

AUTO MATION



Gate
Door
Boom
Bollard

D SPEC

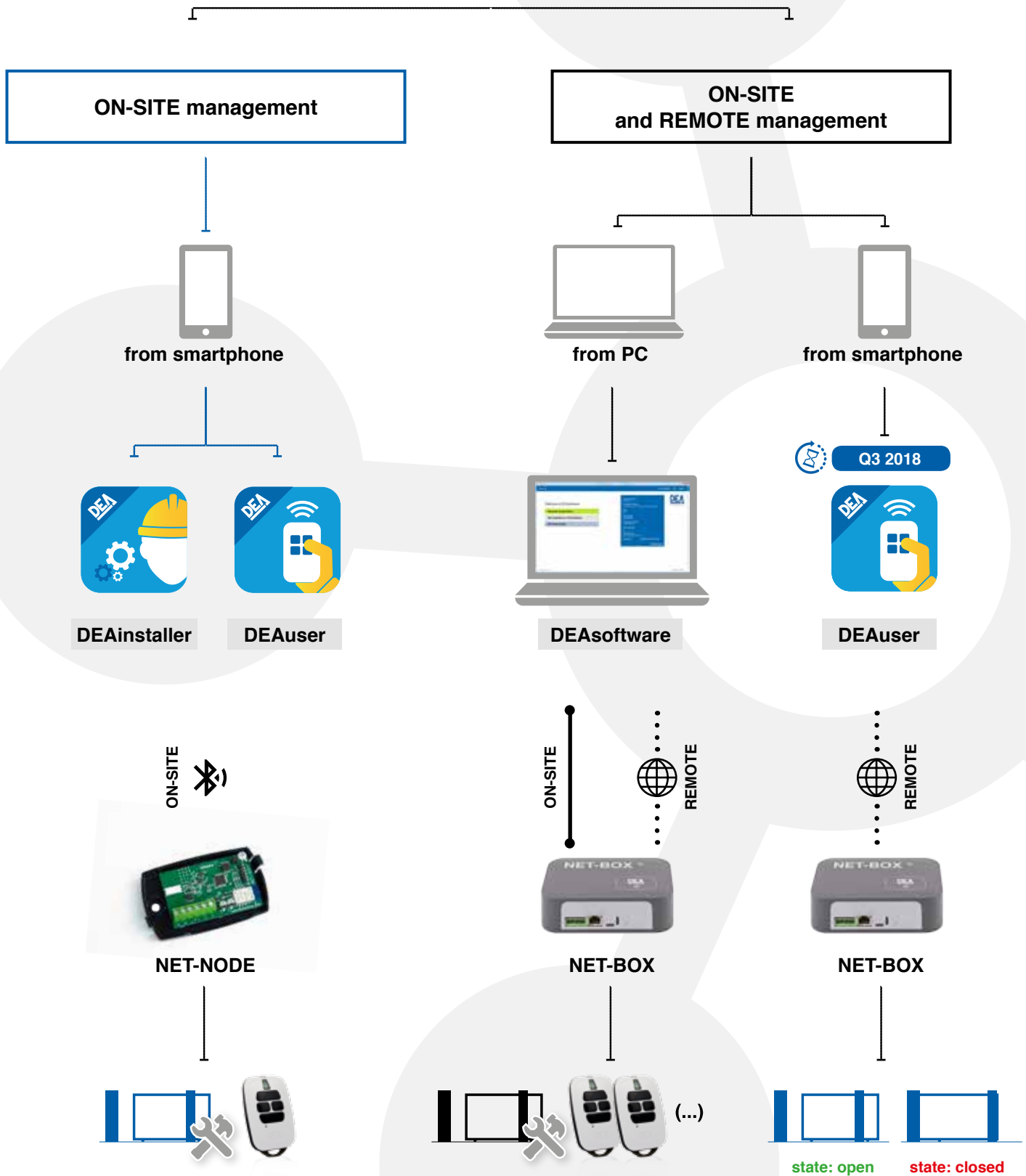
AUTO MATION

Residential
Commercial
Industrial



NETLINK

easy **installation**, smart **management**





NETBOX

Smart installation management.



NET-BOX is the last-born in the DEA family.

This device has been especially designed for professional use, as it allows large plants and complex installations to be managed easily and effectively.

NET-BOX is used together with DEAsoftware, the PC application that allows remote controls and control units to be commanded both locally and remotely.

DEAsoftware provides you with a database containing all the data relative to your installations.

The remote connection allows you to consult the database at any time: monitoring your plants has never been easier!

Thanks to NET-BOX and DEAsoftware you are faster, more efficient and more competitive.

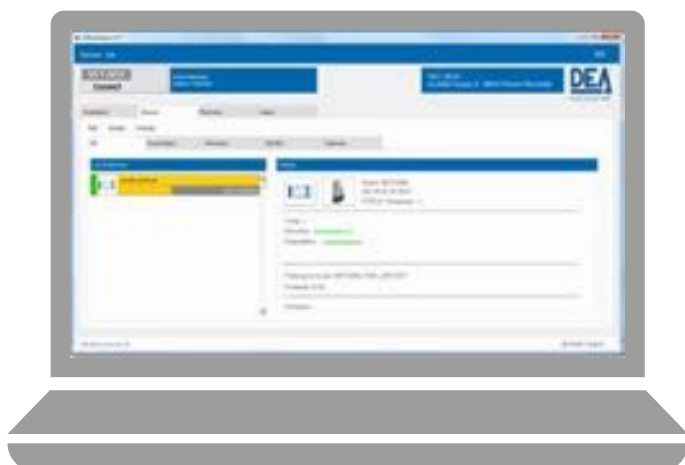


This is the new PC application that introduces new functionalities to the **NETLINK system**.

DEAsoftware offers advanced programming and management of DEA devices: resulting in a faster management of the remote controls, as well as enabling **remote monitoring**.

A **STANDARD** or **PREMIUM DEACloud** account is required in order to use this software.

With **DEAsoftware** you can work both **online** and **offline**. Simply connect your PC and use **NET-BOX** to synchronise the set parameters.



*the image shown is only for illustrative purposes; the interface of the software may be different.

DEAsoftware comprises three areas, each giving you access to different functionalities:

AREA 1. Manage the remote **control serial numbers**.

AREA 2. Create your system, by registering the control units and receivers. Program the parameters, the remote controls and **monitor the status of the devices**. The remote connection is available **for all types of account**.

AREA 3. Consult the **database** of the installations saved using the **DEAinstaller App**. Export the data summary in .pdf format. Available for users that have a **PREMIUM account**.

Connect your PC to the internet to keep the system database synchronised with DEACloud.



*the image shown is only for illustrative purposes; the interface of the software may be different.

NET-BOX

NET-BOX is the hardware interface that allows DEAsoftware to be connected to the system devices that need to be managed.

It can be connected to one device at a time, by means of the front terminal, or simultaneously to two devices, by means of the appropriate connectors.

DEAsoftware will check the status of the connected devices and synchronise the parameters and remote controls with the database.

Manage your control units and receivers by connecting MODEM 2G-EU (art. 679114) to NET-BOX using a data SIM card (not included). Alternatively, connect the LAN port to an internet router.

NET-BOX is also a programmer that allows you to customise the serial number of compatible remote controls (art. GTM).



CODE	Art.
679112	NET-BOX



GT4S is the serial remote control to be used with NET-BOX. Sequentially numbered remote controls: 100-piece box.

CODE	Art.
672643	GT4S

DEAcloud

DEAcloud is the online service needed by DEAsoftware to recover information from the NETLINK-compatible devices.
It also allows you to automatically backup the data of the installations in your account.

A DEAcloud account is necessary to be able to use DEAsoftware:

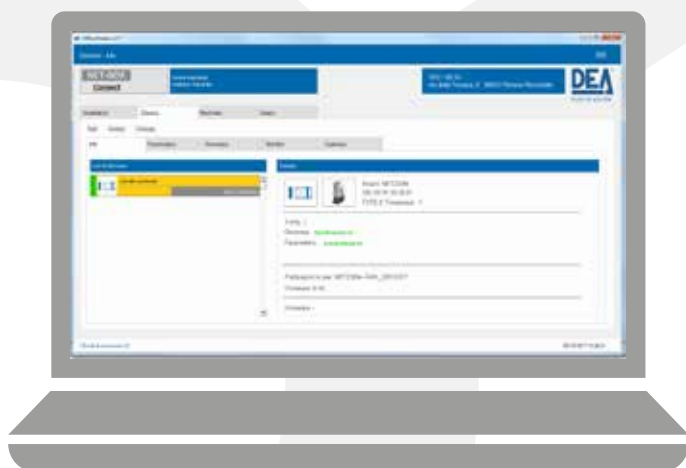
1. Visit cloud.deasystem.com and click on "Register"
2. Fill in the fields, enter your e-mail address and choose a password
3. You must confirm your identity by clicking the link that you will receive via e-mail
4. Wait for the e-mail confirming the activation of your account

The STANDARD account only allows DEAsoftware to be used on 1 enabled PC.



To use DEAsoftware:

1. Create a DEAcloud account
2. Login to cloud.deasystem.com, using the data of your DEAcloud account, then download and install DEAsoftware
3. Enter the email of your account and the name of the person who will be using the software
4. An activation request will be sent to the email address you supplied
5. Click on the link in the email
6. Enter and start using DEAsoftware



*the image shown is only for illustrative purposes; the interface of the software may be different.

PREMIUM CARD

PREMIUM CARD turns your standard account into a PREMIUM INSTALLER account which allows the software to be used on a maximum of 5 PCs.

These 5 PCs will be able to share the data archive of the installations included in your account and remotely manage the systems.

INSTALLER PREMIUM account is valid for 12 months from the date of activation, then you must buy another PREMIUM CARD to renew it.

To enable INSTALLER PREMIUM account:

1. Visit the website cloud.deasystem.com
2. Login to your DEAcloud account
3. Go to the LICENSE menu
4. Enter the code on the PREMIUM CARD



+ internet



= account
INSTALLER PREMIUM

CODE

Art.

