



Automation for gates and doors



Catalogue 2023 - English

2023



## GENERIC icons



Article



Patented



Product in conformity with European rules



Quantity per package



Diameter



Max packaging per pallet



Operator with Encoder for position management and obstacles detection



3 years warranty



Operator with 2 channels Encoder for position management and obstacles detection



Integrated control board



Limit switches  
M = magnetic limit switches  
E = electromechanical limit switches  
S = mechanical stop



Not self-locking operator  
(C=self-locking in closed position)  
(A=self-locking in opened position)



Use intensity  
\* Residential  
\* \* Semi-intensive  
\* \* \* Intensive  
\* \* \* \* Continuous use



Motor power supply



Electric-lock



Catalogue page



## SPECIFIC icons



Bollard's height



Maximum Thrust



Maximum opening angle



Maximum door weight



Rounds per minute



Product weight



Stroke



Thickness



Traction force



Maximum surface



Boom length





































Opening time



Maximum door length



Inverter technology

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# 1993

Piovene Rocchette - Italy

## DEA System comes to life

DEA's **vision** has always been **multinational** from the very beginning of its activities. We exported our challenge and values **30 years ago**, becoming a company highly renowned and appreciated worldwide for its quality automation products.



## Branches in EEC and non-EEC countries

7 branches have been opened since 2012: this is the result of the **increasing need for local resource and capability**, coming from the positive feedback received by the international markets.

Six branches in France, two in the UK, one in Germany, Spain, Portugal, Belarus and Poland contribute to the promotion of the DEA brand, while guaranteeing and protecting the quality of its products.

- ✓ Italy (Piovene Rocchette HQ)
- ✓ France (Lyon, Nantes, Toulouse, Bordeaux, Montpellier, Marseille)
- ✓ United Kingdom (Hatfield - GB, Cookstown - IRE)
- ✓ Spain (Barcelona)
- ✓ Portugal (Viseu)
- ✓ Germany (Markt Indersdorf)
- ✓ Poland (Kęty)
- ✓ Belarus (Minsk)





210

People all over the world



2

Production plants in Italy



Experience the world motorbike  
championship with DEA





Official Sponsor 2023-2024

# NET230-EVO-I

Available in Q2 2023

Programmable control module via display with more than **150 parameters** to be combined with 1-2 motor power modules with inverter technology (**NET-M230-I**)

## ✔ Programmable inputs

12 programmable inputs with 4 COM terminals

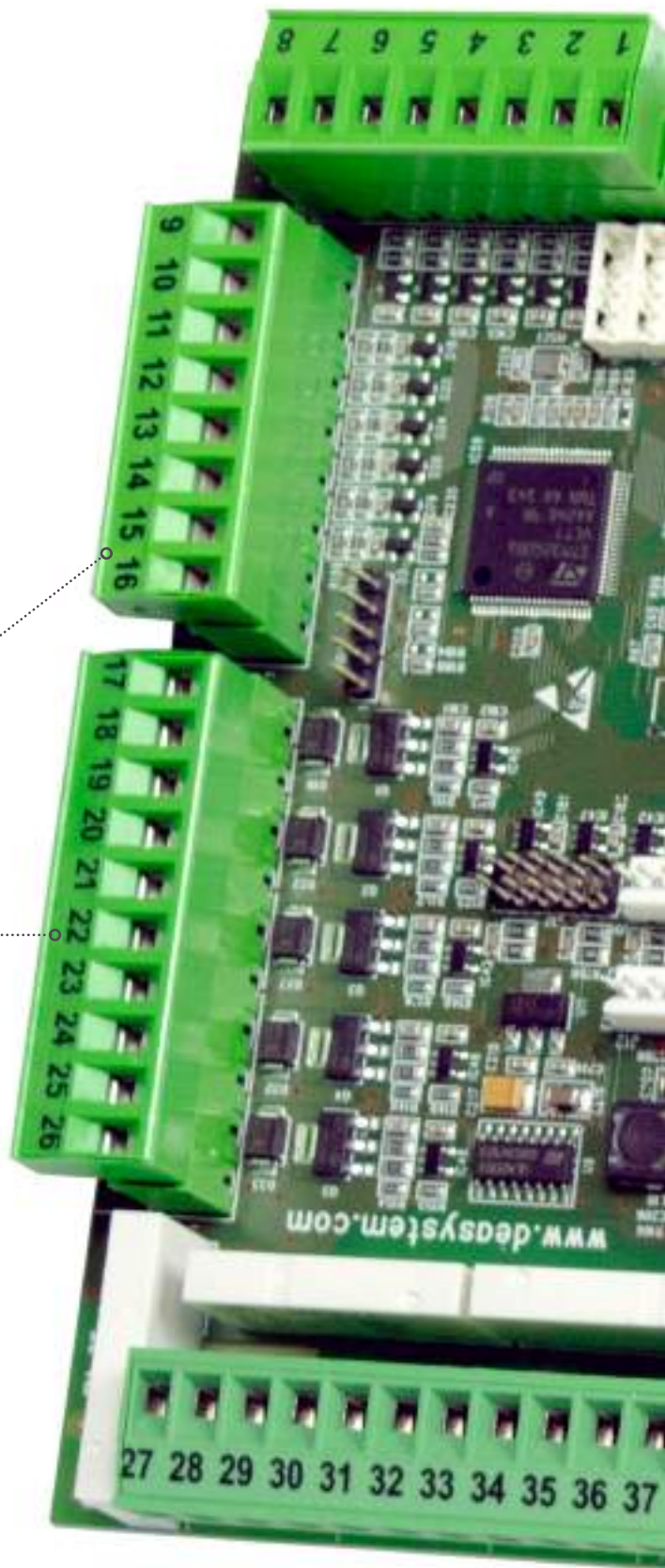
## ✔ Programmable outputs

- 5 programmable outputs in 24V
- 1 24V output for accessories max. 1A
- 4 programmable relay outputs (max 6A / 250V AC / 30V DC)

## ✔ Integrated receiver



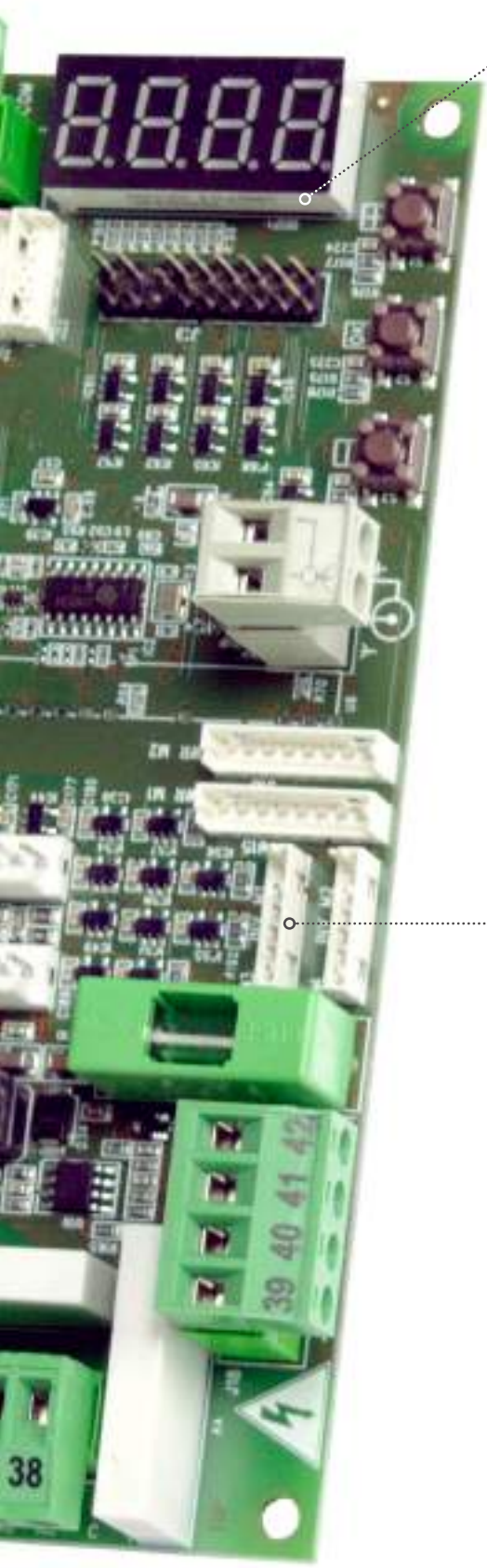
Capable of storing up to **200** remote controls



Want to be updated about the release of this product? Subscribe to our newsletter!







## ✓ New functions

We have added new parameters to **customise** your installation.

For example:

- activation of an output when the automation does not return to the closed position after a set time
- **STATUS** function for outputs

## ✓ NETLINK Technology



Compatible with the NETLINK system to connect **NET-NODE** (local management) and **NET-COM** (remote management)

## ✓ Improved diagnostics

You can identify errors in the control board with a high level of detail, allowing you to take targeted action.

## ✓ NET-M230-I

Inverter module for controlling a 230V single-phase or three-phase operator

UART



# GULLIVER/N

Available in Q3 2023

Reliability as always with a new look and more power.

## Increased performance



**2500kg** - 230V single-phase version with NET230N



**3000kg** - 230V three-phase version with NET230-EVO-I





Want to be updated about the release of this product? Subscribe to our newsletter!



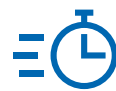
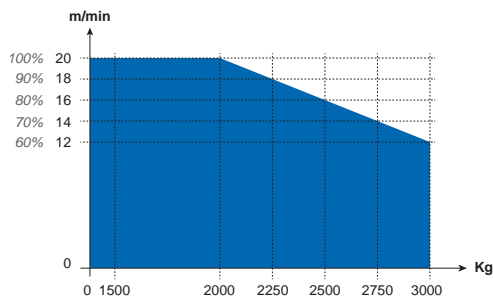
### ✓ DIN rail

GULLIVER/N/M, 230V single-phase, supplied with DIN rail.



### ✓ More speed, more control

Thanks to the new NET230-EVO-I control unit with integrated inverter technology.



max 20 m/min



### ✓ Accessibility

Easier accessibility thanks to the frontal position of the board and the stand that rotates up to 120°.

✔ **Encoder operation and forced ventilation**



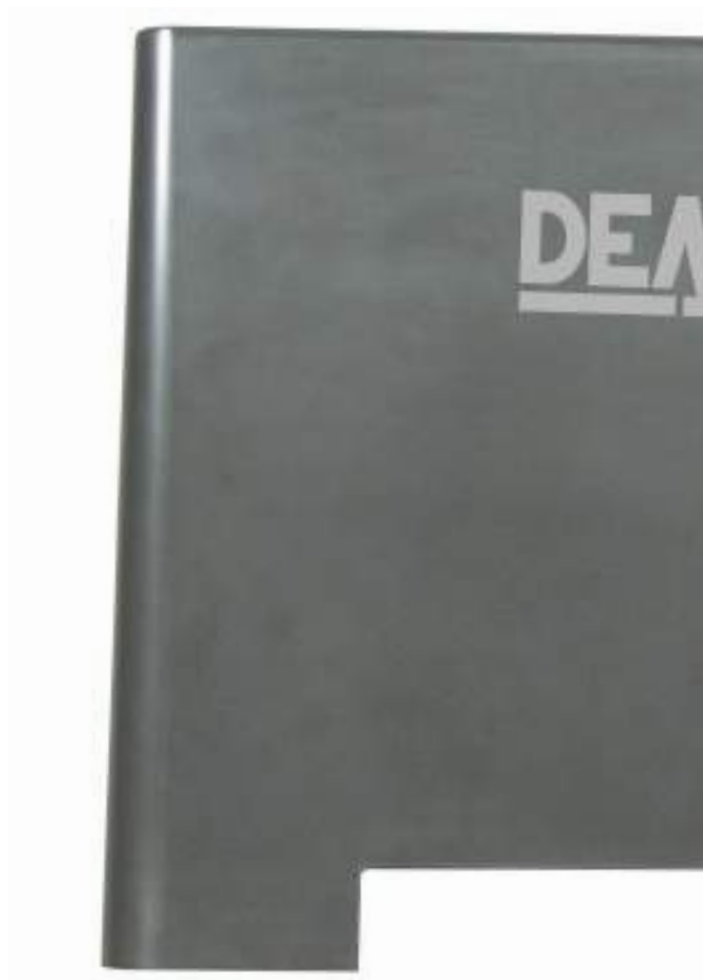
✔ **Magnetic limit switch**



✔ **Easy adjustment**

Easy adjustment of installation depth

also compatible on old installations with GULLIVER





Want to be updated  
about the release of this product?  
Subscribe to our newsletter!



## Complete installation

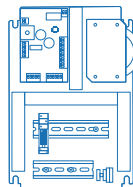
Ideal for use with PROBOX and STEELBOX in combination with IRONBOX



IRONBOX  
cod. 619080



Installation example with GULLIVER/N version IB



NET230N/  
PROBOX  
cod. 677611

+



STEELBOX  
cod. 679210

NET230EVO-  
I-PROBOX  
cod. 677663

+

NET-  
EXPANSION  
cod. 677620



# TRAFIK/N

Available in Q2 2023

The attractively designed continuous-use barrier is now even more high-tech with the new **NET230-EVO-I** control board with inverter technology, which is easier to program and has new features.



## NET230-EVO-I

New control board NET230-EVO-I, consisting of a control module (**NET-CPU-EVO**) and a power module with inverter technology (**NET-M230-I**) for a 230V single-phase or three-phase operator



# REV24/M BOOST

Available in Q2 2023

Faster, safer. This is our new **REV BOOST** operator!



## Fast operator

 26m/min

 1200kg

New **NET24N BOOST** board for easy speed and deceleration management



Magnetic limit switches



Want to be updated  
about the release of this product?  
Subscribe to our newsletter!




# DIGIRAD/N


Available in Q2 2023

The new DEA keypad with **batteries**.

2 x  **CR2450**  **2 YEARS**

 **-20÷50 °C**

 **433,92 MHz**

 **Rolling Code  
Dip Switch  
D.A.R.T.**

**IP** **IP54**

 **40m - 200m**

**CH** **4**

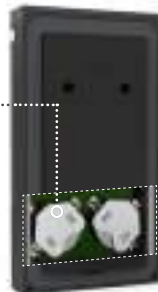
 **200 g**

 **max. 300 codes  
2 - 8 digits**

 **IK08**

 **137x74x28 mm**

With **batteries\***, perfect for installations where a cable power supply is not possible



\*average battery life 2 years, depends on lighting settings and activation times







## ✓ NETLINK Technology \*Q3 2023\*



Integrated Bluetooth module for programming and updating via DEAinstaller app

## ✓ 4 433MHz radio channels

It can manage up to **4 different automations** (e.g. main gate, entrance door, garage door and overhead door) and 300 codes

## ✓ Material resistance

Painted composite material for high UV resistance

## ✓ Protection against vandalism

IK08 degree of resistance offering excellent protection against impact or possible external damage

## ✓ Backlit buttons

Adjusting intensity and activation time

## ✓ Choose your favourite colour

The DIGIRAD/N keypad can be customised in two optional colours. (DIGICOVER)



art. DIGICOVER SILVER  
cod. 679250



art. DIGICOVER CORTEN  
cod. 679251



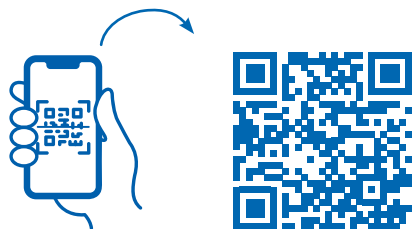
Want to be updated  
about the release of this product?  
Subscribe to our newsletter!



# REVERSIBLE range

**Already available!**

## REV220/RF - REV220/RFM



Scan the QR CODE to view the landing page dedicated to this operator

Supplied with an electric brake which deactivates in the event of power failure and unlocks the operator



## STING/24/R



Scan the QR CODE to view the landing page dedicated to this operator

Supplied with relay and DIN rail socket that unlock the operator in the event of a power failure.



## OLI 604N - OLI 604LN - OLI 606N - OLI 606LN



Scan the QR CODE to view the landing page dedicated to this operator

Reversible even without disconnecting the power supply.





# NETCOM

**Installations maintenance and remotes  
management.**

All the functions you need in just one device. From  
your office.

# Remote management

NETCOM is a multi-faceted tool that adapts to different kinds of usage.



**Set scheduled maintenance operations**  
(Feature: "Maintenance calendar")



**Define when a user can enter or exit**  
(Feature: "Time slots")



**Set an automatic opening/closing of the gate**  
even with operators of other brands.  
(Feature: "Timer" for automatic actions)



**Choose your holidays:** decide when automatic actions can be deactivated  
(Feature: "Automatic actions calendar")

NETCOM is to be used with DEACloud: the website that allows you to manage all your devices with NETLINK technology.

<https://cloud.deasystem.com>



Watch the video!





#### Remotes

Manage  
Add  
Edit  
Delete



#### DEAuser app

Enable and disable users  
Edit passwords



#### GSM call

Enable and disable users  
Activate one or more devices on the sites with one call



#### Program NETLINK devices

DE@NET control boards  
DEAuser app receivers



**Check for any fault on the site**  
and act promptly in case of fault



**Check who went in or out**  
(Feature: "Event Log")



**Check if any safety device has been activated**  
(Feature: "Event Log")



**Check the authorisations of the users**  
Decide who can open the gate and which automations the user can control



# SLIDING GATES



Automation for residential, collective and industrial sliding gates



## LIVI/N

- Up to 900 kg
- 230V / 24V
- Residential use
- Operators with encoder
- Available in fast version, BOOST models (16mm/s)



## REV

- Up to 1400 kg
- 230V / 24V
- Collective and industrial use
- Operators with encoder, not self-locking version available

NEW



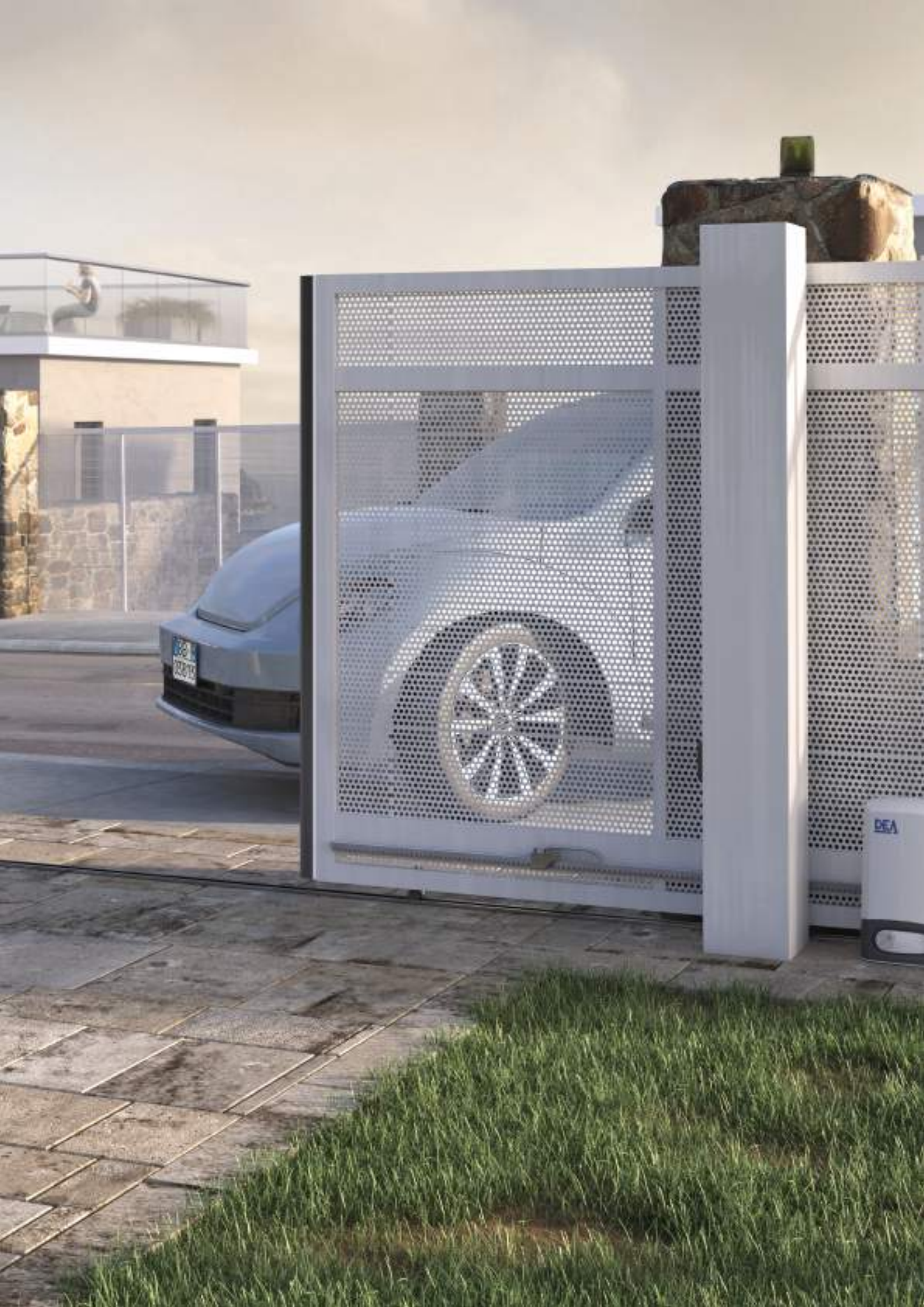
## GULLIVER/N

- Up to 3000 kg
- 230V
- Industrial use
- Operators with encoder, available with electro-mechanical brake

## SELECTION GUIDE

Select the right automation

							Art.	
400 kg	230V	212E	●				LIVI 403N	
600 kg	24V	NET24N	●				LIVI 6/24N	
							LIVI 6/24N-BOOST	
	230V	NET230N	●	✓			LIVI 6N	
800 kg	230V	212E	●				LIVI 803N	
900 kg	24V	NET24N	●				LIVI 9/24N	
	230V	NET230N	●	✓			LIVI 9N	
1200 kg	24V	NET24N BOOST	● ● ●				REV24/M-BOOST	
1400 kg	24V	NET24N	● ● ●				REV24	
	230V	NET230N	● ● ●	✓			REV220	
			● ● ● ●	✓	✓	✓	REV220/RF	
2500 kg	230V	NET230N	● ● ● ●	✓			GULLIVER/N/M	
3000 kg	230V	NET230 EVO-I	● ● ● ●	✓			GULLIVER/N/3P/F/M	
							GULLIVER/N/3P/M	





# LIVIN

## Automation for residential sliding gates

up to 900 Kg



The DE@NET universal control board makes this operator **compatible with NETLINK System**.

 175



Compatible with **NETCOM**, the device for the installations maintenance and remotes management, **from your office!**

 176



Compatible with **DEAuser** and **DEAinstaller**, the smartphone Apps to manage installations **locally**.

 177



Compatible with **NETBOX**, the device **for managing remotes** from your office.

 181



# LIV/N

Control board positioned in a lifted position at the front. Always accesible and perfect for small or narrow spaces.



All our products are made with high quality materials, such as steel and bronze, which guarantee reliability over time.



**To program this engine with the DE@installer app, the NET-NODE interface device must be used.**

**NET-NODE has its own specific housing inside the motor and allows the smart device to communicate with the control unit.**

Battery kit with dedicated support (optional and only for 24V models), to guarantee operation during power outages



Models available with magnetic limit switches

Compatible with external cable release (item 450N and item BLINDOS - optional), to always have safe access from outside the property

The DE@NET universal control board makes this operator compatible with NETLINK System.



Compatible with NETCOM, the device for installation maintenance and remote control management!

The fixing system with invisible plate and threaded bar guarantees a quick and compact installation



LIV/N	Opening speed	10 m/min
LIV/N-BOOST		16 m/min

Note: the opening speed could decrease according to the installation characteristics



### 230V ~ operators with control board, limit switches and encoder



COD.	Art.	EN	Kg	Encoder	DEA	ENCODER	OTHER CHARACTERISTICS
614700	LIVI 6N	EN 12453 EN 12449	600 kg	Encoder	NET230N	✓	<ul style="list-style-type: none"> <li>Irreversible with limit switches (magnetic only for 6N/M and 9N/M versions)</li> <li>Speed adjustment and slow down in opening and closing</li> <li>Motor control by encoder and obstacle detection</li> <li>Anti-crushing safety device</li> </ul>
614701	LIVI 6N/M	EN 12453 EN 12449	600 kg	Encoder	NET230N	✓	
615700	LIVI 9N	EN 12453 EN 12449	900 kg	Encoder	NET230N	✓	
615701	LIVI 9N/M	EN 12453 EN 12449	900 kg	Encoder	NET230N	✓	

All models have: control board and fixing plate (to be screwed) included

### 24V = operators with control board and limit switches



COD.	Art.	EN	Kg	Encoder	DEA	OTHER CHARACTERISTICS
614750	LIVI 6/24N/F	EN 12453 EN 12449	600 kg	Encoder	NET24N	<ul style="list-style-type: none"> <li>Irreversible with limit switches (magnetic only for 6/24N/M, 6/24N/M-BOOST and 9/24N/M versions)</li> <li>Speed adjustment and slow down in opening and closing</li> <li>Anti-crushing safety device</li> <li>Versions with increased speed only in BOOST models (16m/min)</li> </ul>
614752	LIVI 6/24N/M	EN 12453 EN 12449	600 kg	Encoder	NET24N	
614751	LIVI 6/24N/F-BOOST	EN 12453 EN 12449	600 kg	Encoder	NET24N	
614753	LIVI 6/24N/M-BOOST	EN 12453 EN 12449	600 kg	Encoder	NET24N	
615750	LIVI 9/24N/F	EN 12453 EN 12449	900 kg	Encoder	NET24N	
615751	LIVI 9/24N/M	EN 12453 EN 12449	900 kg	Encoder	NET24N	

All models have: control board and fixing plate (to be screwed) included

### 212E 230V ~ operators with control board and limit switches



COD.	Art.	Kg	Encoder	DEA	OTHER CHARACTERISTICS
614702*	LIVI 403N*	400 kg	Encoder	212E	<ul style="list-style-type: none"> <li><b>ATTENTION: not compatible with NETLINK</b></li> <li>Self-locking with limit switches</li> <li>Electronic force adjustment</li> <li>Automatic working time learning</li> <li>Controlled input for external safety device</li> </ul>
615702*	LIVI 803N*	800 kg	Encoder	212E	

All models have: fixing plate (to be screwed) included

\* In order to respect the limit of impact forces foreseen by EN 12453, you must use the external safety devices in compliance with EN 12978.

Scan the QR CODE to view the landing page dedicated to this operator



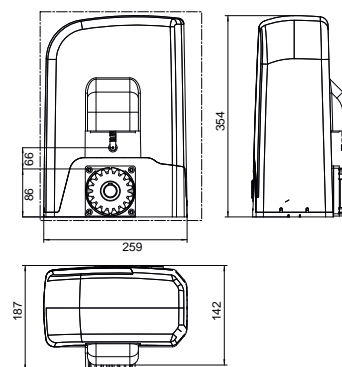
TECHNICAL INFO	LIVI 403N - LIVI 6N LIVI 6N/M	LIVI 803N - LIVI 9N LIVI 9N/M	LIVI 6/24N/F LIVI 6/24N/M	LIVI 6/24N/F-BOOST LIVI 6/24N/M-BOOST	LIVI 9/24N/F LIVI 9/24N/M
Motor power supply (V)	230V ~ ±10% (50/60 Hz)		24V =		
Maximum power absorption (W)	320	450	80		110
Max thrust (N)	340	490	210	240	260
Duty cycle (cycles/h)*	18	11	22		18
N. max. cycles in 24h*	60	40	60		40
Built-in capacitor (µF)	8	12,5	\		
Operating temperature (°C)	-20 ÷ 50				
Motor thermal protection (°C)	140	160	\		
Speed (m/min)	10		16		10
Standard pinion	Z16	Z16	Z16	Z16	Z16
Weight with packing (Kg)	11	12,5	12		
Sound pressure (dBA)	< 70				
Protection level	IPX4 (IP44 for versions with magnetic limit switches)				

\* For a 5m leaf length

### EXAMPLE OF A TYPICAL INSTALLATION



### DIMENSIONS



**KIT**

**1** **COD. 614700**  
**Art. LIVI 6N**  
Automation for residential sliding gates

**2** **COD. 619000**  
**Art. 111**  
Nylon rack, with fixing screws (1m)

**KIT**

**3** **COD. 662080**  
**Art. LINEAR/XS**  
Pair of mini synchronizable photocell for outdoor installation. Maximum range 20m

**4** **COD. 664000**  
**Art. PILLY/60**  
Pair of 55cm column for photocells (2 pcs)

**5** **COD. 171035**  
**Art. C-20**  
Mechanical edge L=2m

**6** **COD. 663090**  
**Art. GT-KEY**  
Metal vandal proof keyswitch with two contacts, surface mounted. Supplied with 2 keys.

**KIT**

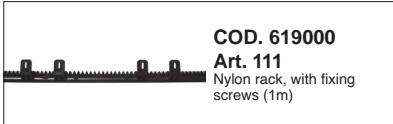
**7** **COD. 661130**  
**Art. AURA N**  
LED flashing light, multi-voltage 24AC-DC /120AC/230AC, with integrated antenna 433MHz/868MHz

**KIT**

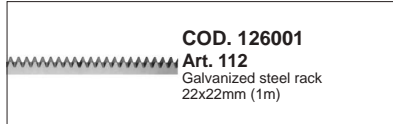
**COD. 672645**  
**Art. GT14**  
Serialized white 4-channel remote control, 433 MHz, with 3 coding options: HCS Rolling-Code, Dip-Switch and new D.A.R.T. coding.

**KIT** for further details on the kits see price list

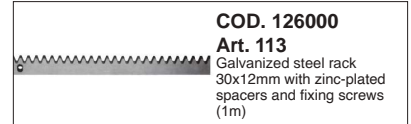
## SPECIFIC ACCESSORIES



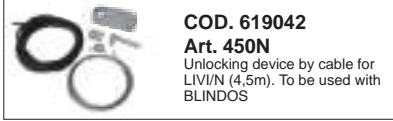
**COD. 619000**  
**Art. 111**  
Nylon rack, with fixing screws (1m)



**COD. 126001**  
**Art. 112**  
Galvanized steel rack 22x22mm (1m)



**COD. 126000**  
**Art. 113**  
Galvanized steel rack 30x12mm with zinc-plated spacers and fixing screws (1m)



**COD. 619042**  
**Art. 450N**  
Unlocking device by cable for LIVI/N (4,5m). To be used with BLINDOS



**COD. 619013**  
**Art. 460N V2**  
Additional foundation plate for LIVI/N



**COD. 672920**  
**Art. D-BAND KIT**  
Wireless transmitter and receiver kit in 868 MHz, for resistive or mechanical safety edges



**COD. 171034**  
**Art. C-16**  
Mechanical edge L=1.6m



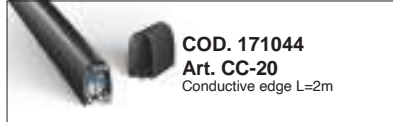
**COD. 171035**  
**Art. C-20**  
Mechanical edge L=2m



**COD. 171039**  
**Art. CR-20**  
Resistive edge L=2m



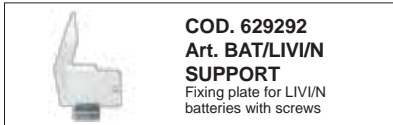
**COD. 171040**  
**Art. CR-25**  
Resistive edge L=2,5m



**COD. 171044**  
**Art. CC-20**  
Conductive edge L=2m



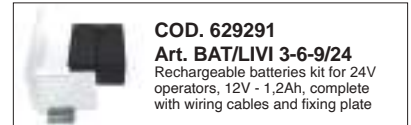
**COD. 667053**  
**Art. SOFT3**  
Safety rubber profile (complete with aluminium base) useful to reduce the impact forces for sliding and swing gates (12m)



**COD. 629292**  
**Art. BAT/LIVI/N SUPPORT**  
Fixing plate for LIVI/N batteries with screws



**COD. 665000**  
**Art. BLINDOS**  
Aluminium safety enclosure, with European cylinder, ready for unlocking device by cable.



**COD. 629291**  
**Art. BAT/LIVI 3-6-9/24**  
Rechargeable batteries kit for 24V operators, 12V - 1,2Ah, complete with wiring cables and fixing plate



# REV

## Automation for collective sliding gates

up to 1400 Kg



The DE@NET universal control board makes this operator **compatible with NETLINK System**.

 175



Compatible with **NETCOM**, the device for the installations maintenance and remotes management, **from your office!**

 176



Compatible with **DEAuser** and **DEAinstaller**, the smartphone Apps to manage installations **locally**.

 177



Compatible with **NETBOX**, the device **for managing remotes** from your office.

 181



# REV



Additional fan ventilation (230V versions), with magnetic encoder



Control board positioned in a lifted position at the front. Always accessible and perfect for small or narrow spaces



Models available with magnetic limit switches



The reversible models of this operator allow the manual movement of the gate without having to unlock the motor and satisfy some safety measures typical of installations in public contexts.



Compatible with IRONBOX and IRONBOX/XS vandal-proof box for installations in challenging or industrial environments



**NETCOM**

Compatible with NETCOM, the device for installation maintenance and remote control management!



<b>REV24/M BOOST</b>	Opening speed	<b>26 m/min</b>
----------------------	---------------	-----------------

Note: the opening speed could decrease according to the installation characteristics



The DE@NET universal control board makes this operator compatible with NETLINK System.





### 230V ~ operators with control board, limit switches and encoder



COD.	Art.					OTHER CHARACTERISTICS
616000	REV220	1400 kg*		NET230N	✓	<ul style="list-style-type: none"> <li>• Self-locking with limit switches</li> <li>• Speed adjustment and slow down in opening and closing</li> <li>• Motor control by encoder and obstacle detection</li> </ul>
616003	REV220/M	1400 kg*		NET230N	✓	<ul style="list-style-type: none"> <li>• Self-locking</li> <li>• Magnetic limit switches</li> <li>• Speed adjustment and slow down in opening and closing</li> <li>• Motor control by encoder and obstacle detection</li> </ul>
616001	REV220/RF	1400 kg*		NET230N	✓	<ul style="list-style-type: none"> <li>• Not self-locking with brake in opening and closing</li> <li>• Limit switches</li> <li>• Oil bath</li> <li>• Speed adjustment and slow down in opening and closing</li> <li>• Motor control by encoder and obstacle detection</li> </ul>
616004	REV220/RFM	1400 kg*		NET230N	✓	<ul style="list-style-type: none"> <li>• Not self-locking with brake in opening and closing</li> <li>• Magnetic limit switches</li> <li>• Oil bath</li> <li>• Speed adjustment and slow down in opening and closing</li> <li>• Motor control by encoder and obstacle detection</li> </ul>

For all models (IB version excluded): control board and fixing plate included

\* If using an oversized pinion art. Z22, the maximum weight of the leaf should be reduced by 30%

### 24V ~ operators with control board and limit switches

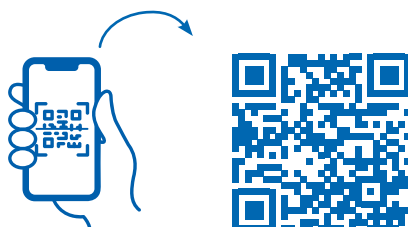


COD.	Art.				OTHER CHARACTERISTICS
616011	REV24/F	1400 kg*		NET24N	<ul style="list-style-type: none"> <li>• Self-locking with limit switches</li> <li>• Speed adjustment and slow down in opening and closing</li> </ul>
616012	REV24/M	1400 kg*		NET24N	<ul style="list-style-type: none"> <li>• Self-locking</li> <li>• Magnetic limit switches</li> <li>• Speed adjustment and slow down in opening and closing</li> </ul>
<b>NEW</b> 616025	<b>REV24/M BOOST</b> *Q2 2023*	1200 kg		NET24N BOOST	<ul style="list-style-type: none"> <li>• Self-locking</li> <li>• Magnetic limit switches</li> <li>• Speed adjustment and slow down in opening and closing</li> </ul>

For all models (IB version excluded): control board and fixing plate included

\* If using an oversized pinion art. Z22, the maximum weight of the leaf should be reduced by 30%. **ATTENTION: Not for use with REV24/M BOOST**

Scan the QR CODE to view all the content we have created on this operator

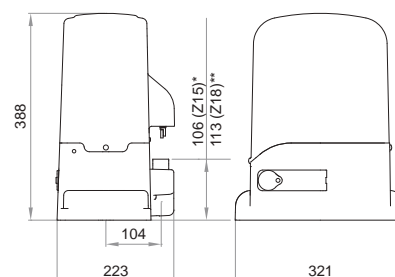


TECHNICAL INFO	REV220 - REV220/M REV220/IB	REV220/RF - REV220/RFM REV220/RF/IB	REV24/F - REV24/M REV24/IB	REV24/M BOOST
Motor power supply (V)	230V ~ ± 10 % (50/60 Hz)		24V $\approx$	
Maximum power absorption (W)	500		250	800
Max thrust (N)	900	1200	450	861
Leaf max weight (kg)	1400Kg			1200Kg
Duty cycle (cycles/hours) for an 8m leaf length	27 for gates up to 1000kg 22 for gates up to 1400kg		36 for gates up to 1000kg 31 for gates up to 1400kg	22 for gates up to 1200kg
Built-in capacitor ( $\mu$ F)	14	12,5	\	
Operating temperature ( $^{\circ}$ C)	(-20 $^{\circ}$ ) - (50 $^{\circ}$ )			
Motor thermal protection ( $^{\circ}$ C)	150		\	
Speed (m/min)	10		12	26
Standard pinion	Z18	Z15	Z18	
Weight with packing (Kg)	18			
Sound pressure (dBA)	< 70			
Protection level	IPX4 (IP44 with magnetic limit switches)			

### EXAMPLE OF A TYPICAL INSTALLATION

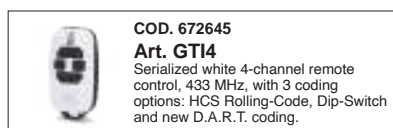
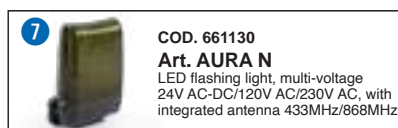
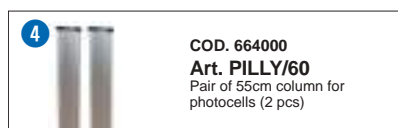
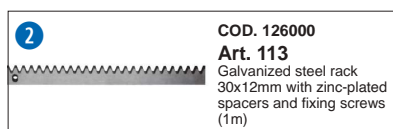


### DIMENSIONS

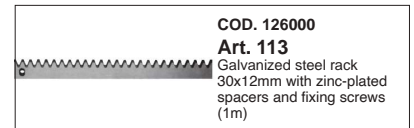
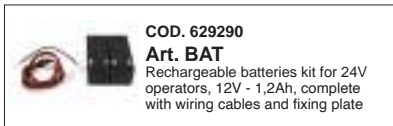
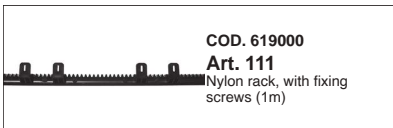


\* art. REV220/RF - REV220RFM

\*\*art. REV220 - REV220/M - REV24/F - REV24/M



## SPECIFIC ACCESSORIES



\* If using an oversized pinion art. Z22, the maximum weight of the leaf should be reduced by 30%  
**WARNING: Not to be used with REV24/M BOOST**



re

DEA

# GULLIVER/N

## Automation for industrial sliding gates

up to 3000 Kg



The DE@NET universal control board makes this operator **compatible with NETLINK System**.

