



# GATE AUTOMATION

Swinging and sliding gate automation systems



Be ahead

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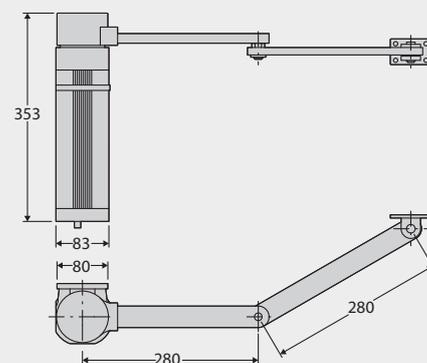
Be ahead



E5

## Electromechanical automation for swing gates

Extremely compact electromechanical operator with articulated arm. Suitable for residential use; capable of automating swing gate leaves up to 1.8 metres wide and weighing up to 200 kg. This motor is non-locking.



### SPECIFICATIONS

|                  | <b>E5</b>         |
|------------------|-------------------|
| Power supply     | 230v              |
| Gate leaf length | 1.8m              |
| Max Leaf         | 200kg             |
| Control panel    | RIGEL 6           |
| Cycle time       | 22 sec            |
| Impact reaction  | mechanical clutch |
| Frequency of use | semi-intensive    |
| Lock required    | yes               |



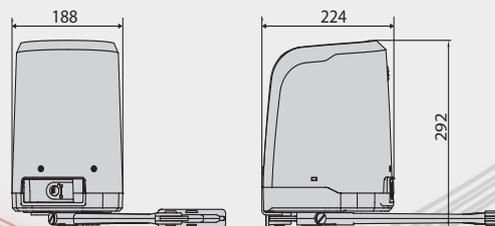
# VIRGO SMART BT A20

## Electromechanical automation for swing gates

Electromechanical operator with articulated arm for residential use, for swing gates up to 2 metres per leaf and 200kg per leaf. Control panel, limit switches and mechanical stops incorporated in the operator. Ideal for any installation requirements, makes it easy to solve problems linked to large pillars. Installation is possible on pillars up to 235mm deep or with limited lateral space, using the articulated arm and sliding arm. Exclusive U-Link, U-Control App and U-Base software protocol.



-  ee link
-  24 V
-  er ready
-  U-Link



### SPECIFICATIONS

|                  | <b>VIRGO SMART BT A20</b> |
|------------------|---------------------------|
| Power supply     | 24v                       |
| Gate leaf length | 2m                        |
| Max leaf         | 200kg                     |
| Control panel    | THALIA                    |
| Maximum angle    | 120°                      |
| Cycle time       | 14 secs                   |
| Impact reaction  | Electronic torque limiter |
| Frequency of use | Semi intensive            |



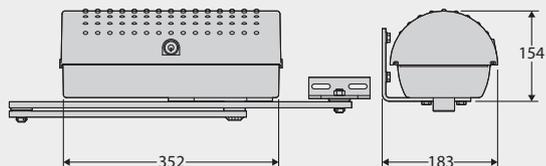
# IGEA

## Electromechanical automation for swing gates

Range of electromechanical operators with articulated arm for residential use, for swing gate leaves of up to 2.5 metres and 250 kg. Ideal for installation on large-size pillars thanks to its articulated levers that allow opening up to 125°.



-  ee link
-  24 V
-  er ready
-  d-track
-  U-Link



### SPECIFICATIONS

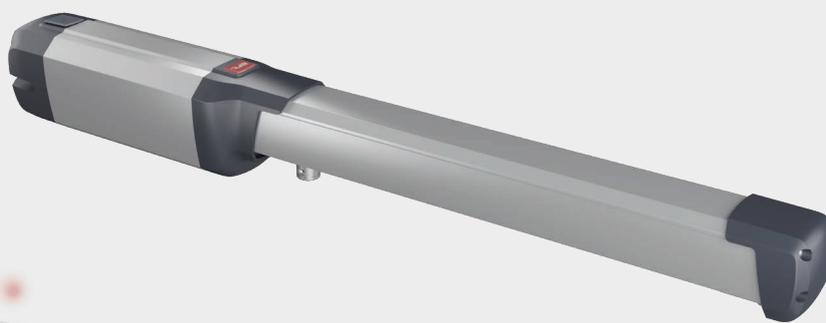
|                  | IGEA BT      | IGEA            |
|------------------|--------------|-----------------|
| Power supply     | 24v          | 230v            |
| Gate leaf length | 2 m/ 2.5m    | 2 m/ 2.5m       |
| Max Leaf         | 250kg/ 200kg | 250 kg/ 200 kg  |
| Control panel    | THALIA L     | RIGEL6          |
| Cycle time       | 15 sec       | 15 sec          |
| Impact reaction  | d-track      | electric clutch |
| Frequency of use | intensive    | intensive       |