679113

PREMIUM CARD

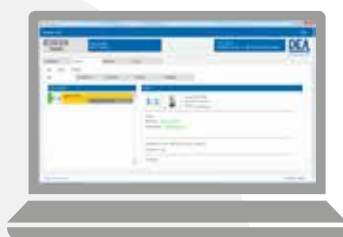
NET-BOX + DEAsoftware

stage 1



To access the functions of the **NETLINK** system and use **NET-BOX**:

1. go to <http://cloud.deasystem.com>
2. log in or register to activate your **DEAcloud account**
2. download and install **DEAsoftware**



DEAsoftware

stage 2



ACCOUNT "INSTALLER STANDARD"



- Activate **up to 1 PC** to:
- store the installations
 - save and manage the parameters
 - save and manage the remotes



PREMIUM CARD

ACCOUNT "INSTALLER PREMIUM"



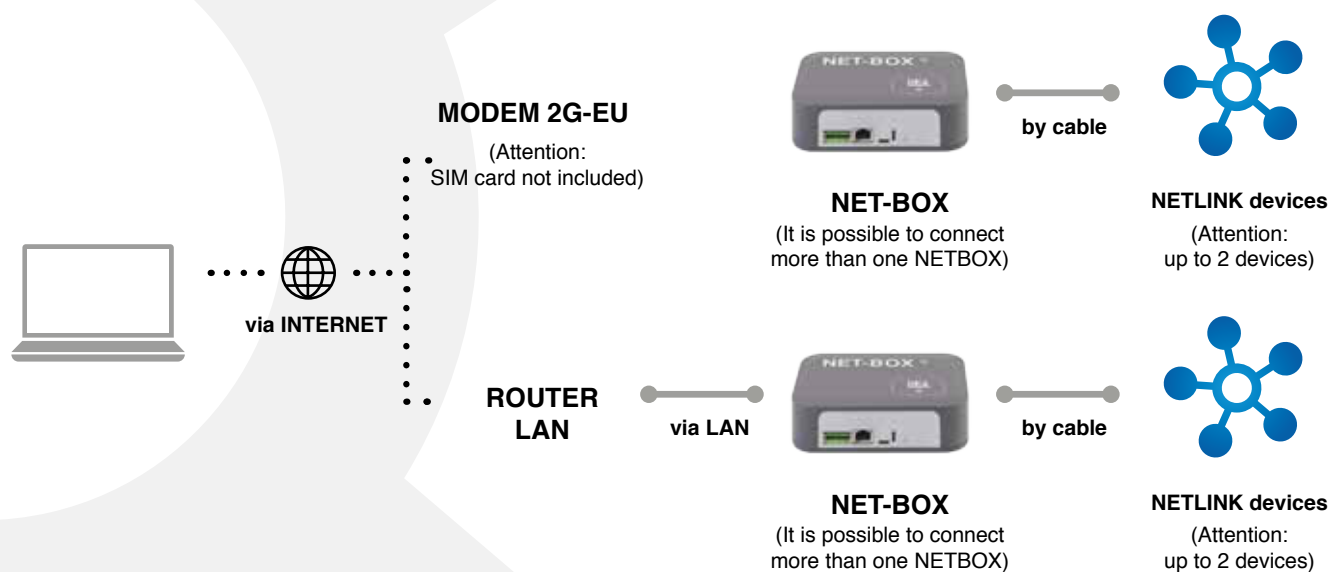
- Activate **up to 5 PC** to:
- store the installations
 - save and manage the parameters
 - save and manage the remotes
 - share the data of the installations

stage 3

ON-SITE management



REMOTE management



stage 4



Q3 2018



Q3 2018

On-site and remote management:

- to manage and modify the control units parameters
- to manage and modify the remote controls

Advanced access control:

- to set the remote controls to allow access during controlled time-slots
- to set the timer to open and close at set times

Log recording:

- to check the history of accesses and events
- to monitor the state of your installations



DEAinstaller

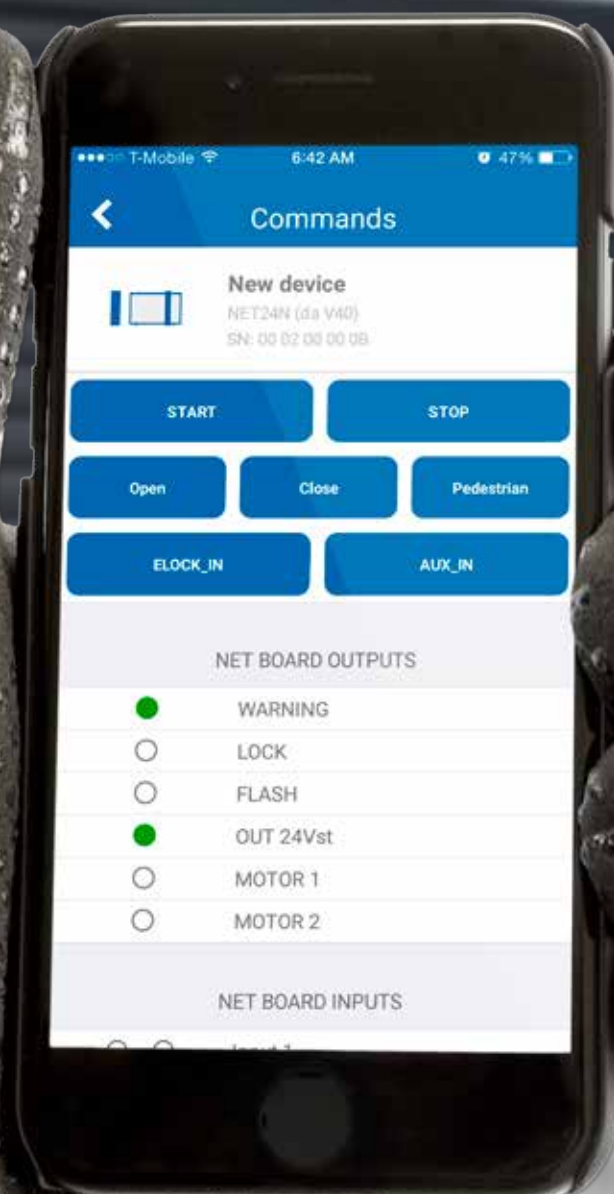


DEAinstaller App is dedicated to the professional installer. It allows you to program and manage the DEA installations from your smartphone, in an easy and intuitive way.

It allows you to adjust quickly and precisely the parameters of your control board, thanks to its user friendly interface with full descriptions.

Moreover, you will be able to access new functionalities by updating the firmware of your control boards. You can also backup your installations.

Restoring parameters and remotes will be easier.





DEAuser



DEAuser is the new App dedicated to the end user which allows you to **control DEA automations** from your smartphone (in the near of your gate).

Have you forgotten the transmitter or the key of your keyswitch?
Your smartphone becomes the key to access every gate.

If used with DEA receiver it allows you to control every automation.



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The DEAuser App will soon be compatible with NET-BOX.
You can then open and close your gate remotely by checking its status wherever you are!



NET-NODE + DEAINSTALLER

stage 1



To access the NETLINK functionalities you must:

1. activate your DEAcoud account (<http://cloud.deasystem.com>)
2. download the app DEAINSTALLER



DEAINSTALLER

stage 2



ACCOUNT "INSTALLER STANDARD"



You can activate up to 1 smartphone to:

- store the installations
- save and manage the parameters
- save and manage the remotes



PREMIUM CARD

ACCOUNT "INSTALLER PREMIUM"

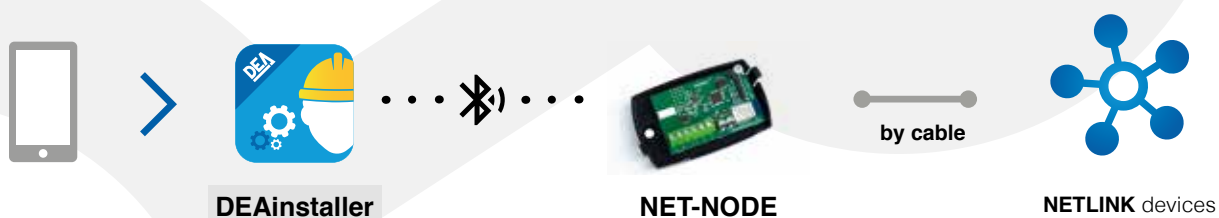


You can activate up to 10 smartphones to:

- store the installations
- save and manage the parameters
- save and manage the remotes
- share the datas of the installations

stage 3

ON-SITE management



stage 4



Device management:

- check and change the parameters
- add and delete the radio commands
- name and identify the radio commands



Installation database:

- keep the installation backup updated
- check the parameter database
- share the database with other devices, thanks to the INSTALLER PREMIUM account

NET-NODE

NETLINK is the new DEA technology which allows you to create and manage your installations easily.

In order to use NETLINK you must link up NET-NODE to the compatible control boards and associate it to the DEInstaller App.

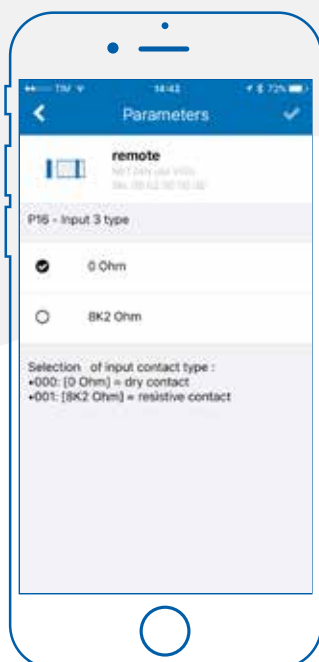
Compatible devices report a unique serial number of 10 digits (eg: 00 02 00 AB F5) that identifies the type of card and will be recognized during the scan of the App.

NET-NODE is the module to be wired to DE@NET devices (control units and receivers) that enables the wireless programming of the installation thanks to the DEInstaller App.

If left connected to the control board, it also enables you to control the automation with DEAuser App.



COD.	Art.
677640	NET-NODE



Control test of accessories, both incoming and outgoing (photocells, safety edges, electric locks, flashing lights...)

Managing parameters:

- Consultation and summary of the settings
- Parameters description
- Values ajustement

Management of the remote controls:

- Remote controls encoding setting.
- Saving new remotes.
- Remove existing remotes.

DEAcloud

DEAcloud is the must-have on-line service which is necessary to DEInstaller to retrieve informations about the devices compatible with NETLINK.

It also allows you to automatically backup the datas of the installations in your account.

