES



PZ. PALLET  
800x1200xH1300mm 39pcs. 650KG

| CODE    | MOD                   | DESCRIPTION   |
|---------|-----------------------|---|
| A3500   | AT PLUS 230V          | Operator - Up to 2500 kg - Fixing plate - Without control board                       |
| A3500/1 | AT PLUS TRIPHASE 380V | Operator - Up to 2500 kg - Three-phase 380V - Fixing plate - Without control board    |
| 10035/1 | AT PLUS 230V CQ       | Operator - Up to 2500 kg - Fixing plate - Control board and built-in receiver 433 MHz |
| RVS     | RVS                   | Mechanical slowdown system for gates installed on slopes                              |

- For better radio reception we recommend the use of an external aerial code 210/1
- Under strong wind or low temperature conditions, the actuator performance may be significantly reduced.

### KIT CONTENT

THE KIT CONTAINS 1 SWITCHGEAR + ACCESSORIES



PZ. PALLET  
800x1200x1000mm | 25 pcs. 450KG



CODE. E102  
Control board 230V



CODE. E107  
Control board 380V



CODE. 12/C  
Pair of photocells



CODE. 23/8  
LED flashing light



CODE. 198/5  
Key selector



CODE. E010  
Remote control



CODE. 165B  
Warning sign

### EXTRA ACCESSORIES



CODE. RVS  
Mechanical slowdown system for gates installed on slopes

### KIT

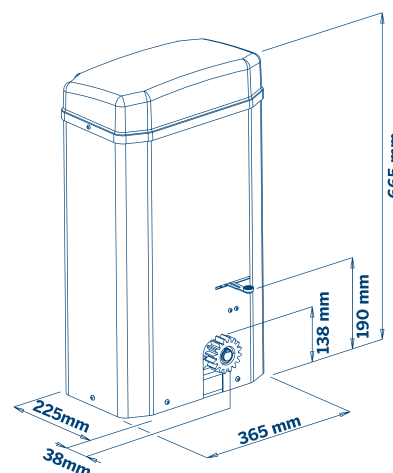
| CODE    | MOD                   | DESCRIPTION                             |
|---------|-----------------------|---|
| 10035   | KIT AT PLUS 2500      | Kit for gates up to 2500 kg             |
| 10035/T | KIT AT PLUS 2500 380V | Three-phase kit for gates up to 2500 kg |

# TOM OPERATOR 230V - 400 VAC

-  VOLTAGE 230V - 400V
-  RESIDENTIAL
-  COLLECTIVE
-  GATES UP TO 5000KG
-  IN OIL BATH



| TECHNICAL FEATURES    | TOM               |
|-----------------------|-------------------|
| POWER SUPPLY          | 230 - 400 VAC     |
| LEAF WEIGHT           | 5000KG INVERTER   |
| PINION                | M4 Z20 -M6 Z15    |
| ENGINE RPM            | 1400 RPM          |
| AVERAGE ABSORPTION    | 2,5 A             |
| ABSORBED POWER        | 750 W             |
| MOTOR WEIGHT          | 40 KG             |
| NOISE LEVEL           | < 30 DBA          |
| OPERATING TEMPERATURE | -25 / +70° C      |
| PROTECTION DEGREE     | IP54              |
| LIMIT SWITCH          | ELECTROMECHANICAL |



## FEATURES

- Die cast aluminum gearmotor powder-coated
- Steel and cast iron gears machined from billet
- Stator and mechanical parts in oil bath
- Version with or without switchgear
- Control equipment with radio receiver and antenna, in special box with airtight seal to protect against moisture and insects
- Pre-wiring and easy-to-program software
- High Performance Electric Motor
- Mechanical limit switch
- Manual lever release with custom key
- Electronic torque control
- Maximum quiet operation
- Electronic clutch
- Anti-crushing device \* (EN 12453)
- Speed slowdown \* (EN 12453)
- Power supply 230V - 380V

## PERFORMANCE REQUIREMENTS

- Intensive use 230V
- Frequency of use 90% (230V)
- Speed 9.6 MT/MIN (230V)

Standard: toothed pinion for MODULE 4 racks.  
Optional pinion MODULE 6.

Possibility of on-board control

\* Functions guaranteed with VDS electronics

## GEARED MOTORS AND ACCESSORIES



PZ. PALLET  
800x1200x1100mm | 50 pcs. 410 KG

• Under strong wind or low temperature conditions, the actuator performance may be significantly reduced.

| CODE       | MOD                | DESCRIPTION  |
|------------|--------------------|--|
| 11040      | TOM 230 - 400 - M4 | Operator - Up to 5000 kg - Without contro board - With pinion M4   |
| 11040/1    | TOM 230 - 400 - M6 | Operator - Up to 5000 kg - Without contro board - With pinion M6   |
| 121110     | CPT                | Fixing plate   |
| Q100       | INVERTER           | 230VAC control Board In box - Sliding gate management - Speed and force adjustment with display - Amperometric sensitivity and hold-to-run function - Without receiver |
| E142       | SRM                | 433 mHz outdoor receiver - 1 channel - 12/24VDC - Small size - With antenna  |
| AC01-100   | 100A               | Galvanized cabinet with key for control board  |
| AC01-200VA | 200V               | Support for control board  |
| 113000/3   | PIGN-M6            | External gear Z15-M6   |

## EXTRA ACCESSORIES



CODE. 121110  
Fixing plate



CODE. Q100  
Control board 230V Inverter



CODE. AC01-100  
Galvanized cabinet with key  
for control board



CODE. AC01-200VA  
Support for control board



CODE. RVS  
Mechanical slowdown  
system for gates installed  
on slopes



CODE. E142  
External radio receiver  
433mHz



CODE. 23/8  
LED flashing light



CODE. 12/C  
Pair of photocells



CODE. 198/5  
Key selector



CODE. E010  
Remote control



CODE. 165B  
Warning sign



CODE. 113000/3  
Z15-M6 pinion

# SLIM VULCAN OPERATOR 230V - 24V

⚡ VOLTAGE 230V-24V    🏠 RESIDENTIAL

📄 GATES UP TO 200KG

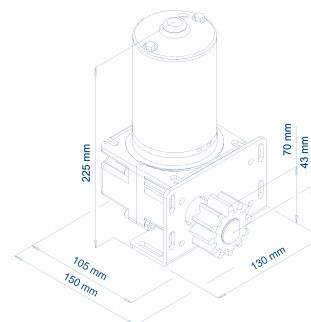
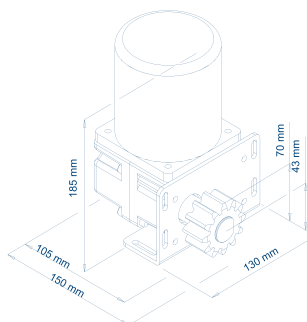


230V



24V

| TECHNICAL FEATURES | SLIM VULCAN 230V | SLIM VULCAN 24V |
|--------------------|------------------|-----------------|
| POWER SUPPLY       | 230V             | 24V             |
| LEAF WEIGHT        | 200 KG           | 200 KG          |
| PINION             | M4-Z12           | M4-Z12          |
| ENGINE RPM         | 1400 RPM         | 1800 RPM        |
| AVERAGE ABSORPTION | 1,3 A            | 3 A             |
| ABSORBED POWER     | 250 W            | 50 W            |
| CONDENSER          | 12.5 UF          | -               |
| MOTOR WEIGHT       | 8 KG             | 8 KG            |
| NOISE LEVEL        | < 30 DBA         | < 30 DBA        |
| LIMIT SWITCH       | -20 / +55° C     | -20 / +55° C    |
| PROTECTION DEGREE  | IP44             | IP44            |



## FEATURES

- Operator 24V with Encoder - Operator 230V without Encoder
- It works also without mechanical limit switch
- High Performance electric motor
- Very quiet operation
- Control board with built-in receiver and antenna, control board box with airtight seal against moisture and insects
- Pre-wiring and easy programming software
- Manual release with hex key
- Electronic torque control
- Anti-crushing system \* (EN 12453)
- Slowing down function \* (EN 12453)
- Anti blackout battery kit
- Power supply 230V - 24V

## PERFORMANCE REQUIREMENTS

- Operating Cycle semi-intensive 230v, intensive 24v
- Emergency release with hex key
- Speed 10 MT/MIN (230VAC) - 10 MT/MIN (24VCC)

\* Functions guaranteed with VDS electronics

## GEARED MOTORS AND ACCESSORIES



PZ. PALLET  
800x1200x1600 | 50 pcs. 230 KG

| CODE      | MOD       | DESCRIPTION  |
|-----------|-----------|--|
| 10009/P   | SLIM 230V | Operator - up to 200 kg - Fixing plate - Without control board           |
| 10009/E   | SLIM 230V | Operator - up to 200 kg - Fixing plate - Encoder - Without control board |
| 10081/ENC | SLIM 24V  | Operator - up to 200 kg - Fixing plate - Encoder - Without control board |
| FC001     | FC MEC    | Mechanical limit switch pair   |
| FC002     | FC MAG    | Magnetic limit switch pair   |

- For better radio reception we recommend the use of an external aerial code 210/1
- Under strong wind or low temperature conditions, the actuator performance may be significantly reduced.

### KIT CONTENT

### ENGINE + 1 CONTROL BOARD + ACCESSORIES



PZ. PALLET  
800x1200x1000 | 25pcs. 450 KG



CODE. E102  
Control board 230V



CODE. E103-I  
Control board 24V



CODE. 12/C  
Pair of photocells



CODE. 23/8  
LED flashing light



CODE. 198/5  
Key selector



CODE. E010  
Remote control



CODE. 165B  
Warning sign

### EXTRA ACCESSORIES



CODE. FC002  
Magnetic limit switch



CODE. FC001  
Mechanical limit switch pair

### KIT

| CODE      | MOD           | DESCRIPTION   |
|-----------|---------------|---|
| 10009/K   | KIT SLIM 230  | Slim Vulcan 230V kit - Without limit switch               |
| 10009/KE  | KIT SLIM 230E | Slim Vulcan 230V kit with Encoder - Without limit switch  |
| 10081/KE  | KIT SLIM 24E  | Slim Vulcan 24V kit with Encoder - Without limit switch   |
| 10009/KM  | SLIM 230      | Slim Vulcan 230V kit - Magnetic limit switch              |
| 10009/KEM | SLIM 230E     | Slim Vulcan 230V kit with Encoder - Magnetic limit switch |
| 10081/KEM | SLIM 24E      | Slim Vulcan 24V kit with Encoder - Magnetic limit switch  |

# **ESPRESSO**

*Discover the new line of high-speed motors!*

*The new ESPRESSO motor line is here - the fastest, most efficient, and safest solution with INVERTER TECHNOLOGY.*

*Experience fast opening and closing with a sliding gate motor designed to optimize access for both people and vehicles.*

*A complete system ensuring comfort, performance and safety.*

**SIMPLY**  
230V - 600KG

**CARRERA**  
230V - 1000KG





### **More control**

*Speed adjustment, maximum motor torque precision. Smooth and silent automatic gate movement.*



### **Greater security**

*Opening and closing deceleration control, braking force adjustment, limit switch detection and obstacle management.*



### **Faster**

*Compared to traditional motors, ESPRESSO motors reach a maximum speed of 22m/min.*



### **Suitable for intensive use**

*Capacitor-free, resistant to overheating, ideal for heavy-duty and continuous operation.*

## **AG FUTURE** 230V - 1800KG

## **AT PLUS** 230V - 2500KG



# SIMPLY 230V



**VOLTAGE 230V** **RESIDENTIAL**

**GATES UP TO 600KG**

## TECHNICAL FEATURES

|                                  |                 |
|----------------------------------|-----------------|
| POWER ABSORBED                   | 250W            |
| ENGINE RPM                       | 1400RPM         |
| AVERAGE ABSORPTION               | 1,3A            |
| PINION                           | MODULE 4 - Z 12 |
| MOTOR WINDING THERMAL PROTECTION | 130°C           |
| USE                              | INTENSIVE       |
| OPERATING TEMPERATURE            | -20°C +55C      |
| MOTOR WEIGHT                     | 8KG             |
| PROTECTION DEGREE                | IP44            |
| LEAF WEIGHT                      | 600KG           |
| ADJUSTABLE GATE SPEED            | UP TO 22MT/M    |



MOTOR ONLY - COD. 200010/IN PRICE: 808,00€  
COMPLETE KIT - COD. 200010/6IN PRICE: 971,00€



### KIT COD. 200010/6IN INCLUDES:

MOTOR - COD. 200010/IN  
CONTROL UNIT - COD. Q100-I  
COUNTER PLATE - COD. 140063

# CARRERA 230V



**VOLTAGE 230V** **RESIDENTIAL**

**GATES UP TO 1000KG**

## TECHNICAL FEATURES

|                                  |                 |
|----------------------------------|-----------------|
| POWER ABSORBED                   | 350W            |
| ENGINE RPM                       | 1400RPM         |
| AVERAGE ABSORPTION               | 2A              |
| PINION                           | MODULE 4 - Z 16 |
| MOTOR WINDING THERMAL PROTECTION | 130°C           |
| USE                              | INTENSIVE       |
| OPERATING TEMPERATURE            | -20°C +55C      |
| MOTOR WEIGHT                     | 9KG             |
| PROTECTION DEGREE                | IP44            |
| LEAF WEIGHT                      | 1000KG          |
| ADJUSTABLE GATE SPEED            | UP TO 22MT/M    |



MOTOR ONLY - COD. 200601-IN PRICE: 875,00€  
COMPLETE KIT - COD. 200606/IN PRICE: 1110,00€



### KIT COD. 200606/IN INCLUDES:

MOTOR - COD. 200601-IN  
CONTROL UNIT - COD. Q100-I

## AG FUTURE 230V

**VOLTAGE 230V** **RESIDENTIAL**

**GATES UP TO 1800KG**

| TECHNICAL FEATURES               | 1000KG          | 1800KG |
|----------------------------------|-----------------|--------|
| POWER ABSORBED                   | 330W            | 360W   |
| ENGINE RPM                       | 1400RPM         |        |
| AVERAGE ABSORPTION               | 1,7A            | 1,8A   |
| PINION                           | MODULE 4 - Z 16 |        |
| MOTOR WINDING THERMAL PROTECTION | 130°            |        |
| USE                              | INTENSIVE       |        |
| OPERATING TEMPERATURE            | -20°C +55C      |        |
| MOTOR WEIGHT                     | 13KG            |        |
| PROTECTION DEGREE                | IP44            |        |
| LEAF WEIGHT                      | 1000KG          | 1800KG |
| ADJUSTABLE GATE SPEED            | UP TO 22MT/M    |        |



MOTOR ONLY - 1000KG COD. 11065/IN PRICE: 1010,00€  
COMPLETE KIT 1000KG COD. 11065/2IN PRICE: 1250.00€

MOTOR ONLY - 1800KG COD. 11069/IN PRICE: 1160,00€  
COMPLETE KIT 1800KG COD. 11069/2 PRICE: 1408.00€



**KIT COD.11065/2IN - 11069/2 INCLUDES:**

MOTOR - COD. 11065/IN - 11069/IN  
CONTROL UNIT - COD. Q100-I  
COUNTER PLATE - COD. CPT02

## AT PLUS 230V

**VOLTAGE 230V** **RESIDENTIAL**

**GATES UP TO 2500KG**

| TECHNICAL FEATURES               |                 |
|----------------------------------|-----------------|
| POWER ABSORBED                   | 650W            |
| ENGINE RPM                       | 1400RPM         |
| AVERAGE ABSORPTION               | 2,4A            |
| PINION                           | MODULE 4 - Z 16 |
| MOTOR WINDING THERMAL PROTECTION | 130°            |
| USE                              | INTENSIVE       |
| OPERATING TEMPERATURE            | -20°C +55C      |
| MOTOR WEIGHT                     | 18KG            |
| PROTECTION DEGREE                | IP44            |
| LEAF WEIGHT                      | 2500KG          |
| ADJUSTABLE GATE SPEED            | UP TO 22MT/M    |



MOTOR ONLY - COD. 3500-IN PRICE: 1360,00€  
COMPLETE KIT - COD. 3500-IN PRICE: 1850.00€



**KIT INCLUDES:**

DC MOTORS - COD. 3500-IN  
CONTROL UNIT - COD. Q100-I

Scan and Watch  
the video!



## Garage Door Automations

Page.

**UTILE** 24V - Max 100KG

50

**VICTOR 23** 24V - Max 120KG

52

**BASIC 09** 230V/24V - Max 10M0

54

**BASIC 0N** 230V - Max 10M0

58

# GARAGE DOOR AUTOMATIONS



# UTILE GARAGE DOOR OPERATOR 24V

 VOLTAGE 24V

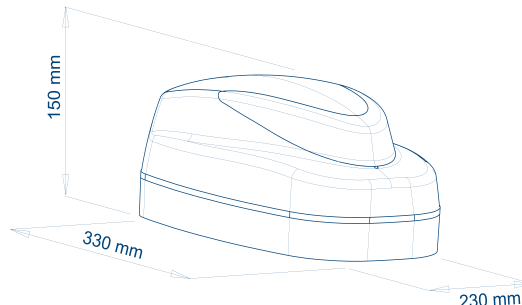
 RESIDENTIAL

 COLLECTIVE

 DOOR WEIGHT UP 100KG



| TECHNICAL FEATURES    | UTILE 70KG                 | UTILE 100KG                |
|-----------------------|----------------------------|----------------------------|
| POWER SUPPLY          | 24V                        | 24V                        |
| THRUST                | 700 N                      | 1000 N                     |
| DOOR WEIGHT           | 10 SQM                     | 14 SQM                     |
| ENGINE RPM            | 220 RPM                    | 220 RPM                    |
| AVERAGE ABSORPTION    | 0,7 A                      | 1,2 A                      |
| PINION                | 1/2 "X1/8 Z9<br>STEP 8 Z12 | 1/2 "X1/8 Z9<br>STEP 8 Z12 |
| MOTOR WEIGHT          | 6 KG                       | 6 KG                       |
| NOISE LEVEL           | < 30 DBA                   | < 30 DBA                   |
| OPERATING TEMPERATURE | -20 / +55° C               | -20 / +55° C               |
| PROTECTION DEGREE     | IP30                       | IP30                       |



## FEATURES

- Operator Encoder
- Suitable for selectional and counterweight doors (with curved arm)
- Galvanized iron or aluminum guide with pre-assembled chain or belt
- Lithium grease lubrications of mechanical parts against corrosion, oxidation and rust
- High Performance electric motor
- Very quiet operation
- Limit switches / Encoder
- Magnetic contact for pedestrian
- Pre-wiring and easy programming software
- Control board with built-in receiver and antenna
- Electronic torque control
- Anti-crushing system \* (EN 12453)
- Slowing down function \* (EN 12453)
- Power supply 24V

\* Functions guaranteed with VDS electronics

## OPERATORS



PZ. PALLET  
800x1200x1600mm | 32 pcs. 240 KG

+ BUNDLE 800x300x50 mm 120KG

| CODE    | MOD          | DESCRIPTION   |
|---------|--------------|---|
| 11085   | UTILE 70 KG  | Operator-Control board-Belt-Iron guide 3mt              |
| 11084   | UTILE 70 KG  | Operator Control board-Chain-Iron guide 3mt             |
| 11087   | UTILE 70 KG  | Operator-Control board-Belt-Aluminum guide1,5mt +1,5mt  |
| 11086   | UTILE 70 KG  | Operator-Control board-Chain-Aluminum guide 1,5mt+1,5mt |
| 11085/2 | UTILE 70 KG  | Operator-Control board-Belt-Aluminum guide 2mt+2mt      |
| 11084/2 | UTILE 70 KG  | Operator-Control board-Chain-Aluminum guide 2mt+2mt     |
| 11085/1 | UTILE 100 KG | Operator-Control board-Belt-Iron guide 3mt              |
| 11084/1 | UTILE 100 KG | Operator-Control board-Chain-Iron guide 3mt             |
| 11087/1 | UTILE 100 KG | Operator-Control board-Belt-Aluminum guide1,5mt+1,5mt   |
| 11086/1 | UTILE 100 KG | Operator Control board-Chain-Aluminum guide1,5mt+1,5mt  |
| 11084/3 | UTILE 100 KG | Operator-Control board-Chain-Aluminum guide 2mt+2mt     |
| 11085/3 | UTILE 100 KG | Operator-Control board-Belt-Aluminum guide 2mt+2mt      |

- For better radio reception we recommend the use of an external aerial code 210/1
- Under strong wind or low temperature conditions, the actuator performance may be significantly reduced.

## EXTRA ACCESSORIES



CODE. 100084/2  
Curved arm for counterweight doors



CODE. TR-F / TR-L  
Bracket for arch support



CODE. ST450  
Magnetic contact for overhead doors



CODE. 122004/1  
Release with lock for sectional doors



CODE. 1811/1  
Release for existing handle for sectional doors



CODE. 12/C  
Pair of photocells



CODE. 23/8  
LED flashing light



CODE. 198/5  
Key selector



CODE. E010  
Remote control



CODE. 165B  
Warning sign

| CODE     | MOD           | DESCRIPTION                                     |
|----------|---------------|---|
| 100084/2 | ARCHETTO      | Curved arm for counterweight doors              |
| 122004/1 | SBLOCCO UTILE | Release with lock for sectional doors           |
| 1811/1   | SBLOCCO UTILE | Release for existing handle for sectional doors |
| TR-F     | STAFFA        | Bracket for arch support 110x8cm                |
| TR-L     | STAFFA        | Bracket for arch support 150x8cm                |
| ST-450   | CONTATTO      | Magnetic contact for overhead doors             |

# VICTOR 23 GARAGE DOOR OPERATOR 24V

 VOLTAGE 24V

 RESIDENTIAL

 COLLECTIVE

 DOOR WEIGHT UP 120KG



| TECHNICAL FEATURES    | VICTOR 23<br>800 | VICTOR 23<br>1200 |
|-----------------------|------------------|-------------------|
| POWER SUPPLY          | 24V              | 24V               |
| THRUST                | 800 N            | 1200N             |
| DOOR WEIGHT           | 12 SQM           | 16 SQM            |
| ENGINE RPM            | 220 RPM          | 220 RPM           |
| AVERAGE ABSORPTION    | 0,8 A            | 1,3 A             |
| MOTOR WEIGHT          | 4KG              | 4KG               |
| NOISE LEVEL           | < 30 DBA         | < 30 DBA          |
| OPERATING TEMPERATURE | -20°C / +50°C    | -20°C / +50°C     |
| PROTECTION DEGREE     | IP30             | IP30              |

## FEATURES

- Belt drive 3.30-3.90m
- Operator Encoder
- Suitable for sectional and counterweight overhead doors (with arch)
- Galvanized iron guide with pre-assembled belt
- Lithium grease lubrications of mechanical parts against corrosion, oxidation and rust
- High performance electric motor
- Magnetic contact for pedestrian
- Pre-wired and easy programming software
- Control board with built-in receiver and antenna
- Electronic torque control
- Anti-crushing System (EN 12453)
- Slowdown function (EN 12453)
- Power supply 24V

\* Functions guaranteed with VDS electronics

## OPERATORS



PZ. PALLET  
800x1200x1100mm | 35pcs. 340 KG

| CODE            | DESCRIPTION   |
|-----------------|---|
| VICTOR23-1200-1 | Kit for 1200nw operator with 3.3m guide in 2 pieces + 2 remote controls |
| VICTOR23-1200   | Kit for 1200nw operator with 3.9m guide in 2 pieces + 2 remote controls |
| VICTOR23-1200-2 | Kit for 1200nw operator with 3.3m guide in 1 piece + 2 remote controls  |
| VICTOR23-800-2  | Kit for 800nw operator with 3.3m guide in 2 pieces + 2 remote controls  |
| VICTOR23-800-1  | Kit for 800nw operator with 3.9m guide in 2 pieces + 2 remote controls  |
| VICTOR23-800    | Kit for 800nw operator with single 3.3m guide + 2 remote controls       |
| VICTOR231200    | 1200 operator with 2 remote controls                                    |
| VICTOR23800     | 800 operator with 2 remote controls                                     |