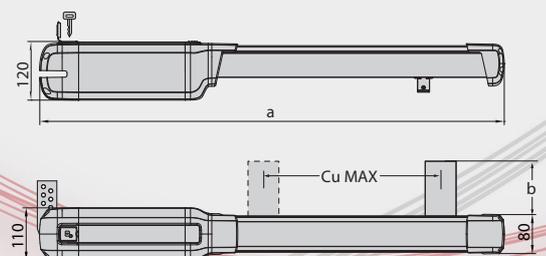
# PHOBOS

## Electromechanical automation for swing gates

Complete range of electromechanical worm-drives for residential use, suitable for swing gate leaves up to 5 metres wide and weighing up to 500 kg. Quick to install, its motor allows high speed opening and closing with silent operation. The motor is irreversible; the manual operation for opening is simple with a triangular key locking system.



-  ee link
-  rolling code
-  24 V
-  er ready
-  d-track



|                               | a   | b    | Cu MAX |
|-------------------------------|-----|------|--------|
| Phobos BT A25 - Phobos AC A25 | 850 | 72,5 | 290    |
| Phobos BT A40 - Phobos AC A40 | 960 | 108  | 400    |

### SPECIFICATIONS

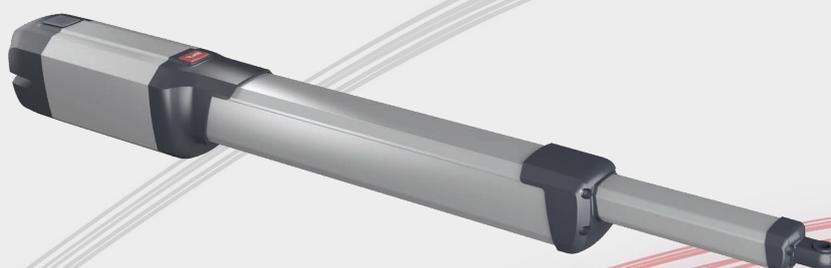
|                  | PHOBOS AC A25                               | PHOBOS AC A50                           | PHOBOS BT A25                             | PHOBOS BT A40                           |
|------------------|---|---|---|---|
| Power supply     | 230v  | 230v                                    | 24v                                       | 24v                                     |
| Gate leaf length | 1.8m (self locking)<br>2.5m (electric lock) | 3m (self locking)<br>5m (electric lock) | 2m (self locking)<br>2.5m (electric lock) | 3m (self locking)<br>4m (electric lock) |
| Max Leaf         | 400kg                                       | 500kg                                   | 400kg                                     | 500kg                                   |
| Control panel    | RIGEL6                                      | RIGEL6                                  | THALIA L                                  | THALIA L                                |
| Cycle time       | 14 sec                                      | 18 sec                                  | 15 sec                                    | 20 sec                                  |
| Impact reaction  | electric clutch                             | electric clutch                         | d-track                                   | d-track                                 |
| Frequency of use | semi-intensive                              | semi-intensive                          | intensive                                 | intensive                               |



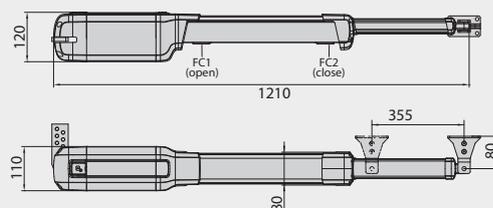
# KUSTOS ULTRA BT A

## Electromechanical automation for swing gates

Electromechanical worm-drive for residential and apartment building use, suitable for swing gate leaves up to 4 metres wide and weighing up to 500 kg. Quick and practical installation: the new Kustos Ultra BT A operator is designed to allow quick and easy installation, thanks to a number of important measures such as the covered worm-drive, integrated stops, magnetic limit switches and the magnetic locking pin.