 175



Compatible with **NETCOM**, the device for the installations maintenance and remotes management, **from your office!**

 176



Compatible with **DEAuser** and **DEAinstaller**, the smartphone Apps to manage installations **locally**.

 177



Compatible with **NETBOX**, the device **for managing remotes** from your office.

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# GULLIVER/N



Operator with encoder technology and forced ventilation for intensive use



Easy depth adjustment and compatibility even on old installations with GULLIVER



More speed and more control thanks to the new NET230-EVO-I control board with integrated inverter technology.



Magnetic limit switch



Front control board, with transparent cover and visible display, with stand that can rotate up to 120°.

Metal mechanics and steel and bronze gears for maximum performance and durability

The DE@NET universal control board makes this operator compatible with NETLINK System.



**NEW**

Compatible with IRONBOX vandal-proof box for installations in challenging or industrial environments



**NETCOM**

Compatible with NETCOM, the device for installation maintenance and remote control management



**NEW**  
Q3 2023



### 230V ~ operator with control board, limit switches and encoder



COD.	Art.	Art.	Art.	DEA	ENCODER	Art.	OTHER CHARACTERISTICS
NEW 613601	GULLIVER/N/M	2500 kg	●●●	NET230N	✓		<ul style="list-style-type: none"> <li>• Self-locking</li> <li>• Magnetic limit switches</li> <li>• Speed adjustment and slow down in opening and closing</li> <li>• Motor control by encoder and obstacle detection</li> </ul>

For all models (IB version excluded): control board and fixing plate included

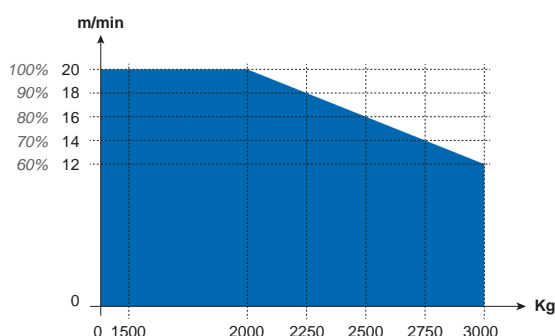
### 230V ~ three-phase operators with control board, limit switches, encoder, inverter technology



COD.	Art.	Art.	Art.	DEA	ENCODER	Art.	OTHER CHARACTERISTICS
NEW 613612	GULLIVER/N/3P/F/M	3000 kg	●●●	NET230 EVO-I	✓	✓	<ul style="list-style-type: none"> <li>• Self-locking with magnetic limit switch</li> <li>• Speed adjustment and slow down in opening and closing</li> <li>• Motor control by encoder and obstacle detection</li> <li>• Electromechanical braking device (only for version art. GULLIVER/N/3P/F/M)</li> <li>• <b>Inverter technology</b></li> </ul>
613611	GULLIVER/N/3P/M	3000 kg	●●●	NET230 EVO-I	✓	✓	<ul style="list-style-type: none"> <li>• Self-locking</li> <li>• Magnetic limit switches</li> <li>• Speed adjustment and slow down in opening and closing</li> <li>• Motor control by encoder and obstacle detection</li> <li>• <b>Inverter technology</b></li> </ul>

For all models (IB version excluded): control board and fixing plate included

### Maximum speed scheme

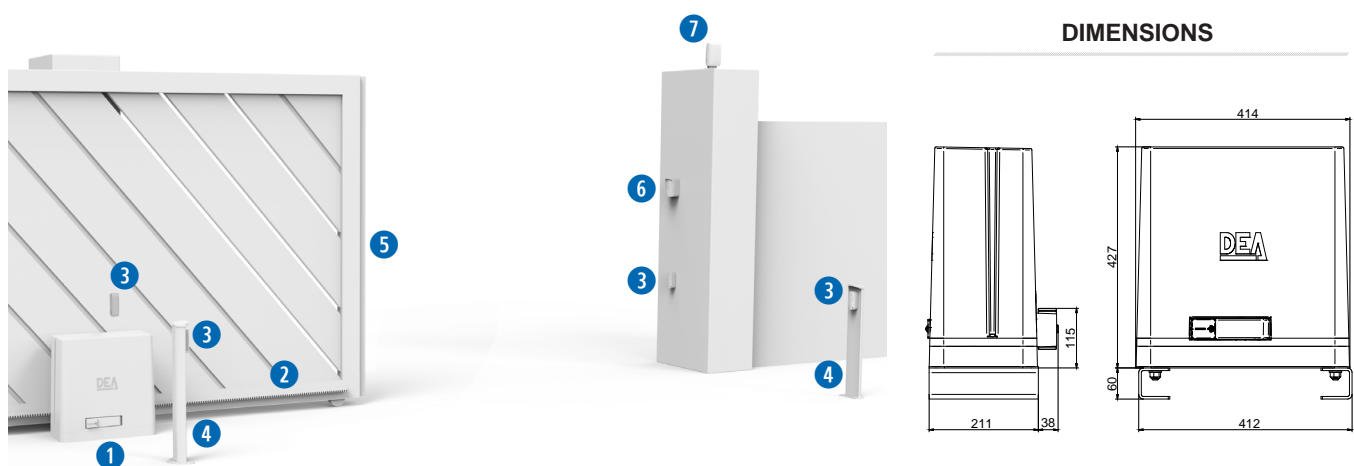


Scan the QR CODE to view all the content we have created on this operator



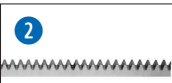
TECHNICAL INFO	GULLIVER/N/M - GULLIVER/N/IB	GULLIVER/N/3P/M - GULLIVER/N/3P/F/M - GULLIVER/N/3P/IB
Power supply (V)	230-240 V ~ (50/60 Hz)	
Motor power supply voltage (V)	230 V ~	230 V 3~
Nominal Power (W)	226	175
Maximum power (W)	860	1650
Nominal torque (Nm)	2,6	7
Maximum torque (Nm)	47	55
Max Thrust (N)	1300	1530
Duty cycle (cycles/hour)	13	18 (12m/min - 60%) 28 (20m/min - 100%)
Built-in capacitor (µF)	30	-
Motor thermal protection (°C)	140 °C	
Operating temperature range (°C)	-20 ÷ 50 °C	-20 ÷ 45 °C
Opening speed (m/min)	10,4	12 ÷ 20
Standard pinion	Z=18 (m=4mm)	
Weight of product with package (Kg)	30	
Sound pressure emitted (dBA)	< 70	
Protection degree	IP44 (IPX0 for /IB versions)	

### EXAMPLE OF A TYPICAL INSTALLATION




**1**  **COD. 613300**  
**Art. 18NET**  
Operator for industrial sliding gates


NEW


**2**  **COD. 126001**  
**Art. 112**  
Galvanized steel rack  
22x22mm (1m)


**3**  **COD. 662044**  
**Art. LINEAR**  
Pair of adjustable photocells (180°) with possibility of synchronized operating. Range 20m

**4**  **COD. 664000**  
**Art. PILLY/60**  
Pair of 55cm column for photocells (2 pcs)

**5**  **COD. 171035**  
**Art. C-20**  
Mechanical edge L=2m

**6**  **COD. 663090**  
**Art. GT-KEY**  
Metal vandal proof keyswitch with two contacts, surface mounted. Supplied with 2 keys.

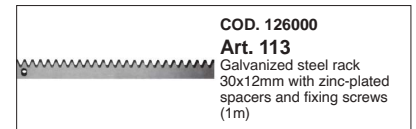
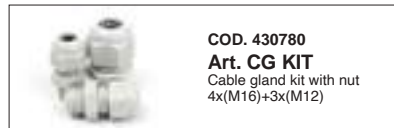
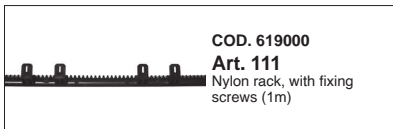
**7**  **COD. 661130**  
**Art. AURA N**  
LED flashing light, multi-voltage  
24V AC-DC/120V AC/230V AC, with integrated antenna 433MHz/868MHz

 **COD. 672645**  
**Art. GTI4**  
Serialized white 4-channel remote control, 433 MHz, with 3 coding options: HCS Rolling-Code, Dip-Switch and new D.A.R.T. coding.

 **COD. 668010**  
**Art. 127**  
Warning sign



## SPECIFIC ACCESSORIES



# IRONBOX



# IRONBOX/XS



# IRONBOX/XS

Painted steel vandal-proof box for REV with magnetic limit switch and foundation plate

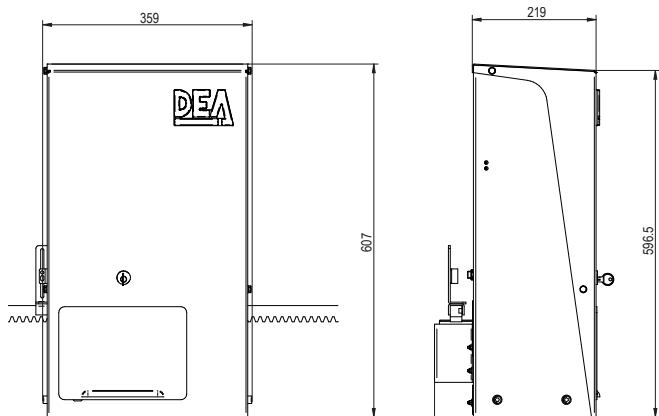
COD.	Art.	DIMENSIONS	kg
619100	IRONBOX/XS	359 x 607 x 219 mm	18kg

Colours: MICA gray P3-197 + RAL 9006



cod. 619100 IRONBOX/XS  
(operator and control board not included)

Example of complete installation



Anti-vandal steel enclosure with personalized access key

Perfect dimensions to fit to small spaces



# IRONBOX

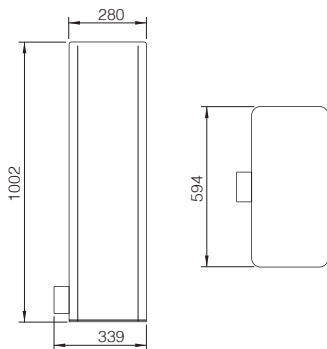
RAL 7016 painted steel vandal-proof box for REV and GULLIVER/N with magnetic limit switch and foundation plate

COD.	Art.	DIMENSIONS	kg
619080	IRONBOX	594 x 1002 x 280 mm	44kg

To be installed with optional resistive rib Art. 121N (Code 171031)



- Sample photo composed of:
- GULLIVER/N/IB - cod. 613602
  - STEELBOX - cod. 679210
  - NET230N/PROBOX - cod. 677611
  - NET-EXPANSION - cod. 677620



Anti-vandal steel enclosure with personalized access key

Large internal fixing plate for accessories



## REV - 230V ~ operators without control board and motor cover



COD.	Art.				OTHER CHARACTERISTICS
616005	REV220/IB	1400 kg		✓	<ul style="list-style-type: none"> <li>• Self-locking</li> <li>• Magnetic limit switches inside IRONBOX</li> <li>• Motor control by encoder and obstacle detection</li> <li>• Designed for IRONBOX</li> </ul>
616006	REV220/RF/IB	1400 kg		✓	<ul style="list-style-type: none"> <li>• Not self-locking, with brake</li> <li>• Magnetic limit switches inside IRONBOX</li> <li>• Oil bath</li> <li>• Motor control by encoder and obstacle detection</li> <li>• Designed for IRONBOX</li> </ul>

Control board to complete the installation: control board cod. 677610 art. NET230N/C (with box)

## REV - 24V ~ operators without control board and motor cover



COD.	Art.			OTHER CHARACTERISTICS
616013	REV24/IB	1400 kg		<ul style="list-style-type: none"> <li>• Self-locking</li> <li>• Magnetic limit switches inside IRONBOX</li> <li>• Designed for IRONBOX</li> </ul>

Control board to complete the installation: control board cod. 678263 art. NET24N/C250 (with box) with 250VA transformer

## GULLIVER/N - 230V ~ single-phase operators without control board and motor cover



COD.	Art.				OTHER CHARACTERISTICS
613602	GULLIVER/N/IB	2500 kg		✓	<ul style="list-style-type: none"> <li>• Self-locking</li> <li>• Magnetic limit switches inside IRONBOX</li> <li>• Motor control by encoder and obstacle detection</li> <li>• Designed for IRONBOX</li> </ul>

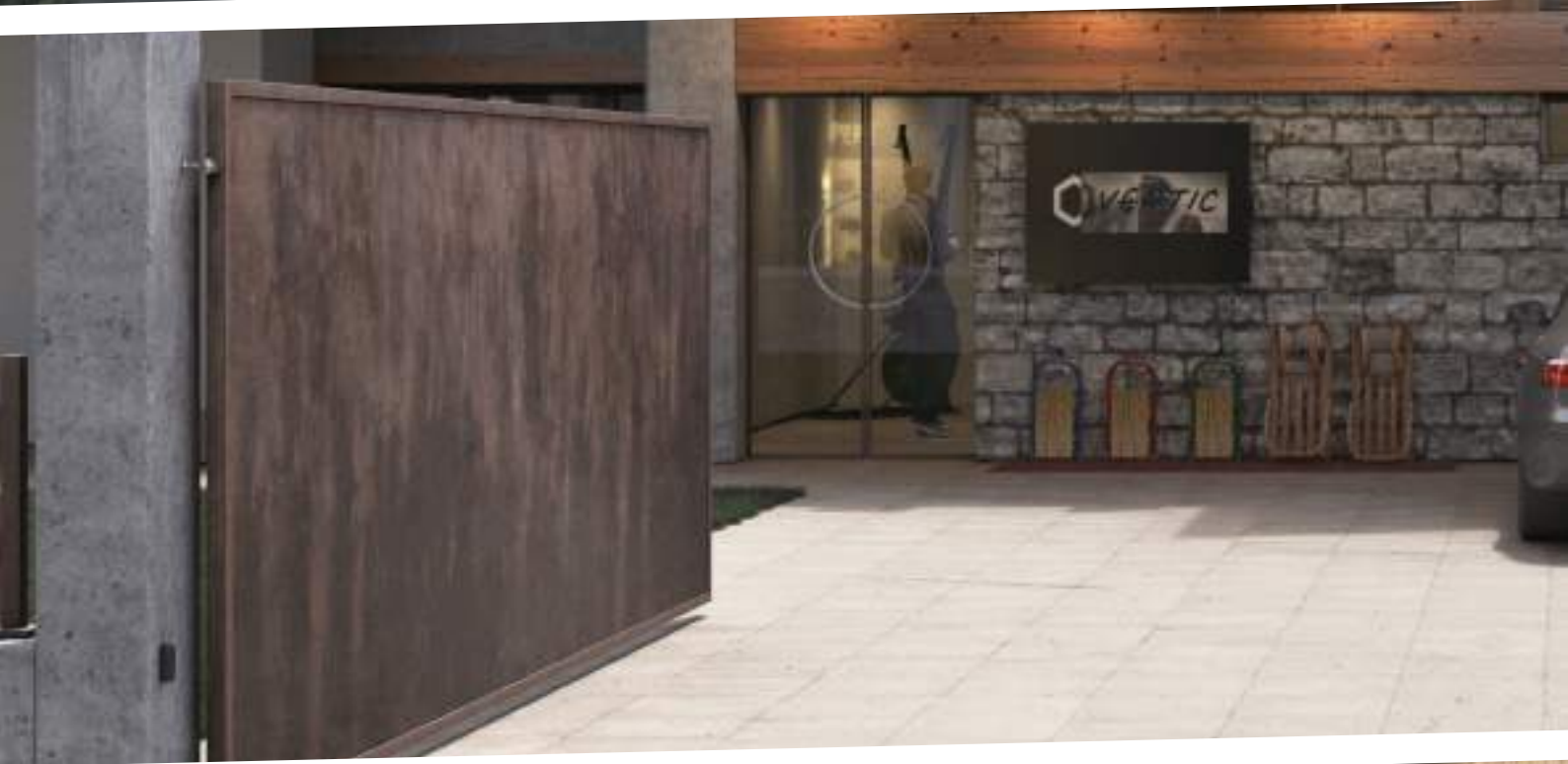
Control board to complete the installation: control board cod. 677610 art. NET230N/C (with box)  
Attention: not compatible with IRONBOX/XS

## GULLIVER/N - 230V ~ three-phase operators without control board and motor cover



COD.	Art.				OTHER CHARACTERISTICS
613613	GULLIVER/N/3P/IB	3000 kg		✓	<ul style="list-style-type: none"> <li>• Self-locking</li> <li>• Magnetic limit switches inside IRONBOX</li> <li>• Motor control by encoder and obstacle detection</li> <li>• Designed for IRONBOX</li> </ul>

Control board to complete the installation: control board cod. 677662 art. NET230EVO-I/C (with box)  
Attention: not compatible with IRONBOX/XS





# SWING GATES



Choose the automation for your swing gate

## MAC



- Up to 3m - 400kg
- 230V / 24V
- For residential and semi-intensive use

## LIVI 502



- Up to 4,5m - 400kg
- 230V / 24V
- Residential and semi-intensive use
- Available versions with articulated or sliding arm

## STING



STING



STING BLACK

- Up to 3m - 400kg
- 230V / 24V
- For residential and semi-intensive use
- Available versions with encoder
- Available in fast version, BOOST models (90° ~ 9s)
- Available in reversible version

## ANGOLO



- up to 2,3m - 200kg
- 24V
- Residential use
- Available versions with articulated or sliding arm

## LOOK



- Up to 5m - 280Kg
- 230V / 24V
- Residential and semi-intensive use
- Available versions with encoder and limit switches

## GHOST 100



- Up to 3,5m - 400kg
- 230V / 24V
- Residential and semi-intensive use
- Available versions with encoder
- Compatible with other foundation boxes of other brands

## OLI/N



- Up to 4,5m - 500kg
- 230V
- Intensive use
- Not self-locking version available or with blocks in opening-closing

## GHOST 200



- Up to 4m - 400kg
- 230V / 24V
- Semi-intensive and intensive use

## GEKO



- Up to 2,5m - 250kg
- 24V
- Residential use
- Available versions with articulated or sliding arm















# SELECTION GUIDE



Choose the maximum length of your gate





## Linear rams

2m	200 kg	100°	24V	●			LOOK/E	
		110°	24V	●		art. MAC/FM	MAC/E	
3m	200 kg	110°	24V	●●		art. MAC/FM	STING/BOOST	
		110°	230V	●	✓ (STING/EN)	art. MAC/FM	MAC - STING	
	400 kg	110°	24V	●●		art. MAC/FM	MAC - STING	
		100°	230V	●●	✓		LOOK	
		100°	24V	●●		✓	LOOK	
	550 kg	90°	230V	●●●			OLI/N	
3,5m	300 kg	110°	24V	●●●		art. MAC/FM	STING/24/R	
4,5m	500 kg	110°	230V	●●●			OLI/N	
5m	280 kg	120°	230V	●●	✓		LOOK	
		120°	24V	●●		✓	LOOK	

## Operator with articulated arm

2,5m	250 kg	120°	24V	●	✓	✓	GEKO	
2,3m	200 kg	120°	24V	●			ANGOLO	
3m	300 kg	135°	24V	●●		art.560F	LIVI502	
4,5m	400 kg	135°	230V	●	✓	art.560F	LIVI502	

## Underground operators

3,5m	400 kg	107° (+ art.116G/N = 180°)	230V	●	✓	✓	GHOST100	
		107° (+ art.116G/N = 180°)	24V	●●		✓	GHOST100	
4m	400 kg	107° (+ art.216 = 180°)	230V	●●		art. 218	GHOST200	
		107° (+ art.216 = 180°)	24V	●●●		art. 218	GHOST200	



# MAC

## Electromechanical automation for swing gates

up to 3 m - 400 kg



The DE@NET universal control board makes this operator **compatible with NETLINK System**.

 175



Compatible with **NETCOM**, the device for the installations maintenance and remotes management, **from your office!**

 176



Compatible with **DEAuser** and **DEAinstaller**, the smartphone Apps to manage installations **locally**.

 177



Compatible with **NETBOX**, the device **for managing remotes** from your office.

 181

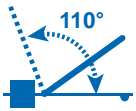


# MAC



Get rid of ground stops by using the mechanical stops (optionals)

Standard fixing plates are included. If you need more versatility in the installation, you can use the optional adjustable fixing plates (art. MLS / SFR).



Door opening up to 110°

The sturdiness of this operator is guaranteed by the monobloc body



The robust mechanical gears and cogs guarantees reliability and durability over time



The DE@NET universal control board makes this operator compatible with NETLINK System.



Compatible with NETCOM, the device for installation maintenance and remote control management!



## 230V ~ operators without control board



COD.	Art.			OTHER CHARACTERISTICS
625010	MAC		395mm without MAC/FM 334mm with MAC/FM	• For leaves up to 3m length

All models have: fixing plate to be welded included  
 Control board to complete the installation: control board cod. 677610 art. NET230N/C (with box)

## 24V ~ operators without control board



COD.	Art.			OTHER CHARACTERISTICS
625040	MAC/24		395mm without MAC/FM 334mm with MAC/FM	• For leaves up to 3m length
625043	MAC/24/E			• For leaves up to 2m length

All models have: fixing plate to be welded included  
 Control board to complete the installation: control board cod. 678261 art. NET24N/C (with box)

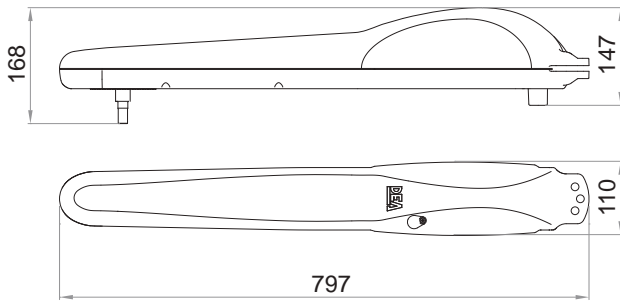
TECHNICAL INFO	MAC	MAC24
Motor power supply (V)	230V ~ ± 10 % (50/60 Hz)	24V ~
Maximum power absorption (W)	300	60
Max thrust (N)	1650	1000
Time with total stroke (s)	21	22
90° Opening time (s)*		16
Duty cycle (cycles/hours)	18	40
N. max cycles in 24h		90
Built-in capacitor (µF)	8	/
Operating temperature (°C)		-20 ÷ 50
Motor thermal protection (°C)	150	/
Weight with packing (Kg)		8,8
Sound pressure (dBA)		< 70
Protection level		IPX4

\*the opening time of the leaf at 90° may be different according to the characteristics of the installation

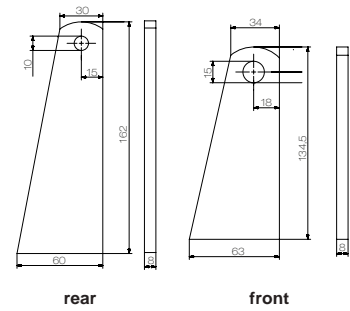
Scan the QR CODE to view the landing page dedicated to this operator



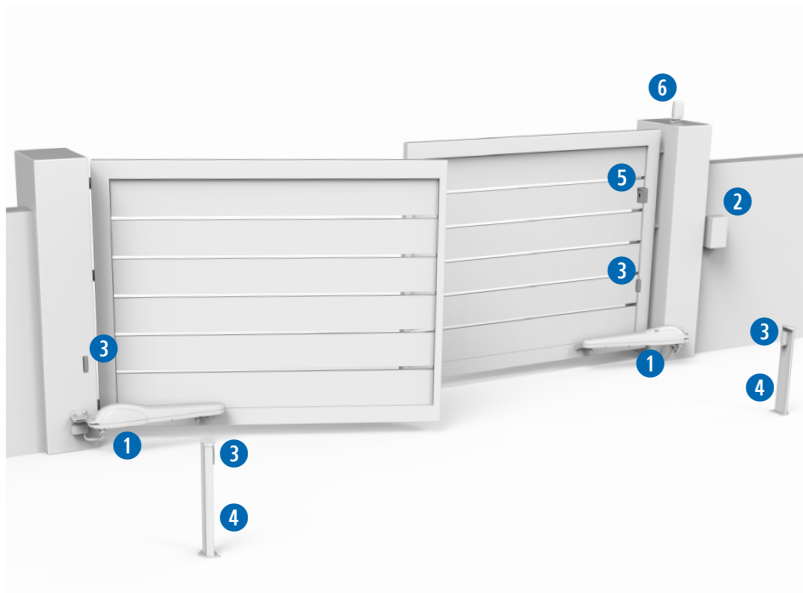
DIMENSIONS



FIXING PLATES




EXAMPLE OF A TYPICAL INSTALLATION



**KIT**


**1**  **COD. 625010**  
**Art. MAC**  
Electromechanical automation for swing gates

**KIT**


**2**  **COD. 677610**  
**Art. NET230N/C**  
Universal digital control board for 1 or 2 operators, 230V with or without magnetic encoder (with box)

**KIT**


**3**  **COD. 662080**  
**Art. LINEAR/XS**  
Pair of mini synchronizable photocell for outdoor installation. Maximum range 20m

**4**  **COD. 664000**  
**Art. PILLY/60**  
Pair of 55cm column for photocells (2 pcs)


**5**  **COD. 629300**  
**Art. MAC/FM**  
Mechanical stops for MAC/STING (2 pcs) - for 1 operator

**5**  **COD. 663090**  
**Art. GT-KEY**  
Metal vandal proof keyswitch with two contacts, surface mounted. Supplied with 2 keys.

**KIT**

**6**  **COD. 661130**  
**Art. AURA N**  
LED flashing light, multi-voltage 24V AC-DC/120V AC/230V AC, with integrated antenna 433MHz/868MHz

**KIT**

**6**  **COD. 672645**  
**Art. GTI4**  
Serialized white 4-channel remote control, 433 MHz, with 3 coding options: HCS Rolling-Code, Dip-Switch and new D.A.R.T. coding.


**6**  **COD. 668010**  
**Art. 127**  
Warning sign

**KIT** for further details on the kits see price list


SPECIFIC ACCESSORIES




**COD. 629300**  
**Art. MAC/FM**  
Mechanical stops for MAC/STING (2 pcs) - for 1 operator



**COD. 629320**  
**Art. MAC-LOOK/P**  
Extension for MAC/STING and LOOK rams




**COD. 629312**  
**Art. MLS/SFR**  
Adjustable fixing plates to be screwed



**COD. 629250**  
**Art. COL 515**  
Anti-fall stainless steel cable with 2 holes for swing gates

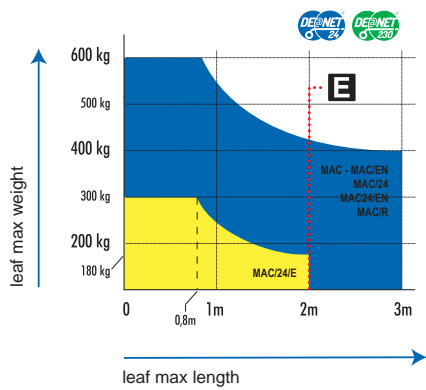


**COD. 629381**  
**Art. SB**  
Back overhead door fixing plate for LOOK, MAC, STING



**COD. 629290**  
**Art. BAT**  
Rechargeable batteries kit for 24V operators, 12V - 1,2Ah, complete with wiring cables and fixing plate

GUIDE TO USE



■ = MAC - MAC/24  
■ = MAC/24/E

If the leaf length is bigger than 2m or if you use reversible models you must install the electric-lock to block the gate in closed position. The height and the leaf structure, as well as the presence of strong wind, can cause the reduction of the value of the data contained in table or make it necessary to use an electric lock also for leaves shorter than 2m.





# STING

## Electromechanical automation for swing gates

up to 3 m - 400 kg



The DE@NET universal control board makes this operator **compatible with NETLINK System**.

 175



Compatible with **NETCOM**, the device for the installations maintenance and remotes management, **from your office!**

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Compatible with **DEAuser** and **DEAinstaller**, the smartphone Apps to manage installations **locally**.

 177

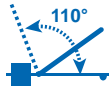


Compatible with **NETBOX**, the device **for managing remotes** from your office.

 181



# STING



Door opening up to 110°.

Robust and reliable operator, in an enclosed body



Quick unlocking with customised metal key



Get rid of ground stops by using the mechanical stops (optional)

Reversible version art. STING/24/R



No risk of the gate operation stopping in a power outage thanks to the backup batteries (optional, art. BAT, code 629290) that can be installed on 24V models



The DE@NET external universal control board makes this operator compatible with NETLINK System.



Compatible with NETCOM, the device for installation, maintenance and remote management, from your office!



Greater installation versatility thanks to the adjustable fixing plates excluded (art. MLS/SFR)



STING	Opening time about 90°	16"
STING/BOOST		9"
STING/24/R		12"

Note: the opening time may increase depending on the characteristics of the installation

**Fast maneuvering with STING/BOOST: the new 24V model of the STING range with a minimum opening time of 90° in 9 seconds. Available in kit.**



## 230V ~ operators without control board



COD.	Art.				OTHER CHARACTERISTICS
625050	STING	●	395mm without MAC/FM 334mm with MAC/FM		• For leaves up to 3m length
625052	STING/EN	●	395mm without MAC/FM 334mm with MAC/FM	✓	• With encoder, for leaves up to 3m
625058	STING/EN-BLACK	●	395mm without MAC/FM 334mm with MAC/FM		• For leaves up to 3m length

All models have: adjustable fixing plates to be screwed included (art. MLS/SFR)  
Control board to complete the installation: control board cod. 677610 art. NET230N/C (with box)

## 24V = operators without control board



COD.	Art.			OTHER CHARACTERISTICS
625051	STING/24	●●	395mm without MAC/FM 334mm with MAC/FM	• For leaves up to 3m length
625059	STING/24-BLACK	●●	395mm without MAC/FM 334mm with MAC/FM	• For leaves up to 3m length
625056	STING/24-BOOST (37 mm/s)	●●	395mm without MAC/FM 334mm with MAC/FM	• For leaves up to 3m length
625060	STING/24/R *	●●●	395mm without MAC/FM 334mm with MAC/FM	• For leaves up to 3,5m length / 300kg • Reversible

All models have: adjustable fixing plates to be screwed included (art. MLS/SFR)  
Control board to complete the installation: control board cod. 678261 art. NET24N/C (with box)  
\* Supplied with: adjustable brackets, 1pc Omron socket and 1pc monostable relay

TECHNICAL INFO	STING	STING/EN	STING/24	STING/24-BOOST	STING/24/R
Motor power supply (V)	230V ~ ± 10 % (50/60 Hz)		24V =		24V =
Maximum power absorption (W)	300		60	85	60
Max thrust (N)	1650		1000	1000	1000
90° Opening time (s)*	16			9	11,6
Duty cycle (cycles/hours)	18	22	40		
N. max cycles in 24h.	90				350
Built-in capacitor (µF)	8		/		/
Operating temperature (°C)	(-20°) - (50°)				
Motor thermal protection (°C)	150		/		/
Weight with packing (Kg)	8,8				
Sound pressure (dBA)	< 70				
Protection rating	IPX4				

\*the opening time of the leaf at 90° may be different according to the characteristics of the installation


Scan the QR CODE to view all the content we have created on this operator




SPECIFIC ACCESSORIES




**COD. 629300**  
**Art. MAC/FM**  
 Mechanical stops for MAC/STING (2 pcs) - for 1 operator



**COD. 629320**  
**Art. MAC-LOOK/P**  
 Extension for MAC/STING and LOOK rams




**COD. 629312**  
**Art. MLS/SFR**  
 Adjustable fixing plates to be screwed



**COD. 629250**  
**Art. COL 515**  
 Anti-fall stainless steel cable with 2 holes for swing gates

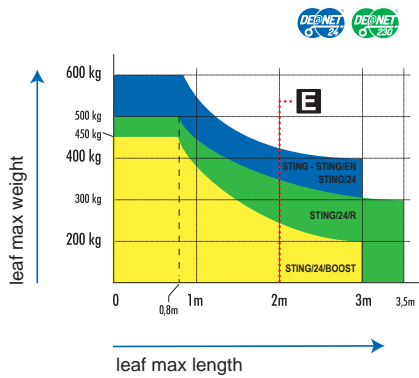


**COD. 629381**  
**Art. SB**  
 Back overhead door fixing plate for LOOK, MAC, STING



**COD. 629290**  
**Art. BAT**  
 Rechargeable batteries kit for 24V operators, 12V - 1,2Ah, complete with wiring cables and fixing plate

GUIDE TO USE



- = STING - STING/24 - STING/EN
- = STING/24/R
- = STING/24-BOOST

If the leaf length is bigger than 2m or if you use reversible models you must install the electric-lock to block the gate in closed position. The height and the leaf structure, as well as the presence of strong wind, can cause the reduction of the value of the data contained in table or make it necessary to use an electric lock also for leaves shorter than 2m.



# LOOK

## Electromechanical automation for swing gates

up to 5 m - 280 kg



The DE@NET universal control board makes this operator **compatible with NETLINK System**.

 175



Compatible with **NETCOM**, the device for the installations maintenance and remotes management, **from your office!**

 176



Compatible with **DEAuser** and **DEAinstaller**, the smartphone Apps to manage installations **locally**.

 177



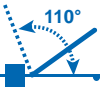
Compatible with **NETBOX**, the device **for managing remotes** from your office.

 181



# LOOK

Stainless steel telescopic piston that guarantees high resistance against corrosion

  
Door opening up to 110°

The version with encoder guarantees high performance and safety in movement



Unlocking device with plastic key in case of power failure



Greater installation versatility thanks to the standard adjustable fixing plates (art. MLS / SFR).



2 lengths available:  
• with 320mm shaft for gates up to 3m long  
• with 520mm stem for gates up to 5m in length



Optional rod cover to protect the telescopic rod and give a more linear aesthetic

The DE@NET external universal control board makes this operator compatible with NETLINK System.



Compatible with NETCOM, the device for installation maintenance and remote control management!