To use DEInstaller app you must activate a DEAcloud account:

1. Visit cloud.deasystem.com and click on "Register"
2. Fill in the fields, enter your e-mail address and choose a password
3. You must confirm your identity by clicking the link that you will receive via e-mail
4. An activation e-mail will be sent to your address

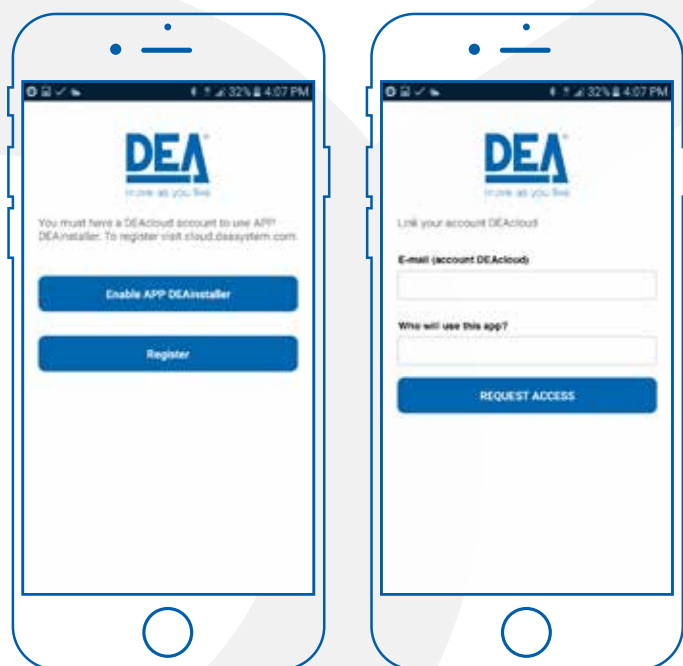
The STANDARD account allows you to use the App DEInstaller with only 1 enabled device.



Smartphone minimum requirements:

Bluetooth 4.0 (smart - low energy)

Operative system: APPLE iOS 9 or Android 4.3



To use the App DEInstaller:

1. Create an account **DEAcloud**
2. Download the app (Google Play or the Apple Store)
3. Enter the email of your DEAcloud account and the name of those who will use the App
4. An activation e-mail will be sent to your address
5. Click on the link in the e-mail
6. Sign in and start using the app installer DEInstaller



PREMIUM CARD

PREMIUM CARD allows your **DEAcloud** account to become an **INSTALLER PREMIUM** account and associate up to 10 smartphones.

These 10 devices will be able to share the datas of the installations related to your account.

INSTALLER PREMIUM account is valid for 12 months from date of activation, then you must buy another **PREMIUM CARD**.

To enable **INSTALLER PREMIUM** account:

1. Visit the website cloud.deasystem.com
2. Sign in to your **DEAcloud** account
3. Go to the menu **LICENSE**
4. Enter the code on the **PREMIUM CARD**



= account
INSTALLER PREMIUM

COD.

Art.

679113

PREMIUM CARD

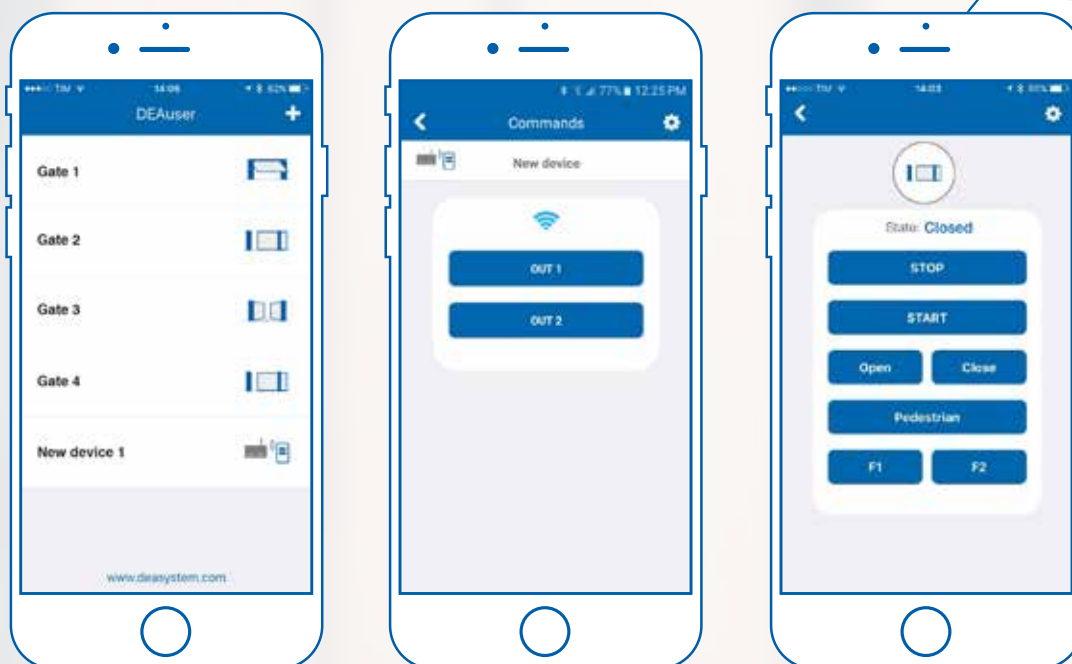
DEAuser + NET-NODE

NET-NODE allows your customer to use the app DEA user.

By connecting NET-NODE to a DE@NET control board or to a DEA receiver, you can control all the automations associated from a few meters away.
You can leave home only with your smartphone!

You can associate more than 1 smartphone at the same NET-NODE, allowing all users (only one at a time) to use the app to open the gate.

From the same smartphone you can also control more automations associating different NET-NODE.



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The DEAuser App will soon be compatible with NET-BOX. You can then open and close your gate remotely by checking its status wherever you are!



To use the App DEAuser:

1. Download and open the App DEAuser (from Google Play or the Apple Store)
2. Associate the device you want to control:
2a. Enter **Serial code**⁽²⁾ of the control board or receiver provided by the installer
2b. Enter the **Pairing Code**⁽³⁾ (default = 0)
3. Confirm and wait for the searching of the paired device
4. Give a name to the automation (eg. "HOME ENTRANCE")
5. Provide the **Pairing Code**⁽³⁾ to all users who will use the installation.

Notes:

For safety reasons we recommend you to access the settings panel of your App and customize **Pairing Code**⁽³⁾ and **User Code**⁽¹⁾ before sharing the **Pairing Code**⁽³⁾.

(1) USER CODE: This is the code for the main administrator of the automation. He is allowed to change the PAIRING CODE and the USER CODE.

(2) SERIAL CODE: 10-digit code printed on the DE@NET board or on the DEA receiver.

(3) PAIRING CODE: Code to connect to the App DEAuser to NET-NODE. Default = 0. To be changed with a code of your choice after completing the installation.





SLIDING GATES

Automation for residential, collective and industrial sliding gates



LIVIN

- Up to 800 kg
- 230V / 24V
- Residential use
- Available with encoder



REV

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







GULLIVER

- Up to 2500 kg
- 230V / 400V
- Industrial use
- Operators with encoder, available with electro-mechanical brake

SELECTION GUIDE

Select the right automation

						Art.	
400 kg	230V	212E	●			403E	
500 kg	24V	NET24N	●			6/24N ^{NEW}	
						5/24NET-BOOST	
						6/24N-BOOST ^{NEW}	
	230V	NET230N	●	✓		6ET ^{NEW}	
800 kg	24V	NET24N	●			9/24N ^{NEW}	
	230V	212E	●			803E	
						803N ^{NEW}	
900 kg	230V	NET230N	●	✓		9N ^{NEW}	
1400 kg	24V	NET24N	● ● ●			REV24	
	230V	NET230N	● ●	✓		REV220	
	230V	NET230N	● ● ●	✓	✓	REV220/RF	
2100 kg	230V	NET230N	● ● ●	✓		18NET	
2500 kg	400V	400RR	● ● ●	✓		25RRT	

page
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LIVI/N

Automation for residential sliding gates



PHASE IN Q3 2018



Automation for residential sliding gates



compatible with our Apps!



PHASE IN Q3 2018



230V AC operators with control board, limit switches and encoder

COD.	Art.	EN	kg				OTHER CHARACTERISTICS
614700	LIVI 6N	EN 12453 EN 12445	600 kg	●	NET230N	✓	<ul style="list-style-type: none"> Irreversible with limit switches (magnetic only for 6N/M and 9N/M versions) Speed adjustment and slow down in opening and closing Motor control by encoder and obstacle detection
614701	LIVI 6N/M	EN 12453 EN 12445	500 kg	●	NET230N	✓	
615700	LIVI 9N	EN 12453 EN 12445	800 kg	●	NET230N	✓	
615701	LIVI 9N/M	EN 12453 EN 12445	800 kg	●	NET230N	✓	

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

24V DC operators with control board and limit switches

COD.	Art.	EN	kg			OTHER CHARACTERISTICS
614750	LIVI 6/24N/F	EN 12453 EN 12445	600 kg	●	NET24N	<ul style="list-style-type: none"> Irreversible with limit switches (magnetic only for 6/24N/M, 6/24N/M-BOOST and 9/24N/M versions) Speed adjustment and slow down in opening and closing Anti-crushing safety device Versions with increased speed only in BOOST models (16m/min)
614752	LIVI 6/24N/M	EN 12453 EN 12445	600 kg	●	NET24N	
614751	LIVI 6/24N/F-BOOST	EN 12453 EN 12445	600 kg	●	NET24N	
614753	LIVI 6/24N/M-BOOST	EN 12453 EN 12445	500 kg	●	NET24N	
615750	LIVI 9/24N/F	EN 12453 EN 12445	800 kg	●	NET24N	
615751	LIVI 9/24N/M	EN 12453 EN 12445	800 kg	●	NET24N	

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

212E 230V AC operators with control board and limit switches

COD.	Art.	kg			OTHER CHARACTERISTICS
614702*	LIVI 403N*	400 kg	●	212E	<ul style="list-style-type: none"> Self-locking with limit switches Electronic force adjustment Automatic working time learning Controlled input for external safety device
615702*	LIVI 803N*	800 kg	●	212E	

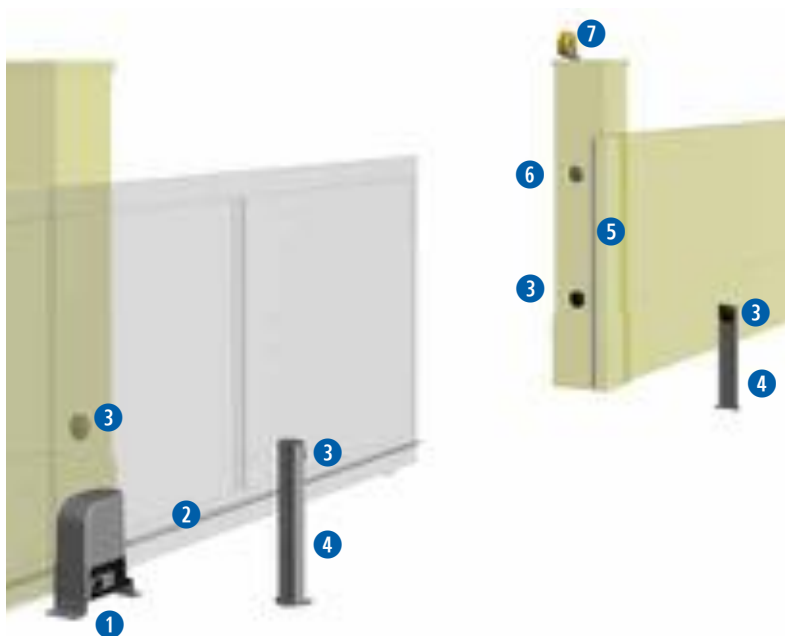
All models have: fixing plate (to be screwed) included

* 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.