-  ee link
-  rolling code
-  24 V
-  er ready
-  d-track
-  U-Link



### SPECIFICATIONS

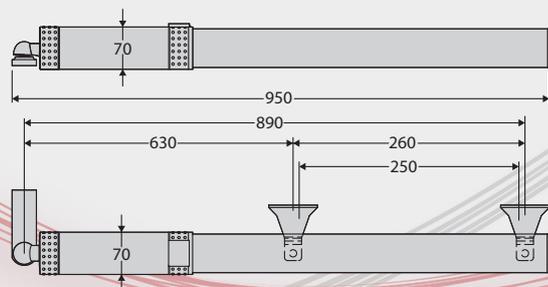
|                  | <b>KUSTOS ULTRA BT A40</b>            |
|------------------|---------------------------------------|
| Power supply     | 24v                                   |
| Gate leaf length | 3m self locking<br>4m (electric lock) |
| Max Leaf         | 500kg                                 |
| Control panel    | THALIA L                              |
| Cycle time       | 17 sec                                |
| Impact reaction  | d-track                               |
| Frequency of use | intensive                             |



# ORO

## Hydraulic automation for swing gates

Extremely compact and sturdy hydraulic operator suitable for residential and small apartment block use. Capable of automating swing gate leaves up to 1.8 metres wide and weighing up to 200 kg, locking in closed position only. Maximum precision in force control provided by bypass valves.



### SPECIFICATIONS

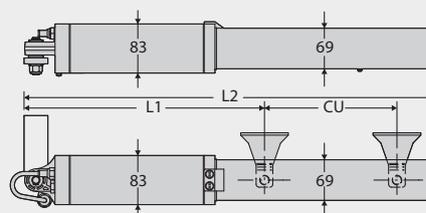
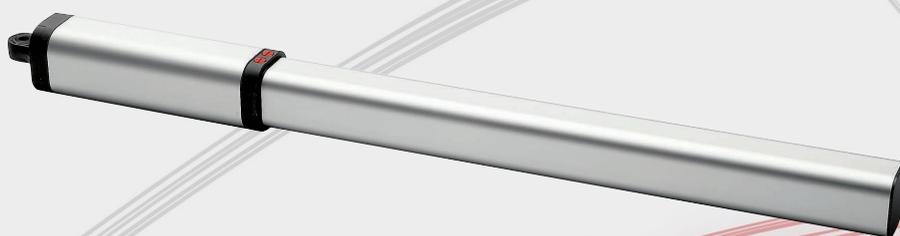
|                  | <b>ORO</b>       |
|------------------|------------------|
| Power supply     | 230v             |
| Gate leaf length | 1.8m             |
| Max Leaf         | 180kg            |
| Control panel    | RIGEL6           |
| Cycle time       | 20 sec           |
| Impact reaction  | hydraulic clutch |
| Frequency of use | semi-intensive   |



# LUX

## Hydraulic automation for swing gates

Complete range of 230v hydraulic pistons for very intensive use, suitable for any type of residential, industrial or multi-residence application. Compact and sturdy, capable of automating swing gate leaves up to 3.5 metres wide. Available in both locking and non-locking versions, with maximum precision in torque control provided by bypass valves.



|                  | L1  | CU  | L2   |
|------------------|-----|-----|------|
| <b>LUX 2B</b>    | 715 | 270 | 1025 |
| <b>LUX FC 2B</b> | 850 | 280 | 1320 |
| <b>LUX R 2B</b>  | 710 | 250 | 1050 |
| <b>LUX G</b>     | 850 | 390 | 1300 |