## 230V ~ operators without control board and rod cover



COD.	Art.				OTHER CHARACTERISTICS
627000	351/SC		320mm		• For leaves up to 3m length
627012	351EN/SC		320mm	✓	• With encoder, for leaves up to 3m length
627053	355/SC		520mm		• For leaves up to 5m length
627052	355EN/SC		520mm	✓	With encoder, for leaves up to 5m length

All models have: adjustable fixing plates to be screwed included (art. MLS/SFR), rod cover not included  
**Control board to complete the installation:** control board cod. 677610 art. NET230N/C (with box)

## 24V = operators without control board and rod cover



COD.	Art.				OTHER CHARACTERISTICS
627092	371E/SC		320mm		• For leaves up to 1,8m length
627090	371/SC		320mm		• For leaves up to 3m length
627111	372/SC		320mm	✓	• With limit switches, for leaves up to 3m length
627123	373/SC		520mm		• For leaves up to 5m length
627131	374/SC		520mm	✓	• With limit switches, for leaves up to 5m length

All models have: adjustable fixing plates to be screwed included (art. MLS/SFR), rod cover not included  
**Control board to complete the installation:** control board cod. 678261 art. NET24N/C (with box)

## Rod cover

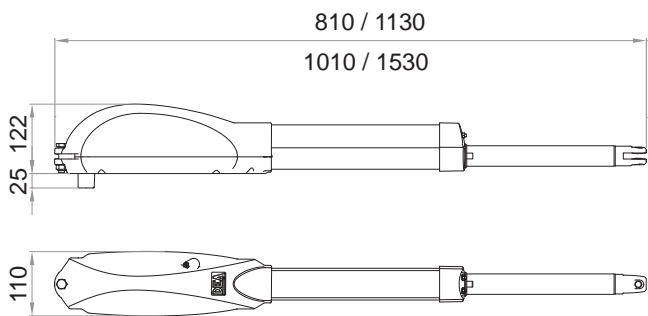


COD.	Art.		OTHER CHARACTERISTICS
629340	CS320	320mm	• Rod cover for ram: 320 mm stroke
629341	CS520	520mm	• Rod cover for ram: 520 mm stroke

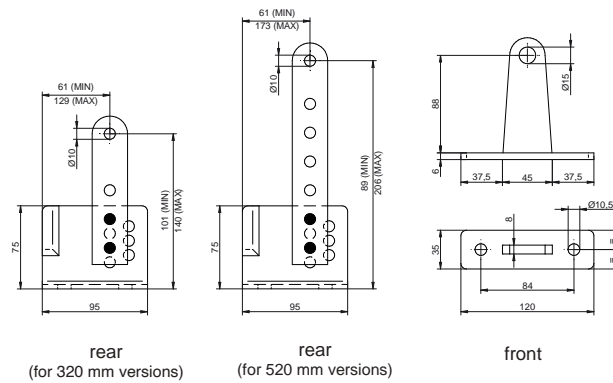
TECHNICAL INFO	351/SC - 351EN/SC	355/SC - 355EN/SC	371/SC - 372/SC	373/SC - 374/SC	371E/SC
Motor power supply (V)	230V - ± 10 % (50/60 Hz)		24V =		
Maximum power absorption (W)	300		60	50	
Max thrust (N)	1650		1000		500
Time with total stroke (s)	20	33	21	34	21,5
90° Opening time (s)*	16	12,5	15		
Duty cycle (cycles/hours)	22 - 25 (vers. 351EN)		40		10
N. max cycles in 24h.	110				110
Built-in capacitor (µF)	8		/		
Operating temperature (°C)	-20 ÷ 50				
Motor thermal protection (°C)	150		/		
Weight with packing (Kg)	9	9,5	9		
Sound pressure (dBA)	< 70				
Protection level	IP24				

\*the opening time of the leaf at 90° may be lower accordingly to the geometry of the installation

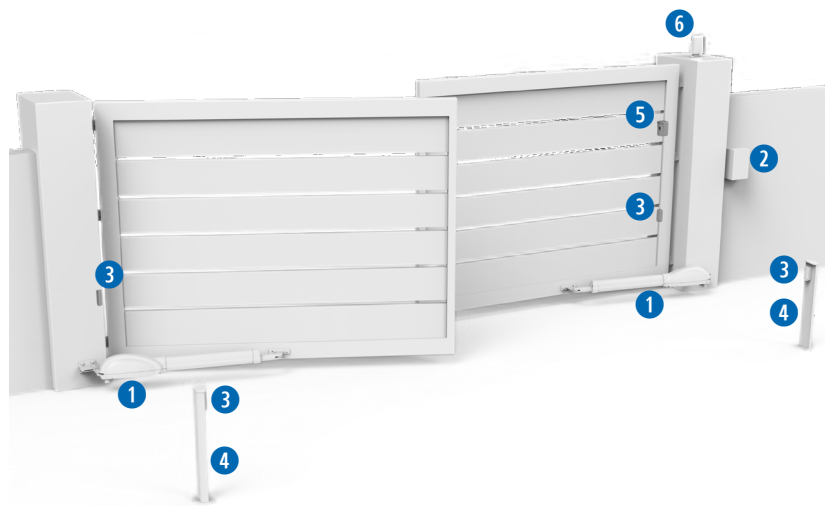
DIMENSIONS



FIXING PLATES



EXAMPLE OF A TYPICAL INSTALLATION



**KIT**

**1**  **COD. 627012**  
**Art. 351EN/SC**  
Electromechanical automation for swing gates

**KIT**

**2**  **COD. 677610**  
**Art. NET230N/C**  
Universal digital control board for 1 or 2 operators, 230V with or without magnetic encoder (with box)


**KIT**

**3**  **COD. 662080**  
**Art. LINEAR/XS**  
Pair of mini synchronizable photocell for outdoor installation. Maximum range 20m


**4**  **COD. 664000**  
**Art. PILLY/60**  
Pair of 55cm column for photocells (2 pcs)

**5**  **COD. 663090**  
**Art. GT-KEY**  
Metal vandal proof keyswitch with two contacts, surface mounted. Supplied with 2 keys.

**KIT**

**6**  **COD. 661130**  
**Art. AURA N**  
LED flashing light, multi-voltage 24V AC-DC/120V AC/230V AC, with integrated antenna 433MHz/868MHz

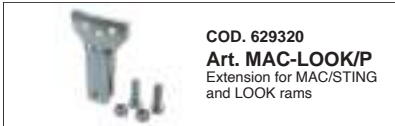
**KIT**

 **COD. 672645**  
**Art. GTi4**  
Serialized white 4-channel remote control, 433 MHz, with 3 coding options: HCS Rolling-Code, Dip-Switch and new D.A.R.T. coding.

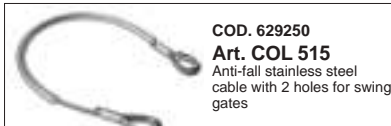
 **COD. 668010**  
**Art. 127**  
Warning sign

**KIT** for further details on the kits see price list

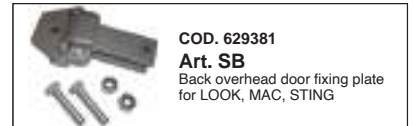
## SPECIFIC ACCESSORIES



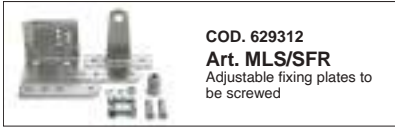
**COD. 629320**  
**Art. MAC-LOOK/P**  
Extension for MAC/STING and LOOK rams



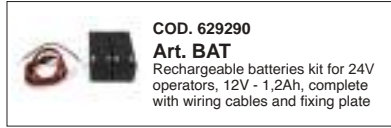
**COD. 629250**  
**Art. COL 515**  
Anti-fall stainless steel cable with 2 holes for swing gates



**COD. 629381**  
**Art. SB**  
Back overhead door fixing plate for LOOK, MAC, STING



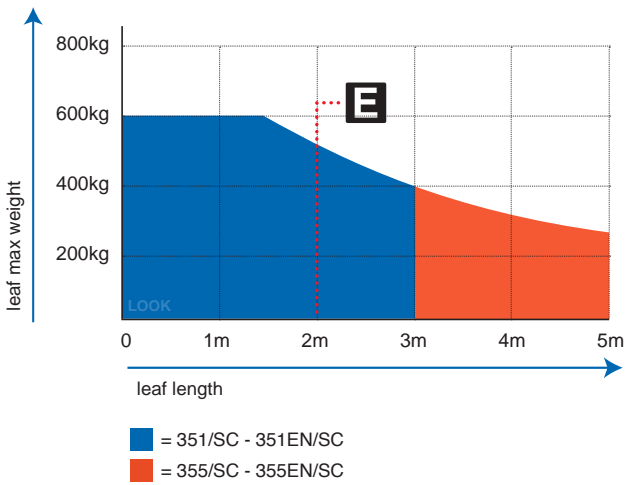
**COD. 629312**  
**Art. MLS/SFR**  
Adjustable fixing plates to be screwed



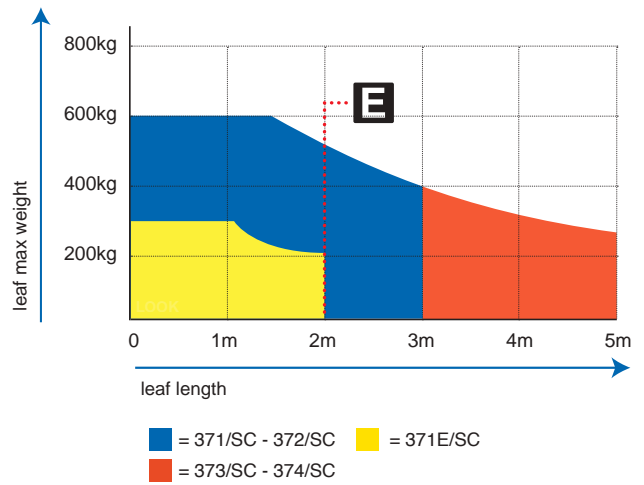
**COD. 629290**  
**Art. BAT**  
Rechargeable batteries kit for 24V operators, 12V - 1,2Ah, complete with wiring cables and fixing plate

## GUIDE TO USE

GUIDE TO USE



GUIDE TO USE



If the leaf length is bigger than 2m or if you use reversible models you must install the electric-lock to block the gate in closed position. The height and the leaf structure, as well as the presence of strong wind, can cause the reduction of the value of the data contained in table or make it necessary to use an electric lock also for leaves shorter than 2m.

Scan the QR CODE to view all the content we have created on this operator





# OLIN

## Hydraulic automation for swing gates

up to 4,5 m - 500 kg



The DE@NET universal control board makes this operator **compatible with NETLINK System**.

 175



Compatible with **NETCOM**, the device for the installations maintenance and remotes management, **from your office!**

 176



Compatible with **DEAuser** and **DEAinstaller**, the smartphone Apps to manage installations **locally**.

 177



Compatible with **NETBOX**, the device **for managing remotes** from your office.

 181



# OLI/N

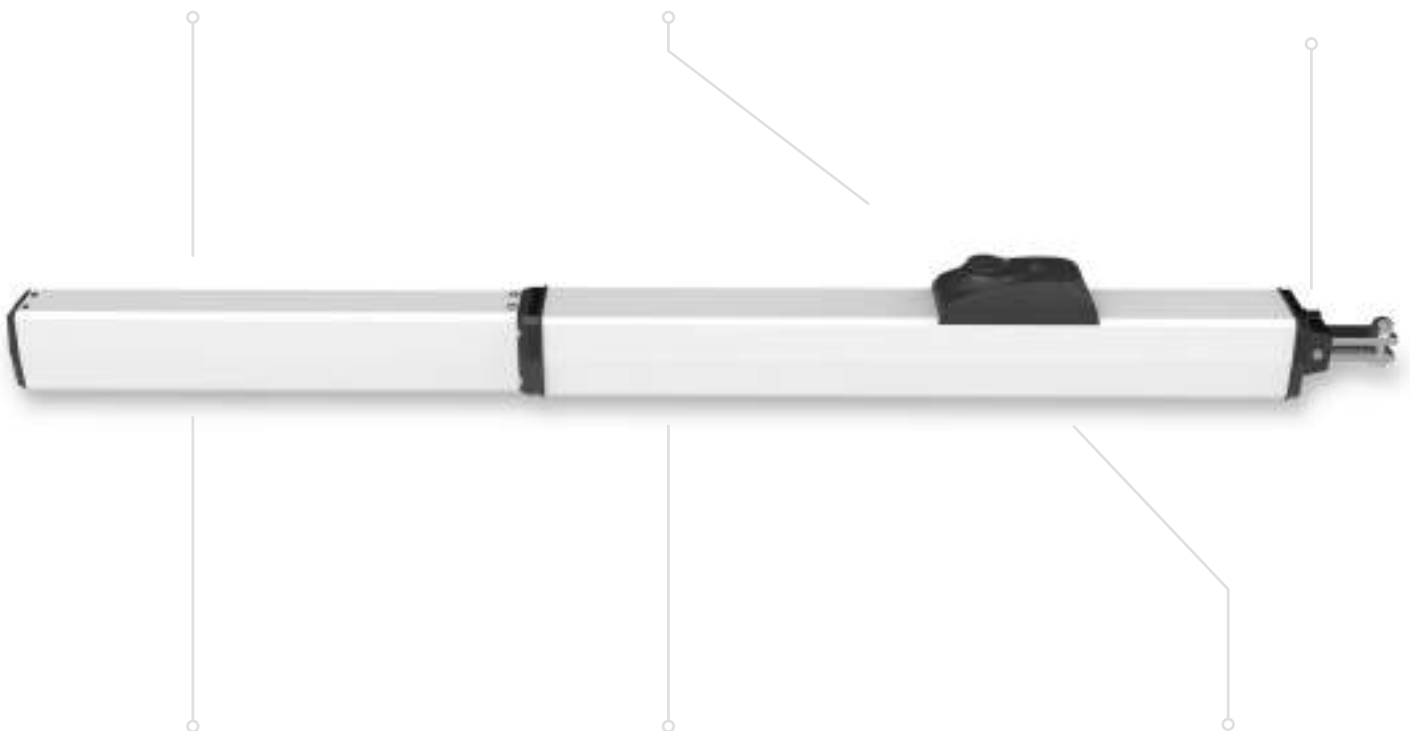


Wide range of models with:

- locking in opening and/or closing
- reversible or slow models for any kind of installation need

Quick release with customised metal key, protected from the weather.

Fixing plates to be welded as standard. Greater installation versatility thanks to the optional adjustable fixing plates (art. OLI/SFR).



Available in short version (useful stroke 270mm) or long version (useful stroke 400mm)

The DE@NET external universal control board makes this operator compatible with NETLINK System.



Compatible with NETCOM, the device for installation maintenance and remote control management!



## Hydraulic rams 230V ~ without control board



### Stroke 270mm

COD.	Art.				OTHER CHARACTERISTICS
624005	OLI 602AN	● ● ● ●	A	270mm	• Self-locking in open position only, for leaves up to 2m length
624055	OLI 602LAN	● ● ● ●	A	270mm	• Self-locking in open position only, slow version, for leaves up to 2,5m length
624004	OLI 602N	● ● ● ●	C	270mm	• Self-locking in close position only, for leaves up to 2m length
624054	OLI 602LN	● ● ● ●	C	270mm	• Self-locking in close position only, slow version, for leaves up to 2,5m length
624013	OLI 603N	● ● ● ●		270mm	• Self-locking in open and close position, for leaves up to 2m length
624063	OLI 603LN	● ● ● ●		270mm	• Self-locking in open and close position, slow version, for leaves up to 2,5m length
624023	OLI 604N	● ● ● ●	✓	270mm	• Not self-locking, for leaves up to 2,5m length
624073	OLI 604LN	● ● ● ●	✓	270mm	• Not self-locking, slow version, for leaves up to 3m length

All models: fixing plates to be welded included (art.0/353-0/653)

Control board to complete the installation: control board cod. 677610 art. NET230N/C (with box)

All models: in order to respect the limit of impact forces foreseen by EN 12453-1, you must use the external safety devices in compliance with EN 12978.

### Stroke 400mm

COD.	Art.				OTHER CHARACTERISTICS
624033	OLI 605N	● ● ● ●		400mm	• Self-locking in open and closed position, for leaves up to 2,5m length
624083	OLI 605LN	● ● ● ●		400mm	• Self-locking in open and closed position, slow version, for leaves up to 3m length
624043	OLI 606N	● ● ● ●	✓	400mm	• Not self-locking, for leaves up to 3,5m length
624093	OLI 606LN	● ● ● ●	✓	400mm	• Not self-locking, slow version, for leaves up to 4,5m length
624104	OLI 607AN	● ● ● ●	A	400mm	• Self-locking in open position, for leaves up to 3m length
624114	OLI 607LAN	● ● ● ●	A	400mm	• Self-locking in open position, slow version, for leaves up to 3,5m length

All models: fixing plates to be welded included (art.0/353-0/653)

Control board to complete the installation: control board cod. 677610 art. NET230N/C (with box)

All models: in order to respect the limit of impact forces foreseen by EN 12453-1, you must use the external safety devices in compliance with EN 12978.

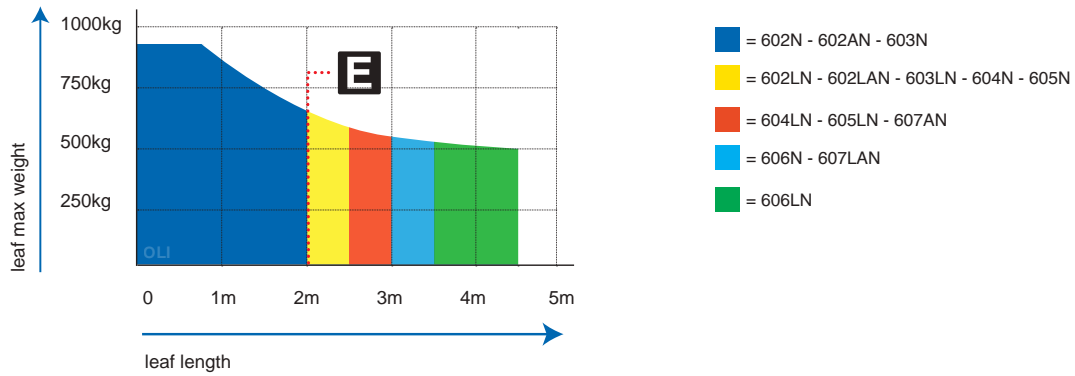
Scan the QR CODE to view all the content we have created on this operator



TECHNICAL INFO	OLI 602N - OLI 602AN - OLI 603N - OLI 604N	OLI 605N - OLI 606N - OLI 607AN	OLI 602LN - OLI 602LAN - OLI 603LN - OLI 604LN	OLI 605LN - OLI 606LN - OLI 607LAN
Motor power supply (V)	230V ~ ± 10 % (50/60 Hz)			
Maximum power absorption (W)	170			
Max thrust (N)	3980		5600	
Max traction force (N)	3200		4460	
Duty cycle (cycles/hours)	60		50	40
Built-in capacitor (µF)	8			
Operating temperature (°C)	-20 ÷ 50			
Motor thermal protection (°C)	130			
90° Opening time (s)	21	31	30	40
Weight with packing (Kg)	11,4	13	11,4	13
Sound pressure (dBA)	< 70			
Protection level	IP55			

Used Oil: AGIP Amica A15

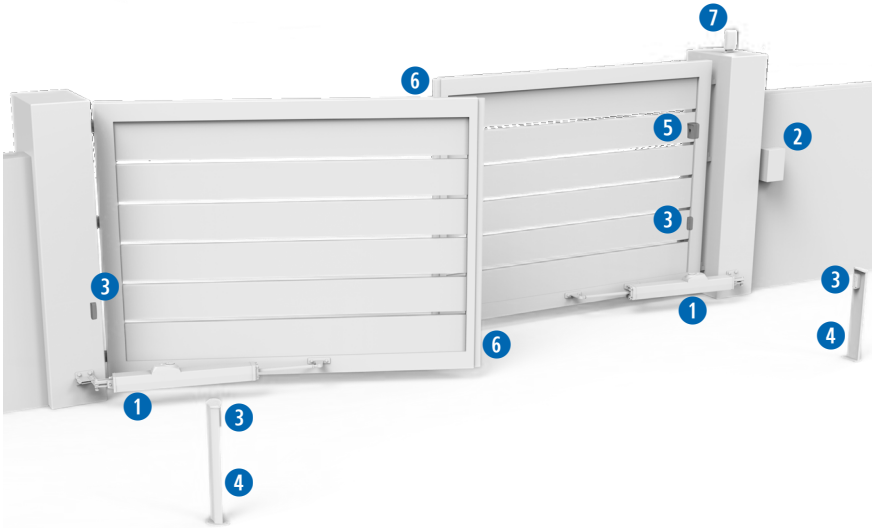
### GUIDE TO USE



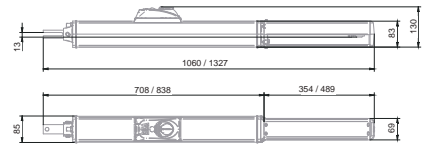
If the leaf length is bigger than 2m or if you use reversible models you must install the electric-lock to block the gate in closed position. The height and the leaf structure, as well as the presence of strong wind, can cause the reduction of the value of the data contained in table or make it necessary to use an electric lock also for leaves shorter than 2m.



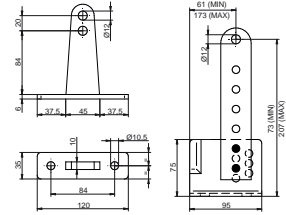
## EXAMPLE OF A TYPICAL INSTALLATION



### DIMENSIONS





### FIXING PLATES




front

rear

**1**  **COD. 624004**  
**Art. 602N**  
Hydraulic automation for swing gates


**2**  **COD. 677610**  
**Art. NET230N/C**  
Universal digital control board for 1 or 2 operators, 230V with or without magnetic encoder (with box)

**3**  **COD. 662080**  
**Art. LINEAR/XS**  
Pair of mini synchronizable photocell for outdoor installation. Maximum range 20m

**4**  **COD. 664000**  
**Art. PILLY/60**  
Pair of 55cm column for photocells (2 pcs)

**5**  **COD. 663090**  
**Art. GT-KEY**  
Metal vandal proof keyswitch with two contacts, surface mounted. Supplied with 2 keys.

**6**  **COD. 171039**  
**Art. CR-20**  
Resistive edge L=2

**7**  **COD. 661130**  
**Art. AURA N**  
LED flashing light, multi-voltage 24V AC-DC/120V AC/230V AC, with integrated antenna 433MHz/868MHz

**COD. 672645**  
**Art. GT14**  
Serialized white 4-channel remote control, 433 MHz, with 3 coding options: HCS Rolling-Code, Dip-Switch and new D.A.R.T. coding.

**COD. 668010**  
**Art. 127**  
Warning sign

## SPECIFIC ACCESSORIES

**COD. 629071**  
**Art. OLI/SFR**  
Adjustable fixing plates to be screwed

**COD. 629250**  
**Art. COL 515**  
Anti-fall stainless steel cable with 2 holes for swing gates

**COD. 629400**  
**Art. KIT ADA/FKS**  
OLI/N adapter kit for systems with 960mm brackets centre distance and 270mm operator stroke



# GEKO

## Electromechanical automation for swing gates

up to 2,5 m - 250 kg



The DE@NET universal control board makes this operator **compatible with NETLINK System**.

 175



Compatible with **NETCOM**, the device for the installations maintenance and remotes management, **from your office!**

 176



Compatible with **DEAuser** and **DEAinstaller**, the smartphone Apps to manage installations **locally**.

 177



Compatible with **NETBOX**, the device **for managing remotes** from your office.

 181



# GEKO

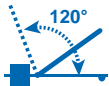


All our products are made with high quality materials, such as steel and bronze, which guarantee reliability over time.



Compatible with external cable release (art. GEKO/SF and art. BLINDOS - optional), to always have safe access from outside the property

Door opening up to 120°



Kit Climb to allow you to install on a slope with a gradient up to 12% (optional)



Compatible with NETCOM, the device for installation maintenance and remote control management



The integrated control board DE@NET makes this operator compatible with the NETLINK system.



Sled arm (optional) that allows you to avoid lateral obstructions

Built-in mechanical stops as standard to eliminate the need for floor stops



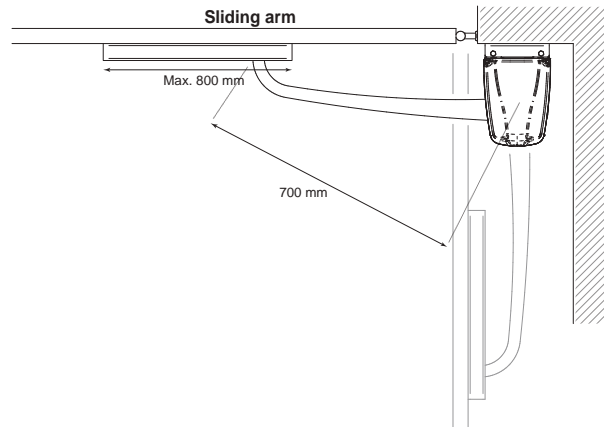
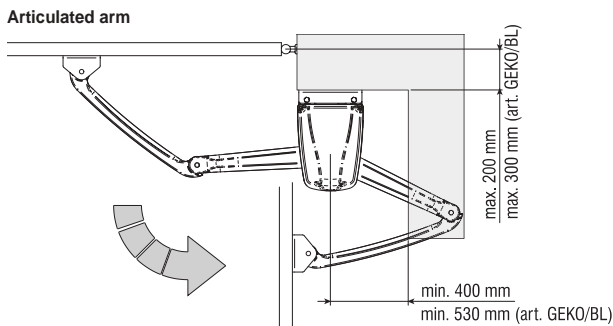
## 24V ~ operators with control board and encoder, without arm



COD.	Art.				OTHER CHARACTERISTICS
628000	GEKO		✓	NET24N	<ul style="list-style-type: none"> <li>1 operator</li> <li>Mechanical stops</li> <li>Speed adjustment and slow down in opening and closing</li> </ul>
628020	GEKO/S		✓		<ul style="list-style-type: none"> <li>1 operator without control board</li> <li>Mechanical stops</li> <li>Speed adjustment and slow down in opening and closing</li> </ul>
628010	GEKO/2		✓	NET24N	<ul style="list-style-type: none"> <li>2 operators / 1 control board</li> <li>Mechanical stops</li> <li>Speed adjustment and slow down in opening and closing</li> </ul>

All models have: arm not included. N.1 control board NET24N, mounting plate and limit switches included.

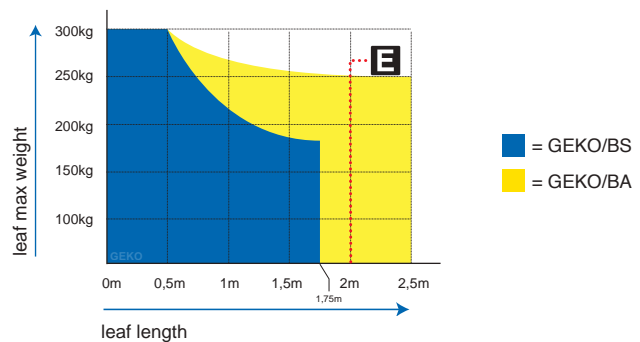
## DIMENSIONS WITH ARMS



Refer to instructions manual for installation dimensions

TECHNICAL INFO	GEKO
Motor power supply (V)	24V ~
Maximum power absorption (W)	80
Max torque (Nm)	180
Duty cycle (cycles/hours)	20
N. max cycles in 24h.	60
Operating temperature (°C)	-20 ÷ 50
90° Opening time (s)	16
Weight with packing (Kg)	12
Sound pressure (dBA)	< 70
Protection level	IP44

## GUIDE TO USE

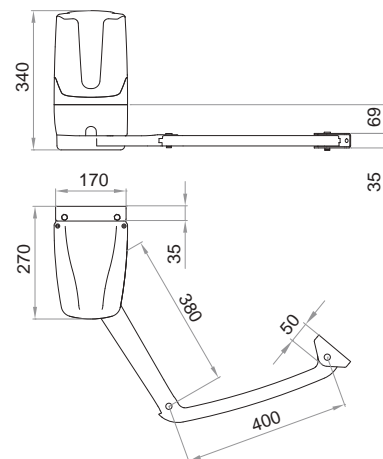
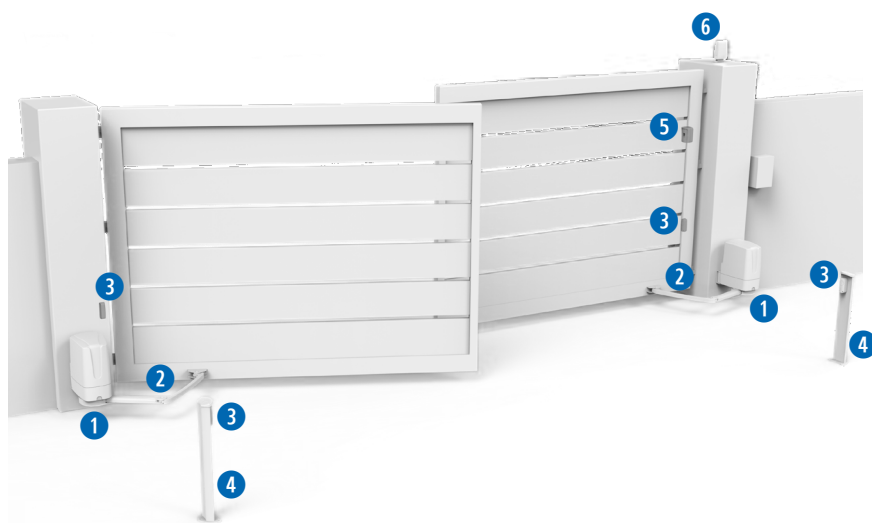


If the leaf length is bigger than 2m or if you use reversible models you must install the electric-lock to block the gate in closed position. The height and the leaf structure, as well as the presence of strong wind, can cause the reduction of the value of the data contained in table or make it necessary to use an electric lock also for leaves shorter than 2m.

Scan the QR CODE to view the landing page dedicated to this operator



DIMENSIONS (with arm art. GEKO/BA)




**KIT**



**1** COD. 628010  
**Art. GEKO/2**  
Electromechanical automation for swing gates

**KIT**



**1** COD. 678251  
**Art. NET24N**  
Universal digital control board for 1 or 2 operators, 24V, with or without magnetic encoder

**KIT**



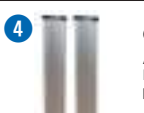
**2** COD. 629260  
**Art. GEKO/BA**  
Aluminium articulated arm

**KIT**




**3** COD. 662080  
**Art. LINEAR/XS**  
Pair of mini synchronizable photocell for outdoor installation. Maximum range 20m

**KIT**




**4** COD. 664000  
**Art. PILLY/60**  
Pair of 55cm column for photocells (2 pcs)

**KIT**




**5** COD. 663090  
**Art. GT-KEY**  
Metal vandal proof keyswitch with two contacts, surface mounted. Supplied with 2 keys.

**KIT**



**6** COD. 661130  
**Art. AURA N**  
LED flashing light, multi-voltage 24V AC-DC/120V AC/230V AC, with integrated antenna 433MHz/868MHz

**KIT**



**1** COD. 672645  
**Art. GTI4**  
Serialized white 4-channel remote control, 433 MHz, with 3 coding options: HCS Rolling-Code, Dip-Switch and new D.A.R.T. coding.

**KIT**



**1** COD. 668010  
**Art. 127**  
Warning sign

**KIT** for further details on the kits see price list

SPECIFIC ACCESSORIES



**1** COD. 629260  
**Art. GEKO/BA**  
Aluminium articulated arm




**1** COD. 629263  
**Art. GEKO/BLA**  
Long arm for GEKO, aluminium



**1** COD. 629262  
**Art. GEKO/BL**  
Long arm for GEKO, painted galvanized steel



**1** COD. 629261  
**Art. GEKO/SF**  
Roll sliding arm, painted galvanized steel



**1** COD. 629350  
**Art. KIT CLIMB**  
Adapter set for doors on slopes (for doors up to 2m - 150 kg) max gradient 12%




**1** COD. 629280  
**Art. GEKO/SF**  
External unlocking device by cable (4,5m). To be used with BLINDOS



**1** COD. 665000  
**Art. BLINDOS**  
Aluminium safety enclosure, with European cylinder, ready for unlocking device by cable.



**1** COD. 629250  
**Art. COL 515**  
Anti-fall stainless steel cable with 2 holes for swing gates



**1** COD. 629290  
**Art. BAT**  
Rechargeable batteries kit for 24V operators, 12V - 1,2Ah, complete with wiring cables and fixing plate

# KIT CLIMB

cod. 629350

Adapter set for doors on slopes.  
For doors up to 2m - 150 kg; max gradient 12%







# LIVI 502

Electromechanical automation  
for swing gates

up to 4,5 m - 400 kg



The DE@NET universal control board makes this operator **compatible with NETLINK System**.

 175



Compatible with **NETCOM**, the device for the installations maintenance and remotes management, **from your office!**

 176



Compatible with **DEAuser** and **DEAinstaller**, the smartphone Apps to manage installations **locally**.

 177



Compatible with **NETBOX**, the device **for managing remotes** from your office.

 181



# LIVI 502

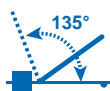


Compatible with external cable release (art.560M and art. BLINDOS - optional), to always have safe access from outside the property



Quick release with customised metal key, protected from the weather.

You can mount the operator also in a perpendicular way compared to the door, with vertical mounting plate (art. 560P)



Door opening up to 135°.



Sliding rail (optional) to avoid lateral obstructions

The DE@NET universal control board make this operator compatible with NETLINK System.



**NETCOM**

Compatible with NETCOM, the device for installation maintenance and remote control management!



## 230V ~ operators without control board and arm



COD.	Art.			OTHER CHARACTERISTICS
623120	502			• For leaves up to 3m length
623140	502L			• Slow version, for leaves up to 4,5m length
623121	502EN		✓	• With encoder, for leaves up to 4,5m length

All models have: arm not included. Horizontal mounting plates included.

Control board to complete the installation: control board cod. 677610 art. NET230N/C (with box)

## 24V = operators without control board and arm



COD.	Art.			OTHER CHARACTERISTICS
623180	502/24			• For leaves up to 3m length

All models have: arm not included. Horizontal mounting plates included.

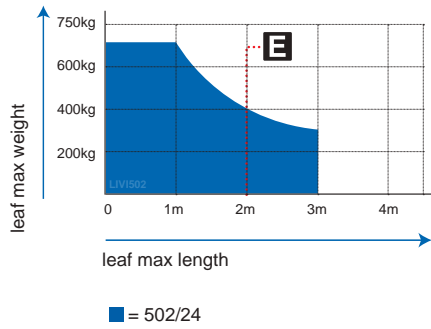
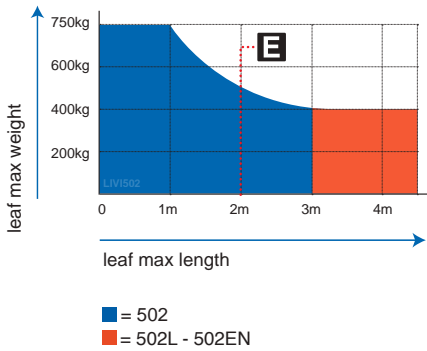
Control board to complete the installation: control board cod. 678261 art. NET24N/C (with box)

TECHNICAL INFO	502 - 502EN	502L	502/24
Motor power supply (V)	230V ~ ± 10 % (50/60 Hz)		24V =
Maximum power absorption (W)	300		80
Max torque (Nm)	295	260	180
Duty cycle (cycles/hours)	22 -25 (vers. 502EN)	22	35
Built-in capacitor (µF)	8		/
Operating temperature (°C)	-20 ÷ 50		
Motor thermal protection (°C)	150		/
90° Opening time (s)	12	18	10
Weight with packing (Kg)	13,5		13,2
Sound pressure (dBA)	< 70		
Protection level	IP44		

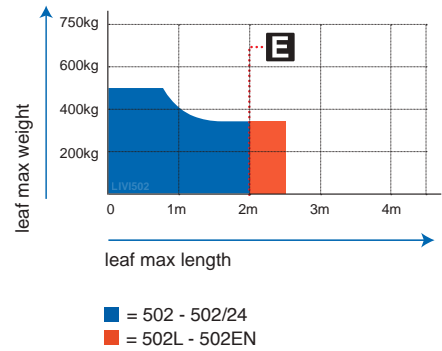
Scan the QR CODE to view the landing page dedicated to this operator



ARTICULATED ARM

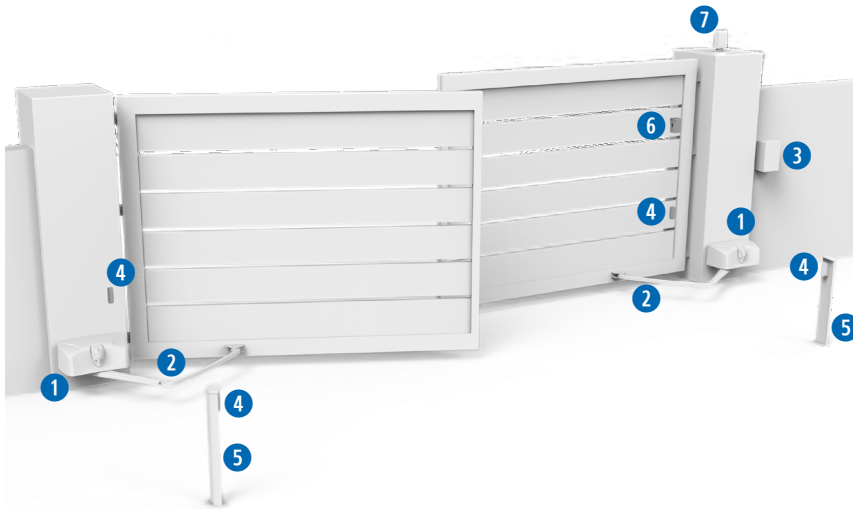


SLIDING ARM

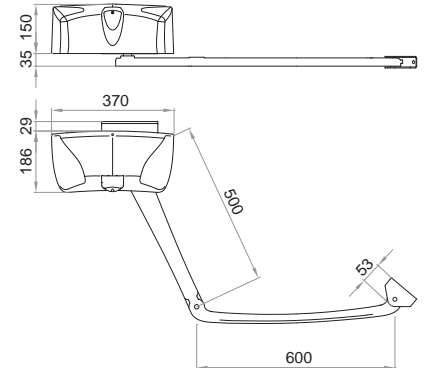


If the leaf length is bigger than 2m or if you use reversible models you must install the electric-lock to block the gate in closed position. The height and the leaf structure, as well as the presence of strong wind, can cause the reduction of the value of the data contained in table or make it necessary to use an electric lock also for leaves shorter than 2m.