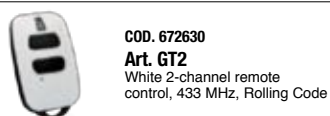
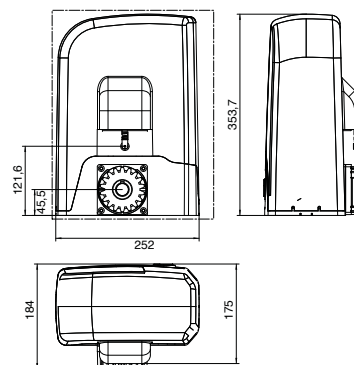
TECHNICAL INFO	LIVI 403N - LIVI 6N LIVI 6N/M	LIVI 803N - LIVI 9N LIVI 9N/M	LIVI 5/24N/F LIVI 5/24N/M	LIVI 5/24N/F-BOOST LIVI 5/24N/M-BOOST	LIVI 8/24N/F LIVI 8/24N/M
Motor power supply (V)	230V AC ~ ±10% (50/60 Hz)		24V DC		
Maximum power absorption (W)	320	450	80		110
Max thrust (N)	340	490	210	240	260
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		
Protection level	IPX4 (IP44 for versions with magnetic limit switches)				

* For a 5m leaf length

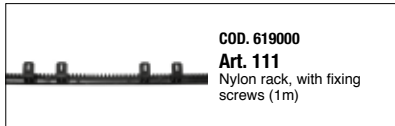
EXAMPLE OF A TYPICAL INSTALLATION



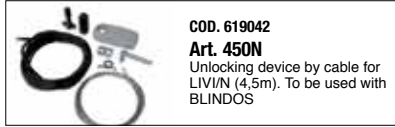
DIMENSIONS



SPECIFIC ACCESSORIES



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



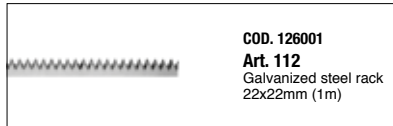
COD. 619042
Art. 450N
Unlocking device by cable for LIVI/N (4,5m). To be used with BLINDOS



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



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



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



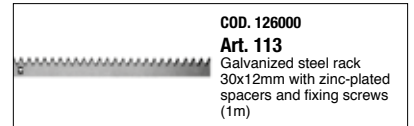
COD. 665000
Art. BLINDOS
Aluminium safety enclosure, with European cylinder, ready for unlocking device by cable.



COD. 171035
Art. C-20
Mechanical 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)



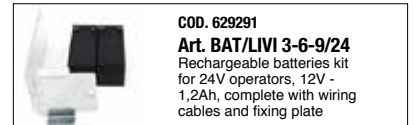
COD. 126000
Art. 113
Galvanized steel rack 30x12mm with zinc-plated spacers and fixing screws (1m)



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

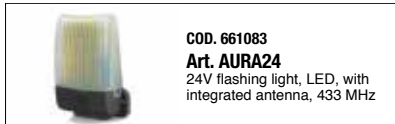


COD. 171039
Art. CR-20
Resistive edge L=2

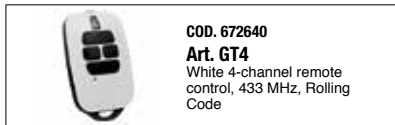


COD. 629291
Art. BAT/LIVI 3-6-9/24
Rechargeable batteries kit for 24V operators, 12V - 1,2Ah, complete with wiring cables and fixing plate

OTHER ACCESSORIES



COD. 661083
Art. AURA24
24V flashing light, LED, with integrated antenna, 433 MHz



COD. 672640
Art. GT4
White 4-channel remote control, 433 MHz, Rolling Code



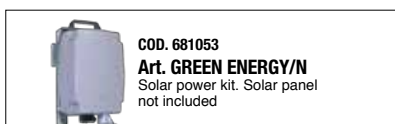
COD. 662043
Art. LINEAR/B
Pair of adjustable photocells (180°) with tx supplied by a Lion battery. Range 7/15m



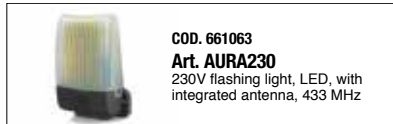
COD. 663280
Art. DIGIRAD
Wireless keypad



COD. 664020
Art. PILLY/BASE
Support to be cemented for column



COD. 681053
Art. GREEN ENERGY/N
Solar power kit. Solar panel not included



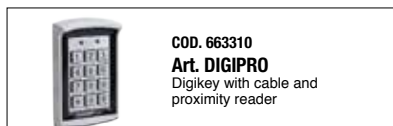
COD. 661063
Art. AURA230
230V flashing light, LED, with integrated antenna, 433 MHz



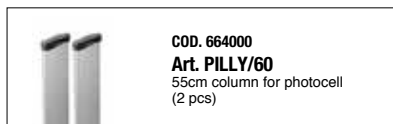
COD. 662080
Art. LINEAR/XS
Pair of mini photocell for outdoor installation. Maximum range 20m



COD. 681060
Art. COVER
Vandal-proof aluminium cover for LINEAR and LINEAR/B photocells (2 pcs)



COD. 663310
Art. DIGIPRO
Digikey with cable and proximity reader



COD. 664000
Art. PILLY/60
55cm column for photocell (2 pcs)



COD. 668010
Art. 127
Warning sign



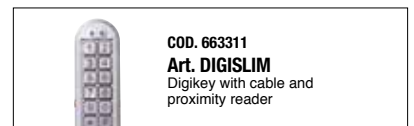
COD. 672630
Art. GT2
White 2-channel remote control, 433 MHz, Rolling Code



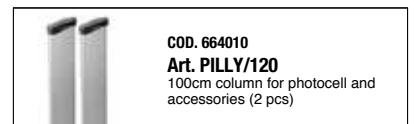
COD. 662044
Art. LINEAR
Pair of adjustable photocells (180°) with possibility of synchronized operating. Range 20m



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



COD. 663311
Art. DIGISLIM
Digikey with cable and proximity reader



COD. 664010
Art. PILLY/120
100cm column for photocell and accessories (2 pcs)



COD. 677640
Art. NET-NOE
Device for the control of installations in local mode. To be used with DEInstaller and DEAuser Apps

NEW



COD. 679112
Art. NET-BOX
Device for the control of installations in local or remote mode. To be used with DEASoftware



REV

Automation for collective sliding gates



Automation for collective sliding gates



compatible with our Apps!



230V AC operators with control board, limit switches and encoder

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

All models have (IB version excluded): control board and fixing plate to be cemented included

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

24V DC operators with control board and limit switches

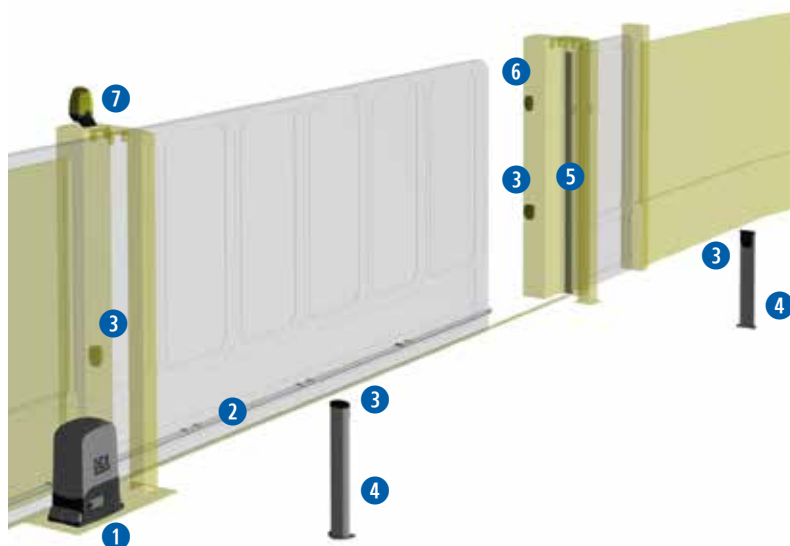
COD.	Art.				OTHER CHARACTERISTICS
616011	REV24/F	1400 kg*	●●●	NET24N	<ul style="list-style-type: none"> Self-locking with limit switches Speed adjustment and slow down in opening and closing
616012	REV24/M	1400 kg*	●●●	NET24N	<ul style="list-style-type: none"> Self-locking Magnetic limit switches Speed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

All models have (IB version excluded): control board and fixing plate to be cemented included

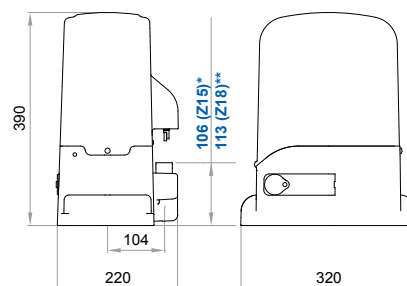
* If using an oversized pinion art. Z22, the maximum weight of the leaf should be reduced by 30%

TECHNICAL INFO	REV220 - REV220/M REV220/IB	REV220/RF - REV220/RFM REV220/RF/IB	REV24/F - REV24/M REV24/IB
Motor power supply (V)	230V AC ~ ± 10 % (50/60 Hz)		24V DC
Maximum power absorption (W)	500		250
Max thrust (N)	900	1200	450
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
N. max. cycles in 24h. for an 8m leaf length	270 for gates up to 1000kg 220 for gates up to 1400kg		300 for gates up to 1000kg 250 for gates up to 1400kg
Built-in capacitor (µF)	14	12,5	\
Operating temperature (°C)	-20 ÷ 50		
Motor thermal protection (°C)	150		\
Speed (m/min)	10		12
Standard pinion	Z18	Z15	Z18
Weight with packing (Kg)	18		
Protection level	IPX4 (IP44 with magnetic limit switches)		