### SPECIFICATIONS

|                  | LUX 2B | LUX FC 2B | LUX R 2B             | LUX GVS* | LUX GV 2B |
|------------------|--------|-----------|----------------------|----------|-----------|
| Power supply     | 230v   | 230v      | 230v                 | 230v     | 230v      |
| Gate leaf length | 2m     | 2m        | 2m                   | 3.5m     | 3.5m      |
| Max leaf         | 300 kg | 300kg     | 300kg                | 300kg    | 300kg     |
| Control panel    | RIGEL6 | RIGEL6    | RIGEL6               | RIGEL6   | RIGEL6    |
| Cycle time       | 17 sec | 17 sec    | 16 sec<br>+ slowdown | 28 sec   | 28 sec    |
| Impact reaction  |        |           | hydraulic clutch     |          |           |
| Frequency of use |        |           | very intensive       |          |           |

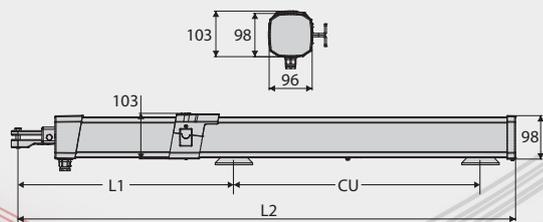
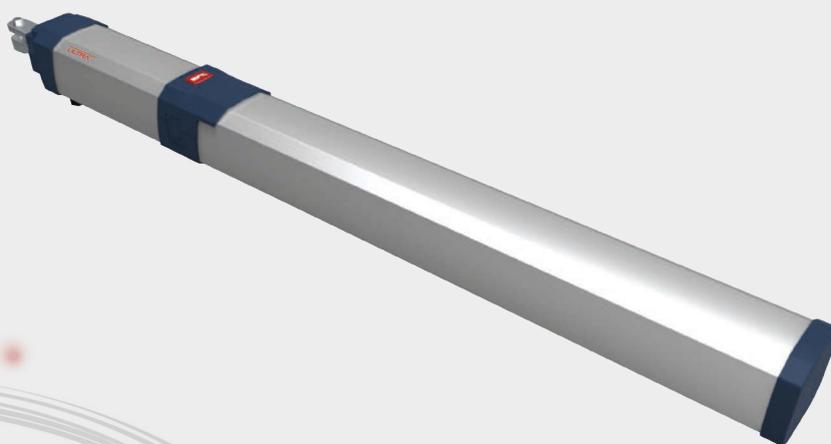
\* Same model available with slowdown in the closing phase only, LUX GV R. Both the Lux GVS and Lux GVR require some form of electric lock.



# GIUNO ULTRA BT A

## Hydraulic automation for swing gates

Complete range of 24v hydraulic operators for very intensive use, suitable for any type of residential, industrial or multi-residence application. Compact and sturdy, capable of automating swing gate leaves up to 5 metres wide and weighing up to 800 kg. Anti-crushing safety provided by the exclusive D-Track system.



|              | L1  | CU  | L2   |
|--------------|-----|-----|------|
| GIUNO BT A20 | 715 | 270 | 1116 |
| GIUNO BT A50 | 932 | 392 | 1381 |

### SPECIFICATIONS

|                  | GIUNO ULTRA BT A20 | GIUNO ULTRA BT A50 |
|------------------|--------------------|--------------------|
| Power supply     | 24v                | 24v                |
| Gate leaf length | 2m                 | 2m/ 5m*            |
| Max leaf         | 300kg              | 800kg/ 300kg*      |
| Control panel    | THALIA P           | THALIA P           |
| Cycle time       | 14 sec             | 20 sec             |
| Impact reaction  | d-track            | d-track            |
| Frequency of use | very intensive     | very intensive     |