## EXTRA ACCESSORIES



CODE. 100084/2  
Curved arm for counterweight doors



CODE. TR-F / TR-L  
Bracket for arch support



CODE. ST450  
Magnetic contact for overhead doors



CODE. 122004/1  
Release with lock for sectional doors



CODE. 12/C  
Pair of photocells



CODE. 23/8  
LED flashing light



CODE. 198/5  
Key selector



CODE. VICTOR23-TR  
Remote control



CODE. 165B  
Warning sign

| CODE        | MOD      | DESCRIPTION                           |
|-------------|----------|---------------------------------------|
| VICTOR23-TR | TX-VC    | Victor23 remote control               |
| 100084/2    | ARCHETTO | Curved arm for counterweight doors    |
| 122004/1    | SBLOCCO  | Release with lock for sectional doors |
| TR-F        | STAFFA   | Bracket for arch support 110x8cm      |
| TR-L        | STAFFA   | Bracket for arch support 150x8cm      |
| ST-450      | CONTATTO | Magnetic contact for overhead doors   |

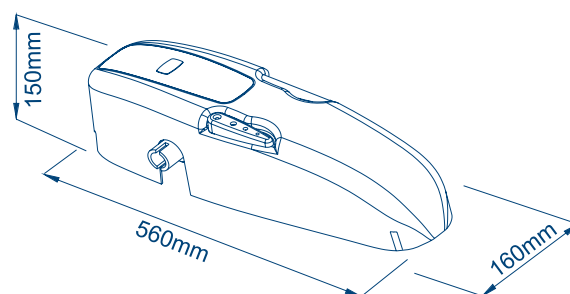
# BASIC 09 ELECTROMECHANICAL OPERATOR 230V - 24V

⚡ VOLTAGE 230V - 24V    🏠 RESIDENTIAL    🏢 COLLECTIVE

ⓘ MAX SURFACE 10 MQ    ● IRREVERSIBLE



| TECHNICAL FEATURES    | BASIC 09<br>230V | BASIC 09<br>24V |
|-----------------------|------------------|-----------------|
| POWER SUPPLY          | 230V             | 24V             |
| DOOR WEIGHT           | 10 SQM           | 10 SQM          |
| ENGINE RPM            | 1400 RPM         | 1800 RPM        |
| AVERAGE ABSORPTION    | 1,3 A            | 3 A             |
| ABSORBED POWER        | 250 W            | 50 W            |
| CONDENSER             | 12.5 UF          | -               |
| MOTOR WEIGHT          | 8.5 KG           | 8.5 KG          |
| NOISE LEVEL           | < 30 DBA         | < 30 DBA        |
| OPERATING TEMPERATURE | -20 / +55° C     | -20 / +55° C    |
| PROTECTION DEGREE     | IP30             | IP30            |
| MAX TORQUE            | 200 NM           | 200 NM          |



## FEATURES

- Irreversible electromechanical operator
- Steel and bronze gears obtained from solid
- Very quiet operation
- Lithium grease lubrications of mechanical parts against corrosion, oxidation and rust
- High Performance electric motor
- Operator 24V with Encoder
- Operator 230V with Encoder optional
- Start button placed on cover
- Release device with die-cast lever
- Available with or without control board
- Control board with built-in receiver and antenna
- Pre-wiring and easy programming software
- Electronic torque control
- Anti-crushing system \* (EN 12453)
- Slowing down function \* (EN 12453)
- Courtesy light
- Power supply 230V - 24V with Encoder
- Magnetic contact for pedestrian

\* Functions guaranteed with VDS electronics

## PERFORMANCE REQUIREMENTS

- Operating Cycle Semi-Intensive 230V, intensive 24V
- Use frequency 50% (230V) - 80% (24V)
- Opening time 15 SEC

## GEARED MOTORS AND ACCESSORIES



PZ. PALLET  
800x1200x1100mm | 35pcs. 340KG

| CODE       | MOD          | DESCRIPTION  |
|------------|--------------|--|
| 759/09     | BASIC 09 230 | Operator - without control unit                                  |
| 110411/09  | BASIC 09 230 | Operator - with control unit and 433 MHz receiver                |
| 100034/09E | BASIC 09 24  | Operator - with control unit and 433 MHz receiver - with encoder |
| EN002      | ENCODER      | Optional basic encoder 230V                                      |

• For better radio reception we recommend the use of an external aerial code 210/1

### KIT CONTENT

MOTOR + CONTROL BOARD + ACCESSORIES



CODE. E102  
Control board 230V



CODE. 12/C  
Pair of photocells



CODE. 23/8  
LED flashing light



CODE. E010  
Remote control



CODE.756  
Long spar 150cm

INCLUDES ACCESSORIES ACC KIT STRAIGHT 112530/2 or ACC KIT CURVES 112530/1.

### KIT

| CODE   | MOD            | DESCRIPTION                     |
|--------|----------------|---------------------------------|
| 1049-D | KIT BASIC09-DR | Basic Kit 09 with straight arms |
| 1049-C | KIT BASIC09-CV | Basic Kit 09 with curved arms   |

### EXTRA ACCESSORIES



CODE. CNT  
Counterweight 1.5Kg overhead doors



CODE. 122004/09  
Key latch release unit



CODE. 756/2 - 756 -756/4  
140038  
Galvanized support bar



CODE. ST450  
Magnetic contact for overhead doors

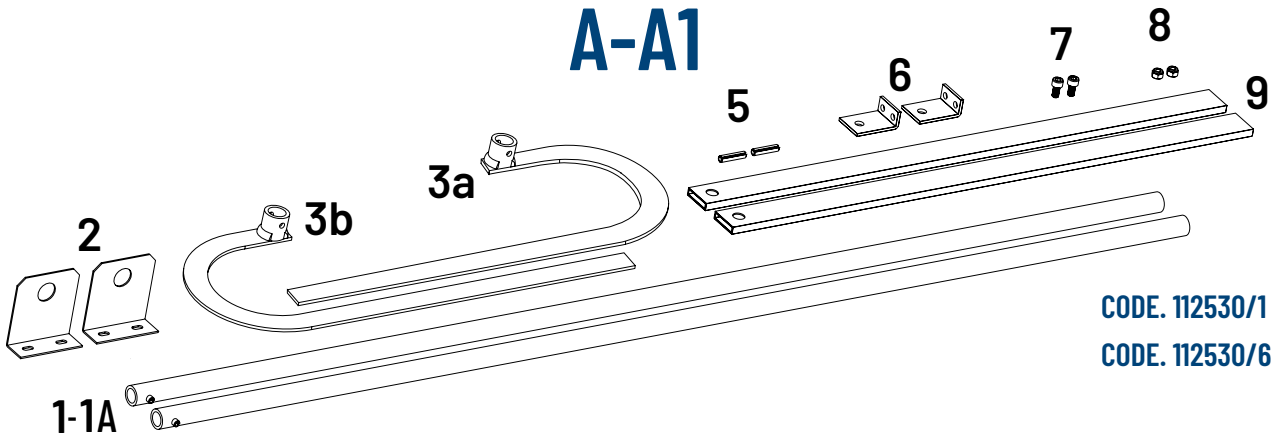


CODE. LD11  
LED flashing light

| CODE      | MOD      | DESCRIPTION                                   |
|-----------|----------|---|
| CNT       | CNT1     | 1.5 kg counterweight for overhead doors 20 mm |
| 122004/09 | SBL SERR | Key latch release unit                        |
| 756/2     | LNG      | Galvanized support bar 56 cm                  |
| 140038    | LNG      | Galvanized support bar 100 cm                 |
| 756       | LNG      | Galvanized support bar 150 cm                 |
| 756/4     | LNG      | Galvanized support bar 200 cm                 |
| LD11      | LD       | LED flashing light                            |
| CL001     | LD-CR    | Multivoltage LED flashing circuit             |
| ST-450    | CT-MAG   | Magnetic contact for overhead doors           |

# ACCESSORIES KIT BASIC 09

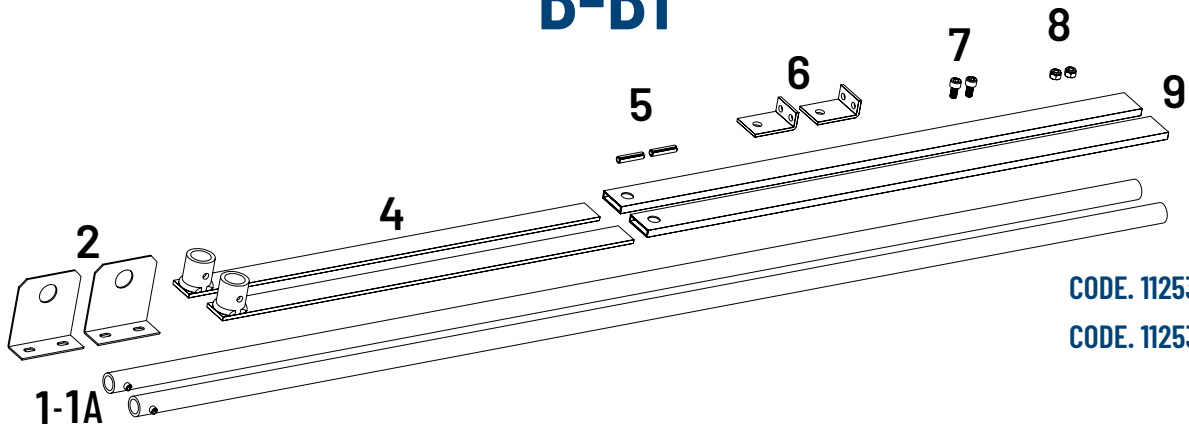
## A-A1



CODE. 112530/1

CODE. 112530/6

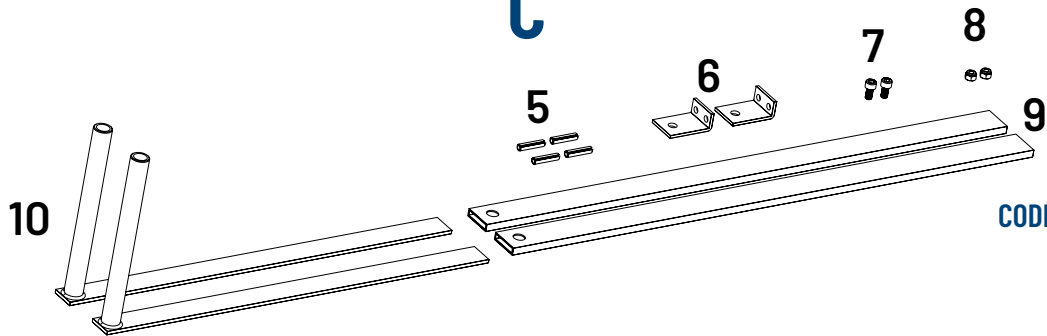
## B-B1



CODE. 112530/2

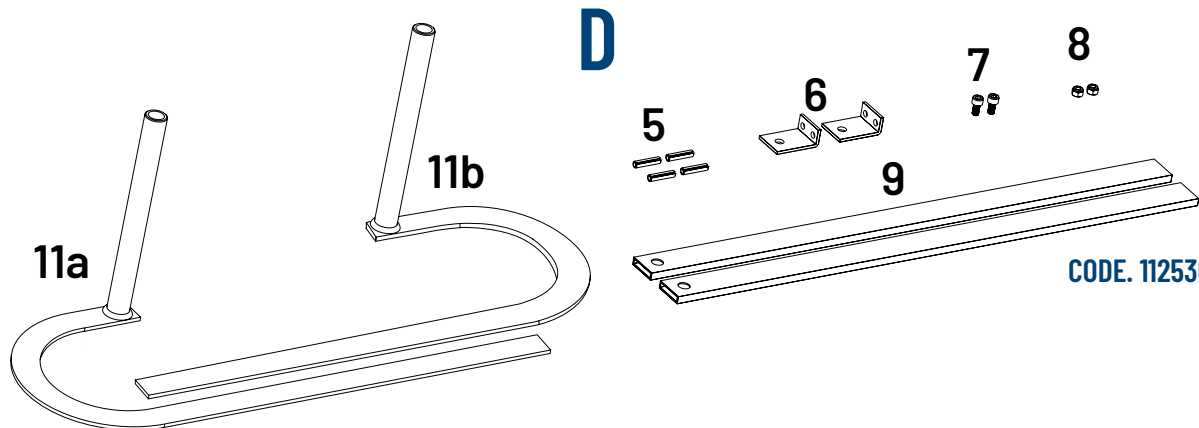
CODE. 112530/5

## C



CODE. 112530/3

## D



CODE. 112530/4

## KIT

| REF. CODE          | MOD                     | DESCRIPTION  |
|--------------------|-------------------------|--|
| <b>A</b> 112530/1  | ACC KIT-1<br>MONOMOTORE | 2 curved arms - 2 transmission shafts 1.5m - accessories   |
| <b>B</b> 112530/2  | ACC KIT-2<br>MONOMOTORE | 2 straight arms - 2 transmission shafts 1.5m - accessories |
| <b>C</b> 112530/3  | ACC KIT-3<br>BIMOTORE   | 2 straight arms - accessories                              |
| <b>D</b> 112530/4  | ACC KIT-4<br>BIMOTORE   | 2 curved arms - accessories                                |
| <b>B1</b> 112530/5 | ACC KIT-5<br>MONOMOTORE | 2 straight arms - 2 transmission shafts 2m - accessories   |
| <b>A1</b> 112530/6 | ACC KIT-6<br>MONOMOTORE | 2 curved arms - 2 transmission shafts 2m - accessories     |

## KIT COMPONENTS LEGEND

| REF. | CODE     | DESCRIPTION                       |
|------|----------|-----------------------------------|
| 1    | 200203   | TRANSMISSION SHAFT 1.5MT          |
| 1A   | 200202   | TRANSMISSION SHAFT 2MT            |
| 2    | 758/1    | TRANSMISSION SHAFT SUPPORT        |
| 3A   | 754/MSX  | CURVED ARM WITH LEFT BUSHING      |
| 3B   | 754/MDX  | CURVED ARM WITH RIGHT BUSHING     |
| 4    | 200200   | STRAIGHT ARM WITH BUSHING         |
| 5    | 121098   | SPRING PIN 8X36                   |
| 6    | ST001    | TELESCOPIC ARM ATTACHMENT BRACKET |
| 7    | 121386   | TCEI SCREW 8X16                   |
| 8    | 21387    | SELF-LOCKING NUT M8               |
| 9    | 761B     | TELESCOPIC ARM                    |
| 10   | 200200/P | STRAIGHT ARM WITH TUBE            |
| 11A  | 200201/P | CURVED ARM WITH RIGHT TUBE        |
| 11B  | 200202/P | CURVED ARM WITH LEFT TUBE         |



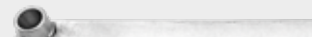
CODE. 200203 / 200202  
Transmission shaft



CODE. 758/1  
Transmission shaft support



CODE. 754/MSX - 754/MDX  
Curved arm with bushing



CODE. 200200  
Straight arm with bushing



CODE. ST001  
Telescopic arm attachment  
bracket



CODE. 761B  
Telescopic arm



CODE. 20220/P  
Straight arms with tube



CODE. 20201/P - 200202/P  
Curved arms with tube



CODE. 756 -756/4  
Galvanized support bar

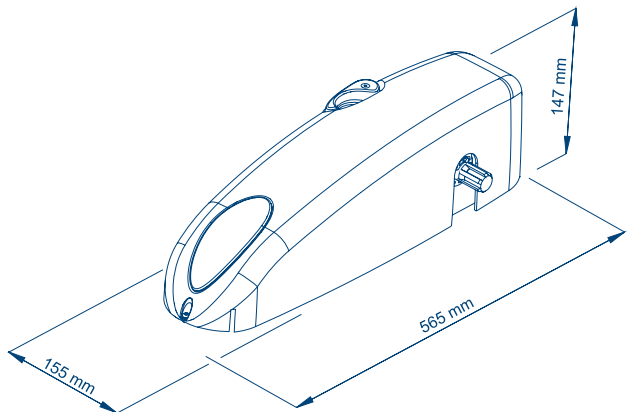
# BASIC ON ELECTROMECHANICAL OPERATOR 230V

-  VOLTAGE 230V
-  RESIDENTIAL
-  COLLECTIVE
-  MAX SURFACE 10 MQ
-  IRREVERSIBLE



## TECHNICAL FEATURES BASIC ON 230

|                       |              |
|-----------------------|--------------|
| POWER SUPPLY          | 230VAC       |
| DOOR WEIGHT           | 10 SQM       |
| ENGINE RPM            | 1400 RPM     |
| AVERAGE ABSORPTION    | 1,3 A        |
| ABSORBED POWER        | 250 W        |
| CONDENSER             | 12.5 UF      |
| MOTOR WEIGHT          | 8.5 KG       |
| NOISE LEVEL           | < 30 DBA     |
| OPERATING TEMPERATURE | -20 / +55° C |
| PROTECTION DEGREE     | IP30         |
| MAX TORQUE            | 200 NM       |



## FEATURES

- Irreversible electromechanical operator
- Suitable for 2 leaves counterweight doors
- Steel and bronze gears obtained from solid
- Very quiet operation
- Lithium grease lubrications of mechanical parts against corrosion, oxidation and rust
- High Performance electric motor
- Operator 230V with Encoder optional
- Release device with die-cast lever
- Available with or without control board
- Control board with built-in receiver and antenna
- Pre-wiring and easy programming software
- Electronic torque control
- Anti-crushing system \* (EN 12453)
- Slowing down function \* (EN 12453)
- Courtesy light
- Power supply 230V
- Magnetic contact for pedestrian

## PERFORMANCE REQUIREMENTS

- Operating Cycle Semi-Intensive 230V
- Use frequency 50% (230VAC)
- Opening time 15 SEC

\* Functions guaranteed with VDS electronics

## OPERATOR

 PZ. PALLET  
800x1200x1100mm | 35 pcs. 340 KG

| CODE   | MOD           | DESCRIPTION                                   |
|--------|---------------|---|
| 759    | BASIC ON-230V | Operator - Without control board and receiver |
| 110411 | BASIC ON-230V | Operator - With control board and receiver    |
| EN002  | ENCODER       | Extra for Basic Encoder 230V                  |

• For better radio reception we recommend the use of an external aerial code 210/1

### KIT CONTENT MOTOR + CONTROL BOARD + ACCESSORIES



CODE. E102  
Control board 230V



CODE. 12/C  
Pair of photocells



CODE. 23/8  
LED flashing light



CODE. E010  
Remote control



CODE. 756/2 - 756 -756/4  
140038  
Galvanized support bar

INCLUDES ACCESSORIES ACC KIT STRAIGHT 112529/2 or ACC KIT CURVES 112530/1.

### KIT

| CODE   | MOD             | DESCRIPTION                     |
|--------|-----------------|---------------------------------|
| 1041-D | KIT BASIC ON-DR | Basic On Kit with straight arms |
| 1041-C | KIT BASIC ON-CV | Basic On Kit with curved arms   |

### EXTRA ACCESSORIES



CODE. CNT  
Counterweight 1.5Kg  
overhead doors



CODE. 122004/09  
Key latch release unit



CODE. 756/2 - 756 -756/4  
140038  
Galvanized support bar



CODE. ST450  
Magnetic contact for  
overhead doors

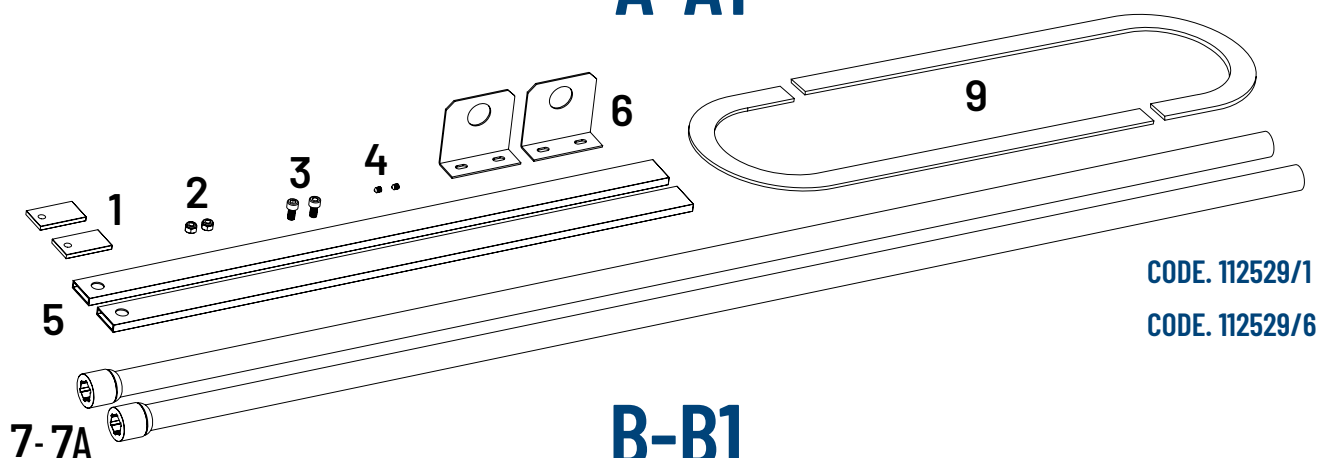


CODE. LD11  
LED flashing light

| CODE      | MOD      | DESCRIPTION                             |
|-----------|----------|---|
| CNT       | CNT1     | 1.5 kg counterweight for overhead doors |
| 122004/09 | SBL SERR | Key latch release unit                  |
| 756/2     | LNG      | Galvanized support bar 57 cm            |
| 140038    | LNG      | Galvanized support bar 100 cm           |
| 756       | LNG      | Galvanized support bar 150 cm           |
| 756/4     | LNG      | Galvanized support bar 200 cm           |
| LD11      | LD       | LED flashing light                      |
| CLO01     | LD-CR    | Multivoltage LED flashing circuit       |
| ST-450    | CT-MAG   | Magnetic contact for overhead doors     |