EXAMPLE OF A TYPICAL INSTALLATION



DIMENSIONS (with arms 560A)




**KIT**

1  **COD. 623140**  
**Art. 502L**  
Electromechanical automation for swing gates

**KIT**

2  **COD. 629130**  
**Art. 560A**  
Aluminium articulated arm


**KIT**

3  **COD. 677610**  
**Art. NET230N/C**  
Universal digital control board for 1 or 2 operators, 230V with or without magnetic encoder (with box)

**KIT**

4  **COD. 662080**  
**Art. LINEAR/XS**  
Pair of mini synchronizable photocell for outdoor installation. Maximum range 20m


**KIT**

5  **COD. 664000**  
**Art. PILLY/60**  
Pair of 55cm column for photocells (2 pcs)


**KIT**

6  **COD. 663090**  
**Art. GT-KEY**  
Metal vandal proof keyswitch with two contacts, surface mounted. Supplied with 2 keys.

**KIT**

7  **COD. 661130**  
**Art. AURA N**  
LED flashing light, multi-voltage 24V AC-DC/120V AC/230V AC, with integrated antenna 433MHz/868MHz

**KIT**

 **COD. 672645**  
**Art. GTI4**  
Serialized white 4-channel remote control, 433 MHz, with 3 coding options: HCS Rolling-Code, Dip-Switch and new D.A.R.T. coding.

**KIT**

 **COD. 668010**  
**Art. 127**  
Warning sign

**KIT** for further details on the kits see price list

## SPECIFIC ACCESSORIES



**COD. 380960**  
**Art. 560P**  
Vertical fixing plate  
(fastening of operator  
perpendicularly to the  
gate)



**COD. 629350**  
**Art. KIT CLIMB**  
Adapter set for doors on slopes  
(for doors up to 2m - 150 kg,  
max gradient 12%)



**COD. 629330**  
**Art. SD502**  
Junction box



**COD. 629100**  
**Art. 560M**  
External unlocking device  
by cable (4,5m). To be  
used with BLINDOS



**COD. 629250**  
**Art. COL 515**  
Anti-fall stainless steel  
cable with 2 holes for swing  
gates



**COD. 629290**  
**Art. BAT**  
Rechargeable batteries kit for 24V  
operators, 12V - 1,2Ah, complete  
with wiring cables and fixing plate



**COD. 665000**  
**Art. BLINDOS**  
Aluminium safety enclosure, with  
European cylinder, ready for  
unlocking device by cable.



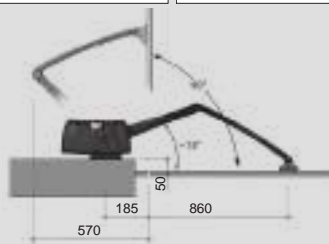
**COD. 639111**  
**Art. 560F -  
960F**  
Limit switches set



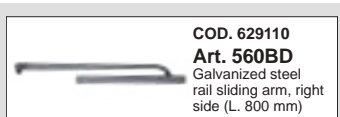
**COD. 629130**  
**Art. 560A**  
Aluminium articulated  
arm



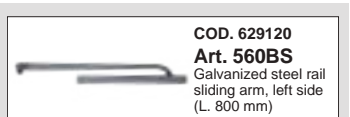
**COD. 629140**  
**Art. 560BV**  
Painted galvanized  
steel articulated arm



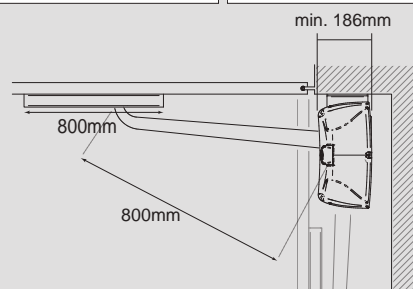
For installation dimensions refer to instructions manuals



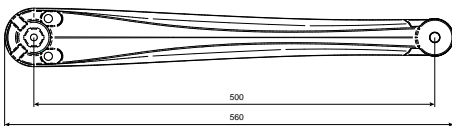
**COD. 629110**  
**Art. 560BD**  
Galvanized steel  
rail sliding arm, right  
side (L. 800 mm)



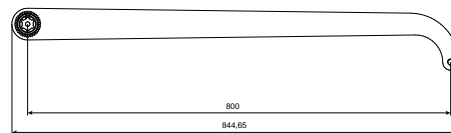
**COD. 629120**  
**Art. 560BS**  
Galvanized steel rail  
sliding arm, left side  
(L. 800 mm)



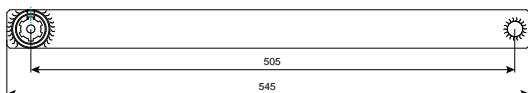
Art. 560A



Art. 560BD - Art. 560BS



Art. 560BV





# ANGOLO

## Electromechanical automation for swing gates

up to 2,3 m - 200 kg



The DE@NET universal control board makes this operator **compatible with NETLINK System**.

 175



Compatible with **NETCOM**, the device for the installations maintenance and remotes management, **from your office!**

 176



Compatible with **DEAuser** and **DEAinstaller**, the smartphone Apps to manage installations **locally**.

 177



Compatible with **NETBOX**, the device **for managing remotes** from your office.

 181



# ANGOLO



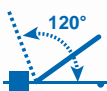
Compatible with external cable release (art.580M and art. BLINDOS - optional), to always have safe access from outside the property

The small size of this motor (L = 114mm) allows installation in any condition

Integrated DE@NET control panel for compact installation



Door opening up to 120°



Sled arm (optional) that allows you to avoid lateral obstructions



The DE@NET universal control board make this operator **compatible with NETLINK** System.



Compatible with NETCOM, the device for installation maintenance and remote control management





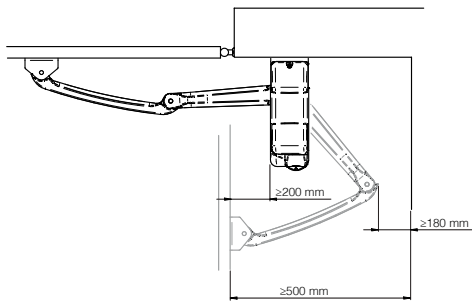
24V --- operators with control board, without arm



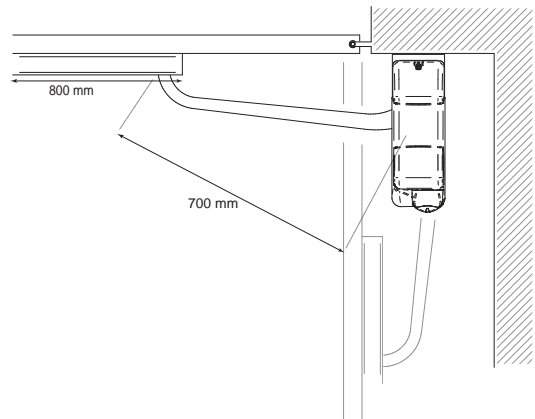
COD.	Art.			OTHER CHARACTERISTICS
626300	ANGOLO24NET/1		NET24N	<ul style="list-style-type: none"> <li>• 1 operator</li> <li>• Anti-crushing safety device</li> <li>• Speed adjustment and slow down in opening and closing</li> </ul>

All models have: arm and mounting plate not included. N.1 control board NET24N included.

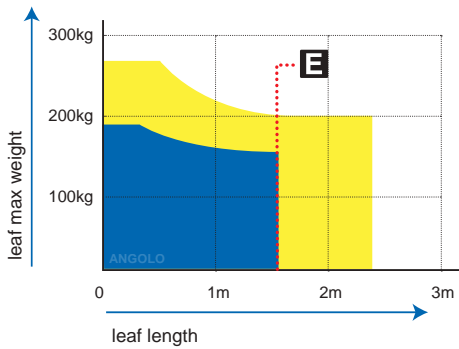
DIMENSIONS WITH ARMS



Refer to instructions manual for installation dimensions



GUIDE TO USE

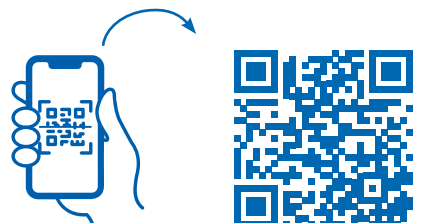


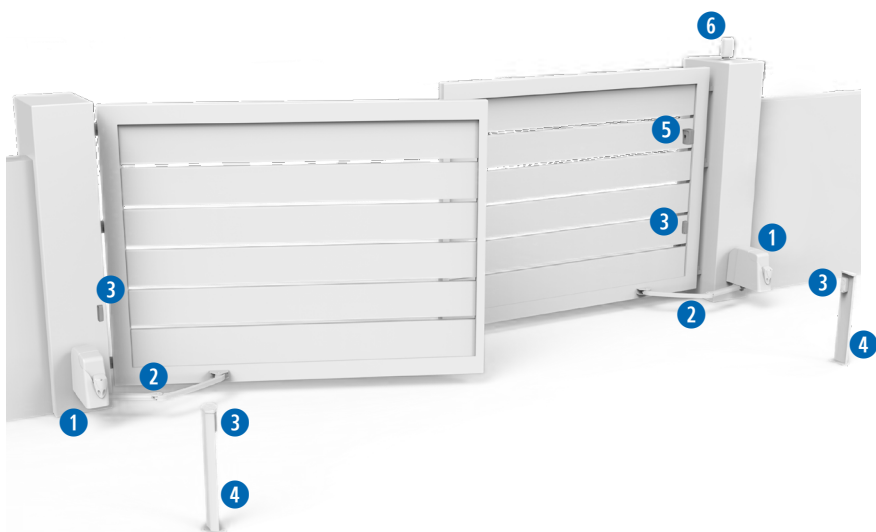
If the leaf length is bigger than 1,5 metres or if you use reversible models you must install the electric-lock to block the gate in closed position. The height and the leaf structure, as well as the presence of strong wind, can cause the reduction of the value of the data contained in table.

- = GEKO/BS
- = GEKO/BA

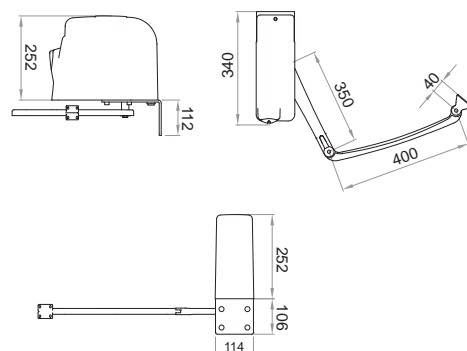
TECHNICAL INFO	ANGOLO 24NET
Motor power supply (V)	24V ---
Maximum power absorption (W)	60
Max torque (Nm)	120
Duty cycle (cycles/hours)	25
N. max cycles in 24h.	60
Operating temperature (°C)	-20 ÷ 50
90° Opening time (s)	15
Weight with packing (Kg)	12,5
Sound pressure (dBA)	< 70
Protection level	IP44

Scan the QR CODE to view the landing page dedicated to this operator







DIMENSIONS (with arms GEKO/BA)



**PACK**

**1**  **COD. 626300**  
**Art. ANGOLO24NET/1**  
 Electromechanical automation for swing gates


**PACK**

**1**  **COD. 678251**  
**Art. NET24N**  
 Universal digital control board for 1 or 2 operators. 24V, with or without magnetic encoder

**2**  **COD. 629260**  
**Art. GEKO/BA**  
 Aluminium articulated arm


**PACK**

**3**  **COD. 662080**  
**Art. LINEAR/XS**  
 Pair of mini synchronizable photocell for outdoor installation. Maximum range 20m


**4**  **COD. 664000**  
**Art. PILLY/60**  
 Pair of 55cm column for photocells (2 pcs)

**5**  **COD. 663090**  
**Art. GT-KEY**  
 Metal vandal proof keyswitch with two contacts, surface mounted. Supplied with 2 keys.

**PACK**

**6**  **COD. 661130**  
**Art. AURA N**  
 LED flashing light, multi-voltage 24V AC-DC/120V AC/230V AC, with integrated antenna 433MHz/868MHz

**PACK**

 **COD. 672635**  
**Art. GTI2**  
 Serialized white 2-channel remote control, 433 MHz, with 3 coding: HCS Rolling-Code, Dip-Switch and new D.A.R.T. coding

**PACK**

 **COD. 381060**  
**Art. 580V**  
 Vertical mounting plate (fastening of operator perpendicularly to the gate)

 **COD. 668010**  
**Art. 127**  
 Warning sign

**PACK** for further details on the PACKS see price list

## SPECIFIC ACCESSORIES



**COD. 629260**  
**Art. GEKO/BA**  
Aluminium articulated arm



**COD. 629261**  
**Art. GEKO/BS**  
Roll sliding arm, painted galvanized steel



**COD. 381070**  
**Art. 580L**  
Horizontal mounting plate (fastening of operator parallel to the gate)



**COD. 381060**  
**Art. 580V**  
Vertical mounting plate (fastening of operator perpendicularly to the gate)



**COD. 629200**  
**Art. 580M**  
External unlocking device by cable (4,5m). To be used with BLINDOS



**COD. 665000**  
**Art. BLINDOS**  
Aluminium safety enclosure, with European cylinder, ready for unlocking device by cable.



**COD. 629250**  
**Art. COL 515**  
Anti-fall stainless steel cable with 2 holes for swing gates



**COD. 629290**  
**Art. BAT**  
Rechargeable batteries kit for 24V operators, 12V - 1,2Ah, complete with wiring cables and fixing plate



# GHOST 100

Electromechanical underground automation for swing gates

up to 3,5 m - 400 kg



The DE@NET universal control board makes this operator **compatible with NETLINK System**.

 175



Compatible with **NETCOM**, the device for the installations maintenance and remotes management, **from your office!**

 176



Compatible with **DEAuser** and **DEAinstaller**, the smartphone Apps to manage installations **locally**.

 177



Compatible with **NETBOX**, the device **for managing remotes** from your office.

 181



# GHOST 100



Leaf opening up to 180° with art. 116GN

The operator is supplied with 8m power cable to facilitate the electrical connection to the control panel

Operator body compatible with foundation box of other brands

The one-piece aluminum operator body guarantees maximum watertight integrity



The standard foundation box with cataphoresis treatment guarantees excellent resistance to atmospheric agents. Stainless steel case also available for high salinity conditions

Built-in mechanical stops as standard to eliminate the need for floor stops

The DE@NET external universal control board make this operator compatible with the NETLINK system.



Compatible with NETCOM, the device for installation maintenance and remote control management



## 230V ~ operators without control board, with mechanical stops



COD.	Art.			OTHER CHARACTERISTICS
621252	100/CL			• Underground operator with connection lever, mechanical stops and complete with 8m of cable
621253	100EN/CL		✓	• Underground operator with connection lever, mechanical stops, encoder and complete with 8m of cable

**All models:** foundation box not included. Mechanical limit switches included.  
**Control board to complete the installation:** control board cod. 677610 art. NET230N/C (with box)  
**For all models:** cable L=8m

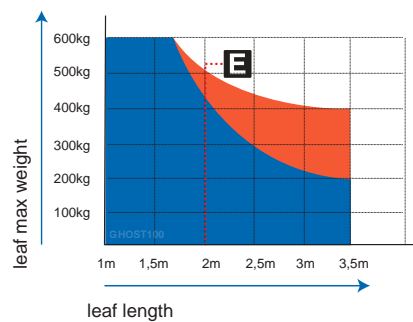
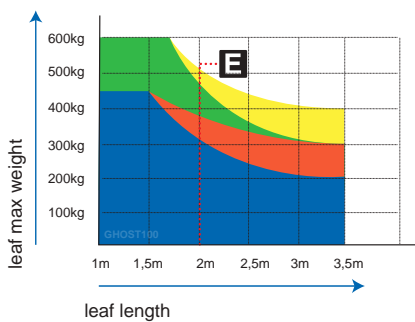
## 24V = operators without control board, with mechanical stops



COD.	Art.		OTHER CHARACTERISTICS
621262	100/24CL		• Underground operator with connection lever, mechanical stops, encoder and complete with 8m of cable

**All models:** foundation box not included. Mechanical limit switches included.  
**Control board to complete the installation:** control board cod. 678261 art. NET24N/C (with box)  
**For all models:** cable L=8m

## GUIDE TO USE



- = models with encoder and mechanical limit switches incorporated in the operator or art. 118/XL
- = models with encoder and mechanical stops on the ground
- = models with mechanical limit switches incorporated in the operator or art. 118/XL
- = models with mechanical stop on the ground

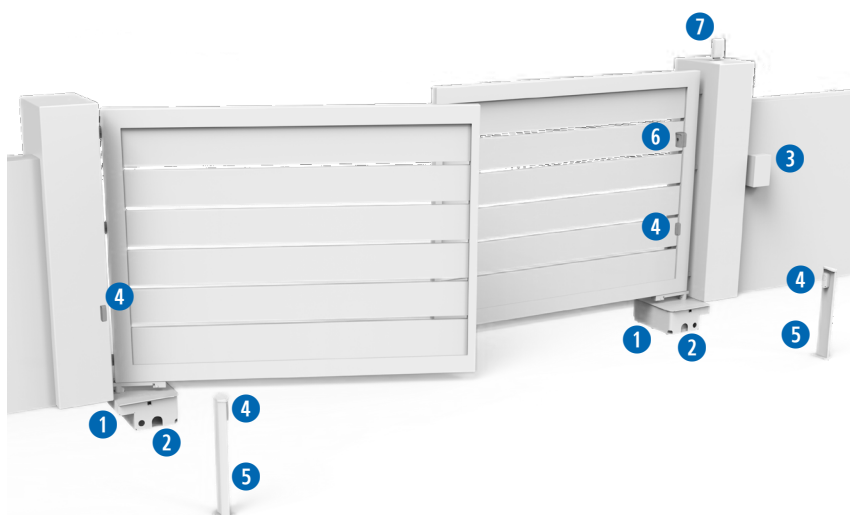
If the leaf length is bigger than 2m or if you use reversible models you must install the electric-lock to block the gate in closed position. The height and the leaf structure, as well as the presence of strong wind, can cause the reduction of the value of the data contained in table or make it necessary to use an electric lock also for leaves shorter than 2m.

Scan the QR CODE to view the landing page dedicated to this operator

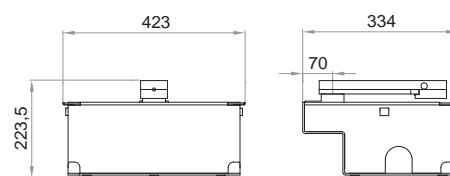


TECHNICAL INFO	100/CL - 100EN/CL	100/24CL
Motor power supply (V)	230V ~ ± 10 % (50/60 Hz)	24V ~
Maximum power absorption (W)	250	50
Max torque (Nm)	250	200
Duty cycle (cycles/hours)	18 - 25 (vers. 100EN)	40
N. max cycles in 24h.	100	
Built-in capacitor (µF)	10	/
Operating temperature (°C)	(-20°) - (50°)	
Motor thermal protection (°C)	150	/
90° Opening time (s)	16	14
Weight with packing (Kg)	11	
Sound pressure (dBA)	< 70	
Protection rating	IP67	

EXAMPLE OF A TYPICAL INSTALLATION



DIMENSIONS



**KIT**

**1** **COD. 621253**  
**Art. 100EN/CL**  
Electromechanical underground operator for swing gates

**KIT**

**2** **COD. 629000**  
**Art. 215**  
Foundation box with cataphoresis treatment complete with gate support and unlocking device

**KIT**

**3** **COD. 677610**  
**Art. NET230N/C**  
Universal digital control board for 1 or 2 operators, 230V with or without magnetic encoder (with box)

**KIT**

**4** **COD. 662080**  
**Art. LINEAR/XS**  
Pair of mini synchronizable photocells for outdoor installation. Maximum range 20m

**5** **COD. 664000**  
**Art. PILLY/60**  
Pair of 55cm column for photocells (2 pcs)

**6** **COD. 663090**  
**Art. GT-KEY**  
Metal vandal proof keyswitch with two contacts, surface mounted. Supplied with 2 keys.

**KIT**

**7** **COD. 661130**  
**Art. AURA N**  
LED flashing light, multi-voltage 24V AC-DC/120V AC/230V AC, with integrated antenna 433MHz/868MHz

**KIT**

**COD. 672645**  
**Art. GTI4**  
Serialized white 4-channel remote control, 433 MHz, with 3 coding options: HCS Rolling-Code, Dip-Switch and new D.A.R.T. coding.

**COD. 668010**  
**Art. 127**  
Warning sign

**KIT** for further details on the kits see price list



## SPECIFIC ACCESSORIES



**COD. 629000**  
**Art. 215**  
Foundation box with cataphoresis treatment complete with gate support and unlocking device



**COD. 629010**  
**Art. 215I**  
Stainless steel foundation box complete with unlocking mechanism



**COD. 629022**  
**Art. 116G/N**  
Device to be fixed to art. 215 e art. 215I to obtain an opening angle of 180°



**COD. 629391**  
**Art. KIT ADAB**  
Adapter set for other foundation boxes dim. 410x330x145 mm



**COD. 629392**  
**Art. KIT ADA 115/C**  
Adapter set for foundation box art. 115, art. 115I



**COD. 629290**  
**Art. BAT**  
Rechargeable battery kit for 24V operators, 12V - 1,2Ah, complete with wiring cables



**COD. 629032**  
**Art. 118/XL**  
Additional reinforced limit switch for GHOST100 motor, in closed position



**COD. 330610**  
**GHOST RELEASE KEY**  
Release key for GHOST



# GHOST 200

Electromechanical underground  
automation for swing gates

up to 4 m - 400 kg



The DE@NET universal control board makes this operator **compatible with NETLINK System**.

 175



Compatible with **NETCOM**, the device for the installations maintenance and remotes management, **from your office!**

 176



Compatible with **DEAuser** and **DEAinstaller**, the smartphone Apps to manage installations **locally**.

 177



Compatible with **NETBOX**, the device **for managing remotes** from your office.

 181



# GHOST 200



Operators available in fast or slow version, for greater safety during movement

Painted aluminum operator body for high corrosion protection

Leaf opening up to 180° with art. 216



The operator is supplied with 8m power cable to facilitate the electrical connection to the control panel



The external plate for mechanical stops (art. 218 - optional) eliminates the need for ground stops

The DE@NET external universal control board make this operator compatible with the NETLINK system.



**NETCOM**

Compatible with NETCOM, the device for installation maintenance and remote control management

The standard foundation box with cataphoresis treatment guarantees excellent resistance to atmospheric agents. Stainless steel case also available for high salinity conditions



## 230V ~ operators without control board



COD.	Art.			OTHER CHARACTERISTICS
621040	200CL	●●		<ul style="list-style-type: none"> <li>Underground operator with connection lever and complete with 8m of cable</li> </ul>
621013	200L/CL	●●		<ul style="list-style-type: none"> <li>Slow version (90°=26s)</li> <li>Underground operator with connection lever and complete with 8m of cable</li> </ul>

All models: foundation box and limit switches not included.

Control board to complete the installation: control board cod. 677610 art. NET230N/C (with box)

For all models: cable L=8m

## 24V = operators without control board



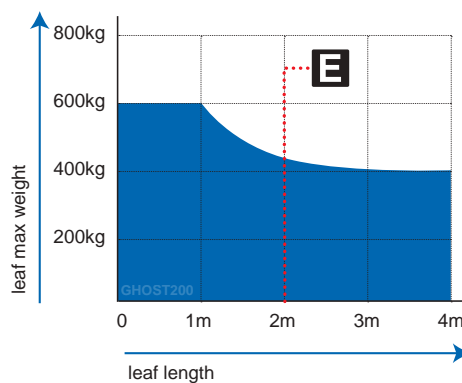
COD.	Art.		OTHER CHARACTERISTICS
621050	200/24CL	●●●	<ul style="list-style-type: none"> <li>Underground operator with connection lever and complete with 8m of cable</li> </ul>

All models: foundation box and limit switches not included.

Control board to complete the installation: control board cod. 678261 art. NET24N/C (with box)

For all models: cable L=8m

## GUIDE TO USE



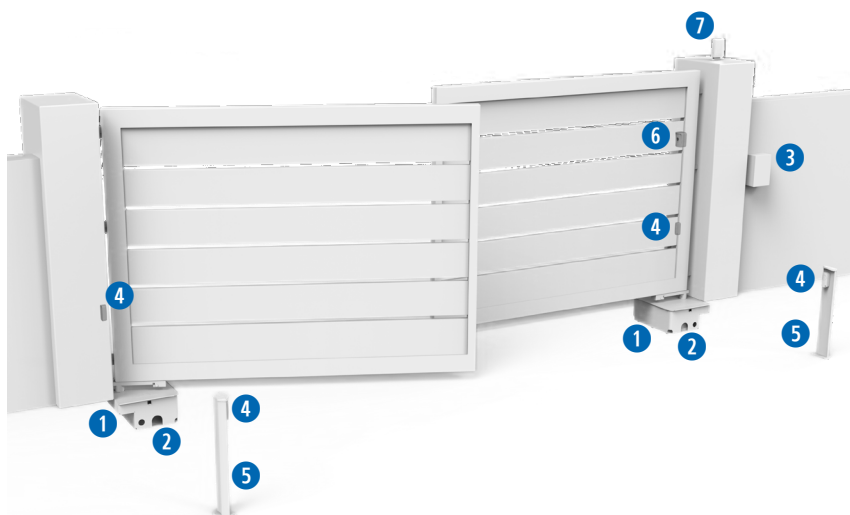
If the leaf length is bigger than 2m or if you use reversible models you must install the electric-lock to block the gate in closed position. The height and the leaf structure, as well as the presence of strong wind, can cause the reduction of the value of the data contained in table or make it necessary to use an electric lock also for leaves shorter than 2m.

Scan the QR CODE to view the landing page dedicated to this operator

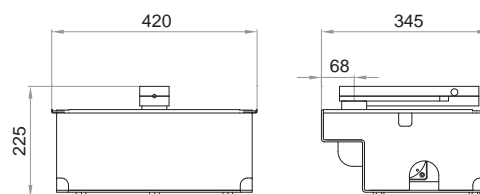


TECHNICAL INFO	200CL	200L/CL	200/24CL
Motor power supply (V)	230V ~ ± 10 % (50/60 Hz)		24V =
Maximum power absorption (W)	400	330	150
Max torque (Nm)	320	300	210
Duty cycle (cycles/hours)	20 - 28	18	40
Built-in capacitor (µF)	12,5		/
Operating temperature (°C)	-20 ÷ 50		
Motor thermal protection (°C)	150		/
90° Opening time (s)	17	26	16
Weight with packing (Kg)	14,5		14
Sound pressure (dBA)	< 70		
Protection level	IP67		

EXAMPLE OF A TYPICAL INSTALLATION



DIMENSIONS




**KIT**

**1**  **COD. 621040**  
**Art. 200CL**  
Electromechanical underground operator for swing gates

**KIT**


**2**  **COD. 629000**  
**Art. 215**  
Foundation box with cataphoresis treatment complete with gate support and unlocking device

**KIT**

**3**  **COD. 677610**  
**Art. NET230N/C**  
Universal digital control board for 1 or 2 operators, 230V with or without magnetic encoder (with box)


**KIT**

**4**  **COD. 662080**  
**Art. LINEAR/XS**  
Pair of mini synchronizable photocell for outdoor installation. Maximum range 20m


**5**  **COD. 664000**  
**Art. PILLY/60**  
Pair of 55cm column for photocells (2 pcs)

**6**  **COD. 663090**  
**Art. GT-KEY**  
Metal vandal proof keyswitch with two contacts, surface mounted. Supplied with 2 keys.

**KIT**

**7**  **COD. 661130**  
**Art. AURA N**  
LED flashing light, multi-voltage 24V AC-DC/120V AC/230V AC, with integrated antenna 433MHz/868MHz

**KIT**

 **COD. 672645**  
**Art. GTI4**  
Serialized white 4-channel remote control, 433 MHz, with 3 coding options: HCS Rolling-Code, Dip-Switch and new D.A.R.T. coding.

**COD. 668010**  
**Art. 127**  
Warning sign

**KIT** for further details on the kits see price list

## SPECIFIC ACCESSORIES



**COD. 629000**  
**Art. 215**  
Foundation box with cataphoresis treatment complete with gate support and unlocking device



**COD. 629010**  
**Art. 215l**  
Stainless steel foundation box complete with unlocking mechanism



**COD. 629030**  
**Art. 218**  
Mechanical limit switches



**COD. 629020**  
**Art. 216**  
Device to be fixed into art. 215 e art. 215l to obtain an opening angle of 180°



**COD. 629290**  
**Art. BAT**  
Rechargeable batteries kit for 24V operators, 12V - 1,2Ah, complete with wiring cables and fixing plate



**COD. 330610**  
**GHOST RELEASE KEY**  
Release key for GHOST





# COUNTERWEIGHT DOORS



Choose the operator suitable for your counterweight:



## LIVI 902

- 1 operator up to 9m<sup>2</sup> - 2 operators over 9m<sup>2</sup>
- 230V / 24V
- Semi-intensive use

## SELECTION GUIDE

Choose the garage door size in square metres

							Art.
< 9m <sup>2</sup>	X 1	230V	●●	✓	✓		905NET/IP/BF
			●●			✓	902EN/IP/BF
< 9m <sup>2</sup>	X 1	24V	●●	✓	✓		905/24NET/BF
			●●			✓	902/24EN/BF
> 9m <sup>2</sup>	X 2	230V	●●	✓	✓		905NET/IP/BF
			●●			✓	902EN/IP/BF
> 9m <sup>2</sup>	X 2	24V	●●	✓	✓		905/24NET/BF
			●●			✓	902/24EN/BF





# LIVI 902

Electromechanical automation for counterweight overhead doors

1 operator up to 9m<sup>2</sup>  
2 operators over 9m<sup>2</sup>



The DE@NET universal control board makes this operator **compatible with NETLINK System**.

 175



Compatible with **NETCOM**, the device for the installations maintenance and remotes management, **from your office!**

 176



Compatible with **DEAuser** and **DEAinstaller**, the smartphone Apps to manage installations **locally**.

 177



Compatible with **NETBOX**, the device **for managing remotes** from your office.

 181



# LIVI 902



Robust mechanical gears and cogs guarantee reliability and durability over time



Integrated manual unlocking device



Check on the movement of motor by encoder which guarantees precision and safety



External unlocking device with art. 960C

New versions are available, with high IP level IP44

The DE@NET universal control board make this operator compatible with NETLINK System.



**NETCOM**

Scan the QR CODE to view all the content we have created on this operator



Compatible with NETCOM, the device for installation maintenance and remote control management!



### 230V ~ operators with control board, without fixing plate



COD.	Art.				OTHER CHARACTERISTICS
633414	905NET/IP/BF		NET230N	✓	<ul style="list-style-type: none"> <li>Designed for unlocking device by cable</li> <li>Magnetic encoder</li> <li>IP44</li> </ul>
633413	905NETP/BF		NET230N	✓	<ul style="list-style-type: none"> <li>Integrated push-button. Designed for unlocking device by cable</li> <li>Magnetic encoder</li> </ul>

All 905 models: control board included art. NET230N. Fixing plate not included.

### 230V ~ operators without control board and fixing plate

COD.	Art.			OTHER CHARACTERISTICS
633353	902EN/IP/BF		✓	<ul style="list-style-type: none"> <li>Designed for unlocking device by cable</li> <li>Magnetic encoder</li> <li>IP44</li> </ul>
633351	902EN/BF		✓	<ul style="list-style-type: none"> <li>Designed for unlocking device by cable</li> <li>Magnetic encoder</li> </ul>

All 902 models: control board and fixing plate not included.

Control board to complete the installation: control board cod. 677610 art. NET230N/C (with box)

### 24V ~ operators with control board, without fixing plate



COD.	Art.				OTHER CHARACTERISTICS
633432	905/24NET/BF		NET24N	✓	<ul style="list-style-type: none"> <li>To place external unlocking device handle</li> <li>Magnetic encoder</li> </ul>

All 905 models: control board included art. NET24N. Fixing plate not included.

### 24V ~ operators without control board and fixing plate

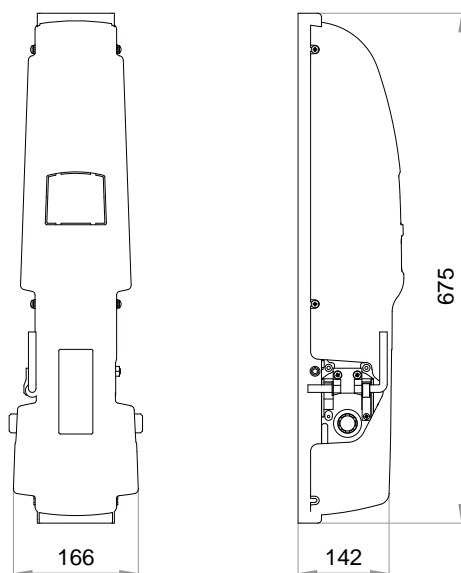
COD.	Art.			OTHER CHARACTERISTICS
633175	902/24EN/BF		✓	<ul style="list-style-type: none"> <li>Designed for unlocking device by cable</li> <li>Magnetic encoder</li> </ul>

All 902 models: control board and fixing plate not included.

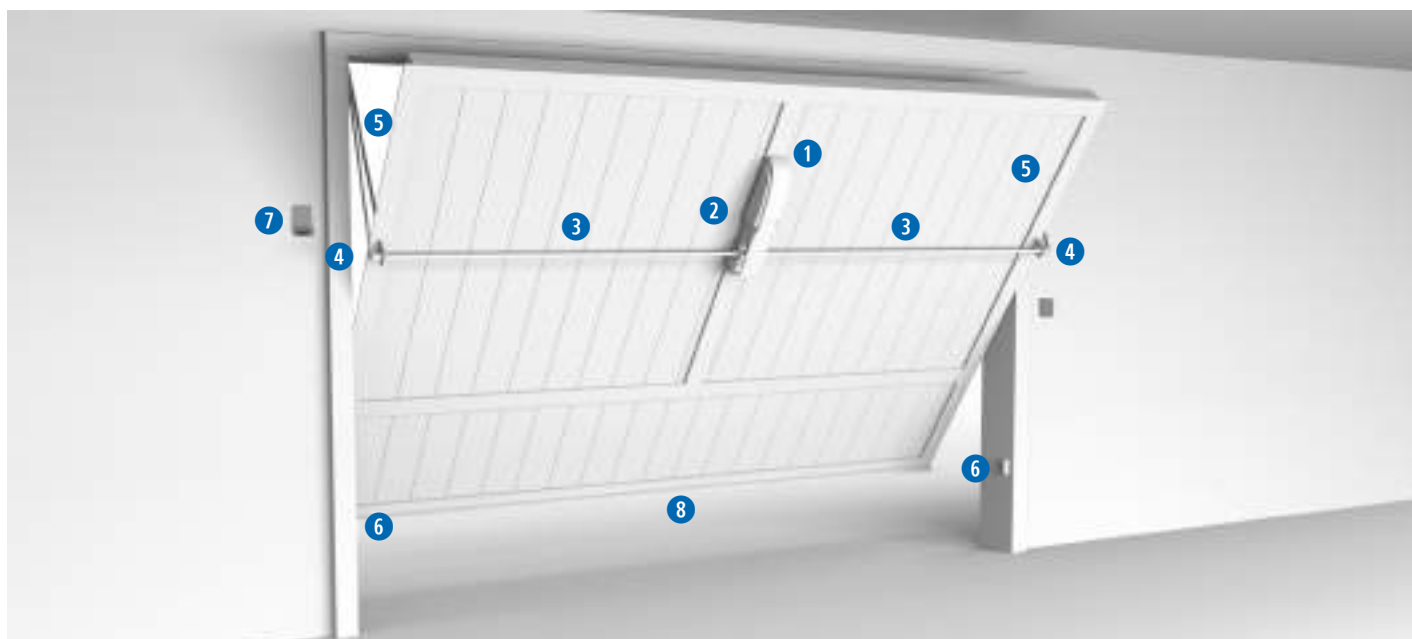
Control board to complete the installation: control board cod. 677610 art. NET24N/C (with box)

TECHNICAL INFO	905NET/IP/BF - 902EN/IP/BF	905NETP/BF - 902EN/BF	905/24NET/BF - 902/24EN/BF
Motor power supply (V)	230V ~ ± 10 % (50/60 Hz)		24V =
Maximum power absorption (W)	450		200
Max torque (Nm)	370		350
Duty cycle (cycles/hours)	20		35
N. max cycles in 24h.	220		290
Built-in capacitor (µF)	8		-
Operating temperature (°C)	-20 ÷ 40		
Motor thermal protection (°C)	150		-
Speed (rpm)	1,6		1,8
Weight with packing (Kg)	11		10
Sound pressure (dBA)	< 70		< 70
Protection level	IP44		IPX0

## DIMENSIONS



EXAMPLE OF A TYPICAL INSTALLATION WITH 1 OPERATOR




**1**  **COD. 633414**  
**Art. 905NET/IP/BF**  
Operator for counterweight overhead door

**2**  **COD. 380380**  
**Art. 953NL**  
Fixing plate  
L=2000mm

**3**  **COD. 639070**  
**Art. 952BL**  
Pair of pipes  
Ø=30mm, L=2000mm  
with bushing (for central mounting)


Order 2pcs

**4**  **COD. 639560**  
**Art. 955**  
Pipe support Ø=30,5mm

Order 2pcs

**5**  **COD. 639140**  
**Art. 950V**  
Telescopic straight arm to be screwed, right and left  
Bushing Ø=40mm

**6**  **COD. 662080**  
**Art. LINEAR/XS**  
Pair of mini synchronizable photocell for outdoor installation.  
Maximum range 20m

**7**  **COD. 661130**  
**Art. AURA N**  
LED flashing light, multi-voltage  
24V AC-DC/120V AC/230V AC, with integrated antenna 433MHz/868MHz

**COD. 672645**  
**Art. GTI4**  
Serialized white 4-channel remote control, 433 MHz, with 3 coding options: HCS Rolling-Code, Dip-Switch and new D.A.R.T. coding.