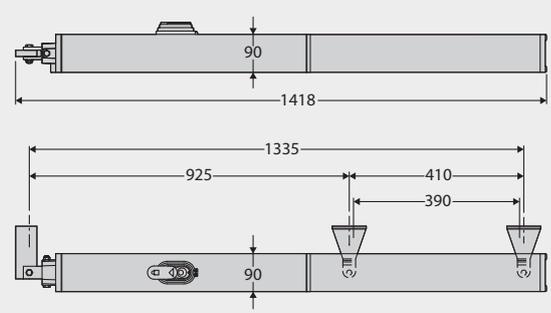
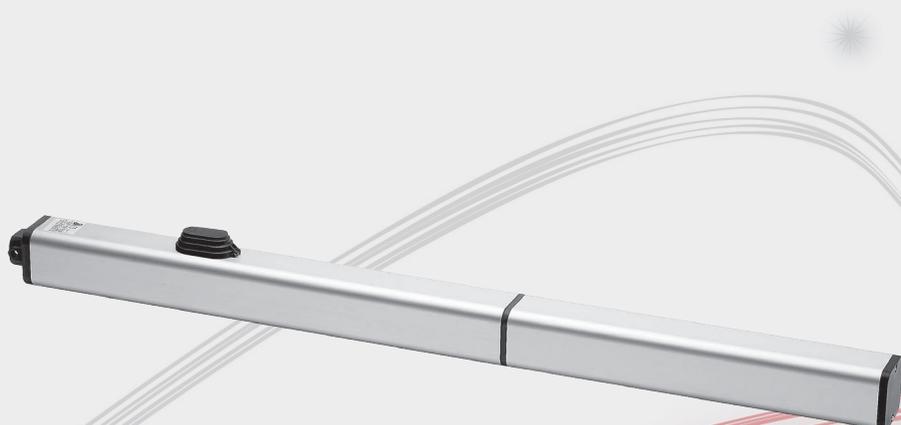
\*Although the Giuno Ultra BT A50 supports a maximum leaf length of 5m and maximum gate weight of 800kgs, please be aware that at 800kg, the maximum leaf length is 2m. On a 5m gate leaf, the maximum gate weight is 300kgs. Please refer to the instruction manual for more information.



# P4.5/ P7

## Hydraulic automation for swing gates

Extremely sturdy and reliable hydraulic operators for industrial and commercial use. They can automate swing gate leaves up to 7m wide and weighing up to 500kg. Smooth, silent gate movements are controlled by the extremely high-performance hydraulic system and the closing slowdown. Maximum precision in traction and thrust force control is provided by the bypass valve system.



### SPECIFICATIONS

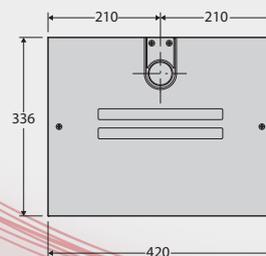
|                  | <b>P4.5</b>       | <b>P7</b>         |
|------------------|-------------------|-------------------|
| Power supply     | 230v              | 230v              |
| Gate leaf length | 4.5m              | 7m                |
| Max Leaf         | 500kg             | 500kg             |
| Control panel    | RIGEL6            | RIGEL6            |
| Cycle time       | 28 sec + slowdown | 42 sec + slowdown |
| Impact reaction  | hydraulic clutch  | hydraulic clutch  |
| Frequency of use | very intensive    | very intensive    |
| Lock required    | yes               | yes               |



# ELI 250

## Electromechanical automation for swing gates

We offer a complete range of self locking underground electromechanical motors for residential and small apartment usage. Between them these motors are suitable for a maximum gate leaf length of 3.5m and separately, a maximum gate leaf weight of 400kg. All three motors come complete with both the open and closed mechanical gate stops built into the foundation housing which means physical ground stops do not need to be fitted. The standard ELI 250 can also provide 180° operation by means of a chain kit. Obstacle detection, also known as stop & reverse, is available on all 3 motors.