# BASIC ACCESSORIES KIT ON

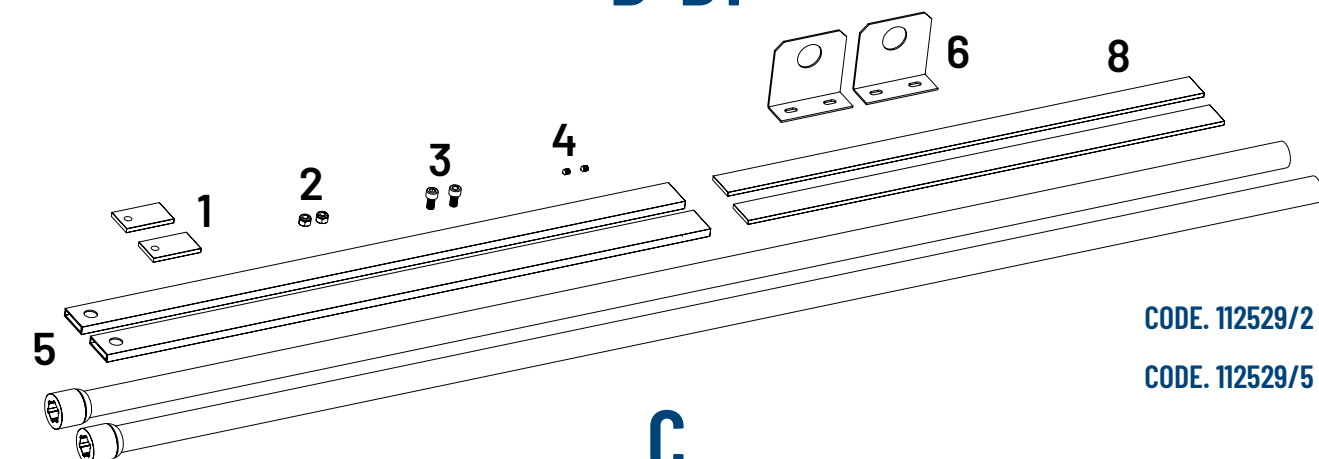
## A-A1



CODE. 112529/1

CODE. 112529/6

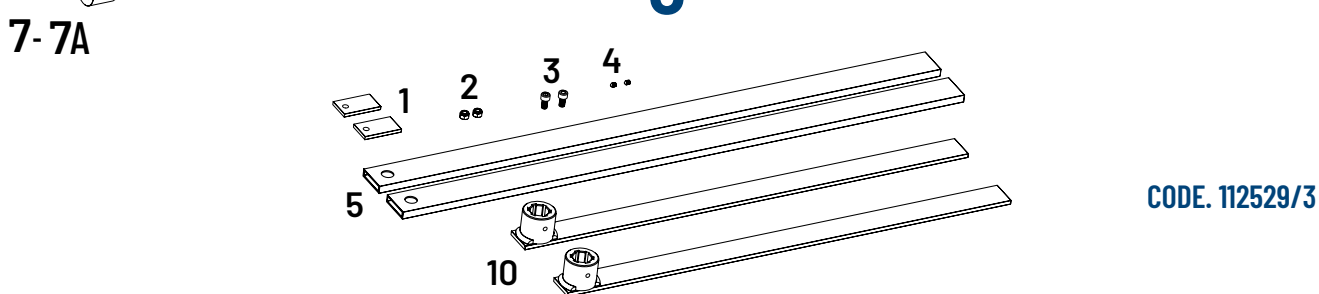
## B-B1



CODE. 112529/2

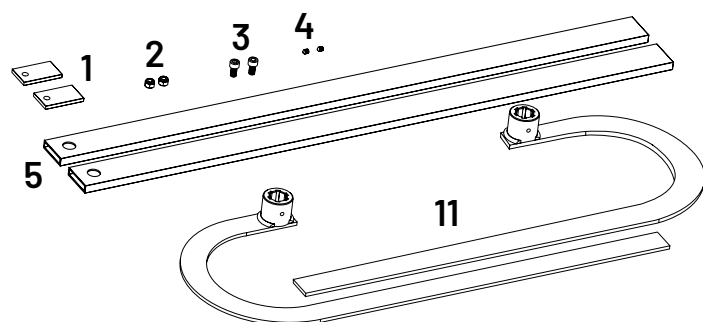
CODE. 112529/5

## C



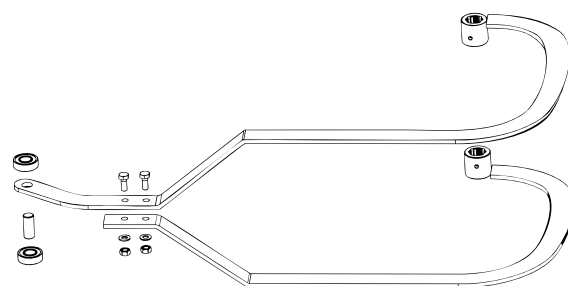
CODE. 112529/3

## D



CODE. 112529/4

## E



CODE. 112529/S

## KIT

| REF. CODE | MOD      | DESCRIPTION  |
|-----------|----------|--|
| <b>A</b>  | 112529/1 | <b>ACC KIT-1 MONOMOTORE</b> 2 curved arms - 2 transmission shafts 1.5m - accessories   |
| <b>B</b>  | 112529/2 | <b>ACC KIT-2 MONOMOTORE</b> 2 straight arms - 2 transmission shafts 1.5m - accessories |
| <b>C</b>  | 112529/3 | <b>ACC KIT-3 BIMOTORE</b> 2 straight arms - accessories                                |
| <b>D</b>  | 112529/4 | <b>ACC KIT-4 BIMOTORE</b> 2 curved arms - accessories                                  |
| <b>E</b>  | 112529/S | <b>ACC KIT SAXO MONOMOTORE</b> 2 Saxo arms - accessories                               |
| <b>B1</b> | 112529/5 | <b>ACC KIT-5 MONOMOTORE</b> 2 straight arms - 2 transmission shafts 2m - accessories   |
| <b>A1</b> | 112529/6 | <b>ACC KIT-6 MONOMOTORE</b> 2 curved arms - 2 transmission shafts 2m - accessories     |

## KIT COMPONENTS LEGEND

| REF. | CODE     | DESCRIPTION                             |
|------|----------|---|
| 1    | 140008/1 | ARM PLATE                               |
| 2    | 121387   | SELF-LOCKING NUT M8                     |
| 3    | 121386   | TCEI SCREW 8X16                         |
| 4    | 121039   | 6X8 POINTED GRAIN                       |
| 5    | 761B     | TELESCOPIC ARM                          |
| 6    | 758      | TRANSMISSION SHAFT SUPPORT              |
| 7    | 752      | PAIR OF TRANSMISSION SHAFTS 1.5MT       |
| 7A   | 753      | PAIR OF TRANSMISSION SHAFTS 2MT         |
| 8    | 755B     | STRAIGHT ARM                            |
| 9    | 754B     | CURVED ARM.                             |
| 10   | 755/B    | STRAIGHT ARM WITH WELDED BUSHING CURVED |
| 11   | 754/B    | ARM WITH WELDED BUSHING                 |



CODE. 140008/1  
Saucer arms



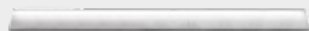
CODE. 7651B  
Telescopic Arm



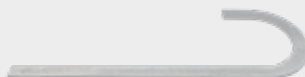
CODE. 758/1  
Drive shaft support



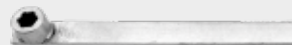
CODE. 752 - 753  
Pair of transmission shafts



CODE. 755B  
Straight arm



CODE. 754B  
Curved arm



CODE. 755/B  
Straight arm with broached bushing



CODE. 754/B  
Curved arms with broached bushings



CODE. 756 -756/4  
Galvanized support bar



CODE. 112529/S  
Saxo arms

## Road Barriers

Page.

**ITALO** 230V - Mast Max 3MT

64

**BERTA** 24V -230V Max 6MT

66

**COIN ACCEPTOR**

68

# ROAD BARRIERS



# ITALO ELECTROMECHANICAL BARRIER 230V

⚡ VOLTAGE 230V

🏠 RESIDENTIAL

🏢 COLLECTIVE

ⓘ ROD UP TO 4MT

● IRREVERSIBLE

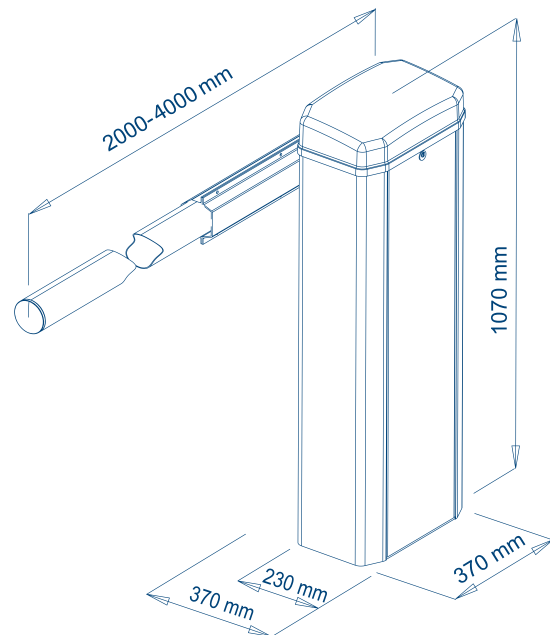


## TECHNICAL FEATURES

|                       |              |
|-----------------------|--------------|
| POWER SUPPLY          | 230VAC       |
| MAX LENGHT ARM        | 4 MT         |
| OPENING/CLOSING TIME  | 2 SEC        |
| ABSORBED POWER        | 250 W        |
| MOTOR WEIGHT          | 45 KG        |
| NOISE LEVEL           | < 30 DBA     |
| OPERATING TEMPERATURE | -20 / +55° C |
| PROTECTION DEGREE     | IP44         |

## FEATURES

- Irreversible to intensive use
- Self-supporting powder-coated steel cabinet
- Die-cast aluminum motor box
- Steel and bronze gears
- High Performance Electric Motor
- Air cooling by fan
- Oil-lubricated mechanical parts
- Opening and closing microswitches
- Spring balancing
- Standard round rod attachment - rectangular rod optional
- Emergency handle release
- Max. rod length 4m / LED rod kit (optional)
- Easy programming software
- Control board with radio receiver and antenna
- Anti-crushing device\* (EN 12453)
- Mechanical speed slowdown opening and closing
- Electronic torque control



## PERFORMANCE REQUIREMENTS

- Intensive use
- Frequency of use 100%
- Opening time 2 SEC

\* Functions guaranteed with VDS electronics

## BARRIERS

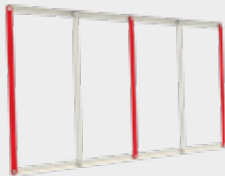


PZ. PALLET  
800x1200x1200mm | 6 pcs.340KG

| CODE | MOD        | DESCRIPTION   |
|------|------------|---|
| 1447 | ITALO 230V | Barrier - Control board and built-in receiver 433 mHz |

• For better radio reception we recommend the use of an external aerial code 210/1

### EXTRA ACCESSORIES



CODE. 142  
Safety fence



CODE. 124512  
Reflective stickers 1PZ



CODE. 150/8038  
Shockproof mechanical protection



CODE. 121110  
Fixing plate



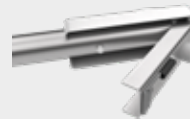
CODE. 242  
Fixed rod support



CODE. 141  
Mobile amortized rod support



CODE. 121854 - 121854/1 - 121854/2  
Round rod diameter 80mm



CODE. SA-055  
Rod safety release



CODE. 790/5082  
Evoloop movement detector



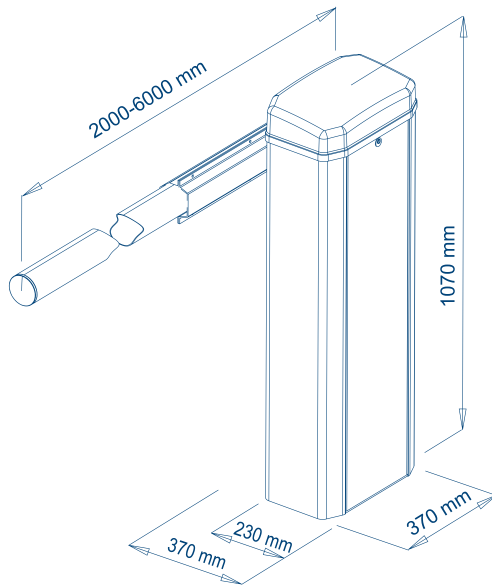
CODE. LD03  
Two-tone led strip  
Red/Green

⚠ LED kits cannot be modified if already mounted on rods.

| CODE      | MOD   | DESCRIPTION   |
|-----------|-------|---|
| 121854    | AT2   | Round rod diameter 80 mm length 2 m                               |
| 121854/1  | AT3   | Round rod diameter 80 mm length 3 m                               |
| 121854/2  | AT4   | Round rod diameter 80 mm length 4 m                               |
| SA-055    | SG-A  | Release for barrier rod   |
| 121110    | CPT   | Fixing plate  |
| 242       | SUPP  | Fixed rod support   |
| 141       | AST   | Mobile amortized rod support                                      |
| 142       | SIE   | Safety fence module 2 m   |
| KIT-LED03 | LD03  | Two-tone LED 24V kit for 3m round rod                             |
| KIT-LED04 | LD04  | Two-tone LED 24V kit for 4m round rod                             |
| 790/5082  | R-BAR | Presence and activation detector for automatic barriers microwave |
| 124512    | ACTR  | Reflective sticker (1 pc)   |
| 150/8038  | PRT   | Shockproof mechanical protection                                  |

# BERTA ELECTROMECHANICAL BARRIER 230V - 24V

-  VOLTAGE 230V - 24V
-  RESIDENTIAL
-  COLLECTIVE
-  ROD UP TO 6MT
-  IRREVERSIBLE



| TECHNICAL FEATURES    | BERTA 230    | BERTA 24     |
|-----------------------|--------------|--------------|
| POWER SUPPLY          | 230V         | 24V          |
| MAX LENGHT ROD        | 6 MT         | 6 MT         |
| OPENING TIME          | 6 SEC        | 6 SEC        |
| ABSORBED POWER        | 250 W        | 60 W         |
| MOTOR WEIGHT          | 45 KG        | 45 KG        |
| NOISE LEVEL           | < 30 DBA     | < 30 DBA     |
| OPERATING TEMPERATURE | -20 / +55° C | -20 / +55° C |
| PROTECTION DEGREE     | IP44         | IP44         |

## FEATURES

- Irreversible, intensive use
- Powder coated steel structure
- Motor box in cast aluminum
- Steel and cast iron gears
- High Performance electric motor
- Mechanical parts lubricated with lithium grease
- Opening and closing microswitches
- Spring balance
- Round arm standard - Rectangular arm optional
- Emergency release by crank, 230V
- Mechanical release with key, 24V
- Arm length max 6 mt / arm kit LED (optional)
- Pre-wiring and easy programming software
- Control board with built-in receiver and antenna
- Anti-crushingz system \* (EN 12453)
- Slowing down function \* (EN 12453)
- Electronic torque control
- Anti black out battery kit



STAINLESS STEEL VERSION

## PERFORMANCE REQUIREMENTS

- Operating Cycle Semi-Intensive 230v, intensive 24v
- Use frequency 50% (230V) - 100% (24V)
- Opening time 6 SEC

\* Functions guaranteed with VDS electronics

## BARRIERS



PZ. PALLET  
800x1200x1200mm | 6 pcs. 360 KG

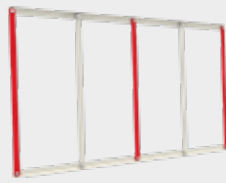
| CODE     | MOD               | DESCRIPTION  |
|----------|-------------------|--|
| 1445     | BERTA 230V        | Barrier - 230V - Control board - Rod from 3 to 6 m                 |
| 1445/2   | BERTA 230V        | Barrier - 230V- FAST Version- Control board - Rod from 2 to 4 m    |
| 1446     | BERTA 24V         | Barrier - 24V - Control board - Rod from 3 to 6 m                  |
| 1446/3   | BERTA 24V<br>3000 | Barrier - 24V- FAST Version - Control board - Rod from 2 to 4 m    |
| 1445-3IX | BERTA 230V-F      | Barrier - 230V - FAST Version - INOX - Control board - Rod max 4 m |
| 1445-IX  | BERTA 230V        | Barrier - 230V - INOX - Control board - Rod max 6 m                |
| 1446-3IX | BERTA 24V-F       | Barrier - 24V - FAST Version - INOX - Control board - Rod max 4 m  |
| 1446-IX  | BERTA 24V         | Barrier - 24V - INOX - Control board - Rod max 6 m                 |
| 1440     | BERTA - M         | Manual version barrier - Rods from 2 to 6 m                        |

• For better radio reception we recommend the use of an external aerial code 210/1

## EXTRA ACCESSORIES



CODE. 242  
Fixed rod support



CODE. 142  
Safety fence



CODE. LD03 /04 / 05 / 06  
Two-tone led strip  
Red/Green

⚠ LED kits cannot be modified if already mounted on rods.



CODE. SN01  
Articulated Rod Kit



CODE. 124512  
Reflective stickers 1PZ



CODE. 121854/1  
Round rod diameter 80mm



CODE. 141  
Mobile amortized rod support



CODE. 150/8038  
Shockproof mechanical protection



CODE. 121110  
Fixing plate



CODE. SA-055  
Rod safety release



CODE. 790/5082  
Evoloop movement detector

| CODE      | MOD     | DESCRIPTION   |
|-----------|---------|---|
| 121854    | AT2     | Round rod diameter 80 mm length 2 m                               |
| 121854/1  | AT3     | Round rod diameter 80 mm length 3 m                               |
| 121854/2  | AT4     | Round rod diameter 80 mm length 4 m                               |
| 121854/3  | AT5     | Round rod diameter 80 mm length 5 m                               |
| 121854/4  | AT6     | Round rod diameter 80 mm length 6 m                               |
| 790/5082  | R-BAR   | Presence and activation detector for automatic barriers microwave |
| SA-055    | SG-A    | Rod safety release  |
| SN01      | SND     | Articulated Rod Kit rod max 3 m                                   |
| 12478     | GIU     | Joint for round rod   |
| 121110    | CPT     | Fixing plate  |
| 242       | SUPP    | Fixed rod support   |
| 141       | AST     | Mobile amortized rod support                                      |
| 142       | SIE     | Safety fence module 2 m   |
| KIT-LED03 | LD03    | Two-tone LED 24V kit for 3m round rod                             |
| KIT-LED04 | LD04    | Two-tone LED 24V kit for 4m round rod                             |
| KIT-LED05 | LD05    | Two-tone LED 24V kit for 5m round rod                             |
| KIT-LED06 | LD06    | Two-tone LED 24V kit for 6m round rod                             |
| 124512    | ACTR    | Reflective sticker (1 pc)   |
| K009      | BAT - B | Battery kit Berta 24V   |
| 150/8038  | PRT     | Shockproof mechanical protection                                  |

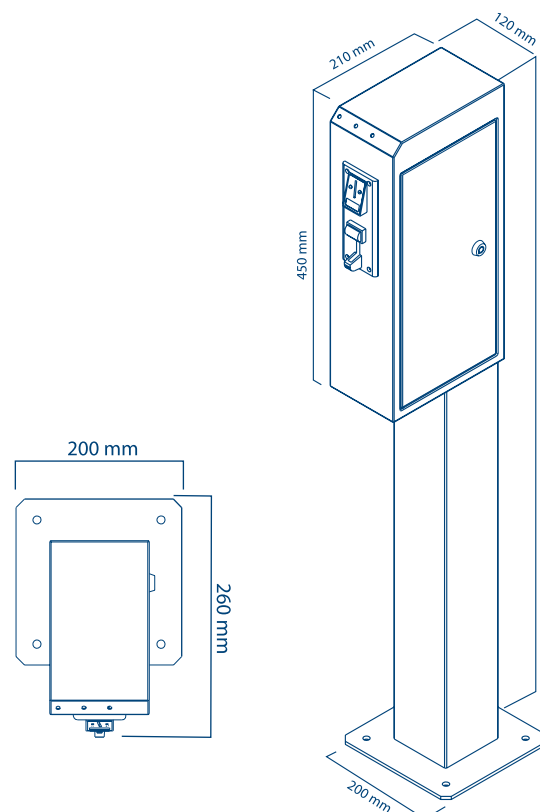
# MECHANICAL COIN ACCEPTOR

 COLLECTIVE



## FEATURES

- Mechanical coin acceptor suitable for different applications
- It could be supplied with mechanical coin acceptor, token acceptor or electronic coin acceptor
- Steel structure with lock
- Dimensions 1080x120x210
- Internal coin or token collection box with capacity of approx. no. 1000 pcs.



## MECHANICAL COIN ACCEPTOR

| CODE    | MOD   | DESCRIPTION                             |
|---------|-------|---|
| CT500   | GET   | Mechanical coin acceptor + fixing plate |
| FM10039 | GET-0 | Tokens for mechanical coin acceptor     |



CODE. FM10039  
Token

## Traffic Bollards

Page.

---

**MOLE** 230V

72

---

**ALZO** 24V

74

---

# TRAFFIC BOLLARDS



# MOLE HYDRAULIC COLUMN BOLLARD 230V

⚡ VOLTAGE 230V

● IRREVERSIBLE

ⓘ MAX HEIGHT 60 CM



MOLE



MOLE-F

## FEATURES

- Inner pillar in 4 mm thick steel
- Outer pillar (foundation case) in galvanized steel
- Diameter pillar 230mm
- Hight 600mm
- The control unit ensures proper operation of the system by keeping the oil under pressure inside the actuator, thus contributing to the efficiency and durability of the engine
- Manual release is done by acting on the top of the pylon using a triangular key
- LED luminous flux visible 360°, both when the pylon is down and when it is up, and the retro-reflective film ensures perfect visibility of the bollard
- The control unit manages the movement ensuring maximum safety and constants performance over time

## PERFORMANCE REQUIREMENTS

- Intensive use
- Frequency of use 100%
- Rise time 8 SEC
- Descent time 3 SEC



\* Functions guaranteed with VDS electronics

## BOLLARDS

 PZ. PALLET MOLE AND  
800x1200xH1300mm | 6 pcs. 400 KG

| CODE   | MOD    | DESCRIPTION                               |
|--------|--------|---|
| 2001/1 | MOLE   | Hydraulic bollard with control board + TX |
| 2001/3 | MOLE-F | Fixed bollard                             |

• For better radio reception we recommend the use of an external aerial code 210/1

## EXTRA ACCESSORIES



CODE. E102/P  
E102 panel with programming software



CODE. 12/C  
Pair of photocells



CODE. 23/8  
LED flashing light



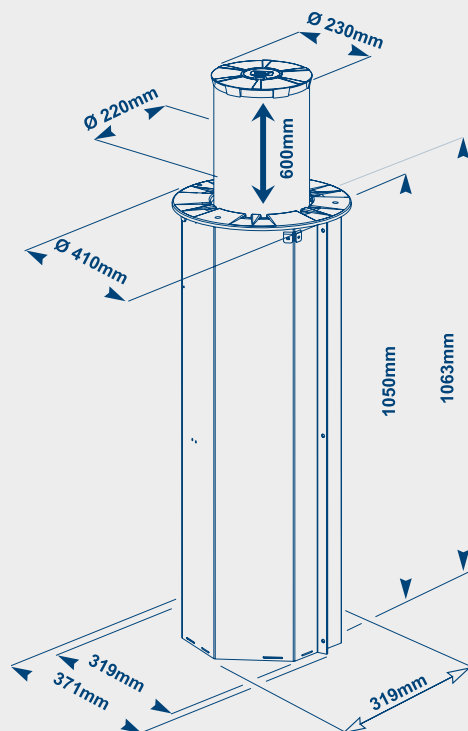
CODE. 23/4  
Wall mounting base



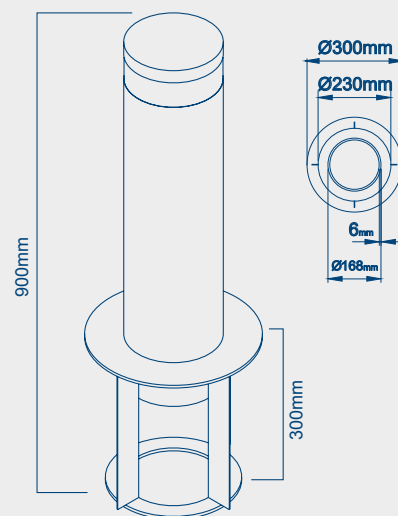
CODE. E010  
Remote control



CODE. 165B  
Warning sign



MOLE



MOLE-F

# ALZO CHAIN BARRIER

 VOLTAGE 230V

 RESIDENTIAL

 COLLECTIVE

 PASSAGES UP TO 20MT  IRREVERSIBLE

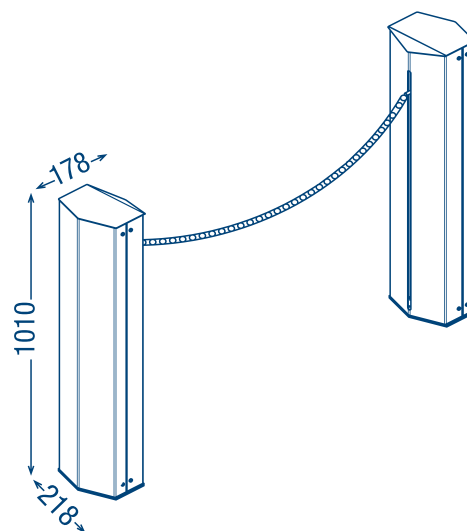


## TECHNICAL FEATURES

|                    |               |
|--------------------|---------------|
| POWER SUPPLY       | 230VAC - 50HZ |
| MOTOR POWER SUPPLY | 24 VDC        |
| AVERAGE ABSORPTION | 1.0           |
| ABSORBED POWER     | 24 W          |
| MAX CHAIN LENGTH   | 20 MT         |
| MOTOR WEIGHT       | 16KG          |
| COLUMN HEIGHT      | 1010 MM       |
| SERVICE            | 50%           |
| PROTECTION DEGREE  | 34            |
| CONTROL UNIT       | ACTION        |

## FEATURES

- Chain barrier to easily delimit small parkings or driveways
- Quick and easy installation
- Smart: thanks to obstacle detection and automatic stroke programming
- Always ready: operation in absence of current with rechargeable batteries that can be connected to the control board via the battery charger card, through a comfortable guided coupling connector
- Chain up to 20 mt in length
- Galvanized and painted steel structure



\* Functions guaranteed with VDS electronics

## BARRIERS



PZ. PALLET  
800x1200xH1200 | 6pcs. 340 KG

| CODE     | MOD   | DESCRIPTION   |
|----------|-------|---|
| 12007374 | ALZ-M | Operator 24V with encoder - Built-in ACTION control board with slowdowns in opening and closing - Column height 1010mm - MASTER |
| 12007379 | ALZ-S | Operator 24V  |

• For better radio reception we recommend the use of an external aerial code 210/1

### KIT CONTENT.

#### MOTOR + PILLAR + BREAKING JOINT + REMOTE CONTROL

| KIT-ALZO | KIT | DESCRIPTION   |
|----------|-----|---|
|          |     | AUTOMATIC BARRIER CHAIN ELECTRICAL KIT - 24V pillar with encoder - Built-in ACTION control unit with slowdowns in opening and closing - MASTER + 24V pillar - SLAVE + Breaking joint + TX |



CODE. 112007395  
Breaking joint



CODE. E010  
Remote control

### EXTRA ACCESSORIES



CODE. 64000404  
Two-tone white and red steel chain



CODE. 64000405  
Steel and galvanized chain



CODE. 112007395  
Breakout joint



CODE. 64000409  
Galvanized sheet metal innccaso guide 2mt



CODE. 61700406  
M8x25 turned stainless steel screw



CODE. 64000407  
Ø 6mm stainless steel junction mesh



CODE. 12000780  
24V plug-in battery charger with electronic charge control



CODE. 1200757  
Batteries kit in box 2 batteries 1.3 Ah - 1mt cable



CODE. 420  
12V rechargeable battery 7 Ah-Needed 2 batteries



CODE. 12666482  
433 mHz plug-in receiver - 1 channel - with antenna

| CODE     | DESCRIPTION  |
|----------|--|
| 64000404 | Two-tone white and red steel chain                         |
| 64000405 | Steel and galvanized chain                                 |
| 12007395 | Breakout joint   |
| 64000409 | Galvanized bottom guide in sheet 2 mt                      |
| 61700406 | M8x25 turned stainless steel screw                         |
| 64000407 | Ø 6mm stainless steel junction mesh                        |
| 12000780 | 24V plug-in battery charger with electronic charge control |
| 12000757 | Batteries kit in box 2 batteries 1.3 Ah - 1 mt cable       |
| 420      | 12V 7 Ah rechargeable battery - 2 batteries required       |
| 12666482 | 433 mHz plug-in receiver - 1 channel - with antenna        |

## Industrial Doors Automations

Page.