EXAMPLE OF A TYPICAL INSTALLATION



DIMENSIONS



* art. REV220/RF - REV220RFM

**art. REV220 - REV220/M



COD. 616000
Art. REV220
Operator for collective sliding gates



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



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



COD. 664000
Art. PILLY/60
55cm column for photocell (2 pcs)



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



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



COD. 661063
Art. AURA230
230V flashing light, LED, with integrated antenna, 433 MHz

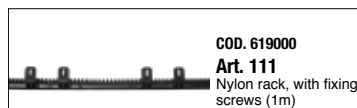


COD. 672630
Art. GT2
White 2-channel remote control, 433 MHz, Rolling Code

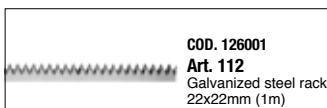


COD. 668010
Art. 127
Warning sign

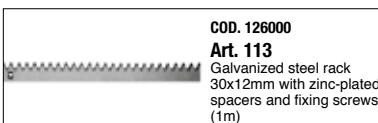
SPECIFIC ACCESSORIES



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. 619041
Art. 451
Unlocking device kit for REV (4,5m). To be used in connection with BLINDOS



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



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



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



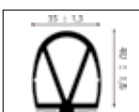
COD. 171039
Art. CR-20
Safety resistive edge L=2m according to EN12978



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



COD. 171040
Art. CR-25
Safety resistive edge L=2.5m in compliance with EN12979



COD. 667053
Art. Soft3
Safety rubber profile (complete with aluminium base) useful to reduce the impact forces for sliding and swing gates (12m)



COD. 360674
Art. Pignone Z15/IB
Galvanized pinion for IRONBOX M=4 Z=15 Øe=68



COD. 360673
Art. Pignone Z18/IB
Galvanized pinion for IRONBOX M=4 Z=18 Øe=68



COD. 619090
Art. Pignone Z22*
Oversized pinion Z=22 for REV

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

OTHER ACCESSORIES



COD. 661083
Art. AURA24
24V flashing light, LED, with integrated antenna, 433 MHz



COD. 672640
Art. GT4
White 4-channel remote control, 433 MHz, Rolling Code



COD. 662043
Art. LINEAR/B
Pair of adjustable photocells (180°) with tx supplied by a Lion battery. Range 7/15m



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



COD. 663311
Art. DIGISLIM
Digikey with cable and proximity reader



COD. 664010
Art. PILLY/120
100cm column for photocell and accessories (2 pcs)



COD. 661063
Art. AURA230
230V flashing light, LED, with integrated antenna, 433 MHz



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



COD. 662047
Art. LINEAR/SHIELD
Pair of adjustable photocells LINEAR with vandal-proof aluminium cover art. COVER



COD. 663280
Art. DIGIRAD
Wireless keypad



COD. 664020
Art. PILLY/BASE
Support to be cemented for column



COD. 681053
Art. GREEN ENERGY/N
Solar power kit. Solar panel not included



COD. 672630
Art. GT2
White 2-channel remote control, 433 MHz, Rolling Code



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



COD. 681060
Art. COVER
Vandal-proof aluminium cover for LINEAR and LINEAR/B photocells (2 pcs)



COD. 663310
Art. DIGIPRO
Digikey with cable and proximity reader



COD. 664000
Art. PILLY/60
55cm column for photocell (2 pcs)



COD. 629290
Art. BAT
Rechargeable batteries kit for 24V operators, 12V - 1.2Ah, complete with wiring cables

NEW



COD. 677640
Art. NET-NODE
Device for the control of installations in local mode. To be used with DEInstaller and DEAuser Apps

NEW



COD. 679112
Art. NET-BOX
Device for the control of installations in local or remote mode. To be used with DEAssoftware

IRON BOX

RAL 9006 painted steel vandal-proof box for REV and GULLIVER with magnetic limit switches (code 619070) and foundation plate

COD.	Art.	DIMENSIONS	kg
619080	IRONBOX	580 x 1002 x 280 mm	44 Kg

See technical details at page 44





GULLIVER

Automation for industrial sliding gates



Automation for industrial sliding gates



(only NET230N)



compatible with our Apps!

(only NET230N)



230V AC operator with control board, limit switches and encoder

COD.	Art.					OTHER CHARACTERISTICS
613300	18NET	2100 kg	●●●	NET230N	✓	<ul style="list-style-type: none"> Self-locking with limit switches Speed adjustment and slow down in opening and closing Motor control by encoder and obstacle detection
613301	18NET/M	2100 kg	●●●	NET230N	✓	<ul style="list-style-type: none"> Self-locking Magnetic limit switches Speed adjustment and slow down in opening and closing Motor control by encoder and obstacle detection

All models have (IB version excluded): control board and fixing plate to be cemented included

400V AC operators with control board, limit switches and encoder

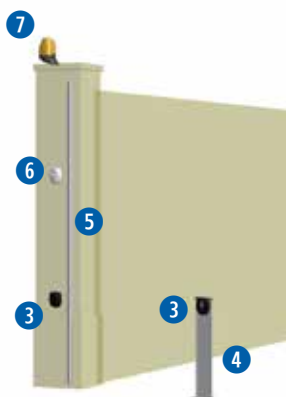
COD.	Art.					OTHER CHARACTERISTICS
613210	25RRT	2500 kg	●●●	400RR	✓	<ul style="list-style-type: none"> ATTENTION: NOT COMPATIBLE WITH NETLINK Self-locking with limit switches Anti-crushing safety device Speed adjustment and slow down in opening and closing Motor control by encoder and obstacle detection Anti-inertia braking device (version 25RRTF only)
613215	25RRTF	2500 kg	●●●	400RR	✓	
613221	25RRT/M	2500 kg	●●●	400RR	✓	<ul style="list-style-type: none"> ATTENTION: NOT COMPATIBLE WITH NETLINK Self-locking Magnetic limit switches Speed adjustment and slow down in opening and closing Motor control by encoder and obstacle detection

All models have (IB version excluded): control board and fixing plate to be cemented included

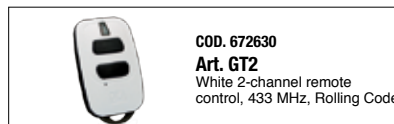
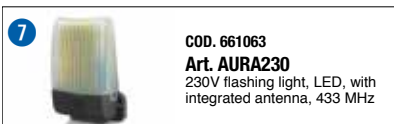
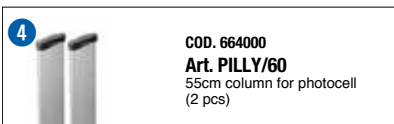
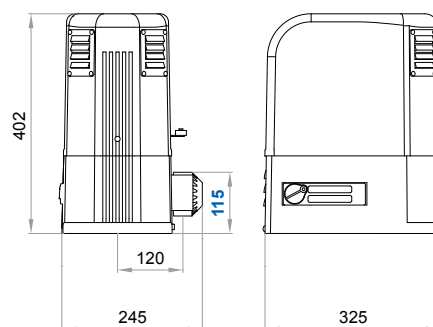
For all models: not compatible with NETLINK

TECHNICAL INFO	18NET - 18NET/M - 18/IB	25RRT - 25RRTF - 25RRT/M - 25/IB
Motor power supply (V)	230V AC ~ ± 10 % (50/60 Hz)	400V AC ~ ± 10 % (50/60 Hz)
Maximum power absorption (W)	560	1200
Max thrust (N)	1300	1650
Duty cycle (cycles/hours)	15 - for a 12 m leaf length	17 - for a 14m leaf length
N. max cycles in 24h	240	280
Built-in capacitor (µF)	30	/
Operating temperature (°C)	-20 ÷ 50	
Motor thermal protection (°C)	140	/
Speed (m/min)	10	
Standard pinion	Z18	Z18
Weight with packing (Kg)	30	
Protection level	IPX4 (IP44 with magnetic limit switches)	

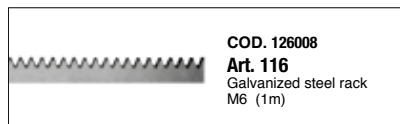
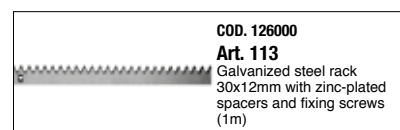
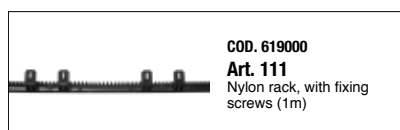
EXAMPLE OF A TYPICAL INSTALLATION



DIMENSIONS



SPECIFIC ACCESSORIES





JUGGERNAUT JUNIOR



CONTROL PANELS:

JUGGER Jr. — CP.BISON OTI

BENINCA
TECHNOLOGY TO OPEN
MADE IN ITALY



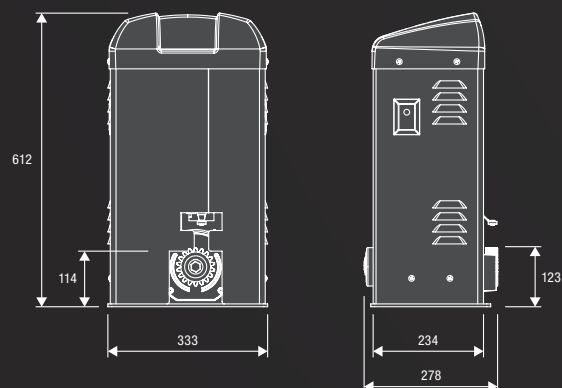
AUTOMATIONS FOR SLIDING GATES INDUSTRIAL USE

control unit with built-in receiver, magnetic encoder and inverter
oil submerged gear
IP68 limit switch
personalised release key
up to 2,500 kg



230 Vac

- Three phase 230 Vac geared motor, ventilated for intensive use
- Full metal mechanics and oil lubrication. The type of oil used ensures maximum efficiency even at low temperatures
- The encoder device ensures precision in the gate moving phases
- Casing protective treatment and paint
- The inverter technology allows for more precise adjustment of the gate moving phases, and increased crush prevention security
- Optional built-in FTC.S photocells, available as accessory





RI.M4Z
9272030

M4 galvanized rack
(22x22x2000 mm).

Packaging: 2 pcs



RI.M6Z
9272040

M6 galvanized rack
30x30x2000 mm.
(needs the RI.P6
accessory to work).