### SPECIFICATIONS

|                  | <b>ELI 250 V</b> | <b>ELI 250</b>  | <b>ELI 250 BT</b> |
|------------------|------------------|-----------------|-------------------|
| Power supply     | 230v             | 230v            | 24v               |
| Gate leaf length | 2m               | 2.5m/ 3.5m      | 2.5m/ 3.5m        |
| Max Leaf         | 150kg            | 300kg/ 250kg    | 400kg/ 250kg      |
| Control panel    | RIGEL6           | RIGEL6          | THALIA L          |
| Cycle time       | 14 sec           | 28 sec          | 15 sec            |
| Impact reaction  | electric clutch  | electric clutch | d-track           |
| Frequency of use | intensive        | intensive       | intensive         |



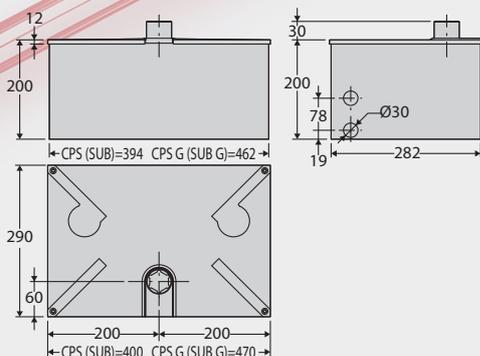
# SUB

## Hydraulic automation for swing gates

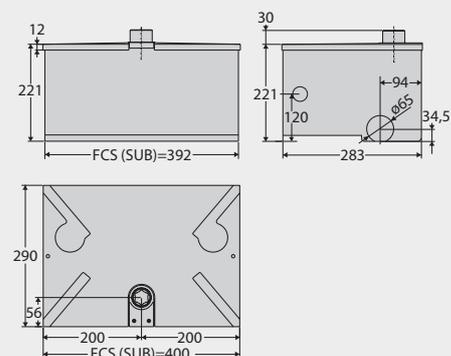
Complete range of 230v voltage underground hydraulic operators for very intensive use, suitable for any type of residential, industrial or multi-residence application. Compact and sturdy, capable of automating swing gate leaves up to 3.5 metres wide and weighing up to 800 kg. Available in locking and non-locking versions, with or without slowdown during opening and closing and with opening angles up to 180°.



180° foundation box



Standard foundation box



### SPECIFICATIONS

|                          | SUB R               | SUB    | SUB ER                 | SUB EL                 | SUB E                  | SUB G/ SUB GR  |
|--------------------------|---------------------|--------|------------------------|------------------------|------------------------|----------------|
| Power supply             | 230v                | 230v   | 230v                   | 230v                   | 230v                   | 230v           |
| Gate leaf length         | 1.8m                | 1.8m   | 2.5m                   | 3.5m                   | 2.5m                   | 1.8m/ 2m       |
| Max Leaf                 | 800kg               | 800kg  | 800kg                  | 800kg                  | 800kg                  | 800kg          |
| Control panel            | RIGEL6              |        |                        |                        |                        |                |
| Cycle time (through 90°) | 14 sec<br>+slowdown | 24 sec | 14 sec<br>+slowdown    | 33 sec                 | 24 sec                 | 33 sec/ 15 sec |
| Impact reaction          | hydraulic clutch    |        |                        |                        |                        |                |
| Frequency of use         | very intensive      |        |                        |                        |                        |                |
| Lock required            |                     |        | electric lock required | electric lock required | electric lock required |                |



## SUB BT

### Hydraulic automation for swing gates

Range of 24v hydraulic operators for very intensive use, suitable for any type of residential, industrial or multi-residence application. Compact and sturdy, they can automate swing gate leaves up to 2.5m wide and weighing up to 800kg. Fitted with mechanical stops and virtual encoder, providing maximum anti-crushing safety with the electronic slowdown and D-Track system



ee link



24 V



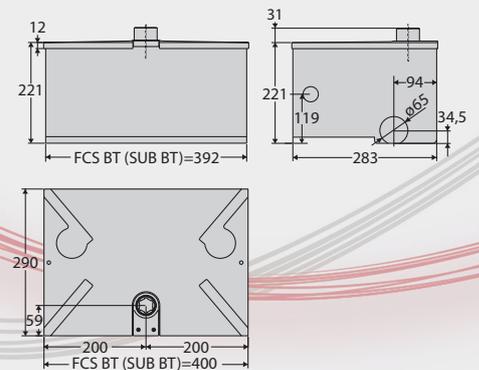
er ready



d-track



U-Link



#### SPECIFICATIONS

|                  | <b>SUB BT</b>                                      |
|------------------|--|
| Power supply     | 24v  |
| Gate leaf length | 2m (self-locking)<br>2.5m (electric lock required) |
| Max Leaf         | 800kg  |
| Control panel    | THALIA P   |
| Cycle time       | 9° per sec   |
| Impact reaction  | d-track  |
| Frequency of use | very intensive                                     |