 **COD. 639100**  
**Art. 960C**  
Hole cover with key for external unlocking

 **COD. 668010**  
**Art. 127**  
Warning sign

**8**  **COD. 667051**  
**Art. SOFTP**  
Safety rubber profile (complete with aluminium base) useful to reduce the impact forces (24m)

EXAMPLE OF A TYPICAL INSTALLATION WITH 2 OPERATORS



**1**

**COD. 633414**  
**Art. 905NET/IP/BF**  
Operator for counterweight overhead door

**2**

**COD. 633353**  
**Art. 902EN/IP/BF**  
Operator without control board for counterweight overhead door

**3**

**COD. 639140**  
**Art. 950V**  
Telescopic straight arm to be screwed, right and left  
Bushing Ø=40mm

**Order 2pcs**

**4**

**COD. 380360**  
**Art. 953C**  
Fixing plate L=675mm

**Order 2pcs**

**4**

**COD. 662080**  
**Art. LINEAR/XS**  
Pair of mini synchronizable photocell for outdoor installation. Maximum range 20m

**5**

**COD. 661130**  
**Art. AURA N**  
LED flashing light, multi-voltage  
24V AC-DC/120V AC/230V AC, with integrated antenna 433MHz/868MHz

**COD. 672645**  
**Art. GTI4**  
Serialized white 4-channel remote control, 433 MHz, with 3 coding options: HCS Rolling-Code, Dip-Switch and new D.A.R.T. coding.

**6**

**COD. 667051**  
**Art. SOFTP**  
Safety rubber profile (complete with aluminium base) useful to reduce the impact forces (24m)

**COD. 639100**  
**Art. 960C**  
Hole cover with key for external unlocking

**COD. 668010**  
**Art. 127**  
Warning sign

**Order 2pcs**

**COD. 639560**  
**Art. 955**  
Pipe support Ø=30,5mm

**Order 2pcs**

**COD. 639160**  
**Art. 954V**  
Splined bushing L=300 mm (to be screwed)



**X > 15mm**

**COD. 639040**  
**Art. 950**

**COD. 639140**  
**Art. 950V**

**X < 15mm**

**COD. 639151**  
**Art. 951V SX**

**COD. 639150**  
**Art. 951V DX**

**COD. 639050**  
**Art. 951**



## SPECIFIC ACCESSORIES



**COD. 380360**  
**Art. 953C**  
Fixing plate L=675mm



**COD. 380370**  
**Art. 953N**  
Fixing plate L=1300mm



**COD. 380380**  
**Art. 953NL**  
Fixing plate L=2000mm



**COD. 639560**  
**Art. 955**  
Pipe support Ø=30,5mm



**COD. 639570**  
**Art. 955V**  
Pipe support Ø=40,5mm



**COD. 639070**  
**Art. 952BL**  
Pair of pipes  
Ø=30mm, L=2000mm  
with bushing (for  
central mounting)



**COD. 639040**  
**Art. 950**  
Telescopic straight arm  
to be welded (profile  
40x10mm)



**COD. 639140**  
**Art. 950V**  
Telescopic straight  
arm to be screwed,  
right and left  
Bushing Ø=40mm



**COD. 639050**  
**Art. 951**  
Telescopic bent arm to be  
welded (profile 40x10mm)



**COD. 639151**  
**Art. 951V SX**  
Telescopic bent arm to  
be screwed (left side)  
Bushing Ø=40mm



**COD. 639150**  
**Art. 951V DX**  
Telescopic bent arm to  
be screwed (right side)  
Bushing Ø=40mm



**COD. 639080**  
**Art. 954**  
Splined bushing L=35mm  
(for side mounting)



**COD. 639360**  
**Art. 950BS**  
Galvanized steel  
telescopic arm with 50  
mm splined bushing



**COD. 629190**  
**Art. 560BT**  
Reinforced galvanized  
steel telescopic arm with  
splined bushing



**COD. 639121**  
**Art. 960PN**  
Start push button to  
be mounted on the  
cover



**COD. 639160**  
**Art. 954V**  
Splined bushing with pipe  
L=300mm to be screwed



**COD. 639111**  
**Art. 560F - 960F**  
Limit switches set



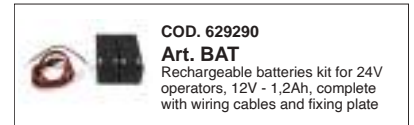
**COD. 430650**  
**Art. 960BF**  
Unlocking device by cable  
(4m)



**COD. 639100**  
**Art. 960C**  
Hole cover with key for  
external unlocking



**COD. 667051**  
**Art. SOFTP**  
Safety rubber profile (complete  
with aluminium base) useful  
to reduce the impact forces (24m)



**COD. 629290**  
**Art. BAT**  
Rechargeable batteries kit for 24V  
operators, 12V - 1,2Ah, complete  
with wiring cables and fixing plate



# SECTIONAL AND COUNTERWEIGHT SPRING DOORS



Choose the operator for your garage door:



## ADVANCE N

- Up to 16m<sup>2</sup>
- 24V
- For residential use
- 600N and 1200N versions



## SPACE N

- Up to 16m<sup>2</sup>
- 24V
- Residential and semi-intensive use
- 600N, 800N and 1200N versions



## TEO 700

- Up to 9m<sup>2</sup>
- 24V
- Residential use
- 1000N version

## SELECTION GUIDE

Choose the maximum size in square metres of the sectional door

<9m <sup>2</sup>	1000N	24V	●		✓	TEO700	
<10m <sup>2</sup>	600N	24V	●	✓	NET724 EVO	ADVANCE/N	
						SPACE/N	
<12m <sup>2</sup>	800N	24V	●	✓	NET724 EVO	SPACE/N/L BOOST	
<16m <sup>2</sup>	1200N	24V	●	✓	NET724 EVO	ADVANCE/N/XL	
			●●			SPACE/N/XL	
						SPACE/N/XXL	



# ADVANCE N

Automation for sectional and counterweight spring doors

up to 16m<sup>2</sup>



The DE@NET universal control board makes this operator **compatible with NETLINK System**.

 175



Compatible with **NETCOM**, the device for the installations maintenance and remotes management, **from your office!**

 176



Compatible with **DEAuser** and **DEAinstaller**, the smartphone Apps to manage installations **locally**.

 177



Compatible with **NETBOX**, the device **for managing remotes** from your office.

 181



# ADVANCE N

Separate control panel from the operator to be installed on the wall. Programming is easier and the open / stop / close buttons are close at hand.

This operator is compatible with the NETLINK System.



**NET724EVO**, the new control board:

- **EASY** and **PRO** navigation menus
- improved management of the stroke
- force tracking with **EVO TRACK** technology



Quick opening (**up to 19cm/s**) and very silent, thanks to the steel track with belt

The belt is reinforced with internal iron filaments to ensure silence and durability over time.

Track available in sizes:

- 3200 mm (art. AB16)
- 4000 mm (art. AB20).

The easy-to-assemble two-piece rail makes transport easier.

Two-channel encoder technology that ensures maximum precision and safety during opening and closing



24V = operators with control board and encoder



COD.	Art.					OTHER CHARACTERISTICS
636140	ADVANCE/N	600N	✓	●	NET724 EVO	<ul style="list-style-type: none"> <li>• Operator with 2 channels encoder</li> <li>• Separated control board with box*, programming by display, Open/Close external push buttons, LED courtesy light</li> <li>• Quick connection of the operator in the track</li> <li>• Continuous adjustment of the stroke and forces</li> <li>• Secured programming procedure</li> <li>• Without track</li> </ul>
636142	ADVANCE/N/XL	1200N	✓	●		

All models: control panel with box for wall mounting and 1 transmitter art. GTI4 included. Track not included.  
 \* for up to 200 remote controls

Steel track with belt:

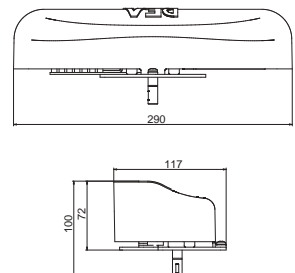


COD.	Art.	CHARACTERISTICS
636090	AB16	Steel track with belt, 2 pcs, 1.600+1.600 mm ADVANCE N series: useful stroke: 2.776 mm
636093	AB20*	Iron track with belt, 2 pcs, 2.000 x 2.000 mm ADVANCE N series: useful stroke: 3.576 mm

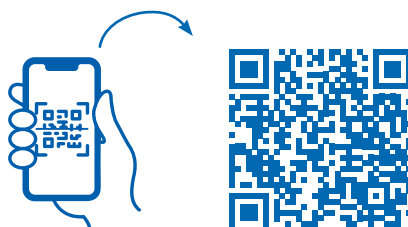
\*Recommended: to use with art. AB/BACKET cod. 639381, for greater track stability.

TECHNICAL INFO	ADVANCE/N	ADVANCE/N/XL
Supply voltage	220 - 240V ~ ±10% (50/60Hz)	
Motor power supply (V)	24V =	
Rated power transformer (VA)	150VA (230/25V)	
Fuse F1	T2A 250V (delayed)	
Maximum power absorption (W)	100	220
Max thrust (N)	600	1200
Duty cycle (cycles/hours)	20	25
N. max cycles in 24h.	60	75
Operating temperature (°C)	(-20°) - (50°)	
Speed (cm/s)	17	19
Weight with packing (Kg)	4	
Sound pressure (dBA)	< 70	
Protection rating	IPX0	

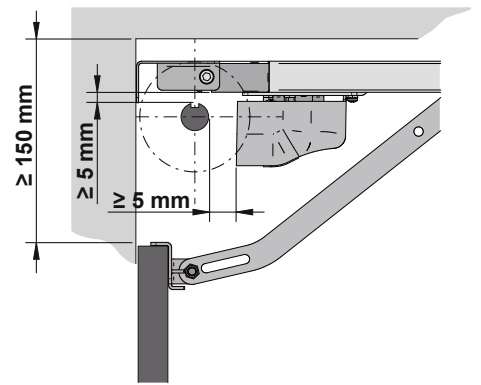
DIMENSIONS



Scan the QR CODE to view the landing page dedicated to this operator



DOOR SIDE INSTALLATION



STANDARD SIDE INSTALLATION



**KIT**

**1**

**Art. ADVANCE N**  
1 operator ADVANCE N - 24V  
with separated control board

**KIT**

**2**

**COD. 636090**  
**Art. AB16**  
Iron track with belt, 2 pcs.,  
1.600 + 1.600 mm

**KIT**

**COD. 672645**  
**Art. GTI4**  
Serialized white 4-channel remote  
control, 433 MHz, with 3 coding  
options: HCS Rolling-Code, Dip-Switch  
and new D.A.R.T. coding.

**3**

**COD. 661130**  
**Art. AURA N**  
LED flashing light, multi-voltage  
24V AC-DC/120V AC/230V AC, with  
integrated antenna 433MHz/868MHz

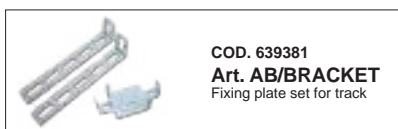
**4**

**COD. 662080**  
**Art. LINEAR/XS**  
Pair of mini synchronizable  
photo-cell for outdoor installation.  
Maximum range 20m

**KIT** for further details on the kits  
see price list



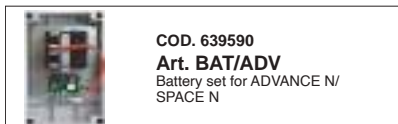
## SPECIFIC ACCESSORIES



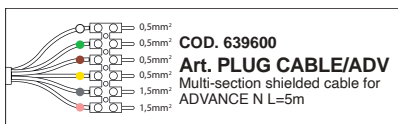
**COD. 639381**  
**Art. AB/BRACKET**  
Fixing plate set for track



**COD. 639350**  
**Art. 723**  
Arm adaptor for sectional doors



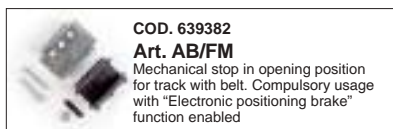
**COD. 639590**  
**Art. BAT/ADV**  
Battery set for ADVANCE N/SPACE N



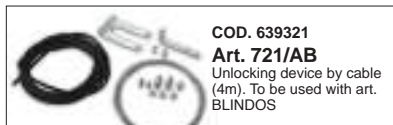
**COD. 639600**  
**Art. PLUG CABLE/ADV**  
Multi-section shielded cable for ADVANCE N L=5m



**COD. 639322**  
**Art. 721D**  
External unlocking device for ADVANCE N/SPACE N



**COD. 639382**  
**Art. AB/FM**  
Mechanical stop in opening position for track with belt. Compulsory usage with "Electronic positioning brake" function enabled



**COD. 639321**  
**Art. 721/AB**  
Unlocking device by cable (4m). To be used with art. BLINDOS



**COD. 639372**  
**Art. 762C**  
Unlocking device by cable with lock



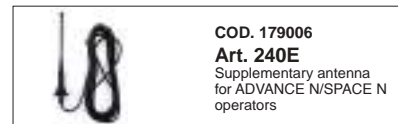
**COD. 665000**  
**Art. BLINDOS**  
Aluminium safety enclosure, with European cylinder, ready for unlocking device by cable.



**COD. 639301**  
**Art. AB/EXTENSION**  
1600mm extension for steel track art. AB16 complete with joint and 9450 mm full belt



**COD. 639340**  
**Art. 722**  
Arm to be used with counterweight doors



**COD. 179006**  
**Art. 240E**  
Supplementary antenna for ADVANCE N/SPACE N operators



**COD. 639371**  
**Art. 761C**  
Unlocking device by cable complete with hole cover lock



# SPACE N

Sectional and counterweight spring doors

up to 16m<sup>2</sup>



The DE@NET universal control board makes this operator **compatible with NETLINK System**.

 175



Compatible with **NETCOM**, the device for the installations maintenance and remotes management, **from your office!**

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Compatible with **DEAuser** and **DEAinstaller**, the smartphone Apps to manage installations **locally**.

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Compatible with **NETBOX**, the device **for managing remotes** from your office.

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# SPACE N

Track available in two sizes:

- 3.200 mm (art. AB16)
- 4.000 mm (art. AB20)

It is packaged in two pieces and is easy to transport and assemble.

The belt is reinforced with internal iron filaments to ensure silence and durability over time.

Available in 4 different versions: 600N, 800N, 1200N and 1200N for higher frequency use.



**NET724EVO**, the new control board:

- **EASY** and **PRO** navigation menus
- improved management of the stroke
- force tracking with **EVO TRACK** technology

Two-channel encoder technology that ensures maximum precision and safety during opening and closing



This operator is compatible with the NETLINK System.



<b>SPACE/N</b>	Opening speed cm/s	<b>17"</b>
<b>SPACE/N/L BOOST</b>		<b>24"</b>

Note: the opening time may increase depending on the characteristics of the installation



Integrated LED courtesy light.

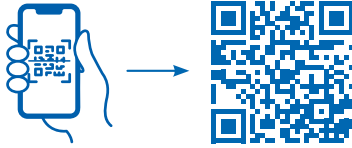


Easy access door.





Scan the QR CODE to view all the content we have created on this operator



## 24V = operators with control board and encoder

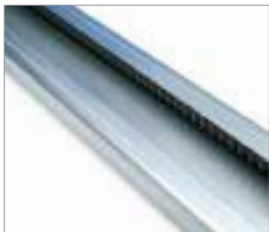


COD.	Art.					OTHER CHARACTERISTICS
636130	SPACE/N	✓	600N		NET724 EVO	<ul style="list-style-type: none"> <li>• Operator with 2 channels encoder</li> <li>• Integrated control board with receiver</li> <li>• for up to 200 remote controls</li> <li>• Without track</li> <li>• Quick connection between the operator and the track</li> <li>• Continuous adjustment of the stroke and forces</li> </ul>
636131	SPACE/N/L BOOST	✓	800N			
636132	SPACE/N/XL	✓	1200N			
636133	SPACE/N/XXL*	✓	1200N			

For all models: NET724 EVO control panel and 1 transmitter art. GTI4 included. Track not included.

\* SPACE/N/XXL: art. AB/FM included

## Steel track with belt:

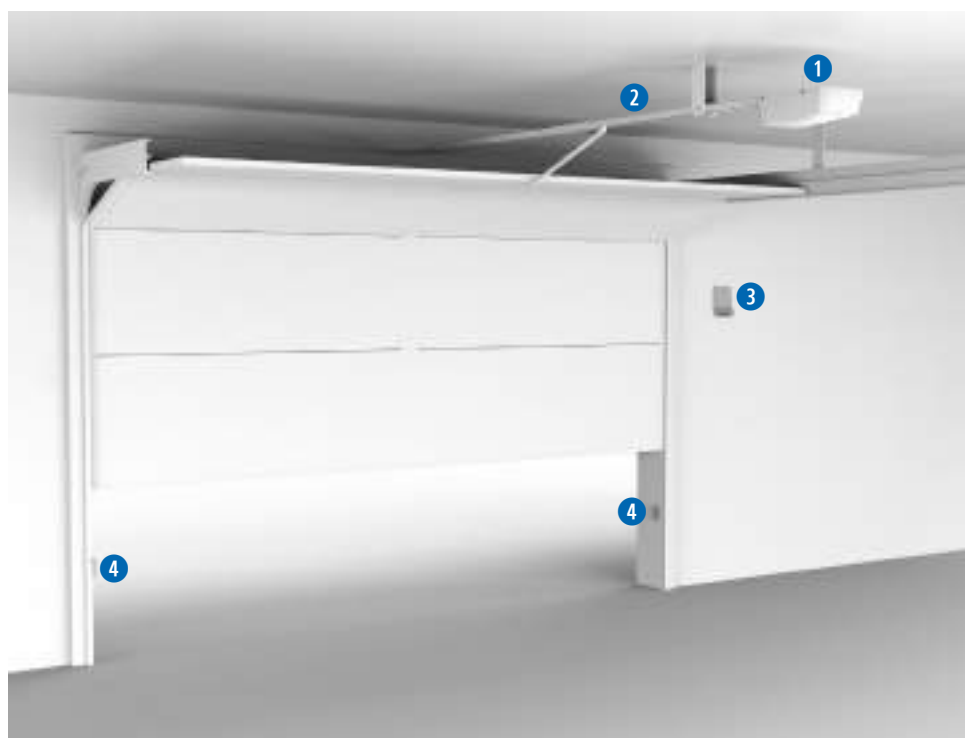


COD.	Art.	CHARACTERISTICS
636090	AB16	Steel track with belt, 2 pcs, 1.600+1.600 mm SPACE N series: useful stroke 2.668 mm
636093	AB20*	Iron track with belt, 2 pcs, 2.000 x 2.000 mm SPACE N series: useful stroke 3.468 mm

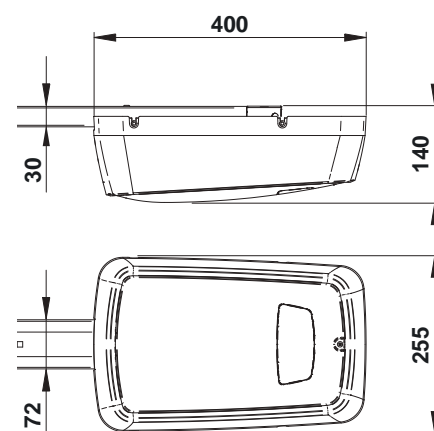
\*Recommended: to use with art. AB/BACKET cod. 639381

TECHNICAL INFO	SPACE/N	SPACE/N/L BOOST	SPACE/N/XL	SPACE/N/XXL
Power supply voltage	230 - 240V ~ ±10% (50/60Hz)			
Motor power supply (V)	24V =			
Rated power transformer	80VA (230/25V)	150VA (230/25V)		
Fuse F1	T2A 250V (delayed)			
Maximum power absorption (W)	100	180	220	230
Max thrust (N)	600	800	1200	1200
Duty cycle (cycles/hours)	20	25	25	35
N. max cycles in 24h.	60	75	75	350
Operating temperature (°C)	(-20°) - (50°)			
Speed (cm/s)	17	24	19	13
Weight with packing (Kg)	5			6
Sound pressure (dBA)	< 70			
Protection rating	IP20			

EXAMPLE OF A TYPICAL INSTALLATION



DIMENSIONS



**KIT**




**1** operator SPACE N  
- 24V

**KIT**



**2** COD. 636090  
**Art. AB16**  
Iron track with belt, 2 pcs.,  
1600 + 1600 mm

**KIT**




COD. 672645  
**Art. GTI4**  
Serialized white 4-channel remote  
control, 433 MHz, with 3 coding  
options: HCS Rolling-Code, Dip-Switch  
and new D.A.R.T. coding.

**4** COD. 662080  
**Art. LINEAR/XS**  
Pair of mini synchronizable  
photocell for outdoor installation.  
Maximum range 20m


**3** COD. 661130  
**Art. AURA N**  
LED flashing light, multi-voltage  
24V AC-DC/120V AC/230V AC, with  
integrated antenna 433MHz/868MHz

**KIT** for further details on the kits  
see price list

SPECIFIC ACCESSORIES



COD. 639381  
**Art. AB/BRACKET**  
Track fixing plate set



COD. 639382  
**Art. AB/FM**  
Mechanical stop in opening position  
for track with belt. Compulsory usage  
with "Electronic positioning brake"  
function enabled



COD. 639301  
**Art. AB/EXTENSION**  
1600mm extension for steel  
track art. AB16 complete with  
joint and 9450 mm full belt



COD. 639350  
**Art. 723**  
Arm adaptor for  
sectional doors



COD. 639321  
**Art. 721/AB**  
Unlocking device by cable  
(4m). To be used with art.  
BLINDOS



COD. 639340  
**Art. 722**  
Arm to be used with  
counterweight doors



COD. 639371  
**Art. 761C**  
Unlocking device by  
cable complete with hole  
cover lock




COD. 639372  
**Art. 762C**  
Unlocking device by cable  
with lock




COD. 179006  
**Art. 240E**  
Supplementary antenna for  
SPACE N operators



COD. 665000  
**Art. BLINDOS**  
Aluminium safety enclosure, with  
European cylinder, ready for  
unlocking device by cable.



COD. 639322  
**Art. 721D**  
External unlocking device  
for ADVANCE N/SPACE N



COD. 639590  
**Art. BAT/ADV**  
Battery set for ADVANCE N/  
SPACE N



# KIT PARKING SPACE N/XXL

Automation KIT of sectional doors for underground parking with traffic light regulation

art. 636351

	+		+		+	
<b>SPACE N/XXL*</b>		<b>STEELBOX</b>		<b>NET724 EVO/PROBOX</b>		<b>NET-EXPANSION</b>

\* Track NOT included.

## SPECIFIC ACCESSORIES

	<b>COD. 636090</b> <b>Art. AB16</b> Iron track with belt, 2 pcs., 1600 + 1600 mm
	<b>COD. 667071</b> <b>Art. LOOP 230/2</b> Loop detector, 2 channels

	<b>COD. 681034</b> <b>Art. SMFLED230/2</b> 230V led traffic light: red-green lights
	<b>COD. 639381</b> <b>Art. AB/BRACKET</b> Track fixing plate set

	<b>COD. 681035</b> <b>Art. SMFLED24/2</b> 24V led traffic light: red-green lights
	<b>COD. 639301</b> <b>Art. AB/EXTENSION</b> 1600mm extension for steel track art. AB16 complete with joint and 9450 mm full belt





# TEO 700

Sectional and counterweight  
spring doors

up to 9m<sup>2</sup>



# TEO 700

3300mm chain track that guarantees solidity and resistance over time.

Integrated control panel, easy to program through the external buttons and the display visible on the lid

Integrated courtesy light

Operator with 1000N encoder technology that guarantees high performance



Scan the QR CODE to view all the content we have created on this operator





24V = operators with control board incorporated and encoder



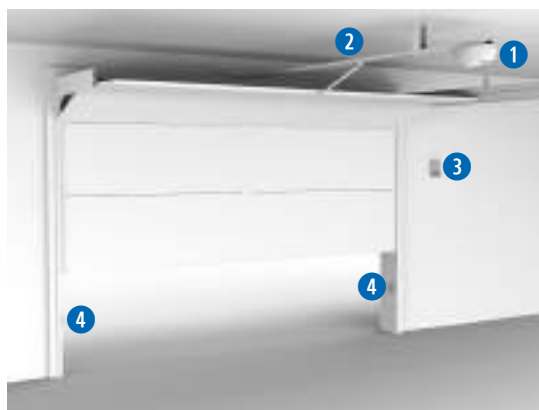
COD.	Art.				OTHER CHARACTERISTICS
636021	KIT TEO 700	1000N		✓	<ul style="list-style-type: none"> <li>• Pre-assembled steel track length= 3.200 mm</li> <li>• Operator with encoder</li> <li>• Anti-crushing safety device</li> <li>• Force adjustment</li> <li>• Automatic adjustment of speed and slowdown</li> </ul>

Set complete with: steel track and chain, L=3.300 mm (1 piece) and 1 art. GTI2 transmitter

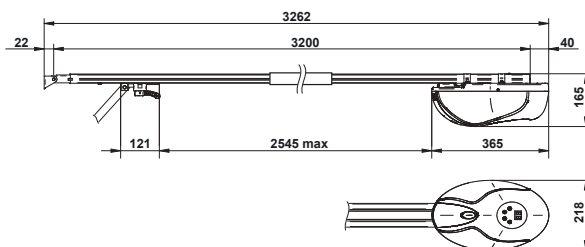
CONTROL BOARD TECHNICAL INFO	
Power supply voltage (V)	230V ~ ±10% (50/60 Hz)
Rated power transformer (VA)	100 VA (230/22V)
Fuse F2 (A) (transformer)	2,5A 250V
Auxiliaries power supply output	+24 V max 200mA
Flashing light output	24 V max 15W
Receiver frequency	433,92 MHz
Transmitters type of coding	HCS Rolling code
Max remote controls	20

OPERATOR TECHNICAL INFO	
Motor power supply voltage (V)	24V =
Maximum power absorption (W)	100
Max thrust (N)	1000
Duty cycle (cycles/hour)	15
N. max cycles in 24h.	35
Operating temperature (°C)	-20÷50
Speed (m/min)	9
Weight with packing (Kg)	4,3
Sound pressure (dBA)	< 70
Protection level	IP30

EXAMPLE OF A TYPICAL INSTALLATION



DIMENSIONS



**KIT**

1 operator TEO 700 - 24V

**KIT**

Steel track  
With chain L=3.200 mm

**KIT**

COD. 672635  
**Art. GTI2**  
Serialized white 2-channel remote control, 433 MHz, with 3 coding: HCS Rolling-Code, Dip-Switch and new D.A.R.T. coding

**3**

COD. 661130  
**Art. AURA N**  
LED flashing light, multi-voltage 24V AC-DC/120V AC/230V AC, with integrated antenna 433MHz/868MHz

**4**

COD. 662080  
**Art. LINEAR/XS**  
Pair of mini synchronizable photocell for outdoor installation. Maximum range 20m

**KIT** for further details on the kits see price list

SPECIFIC ACCESSORIES

COD. 639580  
**Art. TEO EXTENSION**  
Extension for chain track L=1000 mm

COD. 639371  
**Art. 761C**  
External unlocking device complete with a hole cover lock

COD. 629290  
**Art. BAT**  
Rechargeable batteries kit for 24V operators, 12V - 1,2Ah, complete with wiring cables and fixing plate



# INDUSTRIAL SECTIONAL AND FOLDING DOORS



Choose the operator for your industrial sectional door:



## LATO

- Up to 35m<sup>2</sup>
- 230V / 400V
- Collective and industrial use
- Available versions built-in control board and with chain for a manual manoeuvre



## LIVI 550PL

- 230V
- Industrial folding doors
- Available versions with encoder

## SELECTION GUIDE FOR INDUSTRIAL SECTIONAL DOORS

Choose the maximum size in square metres of the sectional door



### Operator with DIRECT CONNECTION

<17m <sup>2</sup>	230V	62Nm	22,4	●●	✓	✓	LATO220NET
					✓	✓	LATO220NET/C
						✓	LATO220/EN
						✓	LATO220/CEN

### Operator with 2:1 RATIO

17m <sup>2</sup> ÷ 20m <sup>2</sup>	230V	124Nm	11,2	●●	✓	✓	LATO220NET
					✓	✓	LATO220NET/C
						✓	LATO220/EN
						✓	LATO220/CEN

### Operator with DIRECT CONNECTION

<23m <sup>2</sup>	400V	104Nm	22,4	●●●		✓	LATO400EN
							LATO400CEN

### Operator with 2:1 RATIO

23m <sup>2</sup> ÷ 35m <sup>2</sup>	400V	208Nm	11,2	●●●		✓	LATO400EN
							LATO400CEN





# LATO

## Automations for industrial sectional doors

up to 35m<sup>2</sup>



The DE@NET universal control board makes this operator **compatible with NETLINK System**.

 175



Compatible with **NETCOM**, the device for the installations maintenance and remotes management, **from your office!**

 176



Compatible with **DEAuser** and **DEAinstaller**, the smartphone Apps to manage installations **locally**.

 177



Compatible with **NETBOX**, the device **for managing remotes** from your office.

 181



# LATO

Quick installation, with the possibility of direct attachment on the spring holder axis or with 2:1 chain reduction to increase the capacity

Available with and without control unit. The version with integrated control unit ensures a compact installation.



Available with and without chain. The chain version ensures manual opening during power outage.

Encoder technology with micro-switch limit switches that ensures maximum precision and safety during opening and closing

Available in single-phase 230V and three-phase 400V



The DE@NET universal control board make this operator compatible with NETLINK System.



The wall control board enclosure (art. 100GP) facilitates programming and has an Open / Close / Stop push button



Compatible with NETCOM, the device for installation maintenance and remote control management!





## 230V ~ operators with control board, limit switches and encoder



COD.	Art.					OTHER CHARACTERISTICS
637050	LATO220NET		NET230N	For shaft Ø 25,4mm	✓	<ul style="list-style-type: none"> <li>• Limit switches</li> <li>• Anti-crushing safety device</li> <li>• Magnetic encoder with 6m long cable</li> <li>• Integrated receiver and courtesy light</li> <li>• Unlocking device by cable</li> </ul>
637051	LATO220NET/C*		NET230N	For shaft Ø 25,4mm	✓	<ul style="list-style-type: none"> <li>• Limit switches</li> <li>• Anti-crushing safety device</li> <li>• Magnetic encoder with 6m long cable</li> <li>• Integrated receiver and courtesy light</li> <li>• Unlocking device by cable</li> <li>• Emergency manual manouvre by chain (L=3,5m)</li> </ul>

All models: 1 side fixing plate art. LE included  
 For models LATO220NET: Control board NET230N included

## Without control board

COD.	Art.				OTHER CHARACTERISTICS
637001	LATO220EN		✓	For shaft Ø 25,4mm	<ul style="list-style-type: none"> <li>• Limit switches</li> <li>• Magnetic encoder with 6m long cable</li> <li>• Unlocking device by cable</li> </ul>
637011	LATO220CEN*		✓	For shaft Ø 25,4mm	<ul style="list-style-type: none"> <li>• Limit switches</li> <li>• Magnetic encoder with 6m long cable</li> <li>• Unlocking device by cable</li> <li>• Emergency manual manouvre by chain (L=3,5m)</li> </ul>

Control board to complete the installation: control board cod. 677610 art. NET230N/C (with box)  
 All models: 1 side fixing plate art. LE included

## 400V ~ operators without control board, with limit switches and encoder



COD.	Art.				OTHER CHARACTERISTICS
637031	LATO400EN		✓	For shaft Ø 25,4mm	<ul style="list-style-type: none"> <li>• <b>ATTENTION: NOT COMPATIBLE WITH NETLINK</b></li> <li>• Unlocking device by cable</li> <li>• Magnetic encoder with 6m long cable</li> <li>• Limit switches</li> </ul>
637041	LATO400CEN*		✓	For shaft Ø 25,4mm	<ul style="list-style-type: none"> <li>• <b>ATTENTION: NOT COMPATIBLE WITH NETLINK</b></li> <li>• Emergency manual manouvre by chain (L=3,5m)</li> <li>• Magnetic encoder with 6m long cable</li> <li>• Limit switches</li> <li>• Unlocking device by cable</li> </ul>

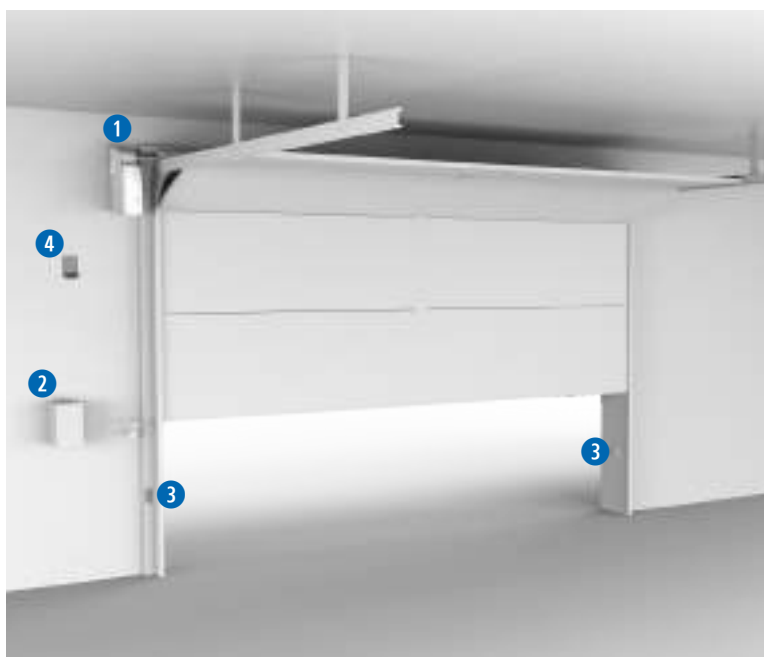
Control board to complete the installation: control board cod. 677140 art. 400RR/C (with box)  
 All models: 1 side fixing plate art. LE included

Scan the QR CODE to view the landing page dedicated to this operator

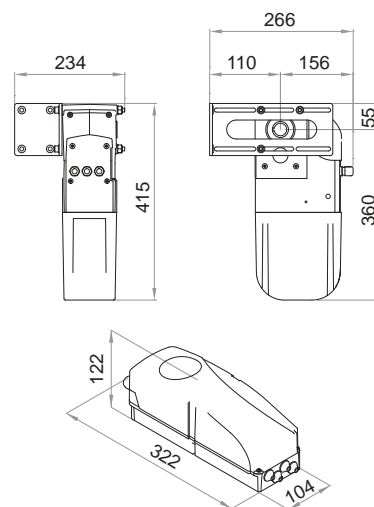



TECHNICAL INFO	220NET - 220/EN - 220/CEN - 220NET/C	400EN - 400CEN
Motor power supply (V)	230V ~ ± 10 % (50/60 Hz)	400V AC ± 10 % (50/60 Hz)
Maximum power absorption (W)	500	900
Max torque (Nm)	62	104
Duty cycle (cycles/hours)	14	35
N. max cycles in 24h.	180	240
Built-in capacitor (µF)	18	/
Operating temperature (°C)	-20 ÷ 40	
Motor thermal protection (°C)	150	140
Output shaft speed (rpm)	22,4	
Weight with packing (Kg)	12	13
Sound pressure (dBA)	< 70	
Protection level	IP40 (IP10 models 220/CEN - 220NET/C)	IP40 (IP10 model 400/CEN)


### EXAMPLE OF A TYPICAL INSTALLATION



### DIMENSIONS




**1**  **COD. 637011**  
**Art. LATO220/CEN**  
Operator for industrial sectional doors with chain for manual manoeuvre

**2**  **COD. 677610**  
**Art. NET230N/C**  
Universal digital control board for 1 or 2 operators, 230V with or without magnetic encoder (with box)

**2**  **COD. 679180**  
**Art. 100GP**  
Buttons wired cover

**3**  **COD. 662044**  
**Art. LINEAR**  
Pair of adjustable photocells (180°) with possibility of synchronized operating. Range 20m

**4**  **COD. 661130**  
**Art. AURA N**  
LED flashing light, multi-voltage 24V AC-DC/120V AC/230V AC, with integrated antenna 433MHz/868MHz

 **COD. 668010**  
**Art. 127**  
Warning sign

## SPECIFIC ACCESSORIES



**COD. 639430**  
**Art. LAC19**  
Pinion Z=19 + shaft extension



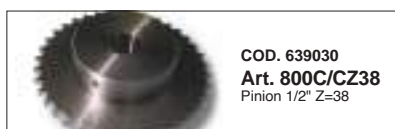
**COD. 639410**  
**Art. L19**  
Pinion Z=19 + groove wedge



**COD. 639010**  
**Art. 800C/TEN**  
Chain tightener



**COD. 639500**  
**Art. CG**  
25m chain for manual manoeuvre



**COD. 639030**  
**Art. 800C/CZ38**  
Pinion 1/2" Z=38



**COD. 639450**  
**Art. LBA25**  
Adapter for shafts  
Ø=25,4mm



**COD. 639020**  
**Art. 800C/F**  
Chain anchoring brackets



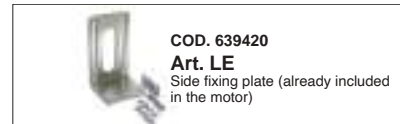
**COD. 639530**  
**Art. LATO/SF**  
Kit for unlocking device  
(to be used with art.  
LATOM or BLINDOS)



**COD. 639000**  
**Art. 800C/ACC**  
2 m chain and joint



**COD. 639440**  
**Art. LBA40**  
Adapter for shafts  
Ø=40mm



**COD. 639420**  
**Art. LE**  
Side fixing plate (already included  
in the motor)



**COD. 665000**  
**Art. BLINDOS**  
Aluminium safety enclosure, with  
European cylinder, ready for  
unlocking device by cable.