**SIDEPower** 230V / 380V - MAX 50SQM

---

78

## Rolling Shutters Automations

Page.

**TONDO** 230V - MAX 180KG

---

80

**ROLL PRO** 230V - MAX 300KG

---

82

INDUSTRIAL DOORS AND ROLLING SHUTTERS AUTOMATIONS



# SIDEPower INDUSTRIAL SECTIONAL DOOR MOTOR 230V - 380V

 VOLTAGE 230V - 380V

 RESIDENTIAL

 INDUSTRIAL

 MAX SURFACE 50M<sup>2</sup>

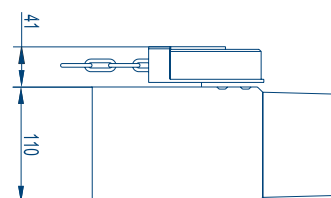
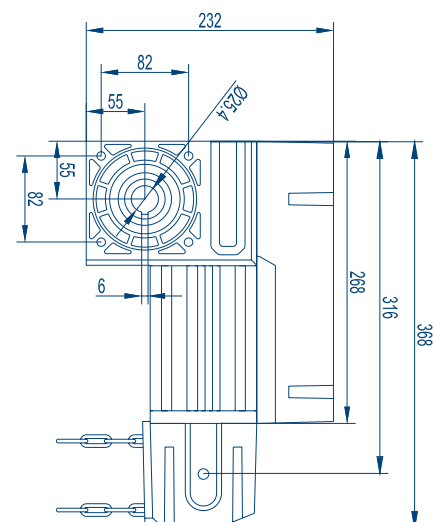
 IRREVERSIBLE



| TECHNICAL FEATURES       | S.P. 100          | S.P. 100E         | S.P. 150          |
|--------------------------|-------------------|-------------------|-------------------|
| POWER SUPPLY             | 220V              | 220V              | 380V              |
| DOOR SIZE                | 35 M <sup>2</sup> | 35 M <sup>2</sup> | 50 M <sup>2</sup> |
| ENGINE POWER             | 550W              | 550W              | 750W              |
| MAX CHAIN LENGTH         | 8 MT              | 8 MT              | 8 MT              |
| TORQUE                   | 100NM             | 100NM             | 150NM             |
| HEAT PROTECTION          | 120°C             | 120°C             | 120°C             |
| NO-LOAD RUNNING TIME     | 8 MIN             | 8 MIN             | 15 MIN            |
| ENGINE RPM               | 24 RPM            | 24 RPM            | 24 RPM            |
| NOISE LEVEL              | ≤ 55DB            | ≤ 55DB            | ≤ 55DB            |
| OUTPUT SHAFT DIAMETER    | Ø 25.4 MM         | Ø 25.4 MM         | Ø 25.4 MM         |
| ENVIRONMENTAL CONDITIONS | -20°C~+50°C       | -20°C~+50°C       | -20°C~+50°C       |
| PROTECTION DEGREE        | IP54              | IP54              | IP54              |
| OPERATOR WEIGHT          | 14KG              | 14KG              | 14KG              |

## FEATURES

- Gearmotor for medium to large industrial sectional doors
- Easy installation
- Oil lubrication system
- Unlocking with 8mt chain
- Possibility of encoder with obstacle detection and simplified programming



\* Functions guaranteed with VDS electronics

## OPERATOR AND ACCESSORIES

| CODE    | MOD                  | DESCRIPTION                                     |
|---------|----------------------|---|
| 1218880 | <b>SIDEPOWER 100</b> | 220V sectional lateral motor (motor only) 100NM |
| 1218881 | <b>SIDEPOWER 150</b> | 380V sectional lateral motor (motor only) 150NM |

• For better radio reception we recommend the use of an external aerial code 210/1

### EXTRA ACCESSORIES



CODE. 121888/C  
Replacement chain 8mt



CODE. 121888/TX  
Remote control

| CODE      | MOD                   | DESCRIPTION   |
|-----------|-----------------------|---|
| 121888/M  | <b>SIDEPOWER 100</b>  | 220V sectional lateral motor with control unit + 2 TX                 |
| 121888/T  | <b>SIDEPOWER 150</b>  | 380V sectional lateral motor with control unit + 2 TX                 |
| 121888-E  | <b>SIDEPOWER 100E</b> | 220V sectional lateral motor with control unit 100NM + encoder + 2 TX |
| 121888/TX | <b>TX-SIDEPOWER</b>   | Side Power remote control 433 MHz 4 channels                          |
| 121888/C  | <b>CAT8</b>           | Spare chain 8m for Side Power   |

# TONDO AUTOMATION FOR ROLLING SHUTTERS 230V

 VOLTAGE 230V

 RESIDENTIAL

 COLLECTIVE

 MAX WEIGHT 380KG

 IRREVERSIBLE



| TECHNICAL FEATURES      | TONDO 180    | TONDO 180/76 | TONDO 360/60 | TONDO 360/76 |
|-------------------------|--------------|--------------|--------------|--------------|
| POWER SUPPLY            | 230V         | 230V         | 230V         | 230V         |
| LIFTING FORCE           | 180 KG       | 190KG        | 360KG        | 380KG        |
| CONDENSER               | 22 UF        | 22 UF        | 40 UF        | 44 UF        |
| AVERAGE ABSORPTION      | 2,5 A        | 3,12 A       | 5,21 A       | 6,22 A       |
| ABSORBED POWER          | 700 W        | 750 W        | 1200 W       | 1430 W       |
| RPM CROWN               | 9 / MIN      | 9.5 / MIN    | 10 / MIN     | 9.5 / MIN    |
| MOTOR WEIGHT            | 10 KG        | 11 KG        | 14 KG        | 15 KG        |
| ENVIROMENTAL CONDITIONS | -20 / +85° C | -20 / +85° C | -20 / +85° C | -20 / +85° C |
| LIMIT SWITCH            | 6 MT         | 6 MT         | 6 MT         | 6 MT         |

## FEATURES

- New design
- Quick installation even on existing shutters
- Irreversible
- Manual release
- Electric brake
- Mechanical limit switch built-in, easy adjustable
- Fast, reliable and silent
- Power supply 230V

## PERFORMANCE REQUIREMENTS

| MOD.          | PULLEY  | POLE  |
|---------------|---------|-------|
| TONDO 180:    | 200/220 | 48/60 |
| TONDO 180/76: | 240     | 76    |
| TONDO 360/60: | 200/240 | 60    |
| TONDO 360/76  | 240     | 76    |

## OPERATOR AND ACCESSORIES



PZ. PALLET  
800x1200x1300 | 50 pcs. 52 KG

• For better radio reception we recommend the use of an external aerial code 210/1

| CODE      | MOD          | DESCRIPTION  |
|-----------|--------------|--|
| 1000043/B | TONDO 180    | Shutter operator 180 kg with electric brake - Ø48-60       |
| 1000043-F | TONDO 180/76 | Shutter operator 180 kg with electric brake - Ø76          |
| 1000043-G | TONDO 360/60 | Shutter operator 360 kg with electric brake 2 motors - Ø60 |
| 1000043-O | TONDO 360/76 | Shutter operator 360 kg with electric brake 2 motors - Ø76 |
| RD33      | AD 33        | 33 mm adapter - pair                                       |
| RD42      | AD 42        | 42 mm adapter - pair                                       |
| RD48      | AD 48        | 48 mm adapter - pair                                       |
| 43364/050 | ELT TONDO    | Electric brake with release cable                          |

## EXTRA ACCESSORIES



CODE. S-0215-01  
Control board with built-in receiver and antenna



CODE. 12/C  
Pair of photocells



CODE. 23/8  
LED flashing light



CODE. 23/4  
Wall fixing base



CODE. 198/5  
Key selector



CODE. E010  
Remote control



CODE. 165B  
Warning sign



CODE. 854  
Lock with electro-brake release and aluminum push-button panel European cylinder



CODE. 93370000  
Control board for the control of 2 hold-to-run motors - without receiver



CODE. 93330000  
Control board for the control of 4 hold-to-run motors - without receiver



CODE. 96050000  
Control board with low voltage hold-to-run controls - without receiver

## ROLL PRO SHUTTER AUTOMATION

-  VOLTAGE 230V
-  RESIDENTIAL
-  COLLECTIVE
-  MAX WEIGHT 300KG
-  IRREVERSIBLE
-  REVERSIBLE



| TECHNICAL FEATURES      | ROLL PRO 200 | ROLL PRO 240 | ROLL PRO 240 2M | ROLL PRO 200 2M |
|-------------------------|--------------|--------------|-----------------|-----------------|
| POWER SUPPLY            | 230VAC       | 230VAC       | 230VAC          | 230VAC          |
| LIFTING FORCE           | 180 KG       | 170 KG       | 300 KG          | 300 KG          |
| CONDENSER               | 16 UF        | 20 UF        | 35 UF           | 40 UF           |
| AVERAGE ABSORPTION      | 2 A          | 2,8 A        | 2X2.8 A         | 2X2.8 A         |
| ABSORBED POWER          | 400 W        | 600 W        | 2X600 W         | 2X600 W         |
| RPM CROWN               | 9 / MIN      | 8 / MIN      | 8 / MIN         | 8 / MIN         |
| MOTOR WEIGHT            | 8 KG         | 9 KG         | 11 KG           | 13 KG           |
| ENVIROMENTAL CONDITIONS | -20 / +85° C | -20 / +85° C | -20 / +85° C    | -20 / +85° C    |
| LIMIT SWITCH            | 7 / 8 MT     | 7 / 8 MT     | 7 / 8 MT        | 7 / 8 MT        |

### FEATURES

- New design
- Quick installation even on existing shutters
- Irreversible
- Manual release
- Electric brake
- Mechanical limit switch built-in, easy adjustable
- Fast, reliable and silent
- Power supply 230V

| MODEL                  | DIAMETER  | CROWN      |
|------------------------|-----------|------------|
| Roll Pro 200 180 kg    | 60/48 mm  | 200/220 mm |
| Roll Pro 200/2m 300 kg | 60/48 mm  | 200/220 mm |
| Roll Pro 240 170 kg    | 76/101 mm | 240 mm     |
| Roll Pro 240/2m 300 kg | 76/101 mm | 240 mm     |

## ROLLER SHUTTER AUTOMATIONS



PZ. PALLET  
800x1200x1300mm | 50pcs. 520KG

| CODE      | MOD             | DESCRIPTION  |
|-----------|-----------------|--|
| 100099/9  | ROLL PRO 200    | Shutter operator with electric brake 180 kg - Ø48-60             |
| 100099/5  | ROLL PRO 240    | Shutter operator with electric brake 170 kg - Ø76-101            |
| 100099/6  | ROLL PRO 240-2M | Shutter operator with electric brake 300 kg - Ø76-101 - 2 meters |
| 100099/7  | ROLL PRO 200-2M | Shutter operator with electric brake 300 kg - Ø48-60 - 2 meters  |
| RD33      | AD 33           | 33 mm adapter - pair   |
| RD42      | AD 42           | 42 mm adapter - pair   |
| RD48      | AD 48           | 48 mm adapter - pair   |
| 1000043/1 | ELT             | Electric brake with release cable                                |

• For better radio reception we recommend the use of an external aerial code 210/1

## EXTRA ACCESSORIES



CODE. S-0215-01  
Control board with built-in receiver and antenna



CODE. 12/C  
Pair of photocells



CODE. 198/5  
Key selector



CODE. 23/8  
LED flashing light



CODE. 23/4  
Wall fixing base for flasher



CODE. E010  
Remote control



CODE. 165B  
Warning sign



CODE. 854  
Lock with electrobrake release and push button aluminum cylinder europeo



CODE. 93370000  
Control board for the control of 2 hold-to-run motors - without receiver



CODE. 93330000  
Control board for the control of 4 hold-to-run motors - without receiver



CODE. 96050000  
Control board with low voltage hold-to-run controls - without receiver



CODE. 100004/1  
Electrobrake with release

## Roller Shutter and Awning Automations

Page.

**KINDI** 230V - MAX 350KG

86

**KENDA** WITH RESCUE MANEUVER 230V - MAX 350KG

87

Page.

**ACCESSORIES**

88

# ROLLER SHUTTER AND AWNING AUTOMATIONS



# KINDI AUTOMATION FOR ROLLER SHUTTERS AND AWINGS

 VOLTAGE 230V

 RESIDENTIAL

 WEIGHT UP TO 350 KG

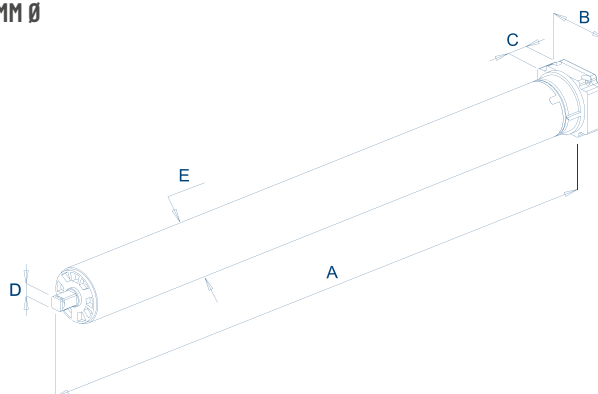


## TECHNICAL FEATURES

| MODELLO   | A      | B     | C     | D        |   | E       |
|-----------|--------|-------|-------|----------|---|---------|
| KINDI 20  | 456 MM | 55 MM | 17 MM | 10X10 MM | □ | 60 MM Ø |
| KINDI 30  | 536 MM | 55 MM | 17 MM | 10X10 MM | □ | 60 MM Ø |
| KINDI 50  | 536 MM | 55 MM | 17 MM | 10X10 MM | □ | 60 MM Ø |
| KINDI 120 | 660 MM | 70 MM | 21 MM | 30 MM Ø  | ○ | 70 MM Ø |
| KINDI 140 | 660 MM | 70 MM | 21 MM | 30 MM Ø  | ○ | 70 MM Ø |
| KINDI 300 | 660 MM | 70 MM | 21 MM | 30 MM Ø  | ○ | 92 MM Ø |

## FEATURES

- Operator in cast aluminum painted
- New design
- Mechanical limit switch
- Speed, silence and reliability
- Bracket and adapter 60/70 mm
- Wide range of adapters and accessories
- Extra 5 year warranty
- Power supply 230V
- Motor weight 3 kg



| CODE   | MOD          | DESCRIPTION  |
|--------|--------------|--|
| 12365  | KINDI 20 NM  | Tubular motor - shutters up to 36 kg - bracket and 60mm adapter  |
| 12458  | KINDI 30 NM  | Tubular motor - shutters up to 56 kg - bracket and 60mm adapter  |
| 125648 | KINDI 50 NM  | Tubular motor - shutters up to 90 kg - bracket and 60mm adapter  |
| 125655 | KINDI 120 NM | Tubular motor - shutters up to 150 kg - bracket and 70mm adapter |
| 125140 | KINDI 140 NM | Tubular motor - shutters up to 180 kg - bracket and 70mm adapter |
| 125300 | KINDI 300 NM | Tubular motor - shutters up to 350 kg - bracket and 92mm adapter |

# KENDA AUTOMATION FOR ROLLER SHUTTERS AND AWNINGS WITH EMERGENCY OPERATION

 VOLTAGE 230V

 RESIDENTIAL

 WEIGHT UP TO 350KG

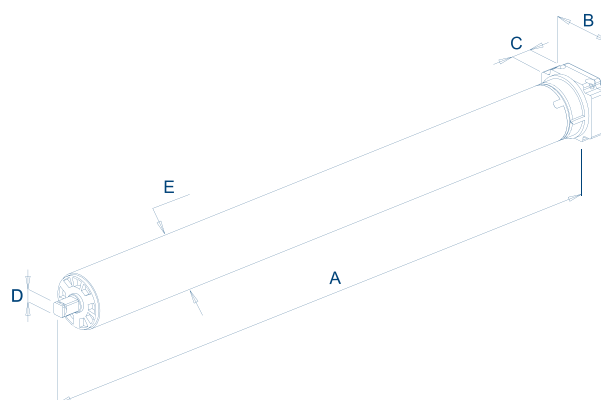


## TECHNICAL FEATURES

| MODELLO   | A      | B      | C     | D          |   | E       |
|-----------|--------|--------|-------|------------|---|---------|
| KENDA 50  | 660 MM | 70 MM  | 21 MM | 30 MM Ø    | □ | 45 MM Ø |
| KENDA 120 | 700 MM | 100 MM | 28 MM | 10X10 MM Ø | ○ | 60 MM Ø |
| KENDA 140 | 583MM  | 95MM   | 30MM  | 30MM Ø     | ○ | 30MM Ø  |
| KENDA 300 | 615MM  | 118MM  | 35MM  | 45MM Ø     | ○ | 45MM Ø  |

## FEATURES

- Die-cast aluminum gear motor painted
- New design
- Mechanical limit switch
- Speed, quietness and reliability
- Bracket and adapter 60/70/92 mm
- Wide range of adapters and accessories
- Extra warranty 5 years
- 230 V power supply
- Operator weight 3 KG



| CODE     | MOD          | DESCRIPTION   |
|----------|--------------|---|
| 43000/90 | KENDA 50 NM  | Tubular motor - With maneuver - Curtains up to 90kg min.adapter 70mm  |
| 125656   | KENDA 120 NM | Tubular motor - With maneuver - Curtains up to 150kg min.adapter 70mm |
| 125141   | KENDA 140 NM | Tubular motor - With maneuver - Curtains up to 180kg min.adapter 70mm |
| 125301   | KENDA 300 NM | Tubular motor - With maneuver - Curtains up to 350kg min.adapter 92mm |

# ROLLER SHUTTER AND AWNINGS ACCESSORIES



**CODE**      **DESCRIPTION**  
**AM5196**      Control Board - 230V - With Radio Receiver



**CODE**      **DESCRIPTION**  
**93330000**      Control Board for 4 Motors with Presence Detection - Without Radio Receiver



**CODE**      **DESCRIPTION**  
**PROXMINI**      Control Board - 230V - With Radio Receiver



**CODE**      **DESCRIPTION**  
**93370000**      Control Board for 2 Motors with Presence Detection - Without Radio Receiver



**CODE**      **DESCRIPTION**  
**1610111-MA1**      Roller Shutter Module for Single commands - Without Radio Receiver



**CODE**      **DESCRIPTION**  
**93070000**      Individual or Centralized Control Board for 4 Motors with Inputs for Wind, Sun, Rain Sensors - Without Receiver



| CODE | DESCRIPTION                                       |
|------|---|
| 76   | Control Board 230V - With Radio Receiver with box |



| CODE     | DESCRIPTION  |
|----------|--|
| 96800000 | 1 Electronic Control Unit with Anemometer and Sun Sensor - With Radio Receiver               |
| 96860000 | 2 Electronic Control Unit with Anemometer, Rain Sensor, and Sun Sensor - With Radio Receiver |



| CODE     | DESCRIPTION                              |
|----------|--|
| 12006363 | Transmitter - 1 Channel - With Display   |
| AM5154   | Transmitter - 6 Channels - With Display  |
| AM5189   | Transmitter - 12 Channels - With Display |



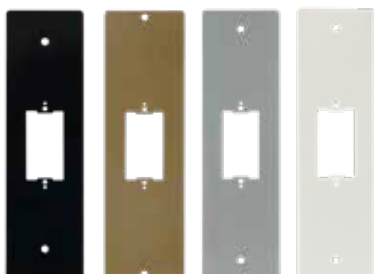
| CODE | DESCRIPTION                 |
|------|-----------------------------|
| 74   | Wind Speed Detection Device |



| CODE     | DESCRIPTION            |
|----------|------------------------|
| 91710005 | Transmitter 1 Channel  |
| 91720005 | Transmitter 3 Channels |
| 91730005 | Transmitter 6 Channels |



| CODE | DESCRIPTION                      |
|------|----------------------------------|
| RA   | 1 Ambient Light Detection Device |
| RS   | 2 Rain Detection Device          |



**CODE DESCRIPTION**

|                |  |
|----------------|--|
| <b>PLA142B</b> | Plate Button Hole - 142mm Center Distance Bronze |
| <b>PLA142G</b> | Plate Button Hole - 142mm Center Distance Gray   |
| <b>PLA142W</b> | Plate Button Hole - 142mm Center Distance White  |
| <b>PLA142N</b> | Plate Button Hole - 142mm Center Distance Black  |
| <b>PLA165B</b> | Plate Button Hole - 165mm Center Distance Bronze |
| <b>PLA165G</b> | Plate Button Hole - 165mm Center Distance Gray   |
| <b>PLA165W</b> | Plate Button Hole - 165mm Center Distance White  |
| <b>PLA165N</b> | Plate Button Hole - 165mm Center Distance Black  |
| <b>PLA185B</b> | Plate Button Hole - 185mm Center Distance Bronze |
| <b>PLA185G</b> | Plate Button Hole - 185mm Center Distance Gray   |
| <b>PLA185W</b> | Plate Button Hole - 185mm Center Distance White  |
| <b>PLA185N</b> | Plate Button Hole - 185mm Center Distance Black  |
| <b>PLA205B</b> | Plate Button Hole - 205mm Center Distance Bronze |
| <b>PLA205G</b> | Plate Button Hole - 205mm Center Distance Gray   |
| <b>PLA205W</b> | Plate Button Hole - 205mm Center Distance White  |
| <b>PLA205N</b> | Plate Button Hole - 205mm Center Distance Black  |



**CODE DESCRIPTION**

|               |                             |
|---------------|-----------------------------|
| <b>INT001</b> | Up-Down Button with Support |
|---------------|-----------------------------|