RI.P6
9630001

M6 gear, It needs the rack
RI.M6Z.



FTC.S
9409089

24Vac/dc surface mounting
photocell. It is possible
to synchronised up to 4
couple of photocells.



RF.SUN
9409015

Battery-operated device
recharged by means
of a photovoltaic panel
applied on a mobile edge.
(Technical features
on p. 176)



RF
9409016

Device with a non
rechargeable battery,
with guaranteed duration
2 years. (Technical
features on p. 176)



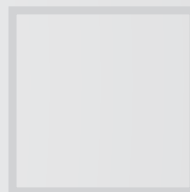
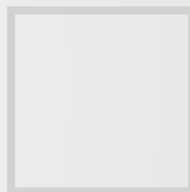
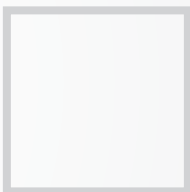
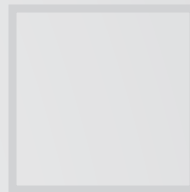
SC.RF
9409014

Device powered at
12/24 Vdc with self-test
function and 2 outputs for
connection to the electronic
control panels. (Technical
features on p. 176)



ID.TA
9846019

Warning board.



 **MADE IN ITALY**

AUTOMATISMI BENINCA SpA • via del Capitello, 45 • 36066 Sandrigo (VI) ITALY • T +39 0444 751030 • F +39 0444 759728 • sales@beninca.it

TECHNICAL DATA

BISON25 OTI

Code	9591449
Power supply	230 Vac (50-60Hz)
Motor supply	≈ 230 Vac
Max absorbed current	8 A
Max Thrust	2500 N
Opening speed	reg. 7-19 m/min
Operation cycle	intensive use
Protection level	IP44
Operating temperature	-20°C /+50°C
Lubrication	OIL
Max gate weight	2500 kg
Driving gear for rack	M4 Z18
Weight	31 kg
Items no. per pallet	6



JUGGERNAUT



CONTROL PANELS:

JUGGERNAUT — CP.BISON OTI

BENINCA
TECHNOLOGY TO OPEN
MADE IN ITALY



AUTOMATION FOR SLIDING GATES INDUSTRIAL USE

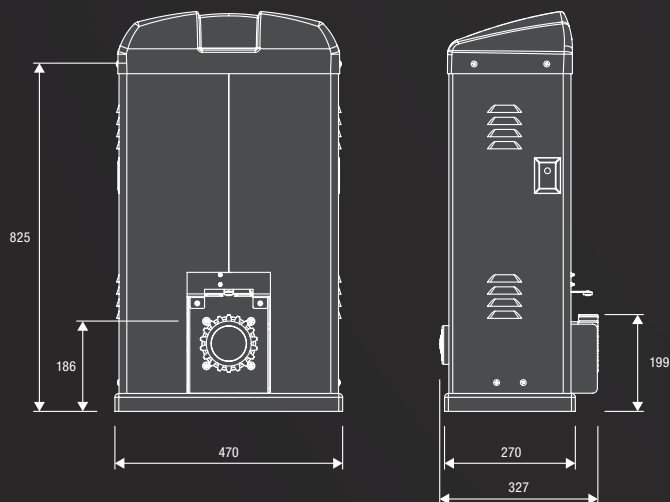
control unit with built-in receiver, magnetic encoder and inverter
oil submerged gear
IP68 limit switch
personalised release key
up to 4,500 kg

**BASE PLATE
NOT INCLUDED.**



400 Vac

- Three phase 400 Vac geared motor, ventilated for intensive use
- Security sensor which interrupts the motor power supply during release operations
- Full metal mechanics and oil lubrication. The type of oil used ensures maximum efficiency even at low temperatures
- Casing protective treatment and paint
- The encoder device ensures precision in the gate moving phases
- The inverter technology allows for more precise adjustment of the gate moving phases, and increased crush prevention security
- Optional built-in FTC.S photocells, available as accessory





RI.M6Z
9272040

M6 galvanized rack
30x30x2000 mm.
(needs the RI.P6
accessory to work).



BISON.P45
9623067

Foundation plate for
BISON45 OTI with coach
screws and support base
for height adjustment



FTC.S
9409089

24Vac/dc surface mounting
photocell. It is possible
to synchronised up to 4
couple of photocells.



RF.SUN
9409015

Battery-operated device
recharged by means
of a photovoltaic panel
applied on a mobile edge.
(Technical features
on p. 176)



RF
9409016

Device with a non
rechargeable battery,
with guaranteed duration
2 years. (Technical
features on p. 176)



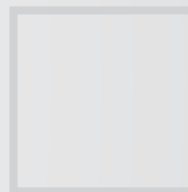
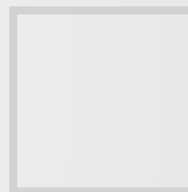
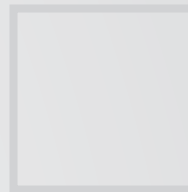
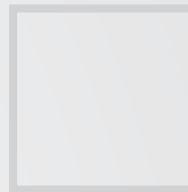
SC.RF
9409014

Device powered at
12/24 Vdc with self-test
function and 2 outputs for
connection to the electronic
control panels. (Technical
features on p. 176)



ID.TA
9846019

Warning board.



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TECHNICAL DATA

BISON45 OTI

Code	9592183
Power supply	≈ 400 Vac (50-60Hz)
Motor supply	≈ 400 Vac
Max absorbed current	2.85 A
Max Thrust	5000 N
Opening speed	reg. 7-19 m/min
Operation cycle	intensive use
Protection level	IP44
Operating temperature	-20°C /+50°C
Lubrication	OIL
Max gate weight	4500 kg
Driving gear for rack	M6 Z18
Weight	75 kg
Items no. per pallet	4

IRON BOX

RAL 9006 painted steel vandal-proof box for REV and GULLIVER with magnetic limit switches (code 619070) and foundation plate

COD.	Art.	DIMENSIONS	
619080	IRONBOX	580 x 1002 x 280 mm	44kg

See technical details at page 44

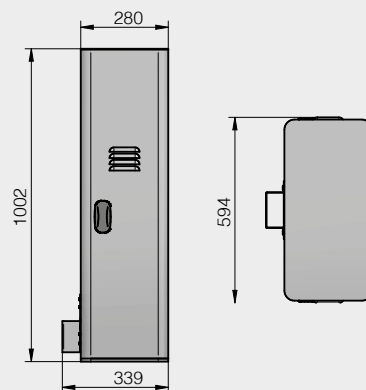


IRON BOX

Painted-steel (RAL 9006) vandal-proof box for REV and GULLIVER, complete with magnetic limit switches (code 619070) and foundation plate.

COD.	Art.	DIMENSIONS	kg
619080	IRONBOX	580 x 1002 x 280 mm	44kg

To be installed with an optional safety rib art. 121N (cod. 171031)



REV - 230V AC operators without control board and motor cover



COD.	Art.	kg	gears	EN 10500	OTHER CHARACTERISTICS
616005	REV220/IB	1400 kg	•••	✓	<ul style="list-style-type: none"> Self-locking Magnetic limit switches inside IRONBOX Motor control by encoder and obstacle detection Designed for IRONBOX
616006	REV220/RF/IB	1400 kg	••••	✓	<ul style="list-style-type: none"> Not self-locking, with brake Magnetic limit switches inside IRONBOX Oil bath Motor control by encoder and obstacle detection Designed for IRONBOX

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

REV - 24V DC operators without control board and motor cover



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

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

GULLIVER - 230V AC operators without control board and motor cover



COD.	Art.	kg	gears	EN 10500	OTHER CHARACTERISTICS
613302	18/IB	2100 kg	••••	✓	<ul style="list-style-type: none"> Self-locking Magnetic limit switches inside IRONBOX Motor control by encoder and obstacle detection Designed for IRONBOX

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

GULLIVER - 400V AC operators without control board and motor cover



COD.	Art.	kg	gears	EN 10500	OTHER CHARACTERISTICS
613219	25/IB	2500 kg	••••	✓	<ul style="list-style-type: none"> Self-locking Magnetic limit switches inside IRONBOX Motor control by encoder and obstacle detection Designed for IRONBOX

Control board to complete the installation: control board cod. 677140 art. 400RR/C (with box)



SWING GATES

Choose the automation for your swing gate



MAC/STING

- Up to 3m - 400kg
- 230V / 24V
- Residential use
- Available versions with encoder



LIVI 502

- Up to 4,5m - 400kg
- 230V - 24V
- Residential and semi-intensive 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



ANGOLO

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

NEW



OLI

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



GHOST 100

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



GEKO

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



GHOST 200






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

SELECTION GUIDE




Choose the maximum length of your gate





Linear rams

1,8m	200 kg	100°	24V	●			LOOK		63
3m	400 kg	110°	230V	●	✓	art. MAC/FM	MAC - STING		59
		110°	24V	●●		art. MAC/FM	MAC - STING		
	450 kg	100°	230V	●●	✓		LOOK		63
		100°	24V	●●		✓	LOOK		
	600 kg	90°	230V	●●●			OLI		67
4,5m	500 kg	110°	230V	●●●			OLI		
5m	280 kg	120°	230V	●●	✓		LOOK		63
		120°	24V	●●		✓	LOOK		

Operator with articulated arm

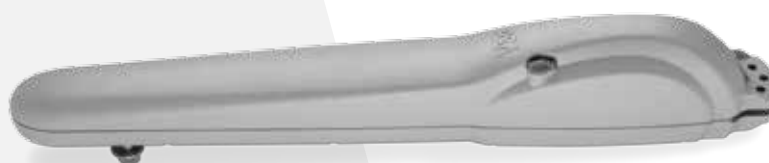
2,5m	250 kg	120°	24V	●	✓	✓	GEKO		71
2,3m	200 kg	120°	24V	●			ANGOLO		79
4,5m	400 kg	135°	230V	●	✓	art.560F	LIVI502		75
	300 kg	135°	24V	●●		art.560F	LIVI502		

Underground operators

3,5m	400 kg	107° (+ art.116G/N = 180°)	230V	●	✓	✓	GHOST100		83
		107° (+ art.116G/N = 180°)	24V	●●		✓	GHOST100		
4m	400 kg	107° (+ art.216 = 180°)	230V	●●	✓	art. 218	GHOST200		87
		107° (+ art.216= 180°)	24V	●●●		art. 218	GHOST200		

MAC/STING

Electromechanical automation for swing gates



MAC



STING



STING



MAC

MAC/STING

Electromechanical automation for swing gates



compatible with our Apps!