# LIVI 550PL

## Automations for industrial folding doors



The DE@NET universal control board makes this operator **compatible with NETLINK System**.

 175



Compatible with **NETCOM**, the device for the installations maintenance and remotes management, **from your office!**

 176



Compatible with **DEAuser** and **DEAinstaller**, the smartphone Apps to manage installations **locally**.

 177



Compatible with **NETBOX**, the device **for managing remotes** from your office.

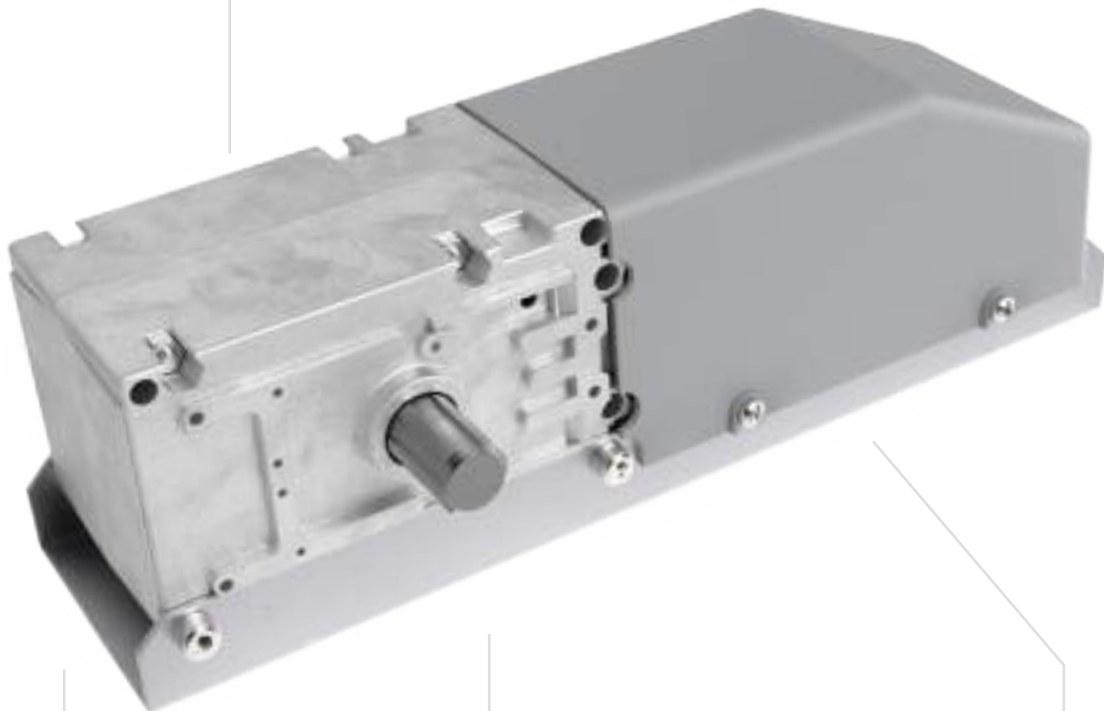
 181



# LIVI 550PL

Supplied with 4m wire cable to unlock the motor from any position you wish

The metal mechanics with machined steel gears guarantee reliability and durability over time



The version with encoder guarantees high performance and safety in movement



The DE@NET universal control board makes this operator compatible with NETLINK System.

(Only versions with NET230N)



Compatible with NETCOM, the device for installation maintenance and remote control management!



## 230V ~ operators without control board



COD.	Art.			OTHER CHARACTERISTICS
623410*	550PL	●●		• Unlocking device by cable (4m)
623411	550PLEN	●●	✓	• With encoder, unlocking device by cable 4m.

For models: Control board and telescopic arm not included. Unlocking device with cable (4m) included

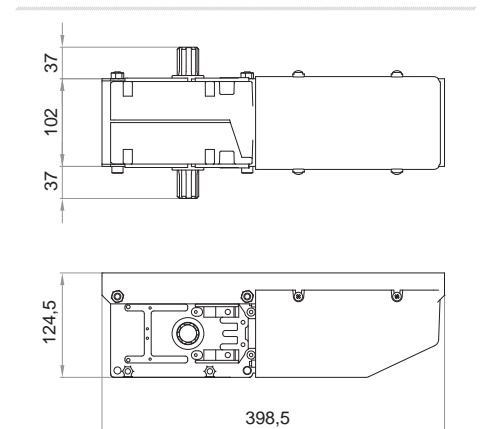
Control board to complete the installation: control board cod. 677610 art. NET230N/C (with box)

\* To comply with standards EN 13241-1, it is compulsory to use the external safety devices in compliance with standards EN 12978.

### EXAMPLE OF A TYPICAL INSTALLATION



### DIMENSIONS



**1**

**COD. 623411**  
**Art. 550PLEN**  
Automations for industrial folding doors

**2**

**COD. 677610**  
**Art. NET230N/C**  
Universal digital control board for 1 or 2 operators, 230V with or without magnetic encoder (with box)

**2**

**COD. 679180**  
**Art. 100GP**  
Buttons wired cover

**3**

**COD. 629190**  
**Art. 560BT**  
Reinforced galvanized steel telescopic arm with splined bushing

**4**

**COD. 662080**  
**Art. LINEAR/XS**  
Pair of mini synchronizable photocell for outdoor installation. Maximum range 20m

**5**

**COD. 661130**  
**Art. AURA N**  
LED flashing light, multi-voltage 24V AC-DC/120V AC/230V AC, with integrated antenna 433MHz/868MHz

Scan the QR CODE to view the landing page dedicated to this operator

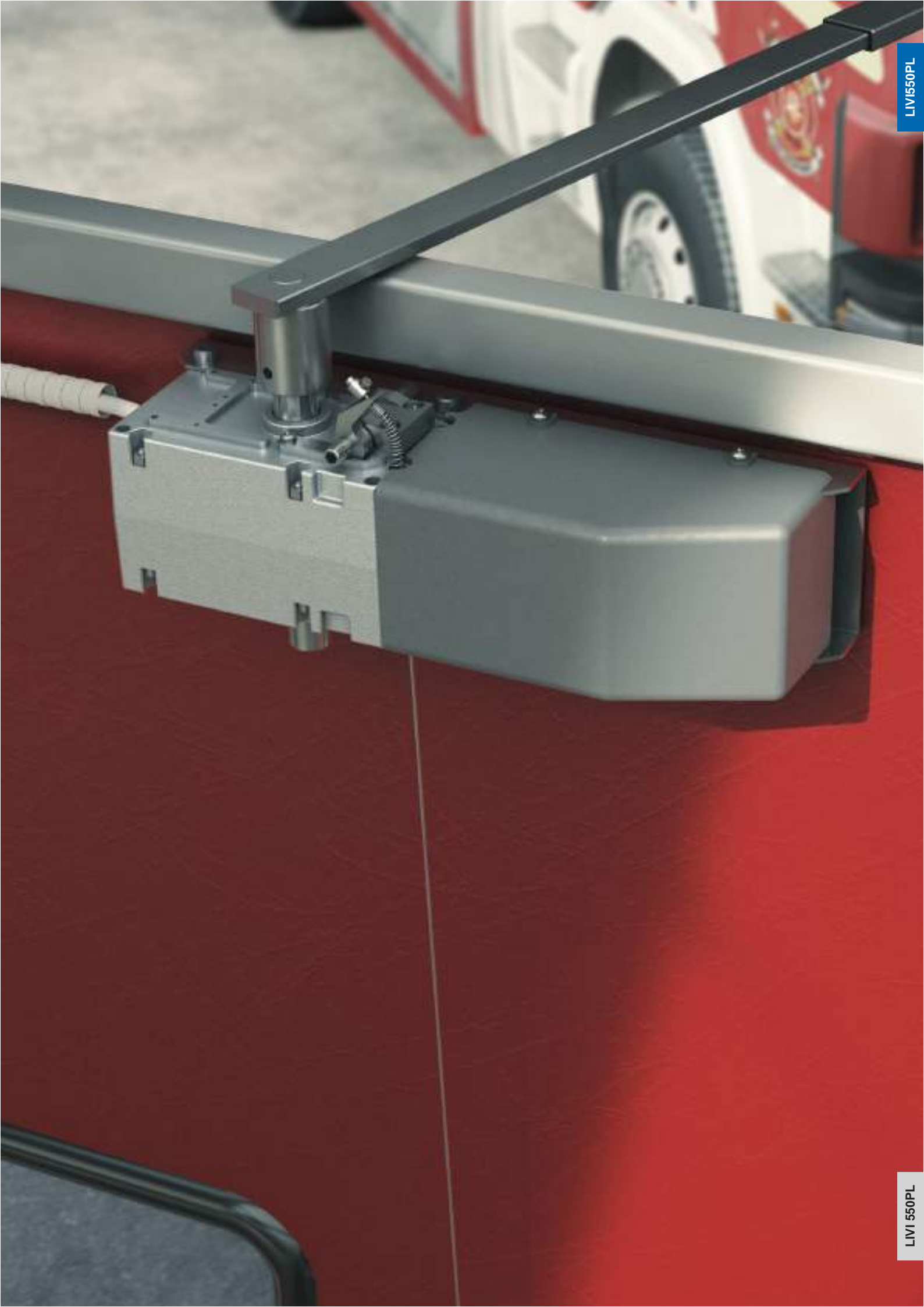


TECHNICAL INFO	550PL - 550PLEN
Motor power supply (V)	230V - ± 10 % (50/60 Hz)
Maximum power absorption (W)	300
Max torque (Nm)	295
Duty cycle (cycles/hours)	22 - 28 (vers. 550PLEN)
N. max cycles in 24h.	260
Built-in capacitor (µF)	8
Operating temperature (°C)	-20 ÷ 50
Motor thermal protection (°C)	150
90° Opening time (s)	18
Weight with packing (Kg)	6
Sound pressure (dBA)	< 70
Protection level	IP44

### SPECIFIC ACCESSORIES







LVI550PL

LVI 550PL

WHY NOT

?

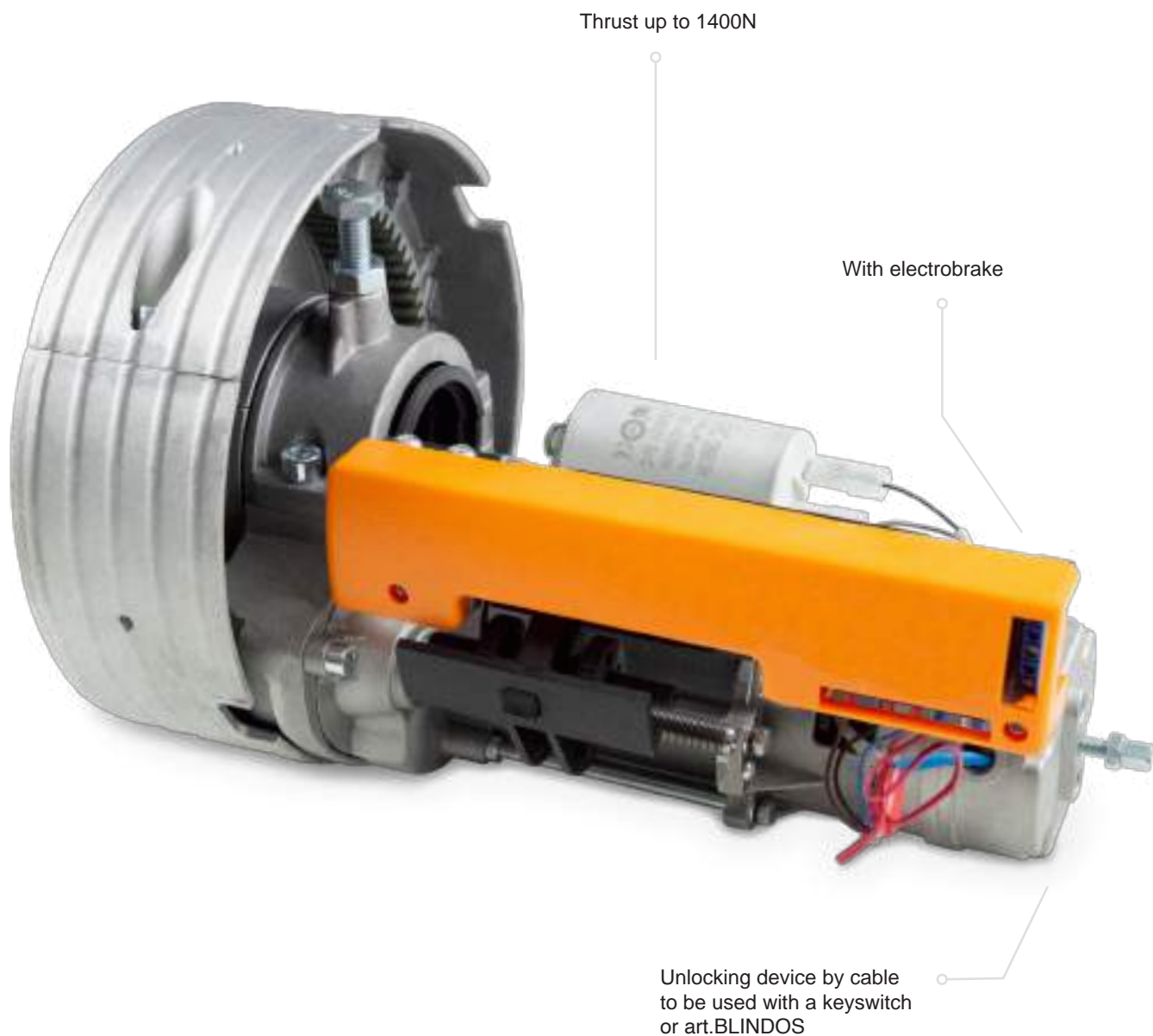


# WILL 140 E

Universal operator for  
balanced roller shutters



# WILL 140 E



Scan the QR CODE to view all the content we have created on this operator





## 230V ~ operators without control board

COD.	Art.				OTHER CHARACTERISTICS
634030*	WILL 140 E	1400N (140kg)		60 mm	<ul style="list-style-type: none"> <li>• With electrobrake and micrometer limit switches.</li> <li>• Complete with internal adapters for shaft <math>\varnothing=48\text{mm}</math> and external adapter for spring boxes <math>\varnothing=220\text{mm}</math></li> </ul>

**All models:** Control board not included. Electrobrake included

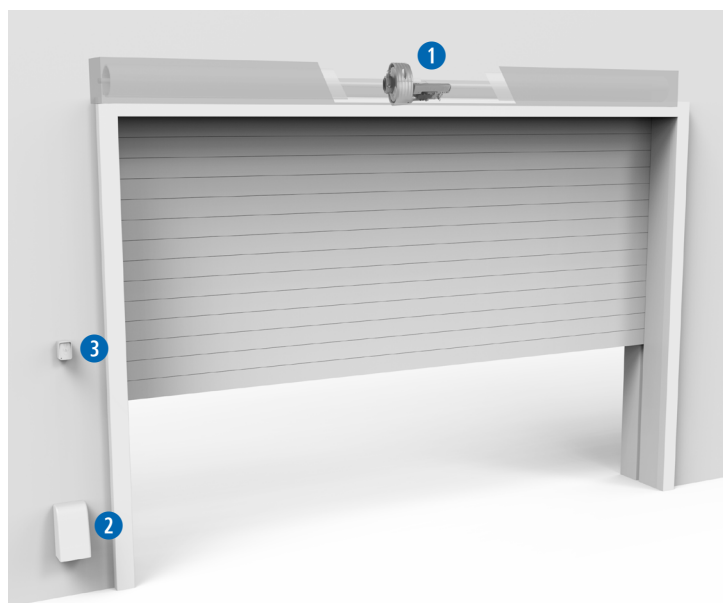
**Control board to complete the installation:** control board cod. 677540 art. 211ER/C (with box)

\*In order to comply with the limit of impact forces laid down in EN 13241-1, it is necessary to use external safety devices in accordance with EN 12978.

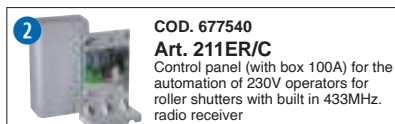
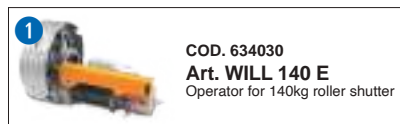
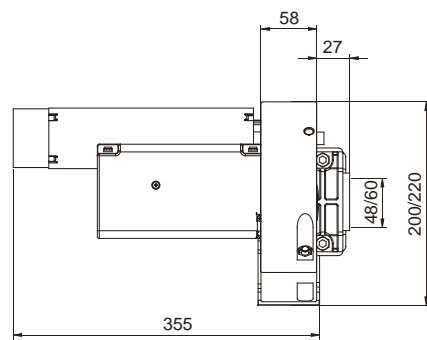
TECHNICAL INFO	WILL 140 E
Motor power supply (V)	230V - 240V $\sim \pm 10\%$ (50/60 Hz)
Max torque (Nm)	140
Absorption (A)	1,95
Power (W)	450
Speed (rpm)	10
Operating temperature (°C)	-20 ÷ 55

TECHNICAL INFO	WILL 140 E
Motor thermal protection (°C)	160°
Built-in capacitor ( $\mu\text{F}$ )	14
Max. operating time (min.)	4'
Max. shutter height (m)	6
Protection rating	IP20
Weight (Kg)	8,5

## EXAMPLE OF A TYPICAL INSTALLATION



## DIMENSIONS





# ELECTROMECHANICAL BARRIER AND BOLLARD FOR VEHICLE PASSAGE



Choose the barrier or the bollard suitable for your entrance:



## PASS N

- Up to 5m of boom length
- 24V
- Residential and collective use
- Fast version available
- Up to 290 manoeuvres per hour  
800 manoeuvres per day



## STOP N

- Up to 8m of boom length
- 230V / 24V
- Semi-intensive and intensive use
- Fast version available
- Up to 500 manoeuvres per hour  
1500 manoeuvres per day



## TRAFIK/N

- Up to 6m of boom length
- 230V
- For continuous use
- Controlled by inverter
- Up to 15000 manoeuvres per day



## ROCK

- height 700 mm
- Diameter 274 mm
- Cataphoresis treatment
- 230V
- Intensive use

## SELECTION GUIDE FOR ELECTROMECHANICAL BARRIER

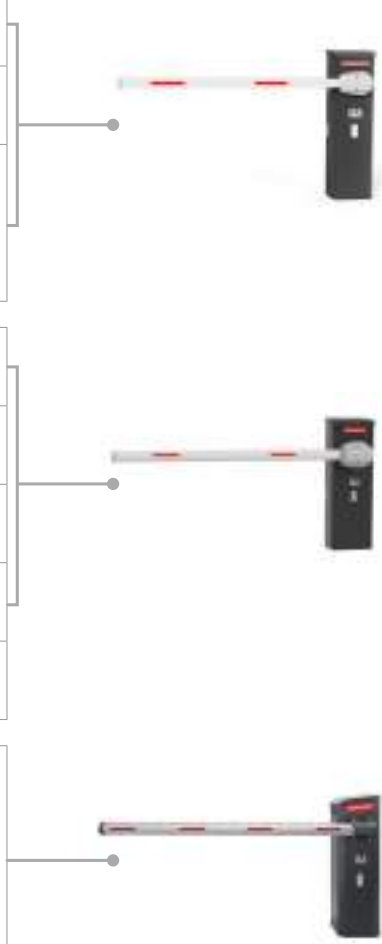
Choose the maximum boom length



3m	24V	2,2"	●●	✓	PASS24NET/N/V
4m	24V	2,8"	●●	✓	PASS24NET/N/VR
	24V	6"	●●	✓	PASS24NET/N/L
5m					

4m	24V	2,7"	●●●	✓	STOP24NET/N/V-F
4m ÷ 6m	230V	6,5"	●●	✓	STOPNET/N/L-F
	24V	5,3"	●●●	✓	STOP24NET/N/L-F
6m ÷ 8m	230V	8"	●●	✓	STOPNET/N/L-F
	24V	7,5"	●●●	✓	STOP24NET/N/L-F

2m ÷ 4m	230V TRIPHASE	1,5 ÷ 4"			TRAFIK/N <b>NEW</b>
4m ÷ 6m		4 ÷ 7"	●●●●	✓	





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PARK

KA-12987



# PASS/N

## Electromechanical barrier up to 5m of boom length



The DE@NET universal control board makes this operator **compatible with NETLINK System**.

 175



Compatible with **NETCOM**, the device for the installations maintenance and remotes management, **from your office!**

 176



Compatible with **DEAuser** and **DEAinstaller**, the smartphone Apps to manage installations **locally**.

 177



Compatible with **NETBOX**, the device **for managing remotes** from your office.

 181



# PASS/N

The encoder guarantees greater control and safety in movement

Easy manual opening thanks to the key release from the outside

More visibility of the boom by installing the STRIP-LED (optional)

Possibility to indicate the closing position (red LED) and the opening position (green LED). \*

RAL 7016 grey steel, powder paint, textured finish.

The DE@NET universal control board make this operator compatible with NETLINK System.

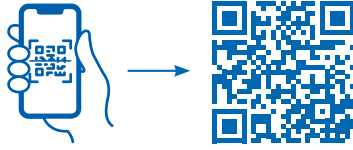


Compatible with NETCOM, the device for the installation, maintenance and remote management, from your office!

\*For this functionality it is necessary to purchase separately art. NET-EXPANSION or art. NET-EXPANSION MINI



Scan the QR CODE to view all the content we have created on this operator



## 24V ~ barriers with control board for semi-intensive use



COD.	Art.					OTHER CHARACTERISTICS
644040	PASS24NET/N/V	3 m fast		NET24N	✓	<ul style="list-style-type: none"> <li>• Speed adjustment during normal cycle and slow down in opening and closing</li> <li>• Motor control by encoder and obstacle detection</li> <li>• Possibility to lock the programming to prevent tampering</li> </ul>
644042	PASS24NET/N/VR	4 m fast		NET24N	✓	
644041	PASS24NET/N/L	4 and 5 m slow		NET24N	✓	
644050	PASS24NET/N/V//INOX	3 m fast		NET24N	✓	
644052	PASS24NET/N/VR//INOX	4 m fast		NET24N	✓	
644051	PASS24NET/N/L//INOX	4 and 5 m slow		NET24N	✓	

**PASS24NET/N/V, PASS24NET/N/VR, PASS24NET/N/L models:** painted in RAL 7016.

**INOX models:** AISI 304 stainless steel, RAL 7016 grey colour with cataphoresis treatment.

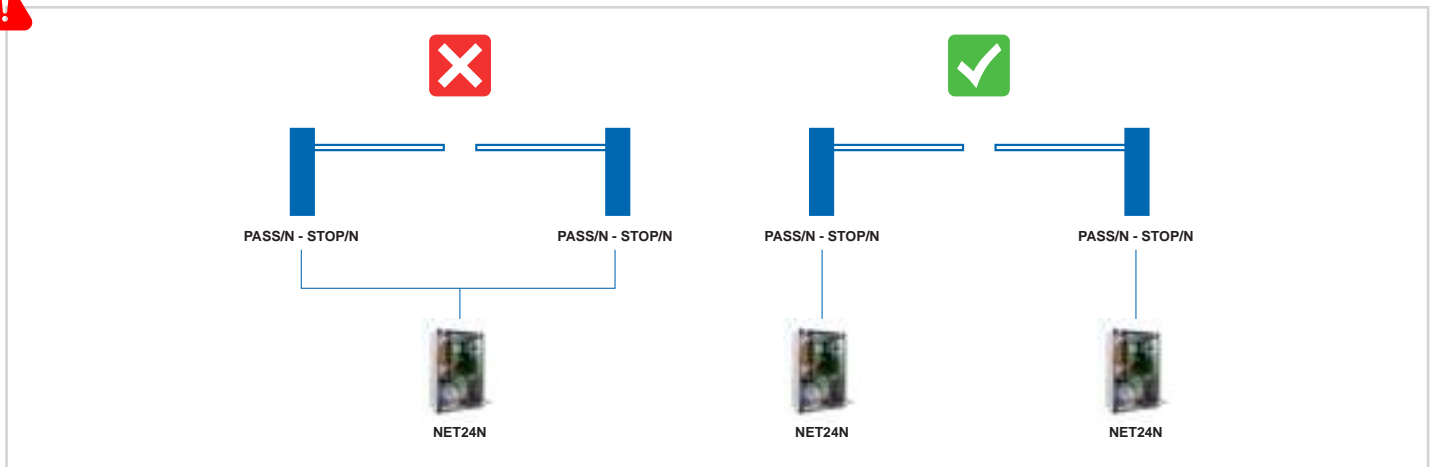
**All models:**

- led lights, boom, boom holder and foundation plate are not included.

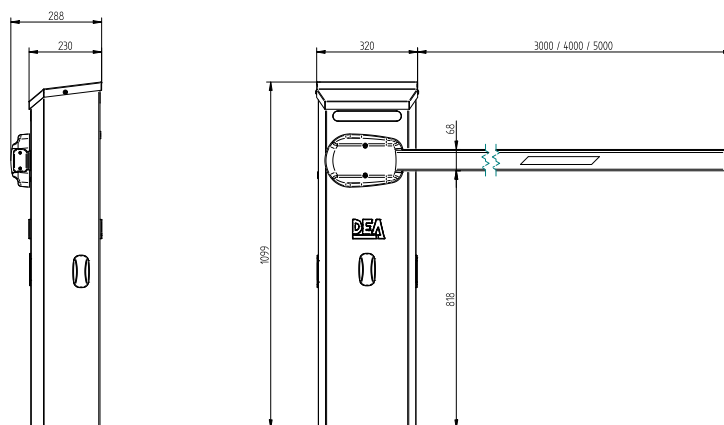
- the barrier must be balanced correctly in order to allow a proper way of operation

**ATTENTION:** you must use 1 control board NET24N with every barrier.

TECHNICAL INFO	PASS24NET/N/V	PASS24NET/N/L	PASS24NET/N/VR
Motor power supply (V)	24V ~		
Maximum power absorption (W)	105		
Duty cycle (cycles/hours)	290	140	240
N. max cycles in 24h.	800		
Operating temperature (°C)	-20 ÷ 50		
90° Opening time (s)	2,2	6	2,8
Weight with packing (Kg)	41		
Sound pressure (dBA)	< 70		
Protection level	IPX4		



## DIMENSIONS



## EXAMPLE OF A TYPICAL INSTALLATION



**1**

**COD. 644040**  
**Art. PASS24NET/N/V**  
 Electromechanical barrier

**2**

**COD. 649140**  
**Art. PASS3**  
 DEA rectangular painted boom  
 3000x65x38mm, with reflective  
 stickers art.1012

**3**

**COD. 649290**  
**Art. LED/B**  
 LED strip for top of the barrier case  
 Consumption min. 184 mA max. 552  
 mA. **For power supply, see the  
 table on p.195**

**4**

**COD. 662044**  
**Art. LINEAR**  
 A pair of (180°) adjustable  
 photocells with the range of  
 20m. (Enabling synchronized  
 operating).

**5**

**COD. 664000**  
**Art. PILLY/60**  
 Pair of 55cm column for  
 photocells (2 pcs)

**COD. 649160**  
**Art. BSF**  
 Bracket for LINEAR photocells

**COD. 381744**  
**Art. OMPASS**  
 Boom holder for DEA booms  
 art. PASS3 and art. PASS4

**COD. 649073**  
**Art. PASS/B**  
 Foundation plate

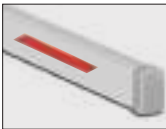
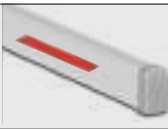

**COD. 672645**  
**Art. GTI4**  
 Serialized white 4-channel remote  
 control, 433 MHz, with 3 coding  
 options: HCS Rolling-Code, Dip-Switch  
 and new D.A.R.T. coding.



**6**

**COD. 321810**  
**Art. GSOFTP**  
 Black rubber profile, EPDM S65  
 (24m)






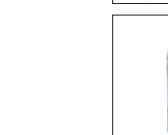










**COD. 668010**  
**Art. 127**  
 Warning sign

## SPECIFIC ACCESSORIES

 <p><b>COD. 649140</b> <b>Art. PASS3</b> DEA rectangular painted boom 3220x65x38mm, with reflective stickers art.1012</p>	 <p><b>COD. 649141</b> <b>Art. PASS4</b> DEA rectangular painted boom 4220x65x38mm, with reflective stickers art.1012</p>	 <p><b>COD. 381744</b> <b>Art. OMPASS</b> Boom holder for DEA booms art.PASS3 and art.PASS4</p>
---	--	--

 <p><b>COD. 649240</b> <b>Art. PASS5</b> DEA painted lightweight boom 5220x80x40mm, without reflective stickers. To be used only with art. PASS24NET/N/L (not compatible with other accessories)</p>	 <p><b>COD. 649250</b> <b>Art. OMPASS5</b> Boom holder and fixing counter-plate for DEA boom art. PASS5</p>	 <p><b>COD. 381741</b> <b>Art. OMPASS60</b> Boom holder for commercial boom 60x30mm</p>
--	--	--

**Not compatible with other accessories or with the front plastic cover of the boom holder**

 <p><b>COD. 649012</b> <b>Art. ART-PASS</b> Joint for folding boom (art. PASS3 and art. PASS4)</p>	 <p><b>COD. 649000</b> <b>Art. 1006</b> Mobile boom support</p>	 <p><b>COD. 649020</b> <b>Art. 1010</b> Height adjustable fixed boom support</p>
 <p><b>COD. 649021</b> <b>Art. 1010/M</b> Height adjustable fixed boom support with magnet</p>	 <p><b>COD. 667061</b> <b>Art. LOOP 230/1</b> Loop detector, 1 channel</p>	 <p><b>COD. 667071</b> <b>Art. LOOP 230/2</b> Loop detector, 2 channels</p>
 <p><b>COD. 649290</b> <b>Art. LED/B</b> LED strip for top of the barrier case Consumption min. 184 mA max. 552 mA. For power supply, see the table on p.195</p>	 <p><b>COD. 649174</b> <b>Art. STRIP-LED</b> RG led strip for booms (L=8m) without power adapter For more information, see the table on p.195</p>	 <p><b>COD. 163523</b> <b>Art. POWER SUPPLY 840mA</b> Power supply 24V - 20W. For more information, see the table on p.195</p>
 <p><b>COD. 681034</b> <b>Art. SMFLED230/2</b> 230V led traffic light: red-green lights</p>	 <p><b>COD. 681035</b> <b>Art. SMFLED24/2</b> 24V led traffic light: red-green lights</p>	 <p><b>COD. 321810</b> <b>Art. GSOFTP</b> Black rubber profile, EPDM S65 (24m)</p>
 <p><b>COD. 649160</b> <b>Art. BSF</b> Bracket for LINEAR photocells</p>	 <p><b>COD. 649200</b> <b>Art. BAT/PASS</b> Battery set for PASS barriers consisting of 2 x 4Ah batteries, fixing plates and connecting cables</p>	 <p><b>COD. 649073</b> <b>Art. PASS/B</b> Foundation plate</p>
 <p><b>COD. 101026</b> <b>Art. 1012</b> Reflective red stickers (1 pcs)</p>		



# STOP/N

## Electromechanical barrier up to 8m of boom length



The DE@NET universal control board makes this operator **compatible with NETLINK System**.

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Compatible with **NETCOM**, the device for the installations maintenance and remotes management, **from your office!**

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Compatible with **DEAuser** and **DEAinstaller**, the smartphone Apps to manage installations **locally**.

 177



Compatible with **NETBOX**, the device **for managing remotes** from your office.

 181



# STOP/N

Steel, cataphoresis, RAL 7016 grey, powder paint, textured finish

Control panel under the top cover for easier programming

The encoder technology guarantees high performance and safety in movement

4m or 6m boom with the option of combining two booms through art. BOOM-LINK to obtain a maximum length of 8m

Identify between the closing position (red LED) and the opening position (green LED). \*

The metal mechanics with machined steel gears guarantee reliability and durability over time

If you have accessories installed on the rod you can find the right balances by adding or removing springs from the inner plate (KITMOLLA)

The DE@NET universal control board makes this operator compatible with the NETLINK System.



Compatible with NETCOM, the device for installation, maintenance and remote management, from your office!

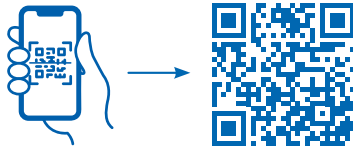
The standard electromechanical limit switches give precision in adjusting the opening and closing position

\* For this functionality, either art. NET-EXPANSION or art. NET-EXPANSION MINI is required.