**CODE DESCRIPTION**

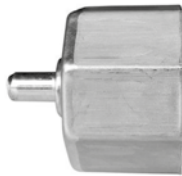
|                  |   |
|------------------|---|
| <b>PLA142B/C</b> | Blind Plate 142 mm Center Distance Bronze |
| <b>PLA142G/C</b> | Blind Plate 142 mm Center Distance Gray   |
| <b>PLA142W/C</b> | Blind Plate 142 mm Center Distance White  |
| <b>PLA142N/C</b> | Blind Plate 142 mm Center Distance Black  |
| <b>PLA165B/C</b> | Blind Plate 165 mm Center Distance Bronze |
| <b>PLA165G/C</b> | Blind Plate 165 mm Center Distance Gray   |
| <b>PLA165W/C</b> | Blind Plate 165 mm Center Distance White  |
| <b>PLA165N/C</b> | Blind Plate 165 mm Center Distance Black  |
| <b>PLA185B/C</b> | Blind Plate 185 mm Center Distance Bronze |
| <b>PLA185G/C</b> | Blind Plate 185 mm Center Distance Gray   |
| <b>PLA185W/C</b> | Blind Plate 185 mm Center Distance White  |
| <b>PLA185N/C</b> | Blind Plate 185 mm Center Distance Black  |
| <b>PLA205B/C</b> | Blind Plate 205 mm Center Distance Bronze |
| <b>PLA205G/C</b> | Blind Plate 205 mm Center Distance Gray   |
| <b>PLA205W/C</b> | Blind Plate 205 mm Center Distance White  |
| <b>PLA205N/C</b> | Blind Plate 205 mm Center Distance Black  |



| CODE               | DESCRIPTION                     |
|--------------------|---------------------------------|
| <b>GA3R608/1</b>   | Octagonal Roller Ø 60 - 1000 mm |
| <b>GA3R608/1,5</b> | Octagonal Roller Ø 60 - 1500 mm |
| <b>GA3R608/2</b>   | Octagonal Roller Ø 60 - 2000 mm |
| <b>GA3R70/2</b>    | Octagonal Roller Ø 70 - 2000 mm |
| <b>GA3R70/3</b>    | Octagonal Roller Ø 70 - 3000 mm |



| CODE          | DESCRIPTION            |
|---------------|------------------------|
| <b>AI70-1</b> | Adjustable Cap Ø 70 mm |
| <b>AI60-3</b> | Adjustable Cap Ø 60 mm |



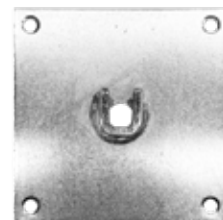
| CODE         | DESCRIPTION            |
|--------------|------------------------|
| <b>G41CF</b> | Galvanized Cap Ø 60 mm |



| CODE             | DESCRIPTION        |
|------------------|--------------------|
| <b>43380/110</b> | Adjustable Support |



| CODE         | DESCRIPTION     |
|--------------|-----------------|
| <b>G43CP</b> | PVC Cap Ø 70 mm |
| <b>G42CP</b> | PVC Cap Ø 60 mm |



| CODE             | DESCRIPTION  |
|------------------|--------------|
| <b>43380/111</b> | Wall Support |



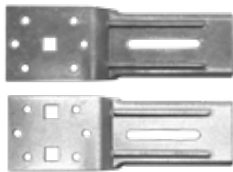
**CODE DESCRIPTION**

**43380/057** adjustable support



**CODE DESCRIPTION**

**1098/DS** Motor Head



**CODE DESCRIPTION**

**43380/102** Bracket for box one-position

**43380/101** Bracket for box two-position



**CODE DESCRIPTION**

**777/11** Wall Bracket

**777/12** Bearing for Wall Bracket



**CODE DESCRIPTION**

**43380/109** Flat Support with Square Pin



**CODE DESCRIPTION**

**G62CU** Bracket with Bearing



**CODE DESCRIPTION**

**43380/068** support with release



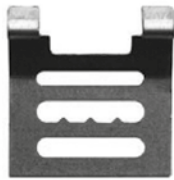
**GU68CU** Support with Bearing



**CODE** DESCRIPTION  
777/20 wall bracket



**CODE** DESCRIPTION  
GA8S60/4 Shutter lock Ø 60 mm



**CODE** DESCRIPTION  
777/15 galvanized hook



**CODE** DESCRIPTION  
777/18 Shutter lock  
777/19 Ring Ø 60 mm for Roller Shutter block



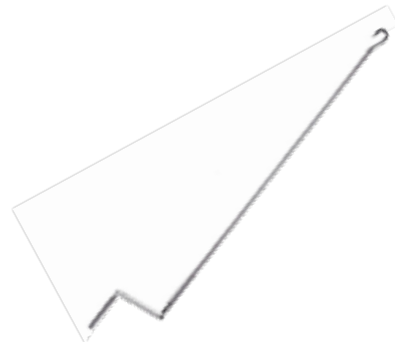
**CODE** DESCRIPTION  
VS178/F Anti-scratch attachment spring



**CODE** DESCRIPTION  
43380/116 7mm Hex Eyelet Kit



**CODE** DESCRIPTION  
GA8S70 Shutter lock Ø 70 mm



**CODE** DESCRIPTION  
140MKA Articulated maneuver rod with hook



**CODE**      **DESCRIPTION**  
**43381/061**      Octagonal Adapter Ø 60mm 15x10mm



**CODE**      **DESCRIPTION**  
**AD60-0G**      Ogive Adapter Ø 60



**CODE**      **DESCRIPTION**  
**43381/052**      Octagonal Adapter Ø 70mm 15x10mm



**CODE**      **DESCRIPTION**  
**43380/064**      Ogive Adapter Ø 70mm



**CODE**      **DESCRIPTION**  
**43381/053**      Star-shaped Octagonal Adapter 15x10mm



**CODE**      **DESCRIPTION**  
**43381/051**      Ogive Adapter Ø 78mm 15x10mm



| CODE  | DESCRIPTION                                    |
|-------|--|
| 71600 | Ogive Roller Ø 70 mm - Thickness 10/10 - Pcs/m |



| CODE  | DESCRIPTION                  |
|-------|------------------------------|
| 14035 | Adjustable Ogive Cap Ø 70 mm |
| 15035 | Adjustable Ogive Cap Ø 78 mm |



| CODE  | DESCRIPTION                                    |
|-------|--|
| 81600 | Ogive Roller Ø 78 mm - Thickness 10/10 - Pcs/m |



| CODE  | DESCRIPTION       |
|-------|-------------------|
| 14001 | Ogive Cap Ø 70 mm |
| 18001 | Ogive Cap Ø 78 mm |



# SKYLIGHTS, WINDOWS AND DOMES AUTOMATIONS



# MICRO + CHAIN OPERATOR

 VOLTAGE 230V

 RESIDENTIAL



## TECHNICAL FEATURES

|                              |                    |
|------------------------------|--------------------|
| THRUST                       | 250N MAX           |
| VOLTAGE                      | 110-240V           |
| POWER                        | 230V - 50HZ - 135W |
| STROKE SELECTABLE            | MAX 400MM          |
| LIMIT SWITCH OPENING CLOSING | ELECTRONIC         |
| PROTECTION DEGREE            | IP20               |
| MINIMUM SPEED                | 20 MM/S            |
| OPERATING TEMPERATURE        | -10° C + 40° C     |
| CERTIFICATIONS               | CE - VDE           |

## FEATURES

- Linear electric operator with double link articulated chain contained within a metal casing
- Equipped with an overload protection system and automatic magnetic limit switch adjustment in closing
- Equipped with a synchronization system that can coordinate the chain movement of multiple actuators
- Complete with accessories for installation on hinged windows or vasistas
- Possibility of stroke adjustment by magnet
- Soft stop closure to preserve the window

| CODE    | MOD          | DESCRIPTION   |
|---------|--------------|---|
| 2700810 | MICRO + 230V | Chain actuator - Black                                |
| 2700811 | MICRO + 230V | Chain actuator - Gray                                 |
| 2700812 | MICRO + 230V | Chain actuator - White                                |
| 6720004 | KH2R         | Control unit 2 outputs 230V Radio + Radio transmitter |
| 6720008 | KH6R         | Control unit 6 outputs 230V Radio + Radio transmitter |



CODE. 6720004 - 6720008  
Control board for controlling  
2 to 6 motors

# D8 FCE ELECTRIC LINEAR OPERATOR- STEM MOTOR

 VOLTAGE 230V

 RESIDENTIAL



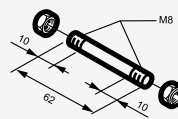
## TECHNICAL FEATURES

|                              |                |
|------------------------------|----------------|
| THRUST                       | 500N MAX       |
| POWER                        | 175W           |
| VOLTAGE                      | 230V AC 50HZ   |
| LIMIT SWITCH OPENING CLOSING | MICROSWITCH    |
| PROTECTION DEGREE            | IP55           |
| OPERATING TEMPERATURE        | -10° C + 60° C |
| CABLE                        | BLACK PVC      |
| CERTIFICATIONS               | CE - VDE       |

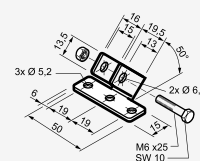
## FEATURES

- Rigid rod linear electric operator with high resistance to peak loads
- Operation with 230V AC 50Hz power supply
- Compliant with the relevant European Directives
- Equipped with limit switches and relays for parallel connection
- Built-in thermal protection
- Available color: silver anodized
- Complete with fixing accessories

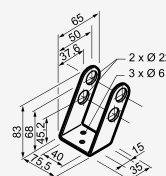
## ACCESSORIES



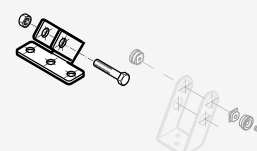
CODE. 2700102  
Front pin  
for sunshade versions



CODE. 2700064  
Front bracket for window  
frame



CODE. 2700124  
Silver actuator support  
bracket



CODE. 2700107  
Front frame bracket +  
actuator bracket accessories

| CODE    | MOD            | DESCRIPTION   |
|---------|----------------|---|
| 2700934 | D8-200         | Actuator stroke 200mm                                     |
| 2700933 | D8-300         | Actuator stroke 300mm                                     |
| 2713834 | D8-400         | Actuator stroke 400mm                                     |
| 2700102 | PERNO ANT      | Front pin for sunshade versions                           |
| 2700064 | STAFFA-ANT     | Front bracket for window frame                            |
| 2700124 | STAFFA-SUP     | Silver actuator support bracket                           |
| 2700107 | STAFFA-ANT-ACC | Front window frame bracket + actuator bracket accessories |
| 6720004 | KH2R           | Control unit 2 outputs 230V Radio + Radio transmitter     |
| 6720008 | KH6R           | Control unit 6 outputs 230V Radio + Radio transmitter     |



CODE. 6720004 -  
6720008  
Control board for  
controlling 2 to 6 motors

| <b>Turnstiles</b>                  | <b>Page.</b> |
|------------------------------------|--------------|
| <b>RIKI-20</b> <small>230V</small> | <b>102</b>   |
| <b>TRIPODE</b> <small>230V</small> | <b>104</b>   |

| <b>Automatic Doors</b>                | <b>Page.</b> |
|---------------------------------------|--------------|
| <b>VENTO</b> <small>230V</small>      | <b>105</b>   |
| <b>SPEED PLUS</b> <small>230V</small> | <b>106</b>   |
| <b>GEMINI</b> <small>230V</small>     | <b>1108</b>  |

|                    | <b>Page.</b> |
|--------------------|--------------|
| <b>ACCESSORIES</b> | <b>110</b>   |

# TURNSTILES AND AUTOMATIC DOORS AUTOMATIONS



# RIKI-20 AUTOMATIC TURNSTILE

 **VOLTAGE 230V**

 **RESIDENTIAL**

 **COLLECTIVE**

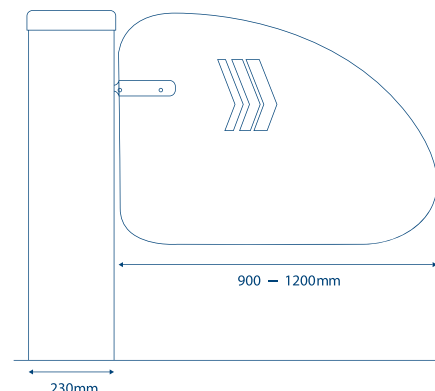
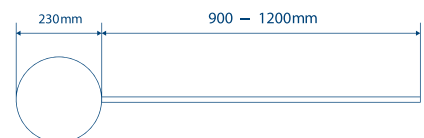
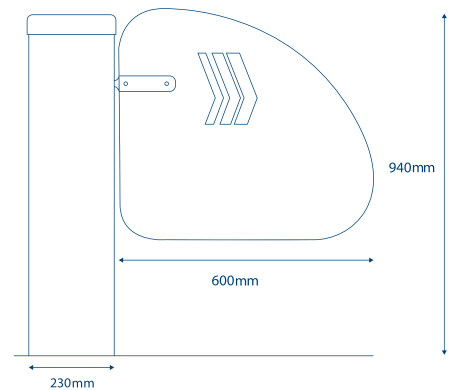
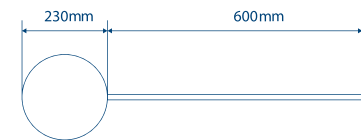


## TECHNICAL FEATURES

|                       |              |
|-----------------------|--------------|
| PROTECTION DEGREE     | IP44         |
| POWER SUPPLY          | 120 / 230VAC |
| MOTOR POWER SUPPLY    | 24 DC        |
| ABSORPTION (STANDBY)  | 350 MA       |
| ABSORBED POWER        | 120 W        |
| OPERATING TEMP. (° C) | -20 / +55    |
| MOTOR WEIGHT          | 25 KG        |
| OPENING TIME          | 2 - 3 SEC    |

## FEATURES

- AISI 304 stainless steel structure and polycarbonate leaf
- Integrated luminous crown: indicates suitability for entry and movement of the wing (red: stop - green: okay)
- Integration with access control: people counter system, temperature measurement system, detects mask. The opening of the leaf can also be activated by a card reader, by photocells or other control device
- The system can be interfaced with other automatic opening systems
- The leaf can be closed automatically or activated by device command (also via radio)
- The release maneuver can be carried out using a key
- Polycarbonate leaf is available in 3 sizes 600-900-1200 mm
- The system can work with buffer batteries allowing operation even in the event of a blackout black-out
- The system is equipped with an amperometric safety device controlled by an encoder: if you accidentally hit the leaf, it stops, goes back and then performs a slow maneuver to check for the absence of obstacles



## TURNSTILE

| CODE    | MOD        | DESCRIPTION   |
|---------|------------|---|
| RK020   | RIKI20-60  | Turnstile with 60 mm polycarbonate wing - LED light ring  |
| RK020/1 | RIKI20-90  | Turnstile with 90 mm polycarbonate wing - LED light ring  |
| RK020/2 | RIKI20-120 | Turnstile with 120 mm polycarbonate wing - LED light ring |

### EXTRA ACCESSORIES



CODE. RS020  
Hi-Security Thermal Monitor

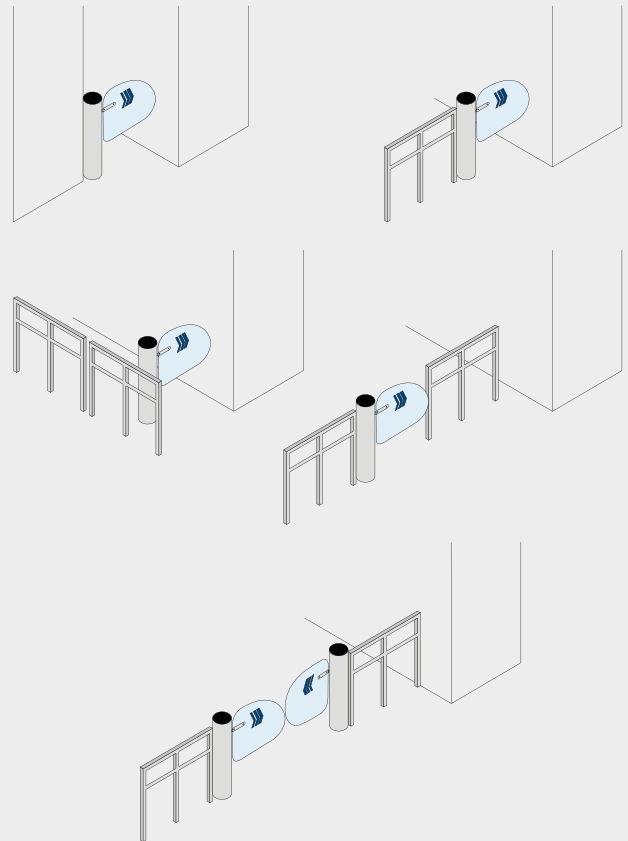


CODE. RT020  
Table bracket



CODE. RT021  
Floor bracket

### EXAMPLES OF APPLICATIONS



| CODE  | MOD     | DESCRIPTION                   |
|-------|---------|-------------------------------|
| RS020 | MONI-R  | Hi-Security thermal monitor   |
| RT020 | STAF-R  | Table bracket for Hi-Security |
| RT021 | STAF-PR | Floor bracket for Hi-Security |

# TRIPODE AUTOMATIC TRIPOD VERTICAL TURNSTILE

 VOLTAGE 230V

 COLLECTIVE

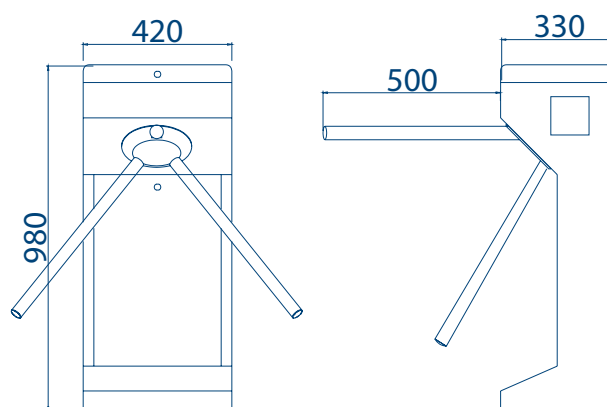


## TECHNICAL FEATURES

|                     |               |
|---------------------|---------------|
| PROTECTION DEGREE   | IP56          |
| POWER SUPPLY        | 230V          |
| ABSORBED POWER      | 60W           |
| PASSAGE WIDTH       | 500MM         |
| WORKING TEMPERATURE | -25°C / +55°C |
| MINUTE PASSAGE      | 35 PEOPLE/MIN |

## FEATURES

- Tripoid turnstile with smooth, quiet operation and low power consumption
- Possibility to place sensors on both sides of the device, so that access can be made in either direction
- 304 stainless steel shell
- Arm length 510mm
- Prepared for badge access (Optional)



## TURNSTILE

| CODE    | MOD     | DESCRIPTION               |
|---------|---------|---------------------------|
| 1309191 | TRIPODE | Vertical tripod turnstile |

# VENTO AUTOMATION FOR SWING DOORS

 VOLTAGE 230V

 COLLECTIVE

 RESIDENTIAL



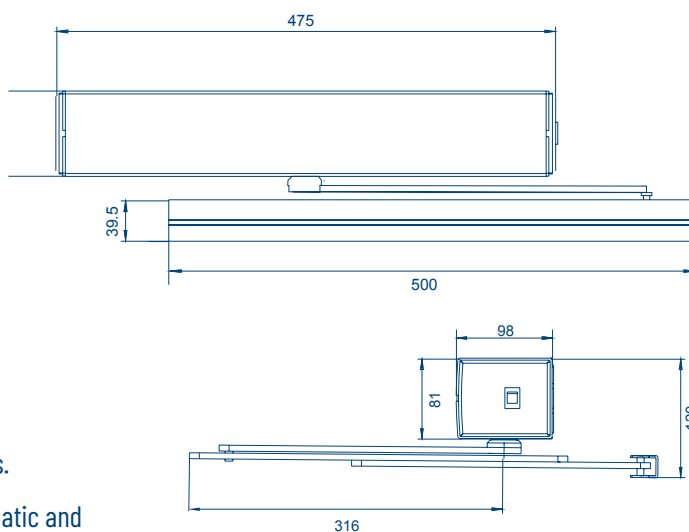
Supports electric lock

## TECHNICAL FEATURES

|                       |                 |
|-----------------------|-----------------|
| POWER SUPPLY          | 230V - 50HZ     |
| POWER                 | CA 100V -240V   |
| TEMP. EXERCISE        | -20 C° / +55 C° |
| MOTOR WEIGHT          | 5.5 KG          |
| DOOR WEIGHT           | MAX 200KG       |
| OPENING/CLOSING TIME  | 3-7 SEC/90°     |
| DEGREE OF PROTECTION  | IP21            |
| MAXIMUM OPENING ANGLE | 110°            |

## FEATURES

- Suitable for wooden doors, metal doors and framed doors.
- Frameless door must be installed with glass clamp
- The door opener can be activated in manual, semi-automatic and automatic modes.
- Adjustable speed/opening time/degree of opening/closing force
- Door width: ≤ 1200mm
- Door weight: ≤ 200 kg
- Universal arm installation: inward opening (pull arm) / outward opening (push arm)
- Voltage: AC100V-240V, output 24 DC
- Control unit with LCD display
- Including 2 radio controls (standard);
- Optional Accessories: wireless button, access keypad
- Connectable to fire system
- Automatically programmable opening based on flow
- Run times: about 2 million times
- High-speed 1.55 W brushless DC motor, long life, low noise



## KIT

| CODE    | MOD       | DESCRIPTION  |
|---------|-----------|--|
| SW150   | KIT VENTO | Swing door opener 1 leaf + 2 TX + 1 Control unit + accessories   |
| SW150-2 | KIT VENTO | Swing door opener 2 leaves + 2 TX + 1 Control unit + accessories |

# SPEED PLUS SLIDING DOOR AUTOMATION

 VOLTAGE 230V

 COLLECTIVE

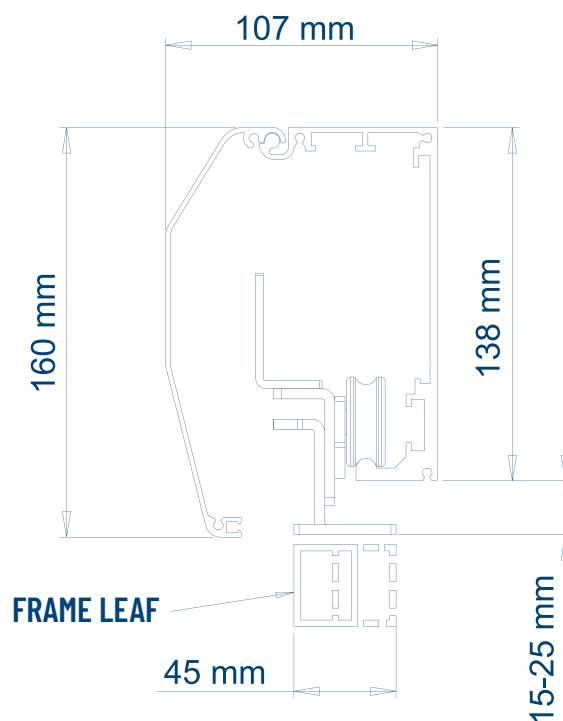


## TECHNICAL FEATURES

|                                   |              |
|-----------------------------------|--------------|
| POWER SUPPLY                      | 230V         |
| ABSORBED POWER                    | 100W         |
| AVERAGE ABSORPTION                | 2A           |
| EXTERNAL ACCESSORY POWER SUPPLY   | 24VDC        |
| SINGLE DOOR MAX CAPACITY          | 200KG        |
| DOUBLE LEAF LENGHT UP TO CAPACITY | 140KG+140KG  |
| WEIGHT                            | 4KG/MT       |
| NOISE LEVEL                       | <30DB        |
| OPERATING TEMPERATURE             | - 20°C\+55°C |
| PROTECTION DEGREE                 | IP44         |

## FEATURES

- Reversible 1 motor automation for sliding doors
- Suitable for offices, supermarkets and high traffic shops
- Quick and silent movement
- Quick and easy installation
- Motor group with 100 pulses optical encoder
- Remote programming via digital selector
- Safety tests
- Interlock function
- Air curtain management
- Battery backup (optional) 12V 1.2 Ah