## DEIMOS BT A

### Sliding gate automation systems

Operator for sliding gates weighing up to 600 kg. Maximum leaf speed up to 12 m/min. Newly designed magnetic limit switch for quicker installation; precise and suitable for residential use. Control board with U-Link protocol embedded.



ee link



24 V



er ready



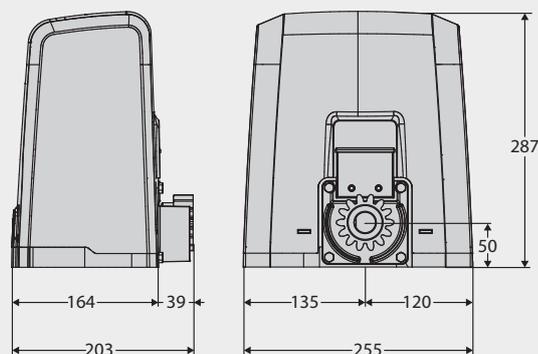
d-track



U-Link



Silentech



#### SPECIFICATIONS

|                  | DEIMOS BT A400 | DEIMOS ULTRA BT A600 |
|------------------|----------------|----------------------|
| Power supply     | 24v            | 24v                  |
| Max leaf         | 400kg          | 600kg                |
| Control panel    | HAMAL SL1      | MERAK SL2            |
| Gate speed       | 9 m/min        | 12 m/min             |
| Impact reaction  | d-track        | d-track              |
| Frequency of use | intensive      | intensive            |



## ARES ULTRA BT A

### Sliding gate automation systems

24 V sliding gates operator for intensive use, up to 1500 Kg in weight. Leaf speed up to 9 m/min. Magnetic limit switch and control board with U-link protocol embedded



ee link



24 V



er ready



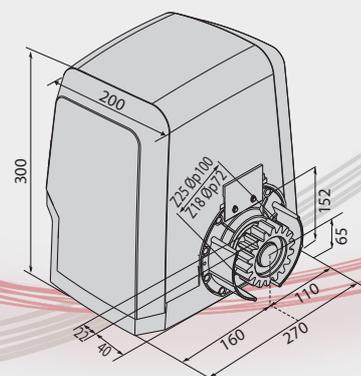
d-track



U-Link



Silentech



#### SPECIFICATIONS

|                  | ARES ULTRA BT A1000 | ARES ULTRA BT A1500 |
|------------------|---------------------|---------------------|
| Power supply     | 24v                 | 24v                 |
| Max Leaf         | 1000kg              | 1500kg              |
| Control panel    | MERAK-ARES          | MERAK-ARES          |
| Gate speed       | 9 m/min             | 9 m/min             |
| Impact reaction  | d-track             | d-track             |
| Frequency of use | intensive           | intensive           |



## ICARO

### Sliding gate automation systems

230V sliding gate operators for very intensive use, extremely sturdy and high-performance thanks to oil bath transmission. Control of torque via D-track technology and absolute encoder for maximum precision of movement. Control unit arranged for communication with U-link protocol and with tamper-proof function. The control unit ensures safety with the exclusive torque control system.