Scan the QR CODE to view all the content we have created on this operator



## 230V ~ barriers with control board for semi-intensive use



COD.	Art.			DEA	NEW CONTROL BOARD	OTHER CHARACTERISTICS
645052	STOPNET/N/L-F	6 - 8 m slow	●●	NET230N	✓	<ul style="list-style-type: none"> <li>Electromechanical limit switches integrated</li> <li>Supplied with <b>2 springs + 1 additional one</b></li> <li>Motor control by encoder and obstacle detection</li> </ul>
645062	STOPNET/N/L-F/INOX	6 - 8 m slow	●●	NET230N	✓	

**STOPNET/N/L-F model:** RAL 7016 grey colour by **cataphoresis treatment**.

**INOX models:** AISI 304 stainless steel, RAL 7016 grey colour with **cataphoresis treatment**.

**All models:**

- Led lights, boom, boom holder and foundation plate are not included.
- The barrier must be balanced correctly in order to allow a proper way of operation.
- In case of additional accessories, verify the quantity of additional KIT MOLLA needed referring to the chart "ADDITIONAL KIT MOLLA" (see p.195)

## 24V ~ barriers with control board for intensive use



COD.	Art.			DEA	NEW CONTROL BOARD	OTHER CHARACTERISTICS
645050	STOP24NET/N/V-F	4 m fast	●●●	NET24N	✓	<ul style="list-style-type: none"> <li>Electromechanical limit switches integrated</li> <li>Supplied with <b>2 springs</b></li> <li>Motor control by encoder and obstacle detection</li> </ul>
645060	STOP24NET/N/V-F/INOX	4 m fast	●●●	NET24N	✓	
645051	STOP24NET/N/L-F	6 - 8 m slow	●●●	NET24N	✓	<ul style="list-style-type: none"> <li>Electromechanical limit switches integrated</li> <li>Supplied with <b>2 springs + 1 additional one</b></li> <li>Motor control by encoder and obstacle detection</li> </ul>
645061	STOP24NET/N/L-F/INOX	6 - 8 m slow	●●●	NET24N	✓	

**STOP24NET/N/V-F, STOP24NET/N/L-F models:** RAL 7016 grey colour by **cataphoresis treatment**.

**INOX models:** AISI 304 stainless steel, RAL 7016 grey colour with **cataphoresis treatment**.

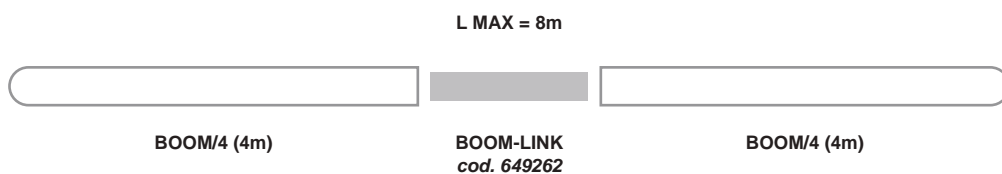
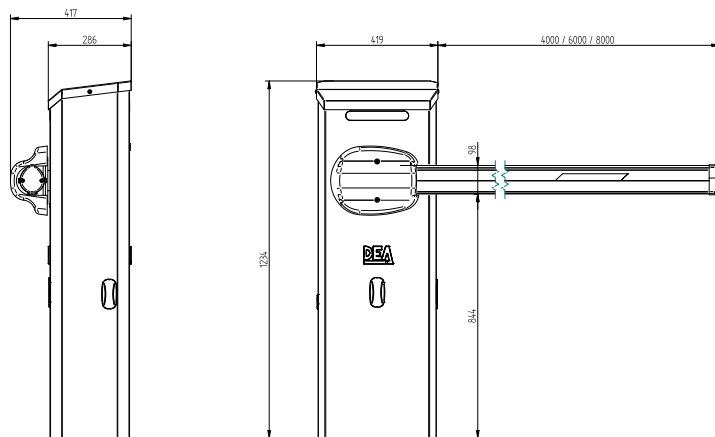
**All models:**

- Led lights, boom, boom holder and foundation plate are not included.
- The barrier must be balanced correctly in order to allow a proper way of operation.
- In case of additional accessories, verify the quantity of additional KIT MOLLA needed referring to the chart "ADDITIONAL KIT MOLLA" (see p.195)

**ATTENTION:** you must use 1 NET24N control board with every barrier.

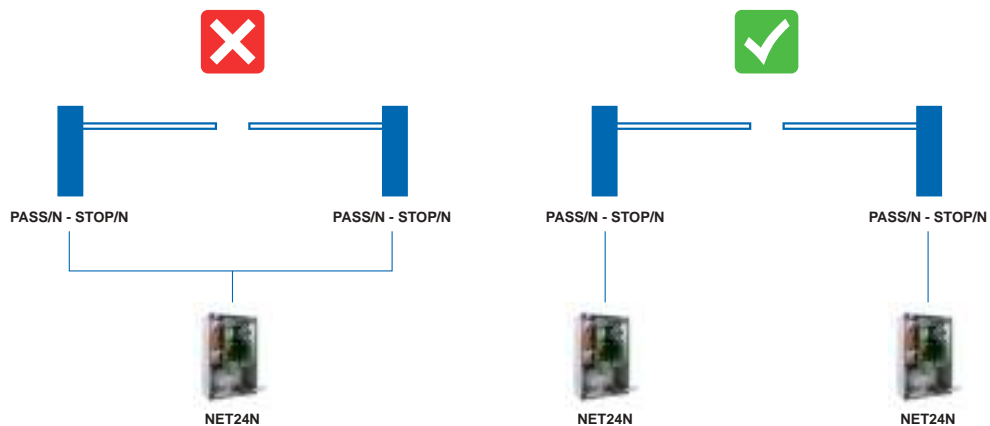
TECHNICAL INFO	STOPNET/N/L-F		STOP24NET/N/V-F	STOP24NET/N/L-F	
Boom length	4 - 6m	6 - 8m	4m	4 - 6m	6 - 8m
Motor power supply (V)	230V ~ ± 10 % (50/60 Hz)			24V ~	
Maximum power absorption (W)	500			120	
Duty cycle (cycles/hours)	150	125	500	250	170
N. max cycles in 24h.	800	500	1500	1000	800
Built-in capacitor (µF)	18			/	
Operating temperature (°C)	(-20°) - (50°)				
Motor thermal protection (°C)	150			/	
90° Opening time (s)	6,5	8	2,7	5,3	7,5
Weight with packing (Kg)	81			79	
Sound pressure (dBA)	< 70				
Protection rating	IPX4				

DIMENSIONS

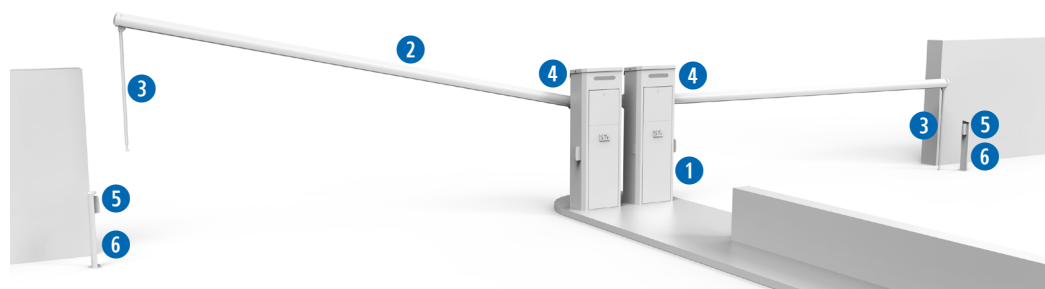


**SUPPLEMENTARY KIT MOLLA FOR BARRIERS WITH BOOMS from 4 up to 8m length**

The number of KIT MOLLA (cod. 649220) is different depending on the type of accessories to be mounted on the boom.  
The table [at page 195](#) illustrates the number of kits required for different situations.



### Example of a typical installation



**1**

**COD. 645051**  
**Art. STOP24NET/N/L-F**  
Electromechanical barrier

**2**

**COD. 649264**  
**Art. BOOM/6**  
DEA round painted boom  
6125xØ80mm, with reflective  
red stickers art. 1012

**3**

**COD. 649000**  
**Art. 1006**  
Mobile boom support

**4**

**COD. 649290**  
**Art. LED/B**  
LED strip for top of the barrier case  
Consumption min. 184 mA max.  
552 mA. **For power supply, see  
the table on p.195**

**5**

**COD. 662044**  
**Art. LINEAR**  
A pair of (180°) adjustable  
photocells with the range of  
20m. (Enabling synchronized  
operating).

**6**

**COD. 664000**  
**Art. PILLY/60**  
Pair of 55cm column for  
photocells (2 pcs)

**COD. 649270**  
**Art. OMEGA**  
Boom holder for DEA  
booms art. BOOM/4 and  
art. BOOM/6

**COD. 649072**  
**Art. STOP/B**  
Foundation plate

**COD. 649160**  
**Art. BSF**  
Bracket for LINEAR photocells

**COD. 321810**  
**Art. GSOFTP**  
Black rubber profile, EPDM S65  
(24m)

**COD. 672645**  
**Art. GTI4**  
Serialized white 4-channel remote  
control, 433 MHz, with 3 coding  
options: HCS Rolling-Code, Dip-Switch  
and new D.A.R.T. coding.

**COD. 668010**  
**Art. 127**  
Warning sign

### Specific accessories

**COD. 649263**  
**Art. BOOM/4**  
DEA round painted boom  
4125xØ80 mm, with stickers  
art. 1012

**COD. 649264**  
**Art. BOOM/6**  
DEA round painted boom  
6125xØ80 mm, with stickers  
art. 1012

**COD. 649270**  
**Art. OMEGA**  
Boom holder for DEA  
booms art. BOOM/4 and  
art. BOOM/6

**COD. 649262**  
**Art. BOOM-LINK**  
Joint for boom (art. BOOM/4  
and art. BOOM/6)

**COD. 649011**  
**Art. ART-STOP/N**  
Joint for folding bar, to be used  
with art. BOOM/4

**COD. 387100**  
**Art. 1005/N**  
Aluminium skirt 2m long

**COD. 649340**  
**Art. 1005/BRACKET**  
Guide support for skirt 1005/N  
for TRAFIK/N and STOP/N

**COD. 649220**  
**Art. KIT MOLLA**  
Supplementary spring set for  
STOP N barriers.  
**For more information, see the  
table on p.195**

**COD. 649000**  
**Art. 1006**  
Mobile boom support

**COD. 649020**  
**Art. 1010**  
Height adjustable fixed boom  
support

**COD. 649021**  
**Art. 1010/M**  
Height adjustable fixed  
boom support with magnet

**COD. 101026**  
**Art. 1012**  
Reflective red stickers  
(1 pcs)

**COD. 649290**  
**Art. LED/B**  
LED strip for top of the barrier case  
Consumption min. 184 mA max.  
552 mA. **For power supply, see  
the table on p.195**

**COD. 163523**  
**Art. POWER SUPPLY  
840mA**  
Power supply 24V - 20W.  
**For more information, see  
the table on p.195**

**COD. 649174**  
**Art. STRIP-LED**  
RG led strip for booms  
(L=8m) without power  
adapter  
**For more information, see  
the table on p.195**

**COD. 649160**  
**Art. BSF**  
Bracket for LINEAR photocells

**COD. 649072**  
**Art. STOP/B**  
Foundation plate

**COD. 649201**  
**Art. BAT/STOP N**  
Batteries set for STOP N barriers  
complete with 2 x 4Ah batteries,  
fixing plates and connecting cables

**COD. 667071**  
**Art. LOOP 230/2**  
Loop detector, 2 channels

**COD. 667061**  
**Art. LOOP 230/1**  
Loop detector, 1 channel

**COD. 681034**  
**Art. SMFLED230/2**  
230V led traffic light: red-green  
lights

**COD. 681035**  
**Art. SMFLED24/2**  
24V led traffic light: red-green lights

**COD. 321810**  
**Art. GSOFTP**  
Black rubber profile, EPDM S65  
(24m)



PARK KING

DEA

DEA

# TRAFIK/N

The new electromechanical road barrier, rated for continuous usage and perfect for heavy traffic!

Up to 6m of boom length



The DE@NET universal control board makes this operator **compatible with NETLINK System**.

 175



Compatible with **NETCOM**, the device for the installations maintenance and remotes management, **from your office!**

 176



Compatible with **DEAuser** and **DEAinstaller**, the smartphone Apps to manage installations **locally**.

 177



Compatible with **NETBOX**, the device **for managing remotes** from your office.

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# TRAFIK/N

Possibility of installation in rooms with low ceiling thanks to the accessory art. ART-TRAFIK

Flexible and quick during installation thanks to the double output of the shaft which allows you to install the rod in both sides

Easy adjustment of the closing and opening position thanks to the electromechanical limit switches

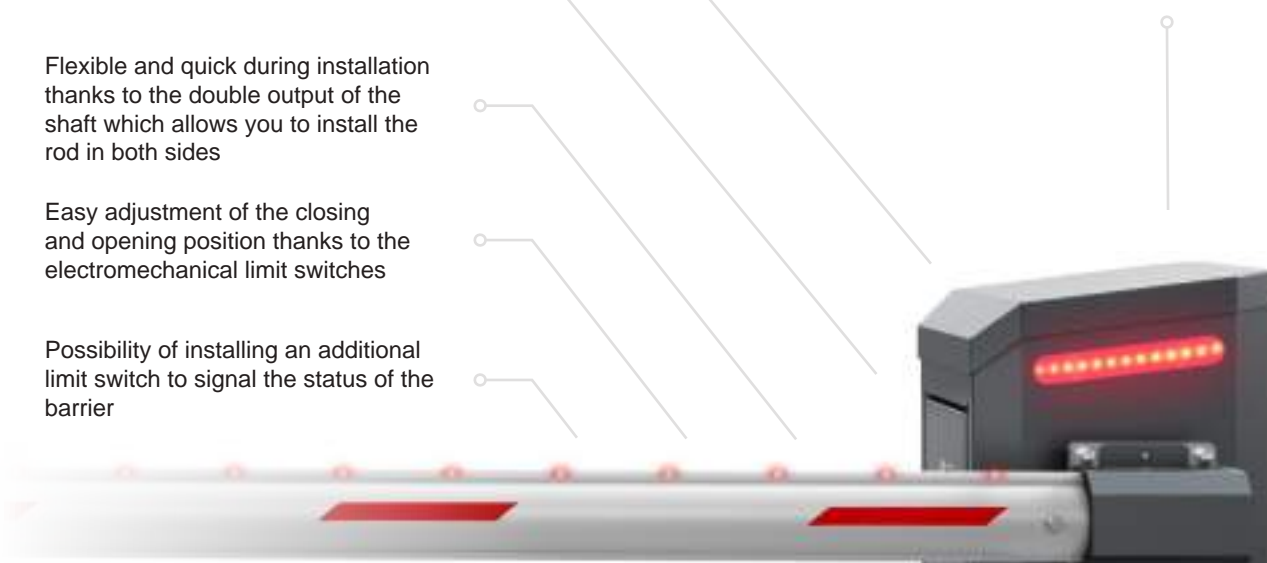
Possibility of installing an additional limit switch to signal the status of the barrier

Full access to internal mechanical and electrical components thanks to the presence of two doors and a removable cover

Suitable for locations with heavy traffic, such as car parks, commercial areas, industrial sites

Passage width up to 6m

Opening speed max. 1,5"



## TRAFIK N: available in 2023

Same design, new features

Operator in oil bath to ensure longer life

High resistance to corrosion with the case with cataphoresis treatment and polyester powder coating



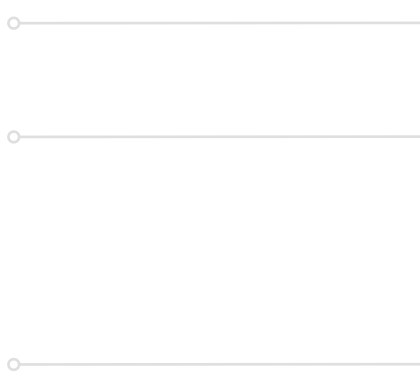
The DE@NET universal control board makes this operator compatible with NETLINK System.



## NETCOM

Compatible with NETCOM, the device for installation maintenance and remote control management!

RGB LED, multifunction (flashing or fixed) - optional\*



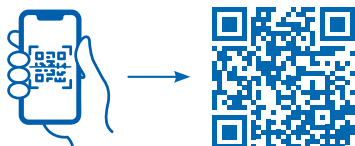
The combination of inverter technology and encoder guarantees greater control, smoothness and safety in movement



\* For this functionality it is necessary to purchase separately art. NET-EXPANSION or art. NET-EXPANSION MINI



Scan the QR CODE to view all the content we have created on this operator



## 230V ~ barriers with control board for continuous use



COD.	Art.								OTHER CHARACTERISTICS
646010	TRAFIK/N	6 m		NET230-EVO-I	✓	✓	✓	<ul style="list-style-type: none"> <li>Input power supply 230V</li> <li>Three-phase asynchronous 230V motor</li> <li>Control board NET230 EVO-I</li> <li>Inverter-controlled</li> <li>Obstacle detection performed by the encoder</li> <li>Electro-mechanical limit switches included</li> </ul>	
646011	TRAFIK/N INOX	6 m		NET230-EVO-I	✓	✓	✓		

Main case complete with two doors and top cover with cataphoresis treatment, painted in anthracite RAL 7016.

\*Main case complete with two doors and top cover in AISI 304 stainless steel with cataphoresis treatment, painted in anthracite RAL 7016.

Attention: boom, boom holder cover, flashing light circuit and foundation plate not included. Spring not included.

## BALANCING SPRING



COD.	Art.	OTHER CHARACTERISTICS
649310	MOLLA S	Balancing spring with coil wire of Ø 10 mm
649311	MOLLA XL	Balancing spring with coil wire of Ø 11 mm

Correct functioning is ensured by the correct spring balancing and the adjustment of the slow down. See the table at page 194.

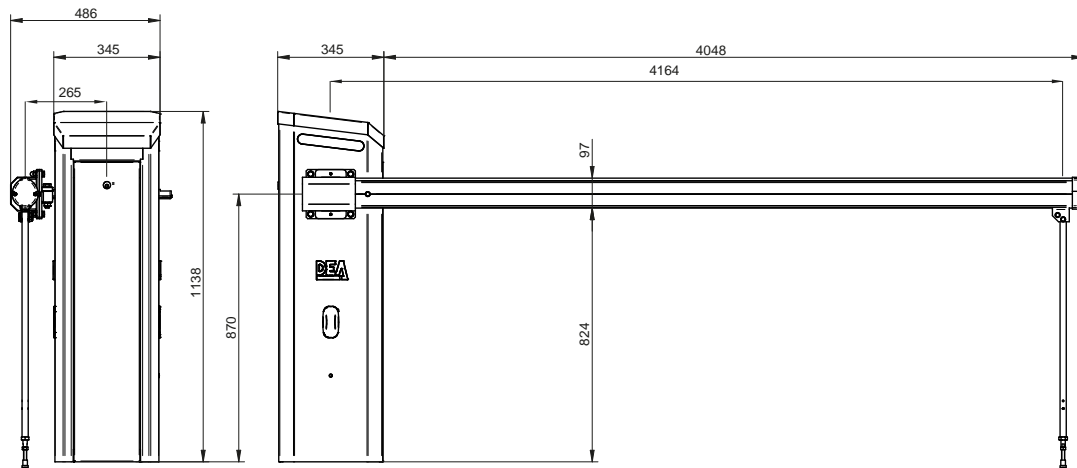
## COLOR KIT: two doors and top cover (barrier not included).



COD.	Art.	OTHER CHARACTERISTICS
649350	KIT TRAFIK ORANGE	Two doors and top cover painted in orange RAL 2000 Attention: the barrier must be purchased separately.
649351	KIT TRAFIK LIGHT GREY	Two doors and top cover painted in light grey RAL 9006 Attention: the barrier must be purchased separately.

TECHNICAL INFO	TRAFIK/N	
Boom length	2 ÷ 4m	4 - 6m
Motor power supply (V)	230V ~ Three-phase	
Maximum power absorption (W)	230	
N. max cycles in 24h.	15.000	4.000
MCBF (Mean Cycles Between Failures)	3.500.000 Op	
Operating temperature (°C)	(-20°) - (50°)	
90° Opening time (s)	1,5 ÷ 4	4 ÷ 7
Weight with packing (Kg)	70	
Sound pressure (dBA)	< 70	
Protection level	IP54	

DIMENSIONS



L MAX = 6m



BOOM/4 (4m)

BOOM-LINK  
cod. 649262

BOOM/4 (4m)



TRAFIK/N

TRAFIK/N



NET230-EVO-I



TRAFIK/N

TRAFIK/N



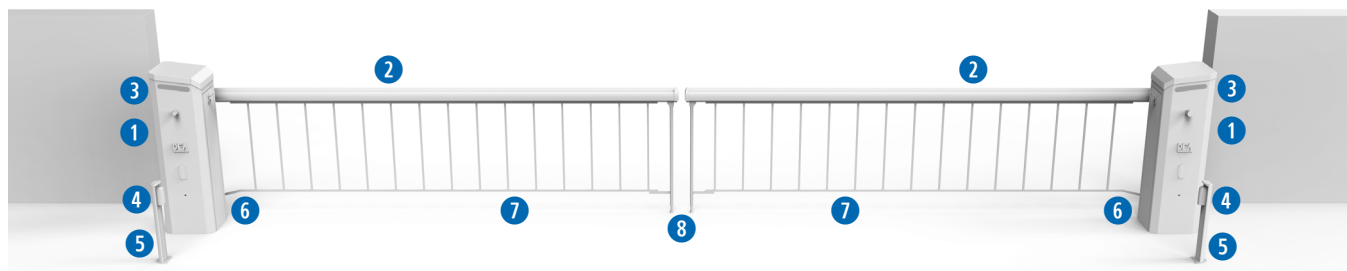
NET230-EVO-I



NET230-EVO-I



## EXAMPLE OF A TYPICAL INSTALLATION



**1**

**COD. 646000**  
**Art. TRAFIK**  
Electromechanical barrier

**2**

**COD. 649264**  
**Art. BOOM/6**  
DEA round painted boom  
6125xØ80mm, with  
reflective red stickers art.  
1012

**COD. 649270**  
**Art. OMEGA**  
Boom holder for DEA  
booms art. BOOM/4 and art.  
BOOM/6

**3**

**COD. 649290**  
**Art. LED/B**  
LED strip for top of the barrier  
case  
Consumption min. 184 mA max.  
552 mA. **For power supply, see  
the table on p.195**

**4**

**COD. 662044**  
**Art. LINEAR**  
A pair of (180°) adjustable  
photocells with the range of  
20m. (Enabling synchronized  
operating).

**5**

**COD. 664000**  
**Art. PILLY/60**  
Pair of 55cm column for photocells  
(2 pcs)

**6**

**COD. 649340**  
**Art. 1005/BRACKET**  
Guide support for skirt 1005/N  
for TRAFIK/N and STOP/N

**NEW**

**7**

**COD. 387100**  
**Art. 1005/N**  
Aluminium skirt 2m long

**8**

**COD. 649000**  
**Art. 1006**  
Mobile boom support

**COD. 649311**  
**Art. MOLLA XL**  
Balancing spring with coil wire  
of Ø 11 mm.  
See table on p.194

**COD. 672645**  
**Art. GT14**  
Serialized white 4-channel remote  
control, 433 MHz, with 3 coding  
options: HCS Rolling-Code, Dip-Switch  
and new D.A.R.T. coding.

**COD. 649300**  
**Art. TRAFIK/B**  
Foundation plate to be fixed

## SPECIFIC ACCESSORIES

**COD. 649263**  
**Art. BOOM/4**  
DEA round painted boom  
4125xØ80 mm, with stickers  
art. 1012

**COD. 649264**  
**Art. BOOM/6**  
DEA round painted boom  
6125xØ80 mm, with stickers  
art. 1012

**COD. 649270**  
**Art. OMEGA**  
Boom holder for DEA  
booms art. BOOM/4 and art.  
BOOM/6

**COD. 649262**  
**Art. BOOM-LINK**  
Joint for boom (art. BOOM/4  
and art. BOOM/6)

**COD. 101026**  
**Art. 1012**  
Reflective red stickers  
(1 pcs)

**COD. 649320**  
**Art. FC-AUX**  
Additional limit switch for  
TRAFIK/N

**COD. 649340**  
**Art. 1005/BRACKET**  
Guide support for skirt 1005/N  
for TRAFIK/N and STOP/N

**NEW**

**COD. 649300**  
**Art. TRAFIK/B**  
Foundation plate to be fixed

**COD. 649020**  
**Art. 1010**  
Height adjustable fixed  
boom support

**COD. 649021**  
**Art. 1010/M**  
Height adjustable fixed  
boom support with  
magnet

**COD. 649000**  
**Art. 1006**  
Mobile boom support

**COD. 649290**  
**Art. LED/B**  
LED strip for top of the barrier  
case  
Consumption min. 184 mA max.  
552 mA. **For power supply,  
see the table on p.195**

**COD. 649174**  
**Art. STRIP-LED**  
RG led strip for booms  
(L=8m) without power  
adapter  
**For more information, see  
the table on p.195**

**COD. 387100**  
**Art. 1005/N**  
Aluminium skirt 2m long

**COD. 321810**  
**Art. GSOFTP**  
Black rubber profile, EPDM  
S65 (24m)


**COD. 649160**  
**Art. BSF**  
Bracket for LINEAR photocells

**COD. 667061**  
**Art. LOOP 230/1**  
Loop detector, 1 channel

**COD. 667071**  
**Art. LOOP 230/2**  
Loop detector, 2 channels

**COD. 681034**  
**Art. SMFLED230/2**  
230V led traffic light: red-green lights

**COD. 681035**  
**Art. SMFLED24/2**  
24V led traffic light: red-green lights

**COD. 649360**  
**Art. ART-TRAFIK KIT**  
90° articulation kit for TRAFIK  
with 4 metres pre-drilled boom,  
to be assembled. The use of  
art. MOLLA S cod. 649310 is  
mandatory  194

**COD. 649370**  
**Art. OMEGA/S**  
Release rod holder system for  
TRAFIK/N

**COD. 649310**  
**Art. MOLLA S**  
Balancing spring with coil wire  
of Ø 10 mm.  
See table on p.194

**COD. 649311**  
**Art. MOLLA XL**  
Balancing spring with coil wire  
of Ø 11 mm.  
See table on p.194



# ROCK

## Hydraulic retractable bollard height 700 mm



The DE@NET universal control board makes this operator **compatible with NETLINK System**.

 175



Compatible with **NETCOM**, the device for the installations maintenance and remotes management, **from your office!**

 176



Compatible with **DEAuser** and **DEAinstaller**, the smartphone Apps to manage installations **locally**.

 177



Compatible with **NETBOX**, the device **for managing remotes** from your office.

 181



# ROCK

Hydraulic pump integrated in the top section, to assist with maintenance activities



High visibility thanks to the reflective band and the diffuser with red LED

Removable structure with double anti-corrosion treatment: cataphoresis and thermal painting black polyester



The DE@NET universal control board makes this operator compatible with NETLINK System.



Compatible with NETCOM, the device for installation maintenance and remote control management!



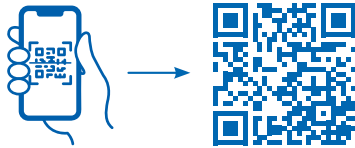
Linear guide system with chrome-plated steel cylinders

Suitable for intensive usage thanks to the hydraulic circuit power.

The version with cable simplifies the wiring phase and ensures watertight integrity



Scan the QR CODE to view all the content we have created on this operator



## 230V ~ bollard without control board



COD.	Art.					OTHER CHARACTERISTICS
651001	ROCK/ CABLE		275mm	700mm	6mm	<ul style="list-style-type: none"> <li>Removable structure, cataphoresis treatment</li> <li>Emergency manual release</li> <li>LED diffusers with integrated buzzers</li> <li>2 magnetic limit switches</li> <li>Walking surfaces in aluminium, cataphoresis, micaceous grey</li> <li>Retro-reflecting film with high-luminous efficacy</li> <li>15m cable (only for art. ROCK/CABLE)</li> <li>Framework with cataphoresis treatment to be cemented (art. ROCK/B) not included</li> <li>Colour: NERO SIDERALE PERL</li> <li><b>Electrovalve for quick descent in case of power failure (only item ROCK/CABLE/EL)</b></li> </ul>
651002	ROCK/ CABLE/EL		275 mm	700 mm	6 mm	

All models: framework art.ROCK/B not included

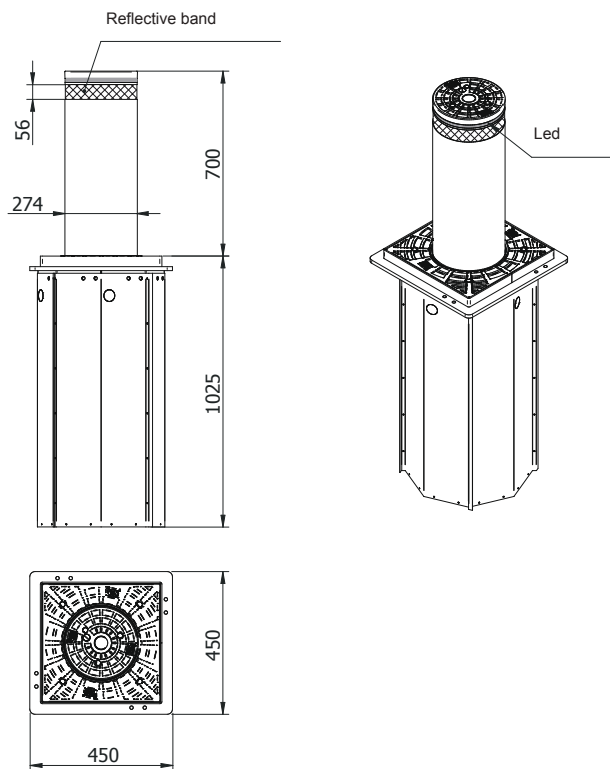
## Fixed bollard

COD.	Art.					OTHER CHARACTERISTICS
651020	ROCK/F		274 mm	700 mm	4 mm	<ul style="list-style-type: none"> <li>Fixed bollard with cataphoresis treatment</li> <li>Retro-reflecting film with high-luminous efficacy</li> </ul>

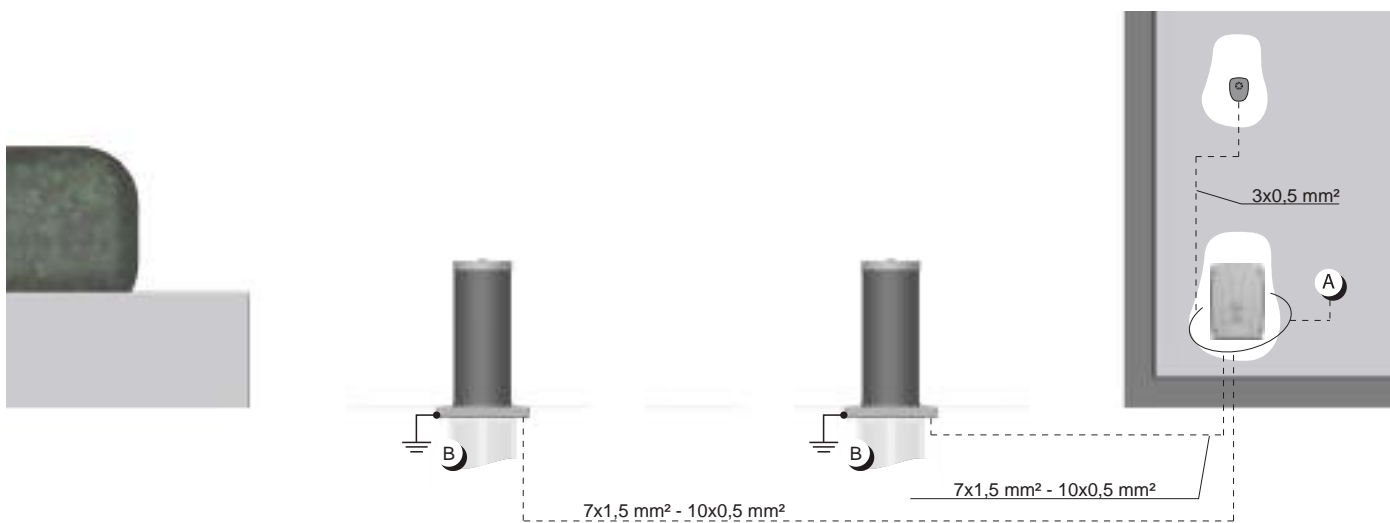
All models: Foundation base art.ROCK/FB not included

TECHNICAL INFO	ROCK/CABLE	ROCK/CABLE/EL
Movement	Hydraulic	
Height	700mm	
Diameter	Ø274mm (±2mm)	
Material	Steel Fe 360	
Treatment	Cataphoresis and polyester powder paint, black	
Ascent time	6 sec	
Descent time	5 sec	
Quick descent time (with solenoid valve and power failure)	1,5 sec	
Usage	Intensive	
Reflective band	50mm	
Emergency manual manoeuvre	Mechanical unlocking on hydraulic circuit	
Impact resistance	29KJ with clamps ; 40KJ with armor reinforcement	
Crash resistance	29KJ with clamps ; 138KJ with armor reinforcement	
Cable for connection	15 m FG16 7x1,5 + 10x0,5	
Operating temperature	-15°C + 50°C -25°C + 50°C with heater	
Obstacle detection	Adjustable pressure switch	
Product weight	130 kg	
Hydraulic pump	Power supply 230V±10% 50/60 Hz	
Power absorption	400 W	420 W
Protection level	IP67	
Capacitor	12,5 µF	
Motor thermal protection	130°C	

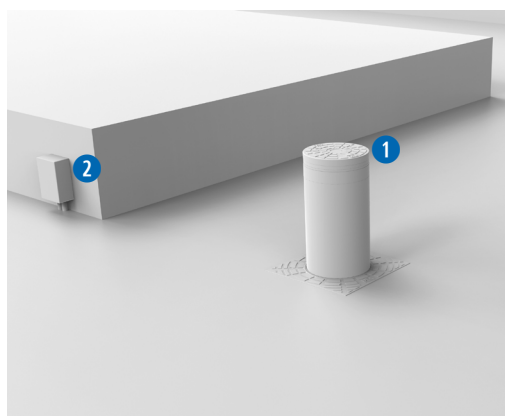
### DIMENSIONS



### ELECTRICAL DIAGRAM



## EXAMPLE OF A TYPICAL INSTALLATION



**1**

**COD. 651001**  
**Art. ROCK/CABLE**  
Hydraulic retractable bollard

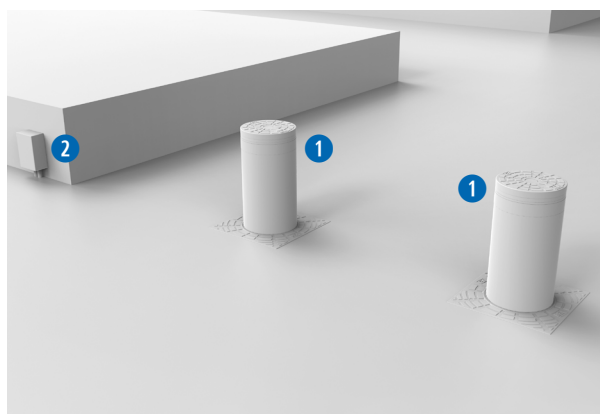
**COD. 659070**  
**Art. ROCK/B**  
Framework for bollard art. ROCK Ø=273 h=700mm

**2**

**COD. 677611**  
**Art. NET230N/PROBOX**  
NET230 control board mounted on plate with cable holders and DIN rail to use on art. STEELBOX

**COD. 679210**  
**Art. STEELBOX**  
Painted steel box with key lock

**COD. 667071**  
**Art. LOOP 230/2**  
Loop detector, 2 channels



**1**

**COD. 651001**  
**Art. ROCK/CABLE**  
Hydraulic retractable bollard

**COD. 659070**  
**Art. ROCK/B**  
Framework for bollard art. ROCK Ø=273 h=700mm

**2**

**COD. 677611**  
**Art. NET230N/PROBOX**  
NET230 control board mounted on plate with cable holders and DIN rail to use on art. STEELBOX

**COD. 679210**  
**Art. STEELBOX**  
Painted steel box with key lock

**COD. 677622**  
**Art. NET-EXPANSION MINI**  
Mini expansion board, 4 resistive input and 1 NC-NO output, compatible only with NET24N and NET230N

**COD. 667071**  
**Art. LOOP 230/2**  
Loop detector, 2 channels

## SPECIFIC ACCESSORIES

**COD. 677610**  
**Art. NET230N/C**  
Universal digital control board for 1 or 2 operators, 230V with or without magnetic encoder (with box)

**COD. 677611**  
**Art. NET230N/PROBOX**  
NET230 control board mounted on plate with cable holders and DIN rail to use on art. STEELBOX

**COD. 677620**  
**Art. NET-EXPANSION**  
Expansion board 6 inputs - 8 outputs for control boards NET Series

**COD. 677622**  
**Art. NET-EXPANSION MINI**  
Mini expansion board, 4 resistive input and 1 NC-NO output, compatible only with NET24N and NET230N

**COD. 659070**  
**Art. ROCK/B**  
Framework for bollard art. ROCK Ø=273 h=700mm

**COD. 659061**  
**Art. ROCK/RE**  
Antifreeze heater

**COD. 659022**  
**Art. ROCK/LOCK**  
Safety lock for bollard art. ROCK

**COD. 659071**  
**Art. ROCK/C**  
Manhole close for bollard art. ROCK

**COD. 659064**  
**Art. ROCK/EL V2**  
Solenoid and valve for quick descent, power supply cable included

**COD. 679210**  
**Art. STEELBOX**  
Painted steel box with key lock

**COD. 659091**  
**Art. ROCK/F LED**  
Lighting kit for ROCK/F with LED circuit+Buzzer, power supply unit and junction box

**COD. 659090**  
**Art. ROCK/FB**  
Foundation base, clamps and base-covering flange for ROCK/F

**COD. 667061**  
**Art. LOOP 230/1**  
Loop detector, 1 channel

**COD. 667071**  
**Art. LOOP 230/2**  
Loop detector, 2 channels

**COD. 681034**  
**Art. SMFLED230/2**  
230V led traffic light: red-green lights

**COD. 681035**  
**Art. SMFLED24/2**  
24V led traffic light: red-green lights

## NETLINK devices and accessories

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# NETLINK

is our technology applied to DEA devices for the smart management of your installations, both locally and remotely.