**Complies with  
EN16005**

## COVERALL 1 LEAF, MAXIMUM WEIGHT 200 KG

| CODE     | LENGTH COVERALL (MM) | NET PASSAGE (MM) | LEAF LENGTH (MM) |
|----------|----------------------|------------------|------------------|
| 501/1370 | 1370                 | 500              | 700              |
| 501/1570 | 1570                 | 600              | 800              |
| 501/1770 | 1770                 | 700              | 900              |
| 501/1970 | 1970                 | 800              | 1000             |
| 501/2370 | 2370                 | 1000             | 1200             |
| 501/2770 | 2770                 | 1200             | 1400             |
| 501/3170 | 3170                 | 1400             | 1600             |
| 501/3570 | 3570                 | 1600             | 1800             |
| 501/3970 | 3970                 | 1800             | 2000             |
| 501/4370 | 4370                 | 2000             | 2200             |
| 501/4770 | 4770                 | 2200             | 2400             |
| 501/5170 | 5170                 | 2400             | 2600             |
| 501/5570 | 5570                 | 2600             | 2800             |
| 501/5970 | 5970                 | 2800             | 3000             |

## COVERALL 2 LEAFS, MAXIMUM WEIGHT 140KG+140KG

| CODE     | LENGTH COVERALL (MM) | NET PASSAGE (MM) | LEAF LENGTH (MM) |
|----------|----------------------|------------------|------------------|
| 502/1720 | 1720                 | 700              | 2 x 450          |
| 502/1920 | 1920                 | 800              | 2 x 500          |
| 502/2320 | 2320                 | 1000             | 2 x 600          |
| 502/2720 | 2720                 | 1200             | 2 x 700          |
| 502/3120 | 3120                 | 1400             | 2 x 800          |
| 502/3520 | 3520                 | 1600             | 2 x 900          |
| 502/3920 | 3920                 | 1800             | 2 x 1000         |
| 502/4320 | 4320                 | 2000             | 2 x 1100         |
| 502/4720 | 4720                 | 2200             | 2 x 1200         |
| 502/5120 | 5120                 | 2400             | 2 x 1300         |
| 502/5520 | 5520                 | 2600             | 2 x 1400         |
| 502/5920 | 5920                 | 2800             | 2 x 1500         |

# GEMINI ADVANCE SLIDING DOOR AUTOMATION

 VOLTAGE 230V

 COLLECTIVE

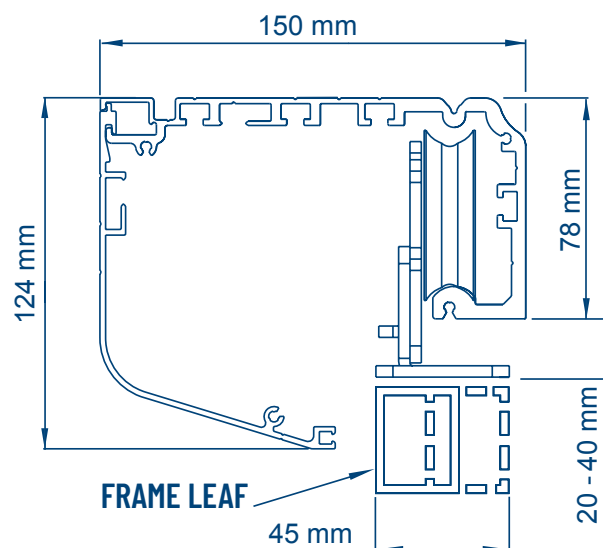


## TECHNICAL FEATURES

|                                   |             |
|-----------------------------------|-------------|
| POWER SUPPLY                      | 230V        |
| ABSORBED POWER                    | 100W        |
| AVERAGE ABSORPTION                | 2A          |
| EXTERNAL ACCESSORY POWER SUPPLY   | 24VDC       |
| SINGLE DOOR MAX CAPACITY          | 250KG       |
| DOUBLE LEAF LENGTH UP TO CAPACITY | 150KG+150KG |
| WEIGHT                            | 4KG/MT      |
| NOISE LEVEL                       | <30DB       |
| OPERATING TEMPERATURE             | -20°C\+55°C |
| PROTECTION DEGREE                 | IP44        |

## FEATURES

- Reversible 1 motor automation for sliding doors
- Suitable for offices, supermarkets and high traffic shops
- Quick and silent movement
- Quick and easy installation
- Motor group with 100 pulses optical encoder
- Remote programming via digital selector
- Safety tests
- Interlock function
- Air curtain management
- Battery Backup (optional) 12V 1.2 Ah



## COVERALL 1 LEAF, MAXIMUM WEIGHT 250 KG

| CODE     | LENGTH COVERALL (MM) | NET PASSAGE (MM) | LEAF LENGTH (MM) |
|----------|----------------------|------------------|------------------|
| 607/1370 | 1370                 | 600              | 700              |
| 607/1570 | 1570                 | 700              | 800              |
| 607/1770 | 1770                 | 800              | 900              |
| 607/1970 | 1970                 | 900              | 1000             |
| 607/2370 | 2370                 | 1100             | 1200             |
| 607/2770 | 2770                 | 1300             | 1400             |
| 607/3170 | 3170                 | 1500             | 1600             |
| 607/3570 | 3570                 | 1700             | 1800             |
| 607/3970 | 3970                 | 1900             | 2000             |
| 607/4370 | 4370                 | 2100             | 2200             |
| 607/4770 | 4770                 | 2300             | 2400             |
| 607/5170 | 5170                 | 2500             | 2600             |
| 607/5570 | 5570                 | 2700             | 2800             |
| 607/5970 | 5970                 | 2900             | 3000             |

## CROSSBAR 2 LEAFS, MAXIMUM WEIGHT 150KG+150KG

| CODE     | LENGTH COVERALL (MM) | NET PASSAGE (MM) | LEAF LENGTH (MM) |
|----------|----------------------|------------------|------------------|
| 608/1720 | 1720                 | 800              | 2 x 450          |
| 608/1920 | 1920                 | 900              | 2 x 500          |
| 608/2320 | 2320                 | 1100             | 2 x 600          |
| 608/2720 | 2720                 | 1300             | 2 x 700          |
| 608/3120 | 3120                 | 1500             | 2 x 800          |
| 608/3520 | 3520                 | 1700             | 2 x 900          |
| 608/3920 | 3920                 | 1900             | 2 x 1000         |
| 608/4320 | 4320                 | 2100             | 2 x 1100         |
| 608/4720 | 4720                 | 2300             | 2 x 1200         |
| 608/5120 | 5120                 | 2500             | 2 x 1300         |
| 608/5520 | 5520                 | 2700             | 2 x 1400         |
| 608/5920 | 5920                 | 2900             | 2 x 1500         |

## ACCESSORIES FOR AUTOMATIC DOORS



**CODE**      **DESCRIPTION**  
**64/F**      Multifunction Selector with Display



**CODE**      **DESCRIPTION**  
**MTTS**      Capacitive Touch Button in Aluminum Backlit Red/ Green



**CODE**      **DESCRIPTION**  
**604/D**      Multifunction Digital Touch Selector



**CODE**      **DESCRIPTION**  
**100074/16**      ACTIR - Active Infrared Detector



**CODE**      **DESCRIPTION**  
**604**      Multifunction touch digital selector with key



**CODE**      **DESCRIPTION**  
**100074/21**      HR50 - Omnidirectional Microwave Sensor



**CODE**      **DESCRIPTION**  
**12/TS**      TOUCH - Touch Switch



**CODE**      **DESCRIPTION**  
**100074-I**      HR50ECO - Omnidirectional Microwave Sensor



**CODE DESCRIPTION**

**100074/22** HR100 - Infrared sensor for activation and detection safety - Compliant with the EN16005 standard



**CODE DESCRIPTION**

**CR10MS** Pair of Photocells to be combined with the amplifier

**PT01-Z** Plastic Support for Photocell



**CODE DESCRIPTION**

**100074/ECO** HR100ECO - Infrared sensor for activation and detection safety - Compliant with the EN16005 standard



**CODE DESCRIPTION**

**608** Crystal Door Support Profile (Price per meter)



**CODE DESCRIPTION**

**IXIO-DT3** Microwave sensor for activation and active infrared for safety - Compliant with standard EN16005 - DN18650



1

2

**CODE DESCRIPTION**

**100074/T1** 1 Floor Guide for Glass Door

**0049** 2 Floor Guide



**CODE DESCRIPTION**

**FOT09S1A** Amplifier for 1 Pair of Photocells

**FOT09S2A** Amplifier for 2 Pairs of Photocells



**CODE DESCRIPTION**

**MBF30** PVC Profile for Glass Narrow Version 10mm 3m

**MBP30** PVC Profile for Glass Wide Version 10mm 3m



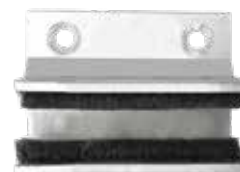
| CODE  | DESCRIPTION                          |
|-------|--------------------------------------|
| 614   | Complete Speed Electromagnetic Lock  |
| 614/1 | Complete Gemini Electromagnetic Lock |



| CODE | DESCRIPTION   |
|------|---|
| DG01 | Adjustable Floor Guide from 17 to 42.8mm with Wheel   |
| DG02 | Adjustable Floor Guide from 38.9 to 65.5mm with Wheel |



| CODE  | DESCRIPTION                      |
|-------|----------------------------------|
| 611   | 1 Door Partial Antipanic System  |
| 612   | 1 Doors Partial Antipanic System |
| 613   | Battery Backup System for Speed  |
| 613/1 | Battery Backup System for Gemini |



| CODE | DESCRIPTION                                   |
|------|---|
| DG03 | Floor Guide for Glass Door Max Thickness 15mm |



| CODE   | DESCRIPTION                               |
|--------|---|
| 122002 | Spare strap at meter for Speed and Gemini |



| CODE | DESCRIPTION                                       |
|------|---|
| DG05 | Floor Guide for Glass Door Thickness 8/10/12/14mm |



**CODE**      **DESCRIPTION**  
**PB22**      Infrared Touch Sensor



**CODE**      **DESCRIPTION**  
**PB01**      Steel Door Open Button



**CODE**      **DESCRIPTION**  
**PUSH/ECO**      Door Open Button



**CODE**      **DESCRIPTION**  
**PB02**      Steel Door Open Button



**CODE**      **DESCRIPTION**  
**PB11**      Door Open Button

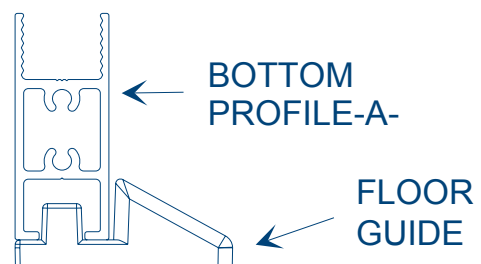
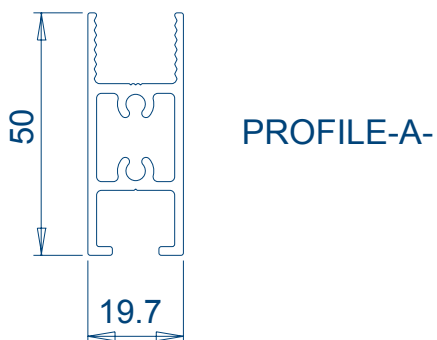
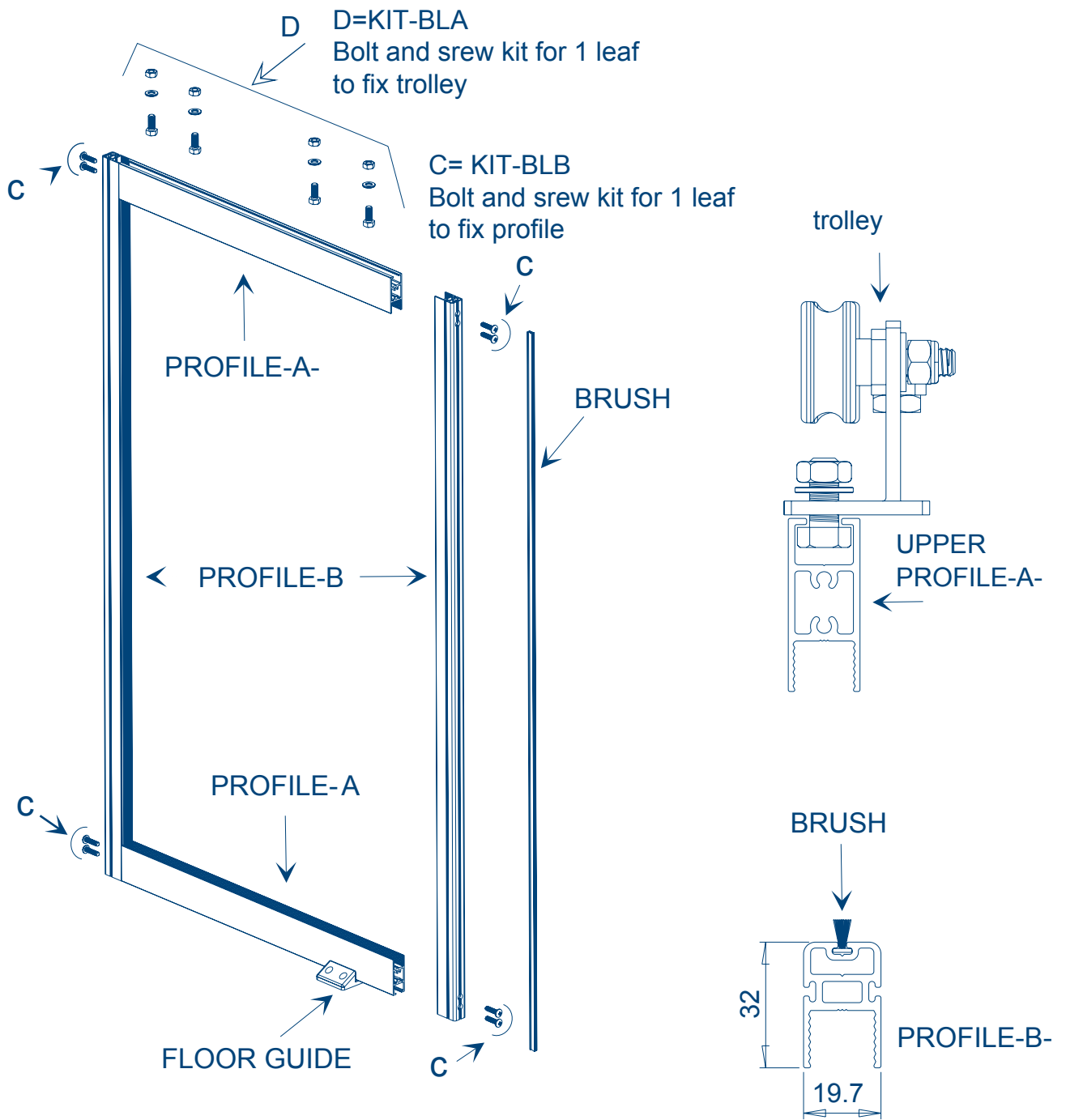


**CODE**      **DESCRIPTION**  
**PB09**      Door Open Button

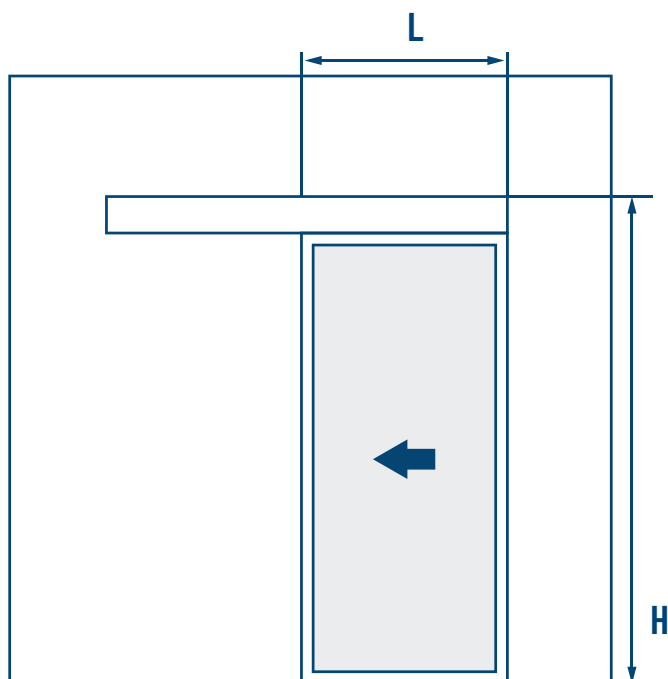
## DOOR FRAMES PROFILE



| CODE           | DESCRIPTION                                    |
|----------------|--|
| <b>PF007</b>   | PROF-A - Horizontal Aluminum Door Profile - 1m |
| <b>PF006</b>   | PROF-B - Vertical Aluminum Door Profile - 1m   |
| <b>0049</b>    | GUI-1 - Floor Guide                            |
| <b>0051</b>    | BRUSH - Brush - 1m                             |
| <b>KIT-BLA</b> | Accessories Kit for Speed-Gemini Mobile Door   |
| <b>KIT-BLB</b> | Door/Frame Mounting Kit VDS                    |
| <b>0051/G</b>  | Glass Stop Gasket                              |

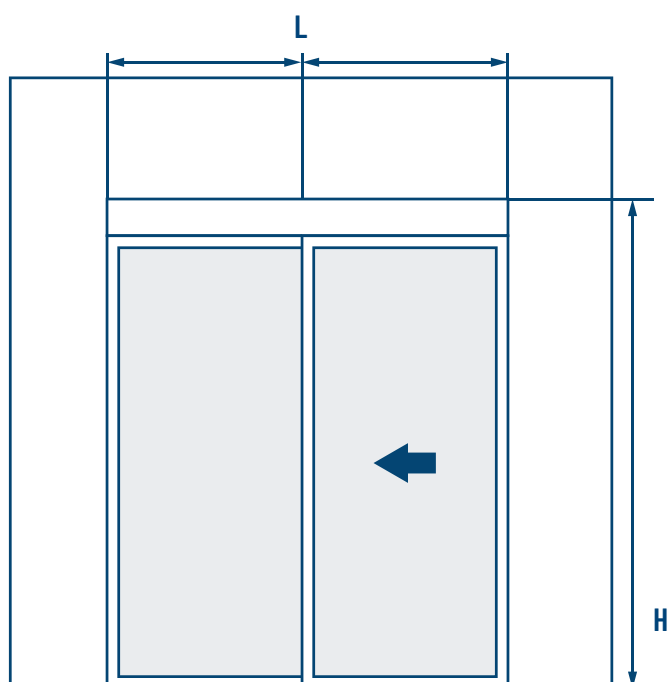


## COMPLETE WINDOWS AND DOORS



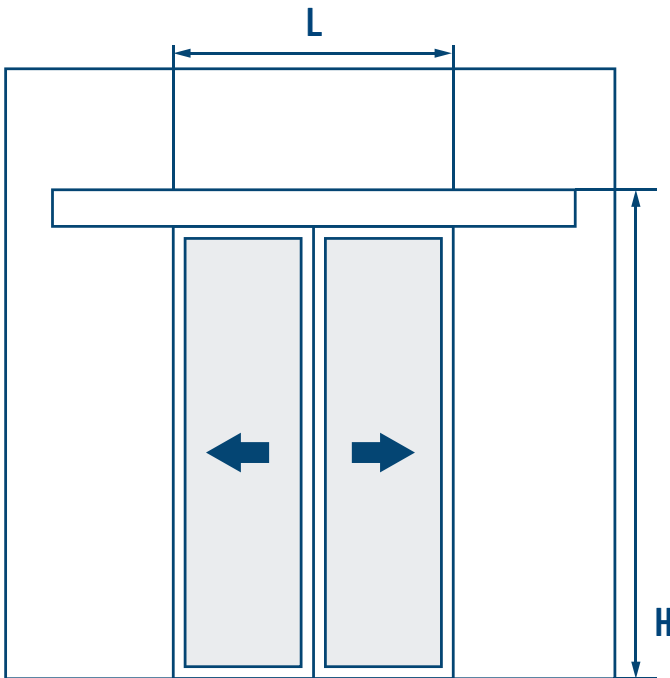
**ENTRANCE HALL WITH 1 SLIDING DOOR  
(LEFT OR RIGHT OPENING)**

| DESCRIPTION  | L MM | H 3450-4000MM    |
|--|------|------------------|
| Complete entrance door frame made with automation profiles | 1000 | PRICE ON REQUEST |
| supplied pre-assembled                                     | 1200 | PRICE ON REQUEST |
| and with gaskets for glass                                 | 1600 | PRICE ON REQUEST |
|  | 2000 | PRICE ON REQUEST |



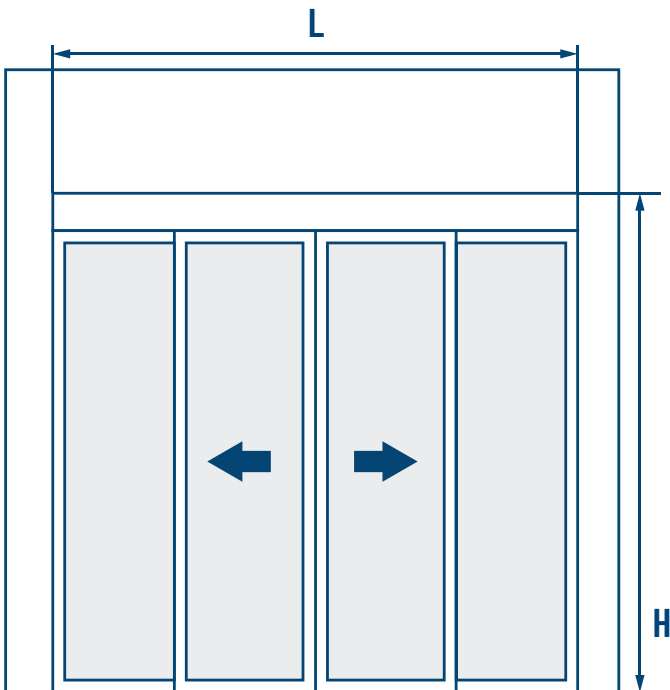
**ENTRANCE WITH 1 SLIDING DOOR + 1 FIXED SIDE DOOR  
(LEFT OR RIGHT OPENING)**

| DESCRIPTION  | L MM | H 3450-4000MM    |
|--|------|------------------|
| Complete entrance door frame made with automation profiles | 1000 | PRICE ON REQUEST |
| supplied pre-assembled                                     | 1600 | PRICE ON REQUEST |
| and with gaskets for glass                                 | 2000 | PRICE ON REQUEST |
|  | 3000 | PRICE ON REQUEST |



### ENTRANCE WITH 2 SLIDING DOORS

| DESCRIPTION  | L MM | H 3450-4000MM    |
|--|------|------------------|
| Complete entrance door frame made with automation profiles supplied pre-assembled and with gaskets for glass | 1200 | PRICE ON REQUEST |
|  | 1600 | PRICE ON REQUEST |
|  | 2000 | PRICE ON REQUEST |
|  | 2600 | PRICE ON REQUEST |
|  | 3000 | PRICE ON REQUEST |



### ENTRANCE WITH 2 SLIDING DOORS + 2 FIXED SIDE DOORS

| DESCRIPTION  | L MM | H 3450-4000MM    |
|--|------|------------------|
| Complete entrance door frame made with automation profiles supplied pre-assembled and with gaskets for glass | 2000 | PRICE ON REQUEST |
|  | 3000 | PRICE ON REQUEST |
|  | 4000 | PRICE ON REQUEST |
|  | 5000 | PRICE ON REQUEST |

| <b>Accessories</b>                        | <b>Page.</b> |
|---|--------------|
| <b>CONTROL BOARD</b>                      | <b>120</b>   |
| <b>RADIO SYSTEMS</b>                      | <b>122</b>   |
| <b>ACCESS CONTROL</b>                     | <b>124</b>   |
| <b>SECURITY AND DETECTION DEVICES</b>     | <b>128</b>   |
| <b>SIGNALING ACCESSORIES</b>              | <b>134</b>   |
| <b>MECHANICAL AND GENERAL ACCESSORIES</b> | <b>136</b>   |