ee link



er ready



d-track



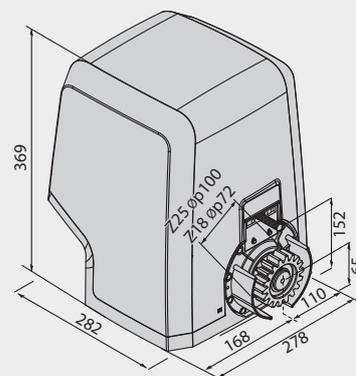
rolling code



U-Link



Encoder



#### SPECIFICATIONS

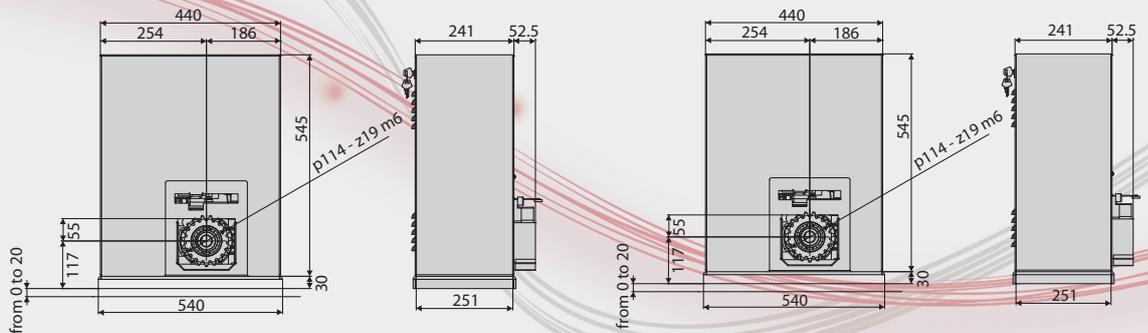
|                      | ICARO SMART AC A                | ICARO ULTRA AC A |
|----------------------|---------------------------------|------------------|
| Power supply         | 230v                            | 230v             |
| Max Leaf             | 2000kg                          | 2000kg           |
| Control panel        | Leo B CBB                       | Leo B CBB        |
| Gate speed           | 9 m/min                         | 9 m/min          |
| Impact reaction      | d-track                         | d-track          |
| Frequency of use     | very intensive                  | very intensive   |
| Type of limit switch | electromechanical spring switch | magnetic         |



# OBERON & SP3500

## Sliding gate automation systems

Powerful, sturdy 230V or 400V three-phase operators, specially designed for large-size, heavy gates. The heavy structure of the gear motor, the painted galvanised steel casing and the on-board control unit make it the ideal solution for all industrial situations where reliability and power are essential.



### SPECIFICATIONS

|                  | OBERON   | SP3500            |
|------------------|--|-------------------|
| Power supply     | 230v inverted up to 400v   | 400v 3-phase      |
| Max Leaf         | 2000kg   | 3500kg            |
| Control panel    | SIRIO C BA   | SIRIO CBB 400     |
| Gate speed       | opening 39 m/min max (adjustable)<br>closing 25 m/min max (adjustable) | 10.5 m/min        |
| Impact reaction  | electromechanical brake and clutch                                     | mechanical clutch |
| Frequency of use | very intensive   | very intensive    |



## RIGEL 6

Universal control panel with LCD display for swing operators



ee link



er ready



U-Link



Universal control board with display for one or two swing gate leaves, 230V - 650+650W. Main features: removable terminal blocks, programming and diagnostics with display, built-in four-channel receiver, electro lock, electronic torque limiter, electronic deceleration at opening and closing, a separate limit switch inputs for each motor, traffic light management, preheating hydraulic operators, weekly timer, possibility to delete a specific remote control, customisation of the 4 radio channels, personalisation of the duration of the delayed output, adjustable sensitivity to the obstacle.



## THALIA L/ THALIA P

Universal control panels with LCD display for swing operators



U-Link



d-track



24 V



Control panel for one or two 24v operators for swing gates. The main features include removable terminal blocks with new standard colour-coding, simplified scenario based programming with display and incorporated dual channel receiver, D-Track anti-crushing system, slowdown during opening and closing and electronic self learning.

# Team up with us: be ahead!

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This is who we are today: a company focused on the needs of the present, with an eye looking to the future. A professional, people-friendly company, capable of taking its partners by the hand and, thanks to a full access specialist approach, propelling them along at a dynamic pace that will ensure they are always out there in front. A company where the technical component is supported by the power of passion, where engineering expertise is complemented by the brilliance of keen inventiveness. Because we like to listen to you, understand you, address your needs and offer new opportunities; always giving you the best and offering you tools that are increasingly sophisticated, designed to enhance your performances. A fast, smart technology, with its foot always on the accelerator: ensuring you steam ahead at the pace of innovation and that, together with you, it is always one step ahead.



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