MAC/STING

230V AC operators without control board

MAC

COD.	Art.				OTHER CHARACTERISTICS
625010	MAC		334mm		• For leaves up to 3m length

STING unlocking device with key

COD.	Art.				OTHER CHARACTERISTICS
625050	STING		334mm		• For leaves up to 3m length
625052	STING/EN		334mm	✓	• With encoder, for leaves up to 3m

For MAC: fixing plate to be welded included

For STING: adjustable fixing plates to be screwed included (art. MAC/SFR)

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

24V DC operators without control board

MAC

COD.	Art.			OTHER CHARACTERISTICS
625040	MAC/24		334mm	• For leaves up to 3m length

STING unlocking device with key

COD.	Art.			OTHER CHARACTERISTICS
625051	STING/24		334mm	• For leaves up to 3m length

For MAC: fixing plate to be welded included

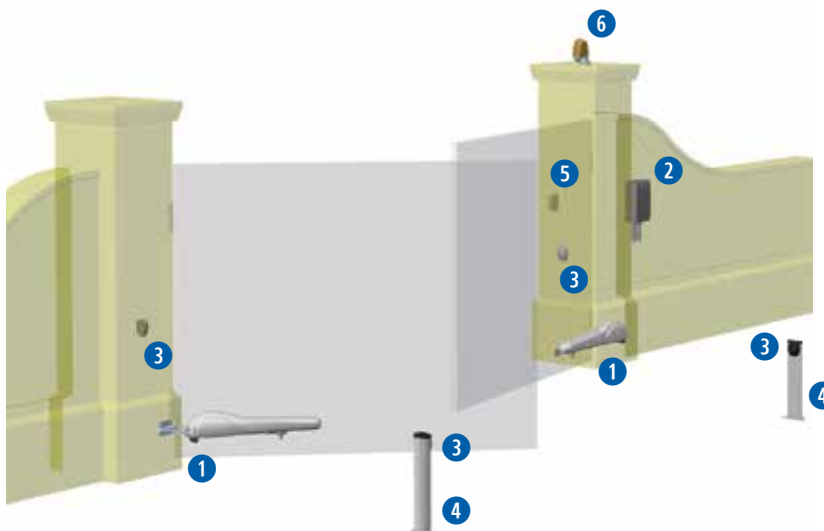
For STING: adjustable fixing plates to be screwed included (art. MLS/SFR)

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

TECHNICAL INFO	MAC - STING	STING/EN	MAC/24 - STING/24
Motor power supply (V)	230V AC $\pm 10\%$ (50/60 Hz)		24V DC
Maximum power absorption (W)	300		60
Max thrust (N)	1650		1000
Time with total stroke (s)*	21		22
Max rod speed (mm/s)*	16		15,5
Duty cycle (cycles/hours)	18	22	40
N. max cycles in 24h	90		
Built-in capacitor (μ F)	8		/
Operating temperature ($^{\circ}$ C)	-20 \div 50		
Motor thermal protection ($^{\circ}$ C)	150		/
Weight with packing (Kg)	8,8		
Protection level	IP24		

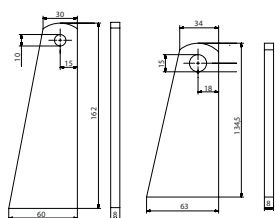
*the opening time of the leaf at 90° may be lower accordingly to the geometry of the installation

EXAMPLE OF A TYPICAL INSTALLATION



FIXING PLATES

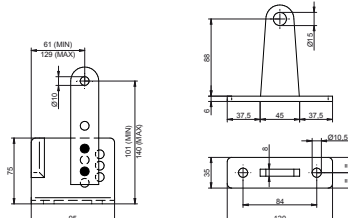
MAC



rear

front

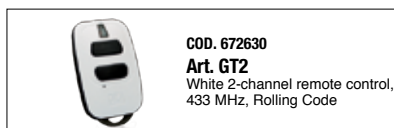
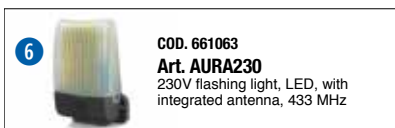
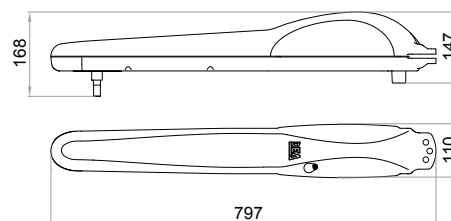
STING



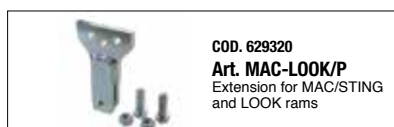
rear

front

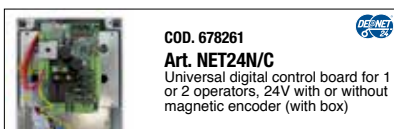
DIMENSIONS



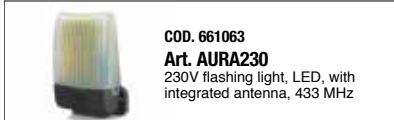
SPECIFIC ACCESSORIES



OTHER ACCESSORIES



COD. 678261
Art. NET24N/C
Universal digital control board for 1 or 2 operators, 24V with or without magnetic encoder (with box)



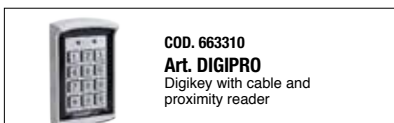
COD. 661063
Art. AURA230
230V flashing light, LED, with integrated antenna, 433 MHz



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



COD. 681060
Art. COVER
Vandal-proof aluminium cover for LINEAR and LINEAR/B photocells (2 pcs)



COD. 663310
Art. DIGIPRO
Digikey with cable and proximity reader



COD. 664020
Art. PILLY/BASE
Support to be cemented for column



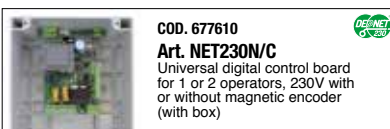
COD. 629290
Art. BAT
Rechargeable batteries kit for 24V operators, 12V - 1,2Ah, complete with wiring cables



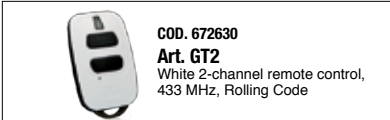
COD. 136006
Art. 110V
Empty electric lock (without European cylinder) with ground selvage



COD. 677640
Art. NET-NODE
Device for the control of installations in local mode. To be used with DE@Installer and DE@user Apps



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



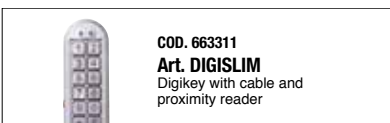
COD. 672630
Art. GT2
White 2-channel remote control, 433 MHz, Rolling Code



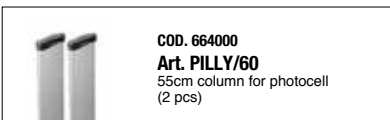
COD. 662044
Art. LINEAR
Pair of adjustable photocells (180°) with possibility of synchronized operating. Range 20m



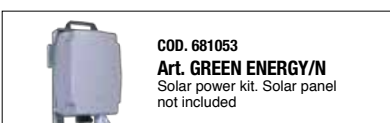
COD. 663090
Art. GT-KEY
Metal vandal proof keyswitch with two contacts, surface mounted. Supplied with 2 keys.



COD. 663311
Art. DIGISLIM
Digikey with cable and proximity reader



COD. 664000
Art. PILLY/60
55cm column for photocell (2 pcs)



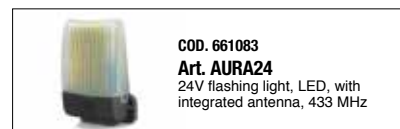
COD. 681053
Art. GREEN ENERGY/N
Solar power kit. Solar panel not included



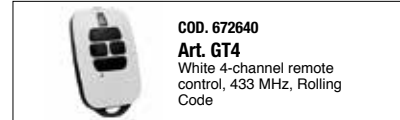
COD. 136005
Art. D
Double European cylinder



COD. 679112
Art. NET-BOX
Device for the control of installations in local or remote mode. To be used with DE@software



COD. 661083
Art. AURA24
24V flashing light, LED, with integrated antenna, 433 MHz



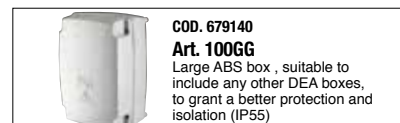
COD. 672640
Art. GT4
White 4-channel remote control, 433 MHz, Rolling Code



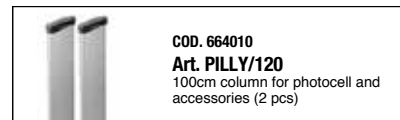
COD. 662043
Art. LINEAR/B
Pair of adjustable photocells (180°) with tx supplied by a Lion battery. Range 7/15m



COD. 663280
Art. DIGIRAD
Wireless keypad



COD. 679140
Art. 100GG
Large ABS box, suitable to include any other DEA boxes, to grant a better protection and isolation (IP55)



COD. 664010
Art. PILLY/120
100cm column for photocell and accessories (2 pcs)

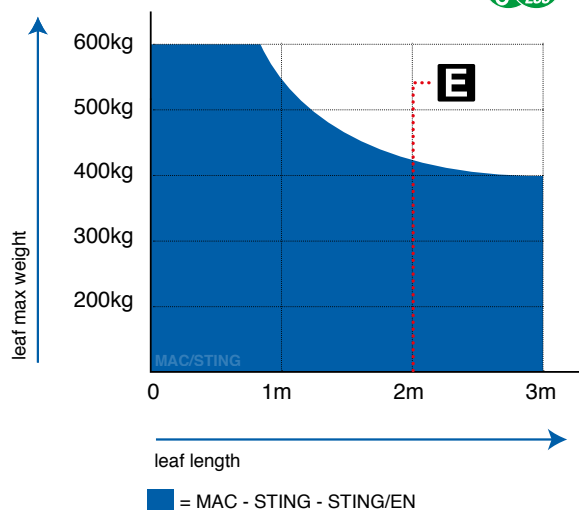


COD. 136024
Art. 1100
Horizontal electric lock complete with double cylinder and horizontal selvage