## ACCESSORIES



# CONTROL BOARD



| CODE | DESCRIPTION   |
|------|---|
| E105 | EURO 230 M2 - Control Board 230VAC - In Box - Management of Swing Gates with 1/2 Motors - Self-learning Receiver - Rolling Code and Fixed Code Management Selectable with Switch - Electric Limit Switch Management - Slowdown / Pedestrian Opening |



| CODE | DESCRIPTION  |
|------|--|
| F103 | ELB 24 M2 - Control Board 24VAC - In Box - Management of Swing Gates with 1/2 Motors - Self-learning Receiver - Rolling Code and Fixed Code Management Selectable with Switch - Electric Limit Switch Management - Slowdown / Pedestrian Opening |



| CODE | DESCRIPTION   |
|------|---|
| E107 | EURO 380 M1 - Control Board 230 / 380 VAC - In Box - Management of Sliding Gates - Rolling Code and Fixed Code Management Selectable with Switch - Without Receiver |



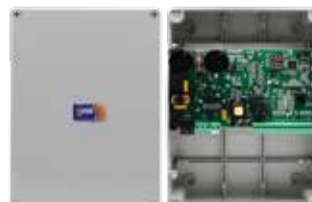
| CODE     | DESCRIPTION   |
|----------|---|
| 94740000 | Electronic Module for Upgrading New or Existing Systems - European Regulation Stand-by 2023/826 |



| CODE   | DESCRIPTION  |
|--------|--|
| E102   | EURO 230 M1 - Control Board 230VAC - Management of Sliding Gates, Barriers, Overhead Doors - Self-learning Receiver - Rolling Code and Fixed Code Management Selectable with Switch - Electric Limit Switch Management - Slowdown / Pedestrian Opening - Without Box |
| E102-I | Sliding Gate Control Unit 230V ECO   |



| CODE   | DESCRIPTION  |
|--------|--|
| E103-I | EURO 24 M1 - Control Board 24VDC - Management of Sliding Gates, Barriers, Overhead Doors - Self-learning Receiver - Rolling Code and Fixed Code Management Selectable with Switch - Electric Limit Switch Management - Slowdown / Pedestrian Opening - Without Box |



| CODE | DESCRIPTION  |
|------|--|
| Q100 | INVERTER - Control Board 230VAC - In Box - Sliding Gates Management - Speed and Force Adjustment with Display - Amperometric Sensitivity and Presence Detection - Without Receiver |



| CODE   | DESCRIPTION  |
|--------|--|
| Q100-I | Control Board for Espresso Line - Sliding Gates - INVERTER - Control Board 230VAC - Speed and Force Adjustment with Display - Amperometric Sensitivity and Presence Detection - Motor Management up to 0.75 KW |



| CODE   | DESCRIPTION   |
|--------|---|
| CSER1R | ROLLY -Control board 230VAC -In box - Rolling Shutters - Self-learning radio receiver - Rolling-code and fix code - Flashing, courtesy light - Hold-to-run function |



| CODE  | DESCRIPTION  |
|-------|--|
| 480   | Transformer 100 VA - 230/24VAC - Toroidal - For Bev2 / Berta / Carrera |
| TR006 | Transformer 150 VA - 230/20 VAC - Toroidal - For Gemini                |



| CODE      | DESCRIPTION  |
|-----------|--|
| S-0215-01 | MINI - Control board 230VAC - In box - Rolling Shutters - Self-learning radio receiver - Rolling-code and fix code - Flashing, courtesy light - Hold-to-run function - LED light included in the box |



| CODE  | DESCRIPTION  |
|-------|--|
| 478/1 | Transformer 100 VA - 230/24VAC - Lamellar for Utile 70 / Simply  |
| 478/P | Transformer 140 VA - 230/24VAC - Lamellar for Utile 100 / Riki20 |
| TR003 | Transformer 150 VA - 230/20 VAC - Lamellar for Speed Plus - F103 |



| CODE   | DESCRIPTION  |
|--------|--|
| G030-1 | AT070 - Control Board 24VDC - For Utile - Management of Sectional and Overhead Doors - Self-learning Receiver - Rolling Code Management - LED Courtesy Light |

1



| CODE   | DESCRIPTION  |
|--------|--|
| ALA1   | (1) 3VA terminal block power supply with 230VAC input and 24VAC output - For photocells and flashers |
| FA12VD | (2) Fixed terminal block power supply with 230V input and 12V output - 36W for photocells            |

2



| CODE         | DESCRIPTION  |
|--------------|--|
| SUNPOWER-RXF | Power Kit with 2 Solar Panels used for all 24VDC Automations |



| CODE   | DESCRIPTION  |
|--------|--|
| DUALR3 | Smart switch 2 channel - Control devices via smartphone/voice commands: lights, appliances, blinds, curtains |



| CODE   | DESCRIPTION  |
|--------|--|
| MINI-D | Clean contact relay Wifi Matter Remote Control - Garage doors, motors, boilers, HVAC systems |

# RADIO SYSTEMS



**TX01**



**TX02**



| CODE        | DESCRIPTION   |
|-------------|---|
| <b>TX01</b> | MULTI2 - 2-channels transmitter - 433.92 MHz - Copyable - Rolling code - Fixed code |
| <b>TX02</b> | MULTI4 - 4-channels transmitter - 433.92 MHz - Copyable - Rolling code - Fixed code |

| CODE         | DESCRIPTION  |
|--------------|--|
| <b>164/1</b> | Remote control copy frequency meter - Digital menu 90 x 57 x 20 mm |



| CODE        | DESCRIPTION  |
|-------------|--|
| <b>TX-E</b> | 4-channel remote control - 433.92 MHz - Rolling code |



| CODE                | DESCRIPTION   |
|---------------------|---|
| <b>RX2-MINI-433</b> | Mini radio receiver 433.92 MHz - 2 channels self-learning |



| CODE        | DESCRIPTION   |
|-------------|---|
| <b>E010</b> | ECO-R - 5-channel remote control- 433.92 MHz - Rolling code |



| CODE        | DESCRIPTION   |
|-------------|---|
| <b>E002</b> | SMR24C2 - External radio receiver in box 433mHz - 2 channels - 12/24VCC - Rolling code with antenna |
| <b>E003</b> | SMR220C2 -External radio receiver in box 433 mHz - 2 channels - 230VAC - Rolling code with antenna  |



| CODE    | DESCRIPTION   |
|---------|---|
| E001    | SMR220C4 - External radio receiver in box 433 mHz - 4 channels - 230VCC - Rolling code with antenna |
| R04C433 | Rx4 receiver 4 channels fixed codes - Outdoor rolling code with box                                 |



| CODE  | DESCRIPTION                                     |
|-------|---|
| 210/1 | Aerial with 4,50 mt cable and bracket - 433 mHz |
| 189/1 | Replacement cable                               |



| CODE | DESCRIPTION  |
|------|--|
| E062 | SRT-MINI - Plug-in receiver 433 MHz - 1 channel - Rolling code |



| CODE      | DESCRIPTION   |
|-----------|---|
| 519/0020* | 4-channel receiver with antenna - Range 1KM         |
| 519/0025* | 4-channel transmitter with external antenna max 5KM |



| CODE | DESCRIPTION   |
|------|---|
| E142 | External radio receiver in box 433 mHz - 1 channel - 12/24VCC - Small size - With antenna |



| CODE      | DESCRIPTION  |
|-----------|--|
| 519/0022* | 4-channel transmitter radio link 1KM bidirectional |

\*  
519/0020 + 519/0025 = Increased radius up to 5Km  
519/0020 + 519/0022 = Increased radius up to 1Km

## ACCESS CONTROL



| CODE         | DESCRIPTION               |
|--------------|---------------------------|
| <b>SPROX</b> | Proximity reader          |
| <b>SKEY</b>  | Key for TAG reader 1      |
| <b>E001</b>  | External receiver for TAG |

| CODE           | DESCRIPTION   |
|----------------|---|
| <b>INOX-SA</b> | Metallic keyboard Slim line grey / chrome stand alone - 1 relay - 12/24V - IP65 |



| CODE             | DESCRIPTION   |
|------------------|---|
| <b>MTPADS-SA</b> | Standalone keypad with proximity reader 1000 user codes 1 relay - 12/24V - IP65 - 125 Hz Aluminum |

| CODE         | DESCRIPTION  |
|--------------|--|
| <b>VKP99</b> | Stand alone keypad with proximity reader - 1 relay - 12/24V - IP65 |



| CODE                  | DESCRIPTION  |
|-----------------------|--|
| <b>MTPADPBK-EH-SA</b> | Standalone keypad with proximity reader 1000 user codes 1 relay - 12/24V - IP65 - 125 Hz |

| CODE            | DESCRIPTION  |
|-----------------|--|
| <b>MINI-SA2</b> | Standalone proximity reader - 1 relay - 12/24V - IP65 - 125 Hz |
| <b>MC-MINI</b>  | Single stainless steel cover for readers                       |



| CODE                   | DESCRIPTION   |
|------------------------|---|
| <b>EASYNEW-DIGIKEE</b> | KEYPAD - Vandal-proof cable keypad - IP67 protection degree - 30 codes - 12V AC DC power supply |



| CODE           | DESCRIPTION  |
|----------------|--|
| <b>ANT1</b>    | Hands-free system kit for vehicles and people 1 GATE - composed of 1 Trigger with activation input - 1 Receiver 868 MHz - 1 Tag Transmitter                  |
| <b>ANT2</b>    | Hands-free system kit for vehicles and people 2 GATES - composed of 2 Triggers with activation input - 1 Receiver 868 MHz - 1 Tag Transmitter. Entrance/exit |
| <b>1000925</b> | Tag transmitter  |



| CODE          | DESCRIPTION   |
|---------------|---|
| <b>KEY-98</b> | Wireless touch keypad - Backlit - IP64 - 2 channels with receiver |



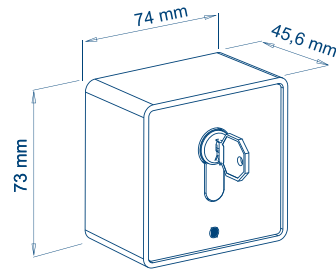
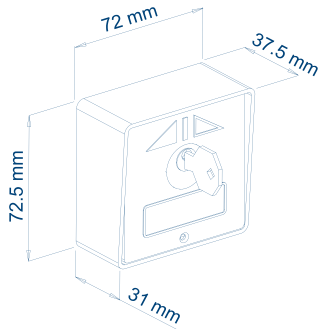
| CODE            | DESCRIPTION   |
|-----------------|---|
| <b>1434/2</b>   | Gate opening GSM module - 2 channels - With antenna |
| <b>G202PLUS</b> | Smart GSM 4G relay gate opener module - 9/24V DC    |



| CODE           | DESCRIPTION                         |
|----------------|-------------------------------------|
| <b>DKS1000</b> | Keypad + interface kit for commands |

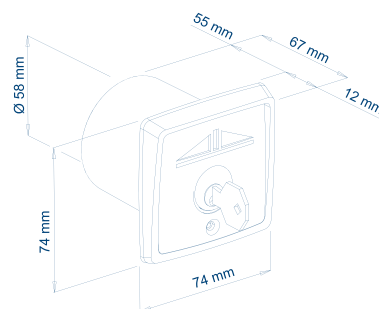
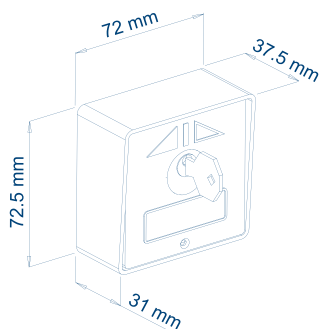


| CODE         | DESCRIPTION      |
|--------------|------------------|
| <b>CA001</b> | 125 kHz card     |
| <b>BA001</b> | 125 kHz key fob  |
| <b>FA001</b> | 125 kHz bracelet |



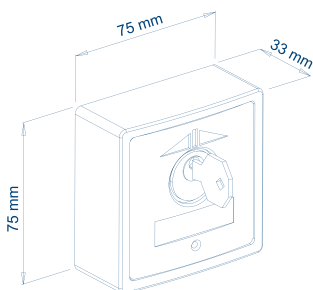
| CODE   | DESCRIPTION                                |
|--------|--|
| 198/2  | Outdoor selector - Start / stop - Aluminum |
| 178/CA | Pair of selectors with same code           |

| CODE  | DESCRIPTION  |
|-------|--|
| 198-I | Outdoor selector - Start / Stop - Aluminum - European cylinder |

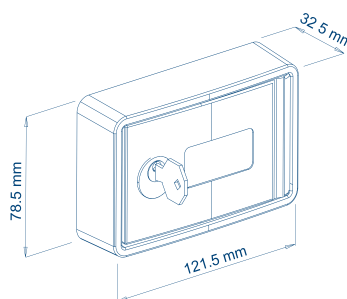


| CODE  | DESCRIPTION            |
|-------|------------------------|
| 198/1 | Neutral selector black |

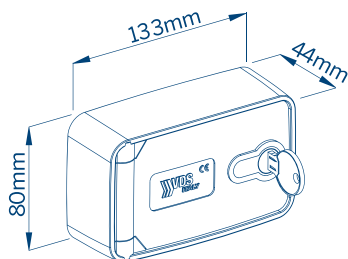
| CODE   | DESCRIPTION                      |
|--------|----------------------------------|
| 200    | Wall selector - ABS plastic      |
| STP013 | Round adapter for old series     |
| 200/C  | Pair of selectors with same code |



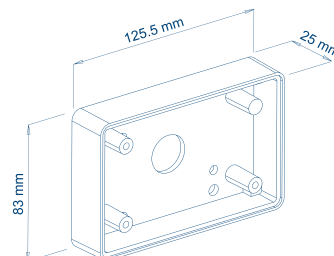
| CODE   | DESCRIPTION                                     |
|--------|---|
| 198/5  | Outdoor selector - Start / stop - Technopolymer |
| 198/CP | Pair of selectors with same coding              |



| CODE   | DESCRIPTION  |
|--------|--|
| 754/1  | BLINDOR - Blindino wall selector with electro-brake - Push-button - Aluminum |
| 754/6  | BLINDOR1 - Blindino wall selector with electro-brake - Aluminum              |
| 754/CS | BLINDOR-CS - Pair of selectors with release and same coding - Without button |
| 754/CP | BLINDOR-CP - Pair of selectors with same coding - With button                |



| CODE   | DESCRIPTION  |
|--------|--|
| 854    | MAYA - Blindino wall selector with electro-brake - Push-button - Aluminum - European cylinder        |
| 854/1  | MAYA1 - Blindino wall selector with electro-brake release - Aluminum - European cylinder - No button |
| 854/CP | MAYA1C - Pair of selectors with release and same coding  |
| 854/C  | MAYA-C - Pair of selectors with release and same coding  |



| CODE  | DESCRIPTION            |
|-------|------------------------|
| 754/2 | BLB - Wall fixing base |

# SAFETY AND DETECTION DEVICES



| CODE          | DESCRIPTION                                   |
|---------------|---|
| <b>QDM1</b>   | Loop detector - 230V - 1 channel - With box   |
| <b>SMR-24</b> | Loop detector - 12/24V - 1 channel - With box |



| CODE            | DESCRIPTION   |
|-----------------|---|
| <b>550/1224</b> | MAGNETIX - Loop detector - 12/24V - 1 channel - Din bar |



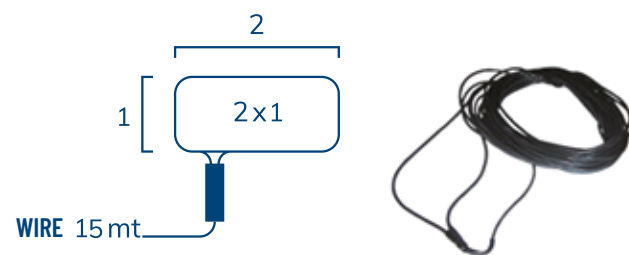
| CODE          | DESCRIPTION  |
|---------------|--|
| <b>262598</b> | PROLOOP - Loop detector 230V - 1 channel - Din bar |



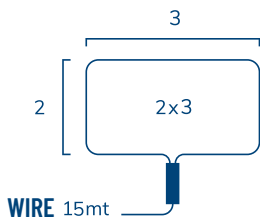
| CODE            | DESCRIPTION                                       |
|-----------------|---|
| <b>550/1230</b> | Digital loop detector basic - 12-24V dual channel |



| CODE              | DESCRIPTION  |
|-------------------|--|
| <b>BIR-353828</b> | PROLOOP - Loop detector 2 magnetic loops 2 relay outputs |



| CODE       | DESCRIPTION                         |
|------------|-------------------------------------|
| <b>263</b> | Pre-assembled loop 2x1m + 15m cable |



| CODE | DESCRIPTION                         |
|------|-------------------------------------|
| 264  | Pre-assembled loop 3x2m + 15m cable |



| CODE      | DESCRIPTION   |
|-----------|---|
| 12/FVG180 | Pair of wall photocells adjustable 180° - Range 12 m - 12/24V |



| CODE | DESCRIPTION   |
|------|---|
| 12/T | Pair of wall photocells slim - Range 40 m - Power supply 12/24V |



| CODE | DESCRIPTION  |
|------|--|
| 18   | Pair of recessed photocells - Range 12 m - Power supply 12/24V |
| 250  | Metal box for wall predisposition                              |



| CODE | DESCRIPTION   |
|------|---|
| 12/C | TECH2 - Pair of wall photocells - Range 15 m - NC NO contact - 12/24V |



| CODE  | DESCRIPTION  |
|-------|--|
| FT25B | Pair of photocells with batteries included - Range 10 m - 12/24V |
| BATF  | Battery kit  |



| CODE | DESCRIPTION  |
|------|--|
| RP25 | Reflective photocell + round reflector range 12m - Power supply 12/24V + Anti-condensation accessory |



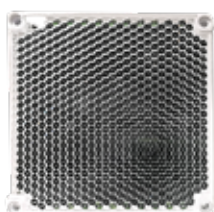
| CODE  | DESCRIPTION  |
|-------|--|
| 12/FB | Pair of wall-mounted anti-vandal photocells - 180° adjustable - Range 15m - 12/24V |



| CODE     | DESCRIPTION   |
|----------|---|
| 589/8122 | Black protective housing for rain, impact, and glare - for round reflector - RP25 |
| 589/0200 | Black protective housing for rain, impact, and glare - for photocell - RP25       |



| CODE     | DESCRIPTION   |
|----------|---|
| 790/0028 | FALCON - Microwave detector for industrial doors    |
| 790/0029 | FALCON XL - Microwave detector for industrial doors |



| CODE     | DESCRIPTION                                    |
|----------|--|
| 589/8150 | Square reflector 100x100 mm - Range 15m - RP25 |



| CODE     | DESCRIPTION  |
|----------|--|
| 551/0620 | RM620 - Simplified microwave detector for industrial doors |



| CODE     | DESCRIPTION  |
|----------|--|
| 787/0225 | KABUTO - Double technology radar - infrared and microwave - 12-24V |
| 787/0250 | Remote control for Kabuto radar                                    |



| CODE | DESCRIPTION                        |
|------|------------------------------------|
| E050 | Wireless safety band - Transmitter |
| E051 | Wireless safety band - Receiver    |



| CODE     | DESCRIPTION                                      |
|----------|--|
| 790/2010 | Laser sensor for swing doors - Left              |
| 790/2011 | Laser sensor for swing doors - Right             |
| 790/2022 | Double laser sensor for swing doors - Right-Left |

1003214

1003190



| CODE    | DESCRIPTION  |
|---------|--|
| 1003214 | 3G safety edge transmitter - 4 self-adjusting channels at 868MHz - 50m |
| 1003190 | 3G safety edge receiver - 4 self-adjusting channels at 868MHz - 50m    |



| CODE    | DESCRIPTION   |
|---------|---|
| HYU-930 | ANPR camera for license plate reading - compatible with all VDS automations |

TXR-P8

RXR-P8



| CODE   | DESCRIPTION  |
|--------|--|
| TXR-P8 | Wireless safety band - Transmitter with 2 included batteries |
| RXR-P8 | Wireless safety band - Receiver                              |



| CODE         | DESCRIPTION                        |
|--------------|------------------------------------|
| <b>230/5</b> | Safety edge 1.5 m - H 70mm - Black |
| <b>230/3</b> | Safety edge 1.7 m - H 70mm - Black |
| <b>230/1</b> | Safety edge 2 m - H 70mm - Black   |
| <b>230/4</b> | Safety edge 2.5 m - H 70mm - Black |
| <b>230/7</b> | Safety edge 3 m - H 70mm - Black   |
| <b>230/8</b> | Safety edge 4 m - H 70mm - Black   |



| CODE            | DESCRIPTION                           |
|-----------------|---------------------------------------|
| <b>CP20-S30</b> | Low-profile passive edge 3 m - H 30mm |
| <b>CP20-S40</b> | Low-profile passive edge 4 m - H 30mm |
| <b>CP20-S50</b> | Low-profile passive edge 5 m - H 30mm |



| CODE              | DESCRIPTION                               |
|-------------------|---|
| <b>BS01-C15NG</b> | Safety edge 1.5 m - H 70mm - Yellow/Black |
| <b>BS01-C17NG</b> | Safety edge 1.7 m - H 70mm - Yellow/Black |
| <b>BS01-C20NG</b> | Safety edge 2 m - H 70mm - Yellow/Black   |
| <b>BS01-C25NG</b> | Safety edge 2.5 m - H 70mm - Yellow/Black |
| <b>BS01-C30NG</b> | Safety edge 3 m - H 70mm - Yellow/Black   |
| <b>BS01-C40NG</b> | Safety edge 4 m - H 70mm - Yellow/Black   |



| CODE              | DESCRIPTION   |
|-------------------|---|
| <b>BS10-C15NE</b> | Safety edge with sensitive and shock material at the end - 1.5 m - H 75mm - Black |
| <b>BS10-C17NE</b> | Safety edge with sensitive and shock material at the end - 1.7 m - H 75mm - Black |
| <b>BS10-C20NE</b> | Safety edge with sensitive and shock material at the end - 2 m - H 75mm - Black   |
| <b>BS10-C25NE</b> | Safety edge with sensitive and shock material at the end - 2.5 m - H 75mm - Black |
| <b>BS10-C30NE</b> | Safety edge with sensitive and shock material at the end - 3 m - H 75mm - Black   |
| <b>BS10-C40NE</b> | Safety edge with sensitive and shock material at the end - 4 m - H 75mm - Black   |



| CODE              | DESCRIPTION                    |
|-------------------|--------------------------------|
| <b>BPM0-S50NE</b> | Hand protection edge - 5 m kit |



| CODE              | DESCRIPTION                                 |
|-------------------|---|
| <b>BP10-C15NE</b> | Passive edge 1.5 m - H 75 mm - Black        |
| <b>BP10-C20NE</b> | Passive edge 2 m - H 75 mm - Black          |
| <b>BP10-C30NE</b> | Passive edge 3 m - H 75 mm - Black          |
| <b>BP10-C15NG</b> | Passive edge 1.5 m - H 75 mm - Yellow/Black |
| <b>BP10-C20NG</b> | Passive edge 2 m - H 75 mm - Yellow/Black   |
| <b>BP10-C30NG</b> | Passive edge 3 m - H 75 mm - Yellow/Black   |



| CODE     | DESCRIPTION                      |
|----------|----------------------------------|
| 232      | Low-profile edge 2 m - H 30 mm   |
| 233      | Low-profile edge 2.5 m - H 30 mm |
| 234      | Low-profile edge 3 m - H 30 mm   |
| 235      | Low-profile edge 3.5 m - H 30 mm |
| 236      | Low-profile edge 4 m - H 30 mm   |
| 237      | Low-profile edge 5 m - H 30 mm   |
| CP30-KL3 | 3-sided kit divisions            |



| CODE            | DESCRIPTION               |
|-----------------|---------------------------|
| ACA<br>085801ZB | Anti-fall galvanized ring |



| CODE     | DESCRIPTION                            |
|----------|--|
| NASTRO-R | Reflective adhesive tape - Red - 1m    |
| NASTRO-G | Reflective adhesive tape - Yellow - 1m |
| NASTRO-B | Reflective adhesive tape - White - 1m  |



| CODE     | DESCRIPTION                                    |
|----------|--|
| AC02-200 | Stainless steel anti-fall arrest cable - 700mm |



| CODE      | DESCRIPTION                                      |
|-----------|--|
| NASTRO-GN | Reflective adhesive tape - Yellow and Black - 1m |
| NASTRO-RB | Reflective adhesive tape - Red/White - 1m        |



| CODE     | DESCRIPTION                                    |
|----------|--|
| AC02-100 | Stainless steel anti-fall arrest cable - 515mm |