NET-COM



Watch the video!



NET-COM



SIM BASE



SIM PRO



POWER SUPPLY  
840mA



ANTENNA GSM-LTE



S-EXTENDER



LAN-EXP

COD.	Art.	DESCRIPTION
679117	NET-COM	<p>It's the device for the <b>installations maintenance</b> and <b>remotes management, from your office!</b></p> <ul style="list-style-type: none"> <li>• It can be used as a "TIMER" with the management of <b>calendar time slots</b></li> <li>• it can memorise up to <b>1,500 remotes.</b></li> </ul> <p>Features:</p> <ul style="list-style-type: none"> <li>• <b>GSM</b> module</li> <li>• 2 programmable inputs and outputs</li> <li>• archive memory up to 150,000 logs</li> <li>• battery for keeping the clock up in case of power failure</li> </ul> <p><b>Supplied without a SIM (M2M)</b></p> <p><b>Possibility of using a SIM supplied by other operators</b><u>GSM antenna included.</u></p> <p><b>External power supply unit required art. POWER SUPPLY 840mA cod.163523</b></p>
179010	SIM BASE	<p>SIM (Machine to Machine - M2M) with 5-year BASE plan for use with NETCOM.</p> <p><b>ATTENTION: not compatible with DE@user</b></p> <p>See table on p.196 to discover all the functionalities of this board</p>
179011	SIM PRO	<p>SIM (Machine to Machine - M2M) with 5 year PRO plan for use with NETCOM.</p> <p><b>Compatible with DE@user</b></p> <p>See table on p.196 to discover all the functionalities of this board</p>
163523	POWER SUPPLY 840mA	<p>Power supply 24V - 20W.</p> <p><b>See table on p.195 to discover all the functionalities of this board</b></p>
179009	ANTENNA GSM-LTE	<p>GSM-LTE outdoor antenna to increase the range signal. Cable= 2 m</p>
677650	S-EXTENDER	<p>Control board to extend from 3 m up to 50 m the range of the wiring between NET-COM and other NETLINK devices (such as control boards DE@NET and receivers).</p>
679118	LAN-EXP	<p>Plug-in module to connect the LAN cable to NETCOM</p>



## DEAinstaller

DEAinstaller is the App dedicated to the **professional installer** which allows you to program and manage DEA automations in a simple and intuitive way from your smartphone.

If you use it with NET-NODE you can:

- keep a **data backup** of all your installations
- easily adjust the **parametres** of your control boards
- update the **firmware**
- program the **maintenance**
- manage or customize the **remotes**
- read **technical manuals** or have a look at the **electrical connections**
- control the **inputs** and **output** of the control boards
- **control** the automation with the App

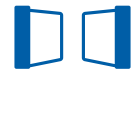
P001 .....  
 P015 .....  
 P022 .....  
 P047 .....



## DEAuser

DEAuser is the app for the **private user** which allows you to control the DEA automation in **close proximity**.

By installing NET-NODE on all devices with NETLINK technology, you can control your gate through your smartphone.



## NET-NODE



NET-NODE 2.0



PREMIUM CARD

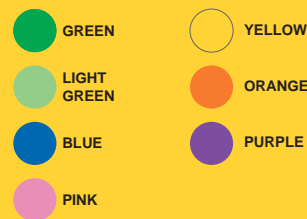
COD.	Art.	DESCRIPTION
677642	NET-NODE 2.0	Updated version of NET-NODE. Device to be connected to DE@NET control units and to external receivers. Thanks to NET-NODE you can use the DEAinstaller and DEAuser apps on your smartphone. It is compatible only with DE@NET control panels equipped with serial port and NETLINK technology.
397227	NET-CABLE	Cable to connect NET-NODE 2.0 and NET-BOX with NET control boards and receivers, L= 2 m
679113	PREMIUM CARD	Card with serial code to upgrade your account to "Premium". It allows you to share the data of the installations with max 10 smartphones.

GTI

# #colourasyoulike!

Choose your favorite colour!

GTI remotes can be customised with button kits in seven colours: green, light green, blue, pink, yellow, orange and purple.



Note: button kits are supplied in packs of 5. The remote must be ordered separately.



# #safeasyoulike!

Non-copyable remotes!

GTI remotes are **multi-function**. They have three coding possibilities: DIP SWITCH, Rolling Code and **D.A.R.T.** the new **DEA advanced coding**.

You can customise the **code of the remotes** to guarantee the **maximum security** to your customer.

- D.** DEA
- A.** Advanced
- R.** Rolling Code
- T.** Transmission



Looking for **total safety**?  
With **NET-BOX** each installer can customise the code of your GTI remotes.

## REMOTE CONTROLS



COD.	Art.	Power supply	Frequency	Range	Type of encoding	Ch.
672635	GT12	CR2032 lithium battery	433,92 MHz	50-200m*	HCS rolling-code** Dip-Switch D.A.R.T.**	2
672645	GT14	CR2032 lithium battery	433,92 MHz	50-200m*	HCS rolling-code** Dip-Switch D.A.R.T.**	4

\*with antenna tuned outdoors  
\*\*customizable



COD.	Art.	Power supply	Frequency	Range	Type of encoding	Ch.
672637	GT12/868	CR2032 lithium battery	868 MHz	50-200m*	HCS rolling-code** Dip-Switch D.A.R.T.**	2
672647	GT14/868	CR2032 lithium battery	868 MHz	50-200m*	HCS rolling-code** Dip-Switch D.A.R.T.**	4

\*with antenna tuned outdoors  
\*\*customizable



COD.	Art.	Power supply	Frequency	Range	Type of encoding	Ch.
672636	GT12N	CR2032 lithium battery	433,92 MHz	50-200m*	HCS rolling-code** Dip-Switch D.A.R.T.**	2
672646	GT14N	CR2032 lithium battery	433,92 MHz	50-200m*	HCS rolling-code** Dip-Switch D.A.R.T.**	4

\*with antenna tuned outdoors  
\*\*customizable

## CLONABLE SERIALISED REMOTES

Remotes with the ability to clone other DEA remotes (cloning: fixed code only)



COD.	Art.	Power supply	Frequency	Range	Type of encoding	Ch.
672603	GT12M	CR2032 lithium battery	433,92 MHz	50-200m*	HCS rolling-code** Dip-Switch D.A.R.T.**	2
672613	GT14M	CR2032 lithium battery	433,92 MHz	50-200m*	HCS rolling-code** Dip-Switch D.A.R.T.**	4









\*with antenna tuned outdoors  
\*\*customizable

## WALL SUPPORT



COD.	Art.	DESCRIPTION
679191	GT-WALL	White wall support for transmitter art. GT (80xh80x15 mm)
679192	GT-WALL/N	Black wall support for transmitter art. GT (80xh80x15 mm)

## BUTTONS KIT FOR GTI REMOTES

COD.	Art.	DESCRIPTION
	<b>KIT GTI4 BUTTONS</b>  <b>PINK</b>	Buttons kit, pink, for 4 channels GTI remotes  Note: kit includes buttons only, <b>the remote must be purchased separately</b>
	<b>679246</b>	
	<b>KIT GTI2 BUTTONS</b>  <b>PINK</b>	Buttons kit, pink, for 2 channels GTI remotes  Note: kit includes buttons only, <b>the remote must be purchased separately</b>
	<b>679236</b>	
	<b>KIT GTI4 BUTTONS</b>  <b>BLUE</b>	Buttons kit, blue, for 4 channels GTI remotes  Note: kit includes buttons only, <b>the remote must be purchased separately</b>
	<b>679245</b>	
	<b>KIT GTI2 BUTTONS</b>  <b>BLUE</b>	Buttons kit, blue, for 2 channels GTI remotes  Note: kit includes buttons only, <b>the remote must be purchased separately</b>
	<b>679235</b>	
	<b>KIT GTI4 BUTTONS</b>  <b>GREEN</b>	Buttons kit, dark green, for 4 channels GTI remotes  Note: kit includes buttons only, <b>the remote must be purchased separately</b>
	<b>679243</b>	
	<b>KIT GTI2 BUTTONS</b>  <b>GREEN</b>	Buttons kit, dark green, for 2 channels GTI remotes  Note: kit includes buttons only, <b>the remote must be purchased separately</b>
	<b>679233</b>	
	<b>KIT GTI4 BUTTONS</b>  <b>LIGHT GREEN</b>	Buttons kit, light green, for 4 channels GTI remotes  Note: kit includes buttons only, <b>the remote must be purchased separately</b>
	<b>679240</b>	
	<b>KIT GTI2 BUTTONS</b>  <b>LIGHT GREEN</b>	Buttons kit, light green, for 2 channels GTI remotes  Note: kit includes buttons only, <b>the remote must be purchased separately</b>
	<b>679230</b>	
	<b>KIT GTI4 BUTTONS</b>  <b>YELLOW</b>	Buttons kit, yellow, for 4 channels GTI remotes  Note: kit includes buttons only, <b>the remote must be purchased separately</b>
	<b>679244</b>	
	<b>KIT GTI2 BUTTONS</b>  <b>YELLOW</b>	Buttons kit, yellow, for 2 channels GTI remotes  Note: kit includes buttons only, <b>the remote must be purchased separately</b>
	<b>679234</b>	
	<b>KIT GTI4 BUTTONS</b>  <b>ORANGE</b>	Buttons kit, orange, for 4 channels GTI remotes  Note: kit includes buttons only, <b>the remote must be purchased separately</b>
	<b>679241</b>	
	<b>KIT GTI2 BUTTONS</b>  <b>ORANGE</b>	Buttons kit, orange, for 2 channels GTI remotes  Note: kit includes buttons only, <b>the remote must be purchased separately</b>
	<b>679231</b>	
	<b>KIT GTI4 BUTTONS</b>  <b>PURPLE</b>	Buttons kit, purple, for 4 channels GTI remotes  Note: kit includes buttons only, <b>the remote must be purchased separately</b>
	<b>679242</b>	
	<b>KIT GTI2 BUTTONS</b>  <b>PURPLE</b>	Buttons kit, purple, for 2 channels GTI remotes  Note: kit includes buttons only, <b>the remote must be purchased separately</b>
	<b>679232</b>	

## The device for remotes management.

NETBOX is the bench programmer to read, write and customise remote controls.

It can also be used to program NETLINK control boards and receivers.

Using NETBOX you can:

- quickly read and copy remotes (serial numbers and counters)
- enter your personal installer code in the remote control and receiver. Only your remotes can be used in your installations (encryption of the key code)
- set-up the parametres of the NETLINK control boards and receivers comfortably on your bench and then install them



## NETLINK DEVICES



COD.	Art.	DESCRIPTION
679112	NET-BOX	NET-BOX is a programmer to customise DEA radio controls and control boards settings with NETLINK technology.
470351	GT-CABLE	Cable to be used with NETBOX for programming compatible remotes

## RECEIVERS



COD.	Art.	DESCRIPTION
675602	281/2	Hardwired 2 channels receiver 433 MHz with capacity to store 1000 transmitters and button assignment independently for each transmitter and relay. Power 24V AC/DC, maximum contact rating 0,5A/30Vdc, supplied with box art.100F (for indoor installation)
675603	281/2/868	Hardwired 2 channels receiver 868 MHz with capacity to store 1000 transmitters and button assignment independently for each transmitter and relay. Power 24V AC/DC, maximum contact rating 0,5A/30Vdc, supplied with box art.100F (for indoor installation)
675604	281/2/12V	Hardwired 2 channels receiver 433 MHz with capacity to store 1000 transmitters and button assignment independently for each transmitter and relay. Power 12V DC, maximum contact rating 0,5A/30Vdc, supplied with box art.100F (for indoor installation)

## RECEIVERS ACCESSORIES



COD.	Art.	DESCRIPTION
679160	100F	Box for radio receiver art. 281/2 (5-piece pack)
COD.	Art.	DESCRIPTION
679010	BOX/A	Box with built-in antenna for hardwired radio receivers art. 281/2 for external use
COD.	Art.	DESCRIPTION
179004	240	Tuned antenna 433MHz
179008	240/868	Tuned antenna 868 MHz
179006	240E	Supplementary antenna for ADVANCE/SPACE operators

## HOME AUTOMATION



COD.	Art.	DESCRIPTION
675590	220-H	2-channel mini recessed receiver (1 unit)
675591	220-5H	2-channel mini recessed receiver (5 units)
672620	TR-PLUS	Multi-channel remote control

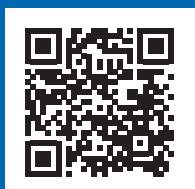
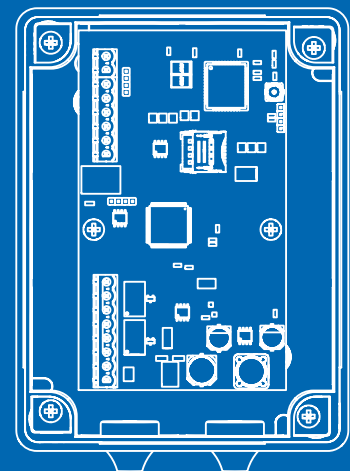


# control boards

All our operators with NETLINK technology are compatible with **NETCOM**, the device to **remotely manage your installations**, diagnose faults and **manage remotes**.

From the comfort of your office by GSM.

Watch the video!



## CONTROL BOARDS RANGE *DE@NET*

To automate gates and installations in compliance with the European Safety Rules EN 12453-EN12445

NEW



NET-CPU-EVO

NEW



NET-M230-I



COD.	Art.	Description
677660	NET-CPU-EVO	Control module (mounted on GULLIVER/N and TRAFIK/N) programmable via display, powered at 24V (accessory art. <b>POWER SUPPLY 2A not included</b> ), manages 1 or 2 power modules with NET-M230-I inverter.  Built-in 433MHz radio receiver with possibility of storing up to 200 radio commands. Possibility of adjusting more than 150 parameters.  12 programmable inputs with 4 COM terminals, 4 non-powered relay outputs with max. capacity 6A / 250V-AC / 30V-DC, 5 programmable 24V outputs and 1 24V output for accessories max. 1A.  Compatible with NETLINK system to connect NET-NODE, for local management, and NET-COM, for remote management.  <b>Only electronic circuit.</b>
677661	NET-M230-I	Power module with inverter for single-phase or three-phase motor in 230V. For use with NET-CPU-EVO.
677662	NET230EVO-I/C	NET-CPU-EVO board with power supply unit art. <b>POWER SUPPLY 2A</b> and power module art. <b>NET-M230-I</b> mounted on box art. <b>100GR</b>
677663	NET230-EVO-I-PRO-BOX	NET-CPU-EVO board with <b>POWER SUPPLY 2A</b> power supply unit and power module art. <b>NET-M230-I</b> mounted on a plate with trunking and DIN rail for use with <b>STEELBOX</b>

NEW



NET724 EVO



COD.	Art.	Description
678301	NET724 EVO	Control board for SPACE/N / ADVANCE/N and for LIVI 4/24N/F operators (without box, circuit only)



NET230N/C



NET230N  
PROBOX

COD.	Art.	Description
677610	NET230N/C	Universal digital control board with box (100G) for 1 or 2 operators, 230V ~, with or without magnetic encoder. Selection in a single step of the type of operator used (sliding, swing, counterweight door, barrier, sectional door, bollard), with automatic configuration all inputs/outputs and best operating options. Factory configured as a swing. Possibility of adjustment of 99 operating parameters such as strength, speed and duration of the slowdown, anti-crush sensor sensitivity, possibility of blocking the programming to prevent tampering of the installation, type of operation of each input etc. Simplified learning procedure. 433 MHz radio receiver for up to 100 remote controls ( fixed or rolling code coding).  (180xh265x90mm)
677600	NET230N	Circuit only
677611	NET230N/ PROBOX	NET230 control board mounted on plate with cable holders and DIN rail to use on art. STEELBOX



NET24N/C



NET24N  
PROBOX

COD.	Art.	DESCRIPTION
678261	NET24N/C	<p>Universal digital control board with box (100GR) for 1 or 2 operators 24V =, with or without magnetic encoder.</p> <p>Selection in a single step of the type of operator used (sliding, swing, counter-weight door, barrier, sectional door, bollard), with automatic configuration all inputs/ outputs and best operating options. Factory configured as a swing.</p> <p>Possibility of adjustment of 99 operating parameters such as strength, speed and duration of the slowdown, anti-crush sensor sensitivity, possibility of blocking the programming to prevent tampering of the installation, type of operation of each input etc.</p> <p>Simplified learning procedure. 433 MHz radio receiver for up to 100 remote controls ( fixed or rolling code coding).</p> <p>(180xh265x130mm)</p>
678263	NET24N/C250	NET24N with 250W transformer for use with REV operators ready for IRON BOX
678251	NET24N	Circuit only
678264	NET24N/PROBOX	NET24 control board with transformer mounted on plate with cable holders and DIN rail to use on art. STEELBOX



NET-EXPANSION



NET-EXPANSION  
MINI

COD.	Art.	DESCRIPTION
677620	NET-EXPANSION	<p>Expansion board 6 inputs - 8 outputs for control boards NET Series.</p> <p>New features can be activated in the NET control board including: analog or resistive inputs, traffic light control, compass control, alarm contact with automatic closing when the power failure, open gate warning light with variable frequency in opening/closing (cable length 300mm + spacers).</p> <p>Compatible only with DE@NET boards with serial port (NET230N and NET24N from the version 30, NET724N from version 1 and NET724N/XL).</p>
677621	NET-EXPANSION/C	NET-EXPANSION expansion board with box and 1000 mm cable
677622	NET-EXPANSION MINI	Mini expansion board, 4 resistive input and 1 NC-NO output, compatible only with NET24N and NET230N

## CONTROL BOARDS RANGE NORMA

To automate gates and installations in compliance with the European Safety Rules EN 12453-EN12445



400RR PROBOX



400RR/C

COD.	Art.	DESCRIPTION
677140	400RR/C	Digital control board three-phase 400V AC (with box 100G) for 1 operator with encoder control. It is complete with anti-crushing safety device, integrated 433 MHz radio receiver, speed adjustment during normal cycle and slow down in opening and closing, force adjustment up to 70 levels and separate in open and close, anti-inertia braking device.
677130	400RR	Circuit only
677141	400RR/ PROBOX	NET400RR control board mounted on plate with cable holders and DIN rail to use on art. STEELBOX.

## CONTROL BOARDS RANGE START



COD.	Art.	DESCRIPTION
677120	212E/C	Control board (with 100G box) for 1 or 2 230V ~ operators, complete with 433 MHz radio receiver, automatic operating time learning, electronic force adjustment, controlled input for external safety device.
677110	212E	Circuit only



COD.	Art.	DESCRIPTION
677540	211ER/C	Control panel (with 100A box) for the automation of 230V ~ operators for roller shutters. Selectable operating logic (step by step, separated open/close, dead man command) programmable working times, with built-in 433MHz radio receiver.



COD.	Art.	DESCRIPTION
677560	SSE12/C	Timed contact to use with electromagnets and/or for other generic uses (courtesy light, traffic lights, etc.) in 100A box and with built-in 433 MHz radio receiver.

## BOXES FOR CONTROL BOARDS



COD.	Art.
679130	100A

ABS fire-proof box to be mounted into sliding operators or to fix on the wall (113 x 190 x 65 mm)



COD.	Art.
679060	100G

ABS box for any control board (180 x 265 x 90 mm)



COD.	Art.
679070	100GR

ABS box, suitable for control boards with batteries with raised deck (180 x 265 x 130 mm)



COD.	Art.
679180	100GP

Buttons wired cover (180 x 265 x 62 mm)



COD.	Art.
679140	100GG

Self-extinguishing ABS large 100G and 100GR protective box to IP55. (250 x 350 x 175 mm)

COD.	Art.	DESCRIPTION
679210	STEELBOX	Painted steel box with key lock for installation of control boards and other devices (300 x h400 x 200 mm). The key is compatible with the locks of all the breakouts of the DEA System operators.



PHASE OUT



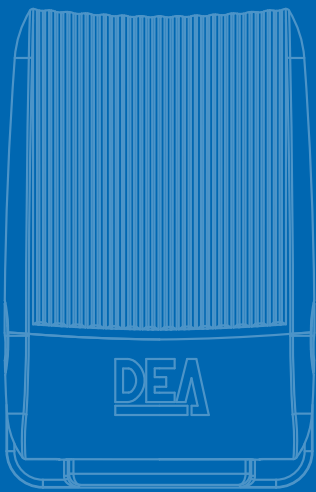
COD.	Art.
430780	CG KIT

CG KIT with nut  
4x(M16)+3x(M12)



PHASE IN  
NEW COLOUR

# other accessories



## POWER SUPPLIES



POWER SUPPLY  
840mA

COD.	Art.	DESCRIPTION
163523	<b>POWER SUPPLY 840mA</b>	Power supply 24V - 20W. For more information, see the table on p.195
163016	<b>POWER SUPPLY 2A</b>	Power supply 230VAC-24V 2.2A Used on NET-M230-I.

NEW

## SOLAR POWER SYSTEM



GREEN  
ENERGY



SOLAR PANEL/XL

COD.	Art.	DESCRIPTION
681053	<b>GREEN ENERGY/N</b>	Solar power system to be used for applications with control board NET24N and NET724N. The set includes: box with 2 pieces 18 Ah buffer battery and battery charge control circuit. Solar panel not included. Art. CHARGER included.
681051	<b>CHARGER</b>	Battery charger for GREEN ENERGY
681054	<b>SOLAR PANEL/XL</b>	Solar panel 30Wp with possibility to install up to 2 panels (wall fixing plate included). (390x660x25mm)

Consult the manual for sizing the number of panels depending on the daily solar radiation throughout the year.

## RECHARGEABLE BATTERY SETS



BAT



BAT/LIVI  
3-6-9/24



BAT/ADV

COD.	Art.	DESCRIPTION
629290	<b>BAT</b>	Rechargeable batteries kit for 24V operators, 12V - 1,2Ah, complete with wiring cables
629291	<b>BAT/LIVI 3-6-9/24</b>	Rechargeable batteries kit for LIVI/N 24V operators, 12V - 1,2Ah, complete with wiring cables and fixing plate
629292	<b>BAT/LIVI/N SUPPORT</b>	Support for LIVI/N batteries with fixing screws
649200	<b>BAT/PASS</b>	Batteries set for PASS N barriers complete with 2 x 4Ah batteries, fixing plates and connecting cables
649201	<b>BAT/STOP</b>	Batteries set for STOP N barriers complete with 2 x 4Ah batteries, fixing plates and connecting cables
639590	<b>BAT/ADV</b>	Batteries set for ADVANCE N
175001	<b>117</b>	Rechargeable battery, 12V, 4Ah
175000	<b>117B</b>	Rechargeable battery, 12V, 1,2Ah
175009	<b>117G</b>	Extra battery for GREEN ENERGY

## KEYPAD

NEW



DIGIRAD N

NEW



DIGICOVER

COD.	Art.	DESCRIPTION
663320	DIGIRAD N *Q2 2023*	Digital radio keypad with 4 channels powered by batteries (2 x CR2450). Can store up to 300 codes (2-8 digits). 433.92 MHz frequency with selectable Rolling Code, Dip Switch and D.A.R.T. coding. Painted composite material for high UV resistance. Integrated Bluetooth module for programming and updating via DEInstaller app
679250	DIGICOVER SILVER	Kit consisting of top cover and aluminium-effect button covers
679251	DIGICOVER CORTEN	Kit consisting of top cover and button covers corten effect

## PUSH-BUTTON KEYPAD



COD.	Art.	DESCRIPTION
663400	PULSY	Push button panel open (N.O.) / close (N.C.)IP40 - Max 1 A

## ACCESS CONTROL



DigiPRO



DigiSLIM



CardPROX



CoinPROX

COD.	Art.	DESCRIPTION
663310	DIGIPRO	Digikey with cable and proximity reader (76xh120x23,5mm)
663311	DIGISLIM	Digikey with cable and proximity reader (45xh165x23,5mm)
673001	CARDPROX	Proximity card with transponder, blank
673011	COINPROX	Proximity token with transponder

## KEYSWITCHES



102LUX



GT-KEY



GT-KEY/SB



GT-KEY/I

COD.	Art.	DESCRIPTION
663030	102LUX	Plastic keyswitch with two contacts, surface mounted. Supplied with 2 keys. (74xh89x35mm)
663090	GT-KEY	Metal vandal proof keyswitch with two contacts, surface mounted. Supplied with 2 keys. (55xh102x70mm)
663091	GT-KEY/SB	Aluminium key switch with two keys and unlocking device by cable Note: unlocking function to be used with operators for WILL 140 E roller shutter (55xh102x70mm)
663092	GT-KEY/I	Metal vandal proof keyswitch with two contacts, surface mounted. Supplied with 2 keys. (55xh102x38mm)

## PHOTOCELLS AND COLUMNS



LINEAR/XS

LINEAR



105/N

106/N



BSF



COVER/2



PILLY 60 - 120

PILLY/BASE

COD.	Art.	DESCRIPTION
662080	LINEAR/XS	Pair of mini synchronizable photocells for outdoor installation. Maximum range 20m (31,5xh92x38mm)
662044	LINEAR	Pair of adjustable photocells (180°) with possibility of synchronized operating. Range 20m (46xh125x40mm)
662043	LINEAR/B	Pair of adjustable photocells (180°) with tx supplied by a Lion battery. Range 7/15m (46xh125x40mm)
662047	LINEAR/SHIELD	Pair of adjustable photocells LINEAR with vandal-proof aluminium cover art. COVER/2 (56xh155x55mm)
662012	105/N	Pair of recessed photocells (1 pair) (70xh70x88mm)
681070	106/N	Plastic holder to be cemented for art. 105/N (8 pieces) (63xh63x73mm)

COD.	Art.	DESCRIPTION
681060	COVER/2	Vandal-proof aluminium cover for LINEAR and LINEAR/B photocells (2 pcs) (56xh155x55mm)
649160	BSF	Bracket for LINEAR photocells

COD.	Art.	DESCRIPTION
664000	PILLY/60	Pair of 55cm column for photocells (2 pcs)
664010	PILLY/120	100cm column for photocell and accessories (2 pcs)
664020	PILLY/BASE	Support to be cemented for column (160xh48x100mm)

## FLASHING LIGHTS



- ✓ 24V
- ✓ 120V
- ✓ 230V

COD.	Art.	DESCRIPTION
661130	AURA N	LED flashing light, multi-voltage 24AC-DC /120AC/230AC, with integrated antenna 433MHz/868MHz Cable L=5m
649290	LED/B	LED strip for top of the barrier case Consumption: min. 184 mA - max. 552 mA. For power supply, please refer to the technical manual.



## LOOP DETECTORS



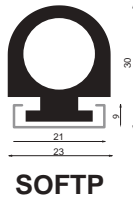
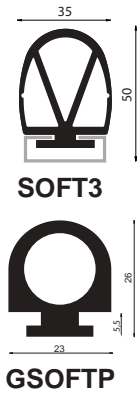
COD.	Art.	DESCRIPTION
667061	LOOP230/1	Loop detector, 1 channel
667071	LOOP230/2	Loop detector, 2 channels

## LOCKS AND ACCESSORIES



COD.	Art.	DESCRIPTION
136006	110V	Vertical electric lock 12V (without European cylinder) with ground selvage
136043	T-V	Plate roof for vertical electric lock
136005	D	Double European cylinder
136004	M	Half European cylinder
136044	1100I	Horizontal electric lock complete with double cylinder and horizontal selvage, adjustable, galvanized
136042	T-O	Plate roof for horizontal electric lock (supplied with plate for horizontal selvage)
665000	BLINDOS	Safety enclosure to place external unlocking device handle
665010	BLINDO	Empty safety enclosure

## SAFETY DEVICES AND ACCESSORIES



### PASSIVE EDGES

COD.	Art.	DESCRIPTION
667053	SOFT3	Safety black rubber profile (complete with aluminium base) useful to reduce the impact forces for sliding and swing gates (12m)
667051	SOFTP	Black rubber and aluminium profile useful to reduce the impact forces for overhead doors (24m)
321810	GSOFTP	Black rubber profile, EPDM S65 (24m)

### MECHANICAL SAFETY EDGES

COD.	Art.	DESCRIPTION
171034	C-16	Mechanical edge L=1,6m
171035	C-20	Mechanical edge L=2m
171036	C-25	Mechanical edge L=2,5m

COD.	Art.	DESCRIPTION
171002	130	Mechanical edge L= 1,2 m for overhead door (supplied without side cups 134D and 134S)
171003	131	Mechanical edge L= 1,8 m for overhead door (supplied without side cups 134D and 134S)
667030	134	Cups for left side closing for edge 130/131 (10 pcs)

### RESISTIVE SAFETY EDGES (ACCORDING TO EN12978)\*

COD.	Art.	DESCRIPTION
171038	CR-16	Safety resistive edge L=1,6m
171039	CR-20	Safety resistive edge L=2m
171040	CR-25	Safety resistive edge L=2,5m
171031	121N	Safety resistive edge L=0,90m for IRONBOX

\* Resistive and conductive edges should be installed in combination with the board art. 135/2 to comply with the Norms EN12978

### CONDUCTIVE SAFETY EDGES (ACCORDING TO EN12978)\*

COD.	Art.	DESCRIPTION
171043	CC-16	Conductive safety edge 8.2 KΩ L=1,6m
171044	CC-20	Conductive safety edge 8.2 KΩ L=2m
171045	CC-25	Conductive safety edge 8.2 KΩ L=2,5m

\* Resistive and conductive edges should be installed in combination with the board art. 135/2 to comply with the Norms EN12978

COD.	Art.	DESCRIPTION
171046	135/2	2-channel electronic board for certification of conductive safety edges (up to 4 edges, 2 per channel) or resistive safety edges (in series)

## SAFETY DEVICES AND ACCESSORIES



COD.	Art.	DESCRIPTION
668010	127	Warning sign



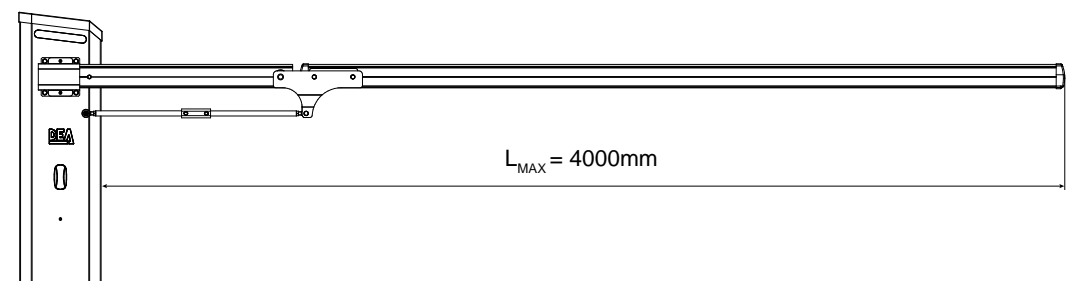
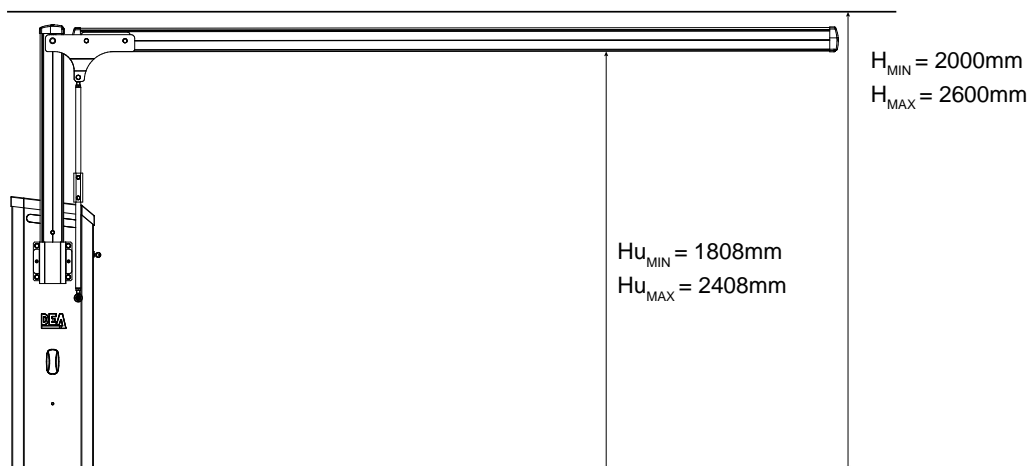
COD.	Art.	DESCRIPTION
681034	SMFLED230/2	230V led traffic light: red-green lights
681035	SMFLED24/2	24V led traffic light: red-green lights

## RADIO TRANSMISSION DEVICE



COD.	Art.	DESCRIPTION
672920	D-BAND-KIT	Wireless transmitter and receiver kit in 868 MHz, for resistive or mechanical safety edges
672901	D-BAND-TX	Type CR2032 2x3V DC battery-powered transmitter (51xh183x36mm)

# TRAFIK + ART. TRAFIK KIT








# TRAFIK + BOOM + MOLLA

L				MOLLA
2m - 5m	-	-	-	S
		✓		
	✓		✓	
	✓	✓		
5,5m	-	-	-	S
		✓		
	✓		✓	XL
	✓	✓		
6m	-	-	-	S
			✓	
	✓	✓		XL
	✓	✓		

# STOP N + BOOM

**STOP N is supplied with 2 springs applied and 1 apart.**  
This table refers to the use of the barrier with light beam BOOM4 and BOOM6

ADDITIONAL KIT MOLLA					
L					KIT MOLLA 
	BOOM LINK	1010/M - 1006	GSOFTP	1005/N	TO BE ADDED
5m	✓	✓	✓		+ 1
	✓			✓	
	✓	✓		✓	
6m				✓	+ 1
		✓		✓	
	✓	✓			
	✓		✓		+ 2
	✓	✓	✓		
	✓			✓	
7m	✓				+ 1
	✓	✓			+ 2
	✓		✓		
	✓	✓	✓		+ 3
	✓			✓	
	✓	✓		✓	
8m	✓				+ 2
	✓	✓			+ 3
	✓		✓		
	✓	✓	✓		+ 4
	✓			✓	
	✓	✓		✓	

## PASS/N-STOP/N-TRAFIK/N+LED lights+power supplies

Supplementary power supply guide for the LEDs of PASS/N, STOP/N, TRAFIK/N barriers depending on the chosen accessories

model	LED lights			
	LED/B cod.649290		STRIP-LED cod.649174	
	on during movement	always on	on during movement	always on
PASS/N	-		-	
STOP/N (230V)	POWER SUPPLY 840mA cod. 163523	POWER SUPPLY 840mA cod. 163523	POWER SUPPLY 840mA cod. 163523	POWER SUPPLY 840mA cod. 163523
STOP/N (24V)	-		-	
TRAFIK/N	-	-	-	-

**TABLE valid for LED accessories where only 1 basic colour is powered (R-G-B).**  
If 2 or 3 basic colours are activated simultaneously on the LED accessory to obtain other colours in addition to R-G-B, check the total absorption in the technical manuals and check that the 24V source provided can support it.

# NETCOM - SIM BASE - SIM PRO

	features	NETCOM + SIM BASE	NETCOM + SIM PRO	NETCOM
general	M2M SIM (machine to machine)	* Prepaid 2G / 3G / 4G multi operator SIM valid for 5 years	* Prepaid 2G / 3G / 4G multi operator SIM valid for 5 years	without SIM
	programming with DEACloud through:	SIM (remote connection)	SIM (remote connection)	USB (local connection)
	editing parametres remotely	✓	✓	✗
	enabling the "Manager" account	✓	✓	✗
access tools	access through a GSM call (200 phone numbers can be registered)	✓	✓	✗
	access to all features of remote control management	✓	✓	✓ only locally and only with Windows
	using DEAUser app (commands and gate status) (200 APP recordable)	✗	✓ up to 200 connections **	✗ without SIM ✓ with a SIM by other operators or art. LAN-EXP
installation management	programming NETLINK devices (DE@NET control boards, DEA receivers)	✓	✓	✗ remotely
				✓ locally
	checking the status of the system	✓	✓	✗ remotely
				✓ locally with USB or art. NET-NODE
	check the "EVENT LOG"	✓	✓	✗ remotely
				✓ locally
	quick intervention in case of faults	✓	✓	✗ remotely
				✓ locally
access to all features of maintenance management	✓ with DEACloud	✓ with DEACloud	✓ with DEACloud	
define which automations that can be controlled by the user (Feature "Profiles")	✓	✓	✓	
time slots and calendar	feature "Timer" for automatic actions	✓	✓	✓
	setting the time slots for the user access (Feature "Profiles")	✓	✓	✓
	feature "Calendar" to set up which days are to be considered add holidays	✓	✓	✓

\* SIM only works in European community countries, such as: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Gibraltar, Greece, Guadeloupe, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Holland, Norway, Poland, Portugal, Reunion, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom.

\*\* the number of connections may vary depending on the quality of the signal and the amount of data used for programming and managing the system

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