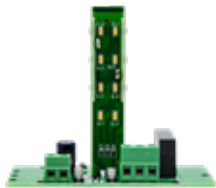
## SIGNALING ACCESSORIES



| CODE | DESCRIPTION   |
|------|---|
| 23/8 | WAVE LED - LED flashing light 12/24/230V - Different type of flashing |
| 23/4 | BASE WAVE - Wall fixing base  |



| CODE     | DESCRIPTION                        |
|----------|------------------------------------|
| CS3137/B | Wall-mounted flashing light 12/24V |



| CODE     | DESCRIPTION                    |
|----------|--------------------------------|
| ER-LED   | LED module 24/230V             |
| ER-LED-S | LED module 24/230V with buzzer |



| CODE     | DESCRIPTION                            |
|----------|--|
| 550/1036 | Wall-mounted flashing light 12/24/230V |



| CODE                  | DESCRIPTION                       |
|-----------------------|-----------------------------------|
| K-M-LED-12/24V / 230V | LED module 12/24/230V with aerial |



| CODE     | DESCRIPTION  |
|----------|--|
| 550/1040 | Wall-mounted flashing light 12/24V - Yellow            |
| 550/1041 | Signal module 12/24V - Red                             |
| 550/1043 | Signal module 12/24V - Green                           |
| 550/1045 | Wall Micro-traffic light 2 lights - Red-Green - 12/24V |



**CODE DESCRIPTION**

|                 |  |
|-----------------|--|
| <b>550/3040</b> | Traffic light 1 light - Red - 12/24V   |
| <b>550/3050</b> | Traffic light 1 light - Green - 12/24V |



**CODE DESCRIPTION**

|                 |  |
|-----------------|--|
| <b>511/2050</b> | Traffic light control board 230V/24V - for managing 2 traffic lights (2-way) |
|-----------------|--|



**CODE DESCRIPTION**

|                   |  |
|-------------------|--|
| <b>C0000710</b>   | Traffic light Red-Green 2 lights - 24V - H410xW180xD290mm  |
| <b>C0000710.2</b> | Traffic light Red-Green 2 lights - 230V - H410xW180xD290mm |



**CODE DESCRIPTION**

|                 |  |
|-----------------|--|
| <b>550/3018</b> | Traffic light 2 lights - Red-Green - 12/24V        |
| <b>550/3025</b> | Traffic light 3 lights - Red-Yellow-Green - 12/24V |



**CODE DESCRIPTION**

|                   |   |
|-------------------|---|
| <b>C0000714</b>   | Traffic light Red-Green-Yellow 3 lights - 24V - H610xW180xD290mm  |
| <b>C0000714.1</b> | Traffic light Red-Green-Yellow 3 lights - 230V - H610xW180xD290mm |



**CODE DESCRIPTION**

|                 |                   |
|-----------------|-------------------|
| <b>550/3012</b> | 230/12V converter |
|-----------------|-------------------|

## MECHANICAL AND GENERAL ACCESSORIES



| CODE  | DESCRIPTION                                  |
|-------|--|
| 167/V | Vertical electric lock 12V - 3 keys supplied |



| CODE  | DESCRIPTION   |
|-------|---|
| 167   | Central electric lock complete left/right 12V - 3 keys supplied |
| 168/1 | Iron fixing base  |



| CODE       | DESCRIPTION                            |
|------------|--|
| ELT8-012K1 | Drop electric lock 12V + Strike plate  |
| ELT8-220K1 | Drop electric lock 220V + Strike plate |
| ELT8-024K1 | Drop electric lock 24V + Strike plate  |



| CODE      | DESCRIPTION  |
|-----------|--|
| 167/1     | A721 - Central electric lock complete left/right - No button - 12V   |
| 167/2     | A731 - Central electric lock complete left/right - With button - 12V |
| 107022100 | Booster Plus   |
| 107022000 | Booster  |
| 107023000 | Micro switch   |
| 107025100 | Coil 12V   |



| CODE  | DESCRIPTION   |
|-------|---|
| 167/E | Central electric lock complete left/right with button 12V - 3 keys supplied |



| CODE | DESCRIPTION  |
|------|--|
| 755  | Horizontal leaf block - die-cast aluminum - to be used with electric lock with actuator without mechanical release and aluminum leaf |



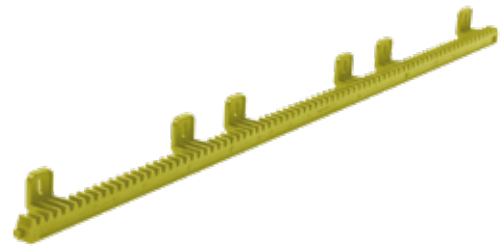
| CODE | DESCRIPTION   |
|------|---|
| 265  | Vertical leaf block - galvanized steel and bronze B14 - to be used in combination with an electric lock and with actuator without mechanical lock |



| CODE  | DESCRIPTION  |
|-------|--|
| 216/G | Nylon rack with metal insert - Complete with accessories - 1m piece - Grey |



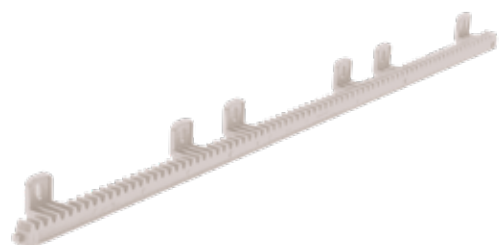
| CODE | DESCRIPTION                       |
|------|-----------------------------------|
| RVS  | Slowdown system for sloping gates |



| CODE   | DESCRIPTION  |
|--------|--|
| 216/GL | Nylon rack with metal insert - Complete with accessories - 1m piece - Yellow |



| CODE  | DESCRIPTION   |
|-------|---|
| 216/1 | Nylon rack with metal insert - Complete with accessories - 1m piece - Black |



| CODE  | DESCRIPTION   |
|-------|---|
| 216/B | Nylon rack with metal insert - Complete with accessories - 1m piece - White |



| CODE | DESCRIPTION  |
|------|--|
| 217  | Galvanized steel rack M4 - 30x12 with spacers - 1m piece |



| CODE      | DESCRIPTION  |
|-----------|--|
| DAP       | Adjustable screw-on spacer - Pack of 3 pcs           |
| STAFFAPIU | Adjustable screw-on spacer - 3 pcs (duplicate entry) |



| CODE | DESCRIPTION   |
|------|---|
| 218  | Galvanized steel rack M4 - 30x8 with spacers - 1m piece |



| CODE   | DESCRIPTION            |
|--------|------------------------|
| 121032 | Pawl to be welded      |
| 113022 | Latch to be screwed on |



| CODE  | DESCRIPTION                                 |
|-------|---|
| 218/1 | Galvanized steel rack M4 - 22x22 - 1m piece |
| 218/2 | Galvanized steel rack M4 - 22x22 - 2m piece |



| CODE | DESCRIPTION   |
|------|---|
| 273  | CLA15 - Aluminum column for Tech2 photocells - H12.5 cm |



| CODE     | DESCRIPTION                                 |
|----------|---|
| 303001   | Galvanized steel rack M6 - 30x30 - 1m piece |
| 303001/1 | Galvanized steel rack M6 - 30x30 - 2m piece |



| CODE   | DESCRIPTION                                 |
|--------|---|
| 244    | CLA50 - Anodized aluminum column - H50 cm   |
| 248    | CLA100 - Anodized aluminum column - H100 cm |
| 244/E  | Anthracite grey column - H50 cm             |
| 244/B  | Black column - H50 cm                       |
| 244/C  | White column - H50 cm                       |
| 244/G  | High-visibility yellow column - H50 cm      |
| 124569 | Fixing plate for column H50 cm              |



| CODE   | DESCRIPTION  |
|--------|--|
| 272    | Aluminum column with selector - H100 cm                                |
| 272/1  | Aluminum column with selector - H100cm - predisposition for photocells |
| 248/2  | Aluminum column - H100 cm - predisposition for double photocells       |
| 124569 | Fixing plate for column  |



| CODE     | DESCRIPTION                         |
|----------|-------------------------------------|
| COL050   | Universal aluminum column - H50 cm  |
| COL0100  | Universal aluminum column - H100 cm |
| COL0120  | Universal aluminum column - H125 cm |
| ADT-INC  | Built-in adapter                    |
| CLN8-PB  | Column base                         |
| CLN8-PST | Fixing plate                        |



| CODE | DESCRIPTION       |
|------|-------------------|
| PFC1 | Setback with pole |



| CODE | DESCRIPTION |
|------|-------------|
| PFC2 | Wall stop   |



| CODE  | DESCRIPTION   |
|-------|---|
| 420/2 | Battery 12V - 1.2 AH - For Simply / Carrera / Speed |



| CODE | DESCRIPTION                           |
|------|---------------------------------------|
| 420  | Battery 12V - 7 AH - For Bev2 / Berta |



| CODE  | DESCRIPTION        |
|-------|--------------------|
| 420/1 | Battery 12V - 2 AH |



| CODE           | DESCRIPTION   |
|----------------|---|
| <b>PUSH-ON</b> | Automatic reset device for circuit breakers with differential |



| CODE              | DESCRIPTION   |
|-------------------|---|
| <b>OKITMIS-PR</b> | Blueforce Smart Kit - Impact force measurement instrument |



| CODE      | DESCRIPTION                                   |
|-----------|---|
| <b>23</b> | Battery for remote control - E010 - 12V - 23A |
| <b>25</b> | Battery for remote control - 12V - 27A        |



| CODE            | DESCRIPTION   |
|-----------------|---|
| <b>PG1M9W01</b> | Emergency button - Ø 90 mm - Red - NC contact - Wall-mounting |
| <b>PG8M9W10</b> | Control button - Ø 90 mm - Black - NO contact - Wall-mounting |



| CODE      | DESCRIPTION  |
|-----------|--|
| <b>24</b> | Lithium battery - CR2032 3V - For Tx01 / Tx02 remote control |
| <b>26</b> | Lithium battery - CR2016                                     |
| <b>27</b> | Lithium battery - CR1620                                     |



| CODE              | DESCRIPTION                |
|-------------------|----------------------------|
| <b>ECS-CA-025</b> | Gate cable - 2X0.50 - 100m |
| <b>ECS-CA-045</b> | Gate cable - 4X0.50 - 100m |
| <b>ECS-CA-055</b> | Gate cable - 5X0.50 - 100m |
| <b>ECS-CA-210</b> | Gate cable - 2X1.00 - 100m |
| <b>ECS-CA-410</b> | Gate cable - 4X1.00 - 100m |
| <b>ECS-CA-315</b> | Gate cable - 3X1.50 - 100m |
| <b>ECS-CA-415</b> | Gate cable - 4X1.50 - 100m |



**CODE DESCRIPTION**

**165B** Warning sign



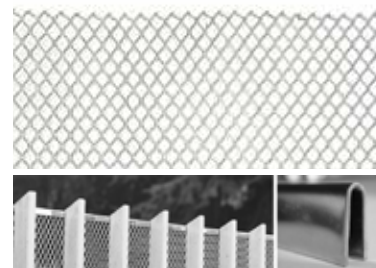
**CODE DESCRIPTION**

**AC01-200VA** Support bracket for control Board



**CODE DESCRIPTION**

**19/O** Dielectric hydraulic oil - 1 liter  
**19/P** Dielectric hydraulic oil - 2 liters  
**19/Q** Dielectric hydraulic oil - 5 liters



**CODE DESCRIPTION**

**RT-H100** Expanded grill for openings and motorized gates compliant with CEI EN 60529 - H 100  
**RT-H125** Expanded grill for openings and motorized gates compliant with CEI EN 60529 - H 125  
**RT-H150** Expanded grill for openings and motorized gates compliant with CEI EN 60529 - H 150  
**RT-H200** Expanded grill for openings and motorized gates compliant with CEI EN 60529 - H 200  
**PR-RT** Profile for finishing - 3 m



**CODE DESCRIPTION**

**AC01-100** Galvanized cabinet with key for control Board



**CODE DESCRIPTION**

**ST-450** Magnetic contact for overhead doors  
**HA0488** Plastic magnetic contact for doors

● FUNCTION INCLUDED — FUNCTION NOT INCLUDED

# FUNCTION TABLE

|                             | EURO 230 M2 | F101   | ELB 24 M2 | EURO 230 M1 | EURO 24 M1 |
|-----------------------------|-------------|--------|-----------|-------------|------------|
| MOTOR FEEDS                 | 230VAC      | 230VAC | 24VDC     | 230VAC      | 24VCC      |
| NUMBER OF MOTORS            | 2           | 2      | 2         | 1           | 1          |
| POWER SUPPLY ACCESSORIES    | ●           | ●      | ●         | ●           | ●          |
| POWER SUPPLY SAFETIES       | ●           | ●      | ●         | ●           | ●          |
| START ENTRY.                | ●           | ●      | ●         | ●           | ●          |
| PEDESTRIAN ENTRANCE         | ●           | ●      | ●         | ●           | ●          |
| INPUT STOP.                 | ●           | ●      | ●         | ●           | ●          |
| LIMIT SWITCH INPUT          | ●           | —      | —         | ●           | ●          |
| PHOTOCELL INPUT             | ●           | ●      | ●         | ●           | ●          |
| COAST ENTRANCE.             | ●           | ●      | ●         | ●           | ●          |
| RPM SENSOR INPUT            | —           | —      | —         | ●           | ●          |
| PLUG-IN RADIO               | ●           | —      | —         | —           | —          |
| RADIO ON BOARD.             | ●           | ●      | ●         | ●           | ●          |
| OUTPUT FOR FLASHING LIGHT   | ●           | ●      | ●         | ●           | ●          |
| COURTESY LIGHT OUTPUT       | ●           | ●      | —         | ●           | ●          |
| 12 VDC ELECTRIC LOCK OUTPUT | ●           | ●      | ●         | —           | —          |
| STEP-BY-STEP                | ●           | ●      | ●         | ●           | ●          |
| STEPPER WITH STOP           | ●           | ●      | ●         | ●           | ●          |

# FUNCTION TABLE

|                             | EURO 230 M2 | F101 | ELB 24 M2 | EURO 230 M1 | EURO 24 M1 |
|-----------------------------|-------------|------|-----------|-------------|------------|
| CONDOMINIAL                 | ●           | ●    | ●         | ●           | ●          |
| HOLD-TO-RUN                 | —           | —    | —         | —           | —          |
| RAM PUSH                    | ●           | ●    | ●         | —           | —          |
| AUTOMATIC CLOSING           | ●           | ●    | ●         | ●           | ●          |
| QUICK RECLOSURE             | —           | ●    | —         | —           | —          |
| PHOTOCELL IN OPENING        | ●           | ●    | ●         | ●           | ●          |
| PHOTOCELL IN CLOSING        | ●           | ●    | ●         | ●           | ●          |
| TORQUE ADJUSTMENT           | ●           | ●    | ●         | ●           | ●          |
| SLOW DOWN                   | ●           | ●    | ●         | ●           | ●          |
| ANTI-CRUSHING               | —           | —    | ●         | ●           | ●          |
| EXTENSION OF WORKING TIME   | ●           | ●    | —         | ●           | ●          |
| BATTERY INPUT               | —           | —    | ●         | —           | ●          |
| SOLAR PANEL INPUT           | —           | —    | ●         | —           | ●          |
| THREE-PHASE SWITCH          | —           | —    | —         | —           | —          |
| PHOTOCELL TEST              | —           | —    | —         | —           | —          |
| FREQUENCY 433 MHZ           | ●           | ●    | ●         | ●           | ●          |
| HYDRAULIC BLOCK MAINTENANCE | ●           | ●    | —         | —           | —          |

● FUNCTION INCLUDED — FUNCTION NOT INCLUDED

# FUNCTION TABLE

|                             | EURO 380 M1 | Q 100 INVERTER | SR     | Q100-I | AT 7070 |
|-----------------------------|-------------|----------------|--------|--------|---------|
| MOTOR FEEDS                 | 230/380VAC  | 230VAC         | 230VAC | 230VAC | 24VCC   |
| NUMBER OF MOTORS            | 1           |                | 1      | 1      | 1       |
| POWER SUPPLY ACCESSORIES    | ●           | ●              | ●      | ●      | ●       |
| POWER SUPPLY SAFETIES       | ●           | ●              | ●      | ●      | ●       |
| START ENTRY.                | ●           | ●              | ●      | ●      | ●       |
| PEDESTRIAN ENTRANCE         | ●           | ●              | —      | ●      | ●       |
| INPUT STOP.                 | ●           | ●              | —      | ●      | ●       |
| LIMIT SWITCH INPUT          | ●           | —              | —      | ●      | ●       |
| PHOTOCELL INPUT             | ●           | ●              | ●      | ●      | ●       |
| COAST ENTRANCE.             | ●           | ●              | —      | ●      | —       |
| RPM SENSOR INPUT            | —           | —              | —      | —      | ●       |
| PLUG-IN RADIO               | ●           | —              | —      | —      | —       |
| RADIO ON BOARD.             | —           | —              | ●      | ●      | ●       |
| OUTPUT FOR FLASHING LIGHT   | ●           | ●              | —      | ●      | ●       |
| COURTESY LIGHT OUTPUT       | ●           | ●              | ●      | ●      | ●       |
| 12 VDC ELECTRIC LOCK OUTPUT | —           | —              | —      | —      | —       |
| STEP-BY-STEP                | ●           | ●              | ●      | ●      | ●       |
| STEPPER WITH STOP           | ●           | ●              | ●      | ●      | ●       |

# FUNCTION TABLE

|                             | EURO 380 M1 | Q 100 INVERTER | SR | Q100-I | AT 7070 |
|-----------------------------|-------------|----------------|----|--------|---------|
| CONDOMINIAL                 | ●           | ●              | —  | ●      | ●       |
| PRESENT MAN.                | ●           | ●              | ●  | ●      | —       |
| ARIES' STRIKE.              | —           | —              | —  | —      | —       |
| AUTOMATIC RECLOSING         | ●           | ●              | ●  | ●      | ●       |
| QUICK RECLOSURE             | —           | —              | —  | —      | —       |
| PHOTOCELL IN OPENING        | ●           | ●              | —  | ●      | —       |
| PHOTOCELL IN CLOSING        | ●           | ●              | ●  | ●      | ●       |
| TORQUE ADJUSTMENT           | ●           | ●              | —  | ●      | ●       |
| SLOW DOWN                   | ●           | ●              | —  | ●      | ●       |
| ANTI-CRUSHING               | —           | ●              | —  | ●      | ●       |
| EXTENSION OF WORKING TIME   | ●           | ●              | ●  | ●      | ●       |
| BATTERY INPUT               | —           | —              | —  | —      | ●       |
| SOLAR PANEL INPUT           | —           | —              | —  | —      | ●       |
| THREE-PHASE SWITCH          | ●           | —              | —  | ●      | —       |
| PHOTOCELL TEST              | —           | —              | —  | —      | —       |
| FREQUENCY 433 MHZ           | ●           | —              | ●  | ●      | ●       |
| HYDRAULIC BLOCK MAINTENANCE | —           | —              | —  | —      | —       |

# TECHNICAL FEATURES FOR SLIDING DOOR

## DIGITAL KEYBOARD

---

Available programs:

- Entry
- Output
- Normal
- Partial
- Open
- Closed

## TROLLEYS

---

- Made of sturdy laser-cut steel laminate
- Technopolymer load-bearing wheels molded directly onto bearing
- Adjustable anti-shrinkage system

## POWER SUPPLY UNIT

---

Composed of: 150 VA transformer in box and protected by fuse

## DRIVE UNIT

---

- High-performance 24 VDC gear motor with bearing-supported output shaft
- Dual-read optical encoder 100 pulses
- Billet aluminum drag wheel with integrated belt guide system
- Locking system made by industrial solenoid keyed directly to the drive wheel and operable by steel cable that can be placed even in environments relatively far from the crossbar

## CONTROL BOARD

---

- Microprocessor with built-in charger-battery management and removable terminals
- Interlock management
- Anti-crushing safety
- Slowing speed adjustment directly on the board
- Remote programming via digital selector switch JET01
- Security testing
- Air blade management

# GENERAL CONDITIONS

## PURCHASE ORDERS

Placing a purchase order implies the acceptance of the following General Conditions of Sale:

### ARTICLE 1: DELIVERY TERMS, TRANSPORT AND PACKAGING

The goods mentioned in the contract is sold ex-works. Shipment, only if required by the buyer, might be effected by transport agent named by VDS if not differently specified. All freight charges and any risks are to be considered as buyer charge - the goods will be packaged according to VDS experience. VDS is totally exempt from any responsibilities for losses or damages for goods regularly package.

### ARTICLE 2: DELIVERY TERMS

VDS agrees with customers each time the standard delivery terms according to purchased goods, if not clearly indicated in the confirmation of the orders. VDS furthermore accepts any eventual change in the standard delivery time and in case to communicate this change by order confirmation or in written document.

### ARTICLE 3: PRICE CHANGES

The change in costs, also occurring during the supply, may determine the change in the agreed prices.

### ARTICLE 4: CLAIMS

Claims against the quality of the goods or with reference to supplied goods must be sent to the address of the selling company by registred letter within and not further 8 days from the delivery date. No returns will be accepted unless by written authorization of VDS.

**VDS is not responsible in case of bad weather condition accidents and any accidental action or vandals accidents. all information reported, are simply indicatives. VDS reserves its rights to modify products without further communication. the present price list cancels and substitutes the previous.**

### ARTICLE 5: PAYMENT

The payment terms are those mentioned on the order confirmation and on the invoices issued from VDS. All the payments must be effected to the address of VDS. The delay in payment even only for part of the invoice, will cancel the discount if granted and will cancel any agreed delay of credit or delayed payment agreed terms even rate, starting from the expiry date of the agreed terms and in the suspension of further supplies. The charges for any eventual outstanding will be debited to the buyer. VDS is totally authorized to issue drafts against the buyer in order to collect the interest, even if claims or disputes are in process.

### ARTICLE 6: GUARANTEE: DURATION, EXTENSION, LIMITS

VDS guarantees his products and accessory components for a period of 2 years from the selling date, during which assistance is considered free. The replaced components will remain the property of VDS. All transport costs necessary for the provision of the guarantee in the forms mentioned above are the responsibility of the buyer. VDS reserves the right to refuse the guarantee if:

- The electric accessories and automation components have been used without observing the standard connection diagrams which have been designed for.
- The gearmotors have been used for uses other than those established.
- The assembly and electrical connection instructions have been applied inconsistently with the screens contained in the packaging of the goods.
- Maintained contact pushbutton panels or key selectors have been used for several gearmotors or with a single command.
- No connections have been made according to UNI / CE regulations
- The gearmotors have been disassembled or manipulated without the written authorization of VDS.

After the warranty terms have elapsed, assistance will be carried out by authorized personnel, for a fee and on the basis of a defined tariff, for interventions, based on the tables issued by the Civil Engineers and, for spare parts based on the latest revision. of the internal VDS price lists.

### ARTICLE 7: LEGAL COURT

In case of disputes, the legal court is established in Pescara.



Automatic Passion®


**ITALIA**  
**VDS AUTOMAZIONI SRL**


Via Circolare pip n. 10  
65010 Spoltore (PE) - Italy  
P.IVA 02269220683  
TEL: +39 085 497 1946  
FAX: +39 085 497 3849  
[www.vdsautomation.com](http://www.vdsautomation.com)  
[info@vdsautomation.com](mailto:info@vdsautomation.com)

**SPAGNA**  
**VDS AUTOMATISMOS IBERICA**

Calle Sierra Carbonera, 24  
28500 Arganda del Rey,  
Madrid - Spain  
TEL: +34 918 706 760  
FAX: +34 618 356 558  
[info@vdsautomatismos.es](mailto:info@vdsautomatismos.es)

 Vds Automation Automazioni

 vds\_automation

 +39 331 234 2963

 VDS Automation

 VDS Automation