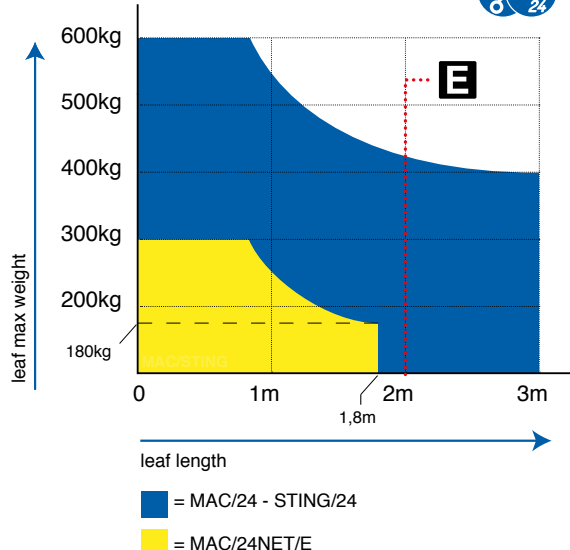


COD. 136004
Art. M
Half European cylinder

GUIDE TO USE



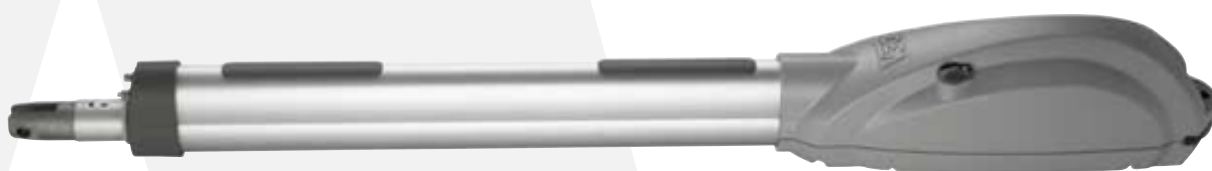
GUIDE TO USE



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.

LOOK

Electromechanical automation for swing gates





Electromechanical automation for swing gates



compatible with our Apps!

230V AC 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 DC 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

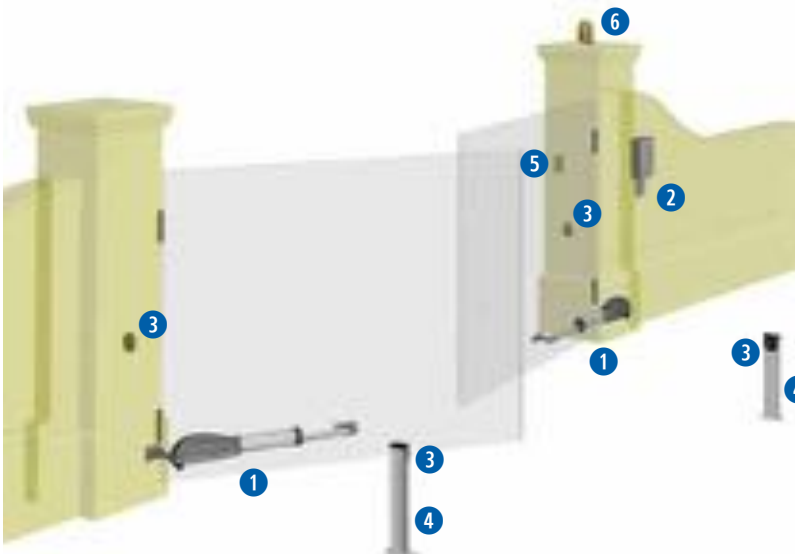


COD.	Art.		OTHER CHARACTERISTICS
629340	CS320	320mm	• Rod cover for ram: 320 mm stroke
629341	CS520	520mm	• Rod cover for ram: 520 mm stroke

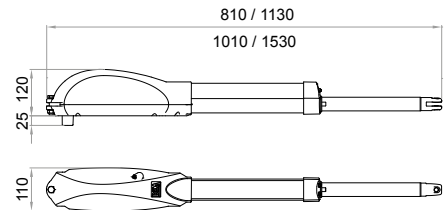
TECHNICAL INFO	351/SC - 351EN/SC	355/SC - 355EN/SC	371/SC - 372/SC	373/SC - 374/SC	371E/SC
Motor power supply (V)	230V AC ~ ± 10 % (50/60 Hz)		24V DC		
Maximum power absorption (W)	300		60		50
Max thrust (N)	1650		1000		500
Time with total stroke (s)*	20	33	21	34	15
Max rod speed (mm/s)*	16		15,5		21,5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

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

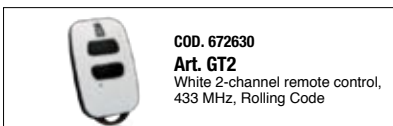
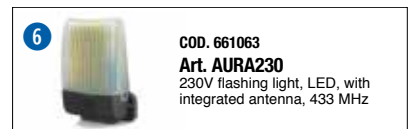
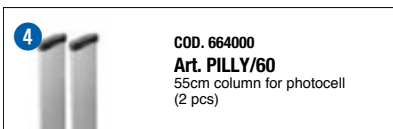
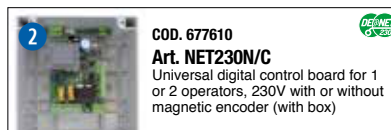
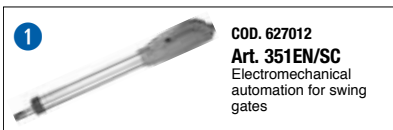
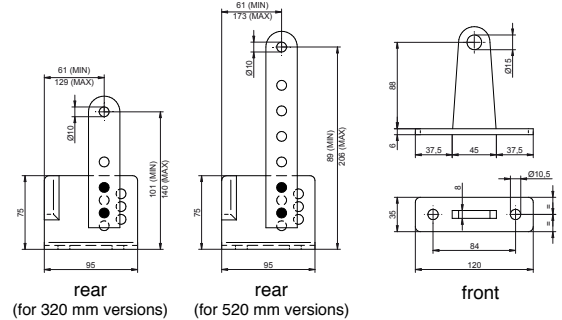
EXAMPLE OF A TYPICAL INSTALLATION



DIMENSIONS



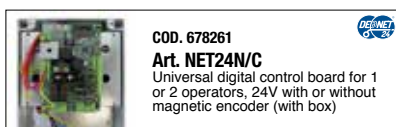
FIXING PLATES



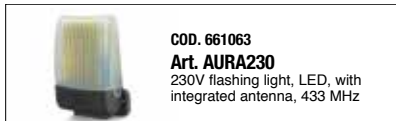
SPECIFIC ACCESSORIES



OTHER ACCESSORIES



COD. 678261
Art. NET24N/C
Universal digital control board for 1 or 2 operators, 24V with or without magnetic encoder (with box)



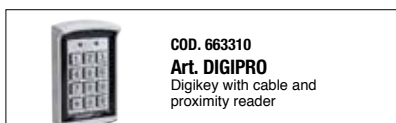
COD. 661063
Art. AURA230
230V flashing light, LED, with integrated antenna, 433 MHz



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



COD. 681060
Art. COVER
Vandal-proof aluminium cover for LINEAR and LINEAR/B photocells (2 pcs)



COD. 663310
Art. DIGIPRO
Digikey with cable and proximity reader



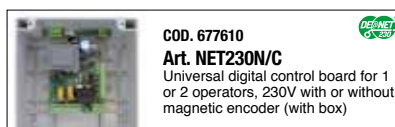
COD. 664020
Art. PILLY/BASE
Support to be cemented for column



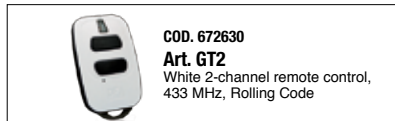
COD. 629290
Art. BAT
Rechargeable batteries kit for 24V operators, 12V - 1,2Ah, complete with wiring cables



COD. 136006
Art. 110V
Empty electric lock (without European cylinder) with ground selvage



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



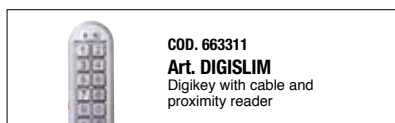
COD. 672630
Art. GT2
White 2-channel remote control, 433 MHz, Rolling Code



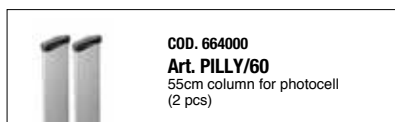
COD. 662044
Art. LINEAR
Pair of adjustable photocells (180°) with possibility of synchronized operating. Range 20m



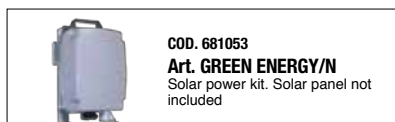
COD. 663090
Art. GT-KEY
Metal vandal proof keyswitch with two contacts, surface mounted. Supplied with 2 keys.



COD. 663311
Art. DIGISLIM
Digikey with cable and proximity reader



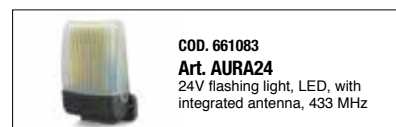
COD. 664000
Art. PILLY/60
55cm column for photocell (2 pcs)



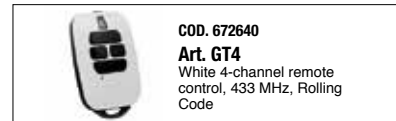
COD. 681053
Art. GREEN ENERGY/N
Solar power kit. Solar panel not included



COD. 136005
Art. D
Double European cylinder



COD. 661083
Art. AURA24
24V flashing light, LED, with integrated antenna, 433 MHz



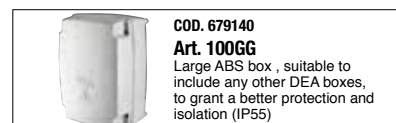
COD. 672640
Art. GT4
White 4-channel remote control, 433 MHz, Rolling Code



COD. 662043
Art. LINEAR/B
Pair of adjustable photocells (180°) with tx supplied by a Lion battery. Range 7/15m



COD. 663280
Art. DIGIRAD
Wireless keypad



COD. 679140
Art. 100GG
Large ABS box, suitable to include any other DEA boxes, to grant a better protection and isolation (IP55)



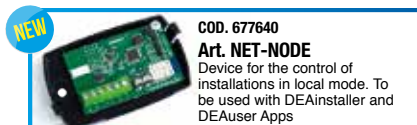
COD. 664010
Art. PILLY/120
100cm column for photocell and accessories (2 pcs)



COD. 136024
Art. 1100
Horizontal electric lock complete with double cylinder and horizontal selvage



COD. 136004
Art. M
Half European cylinder

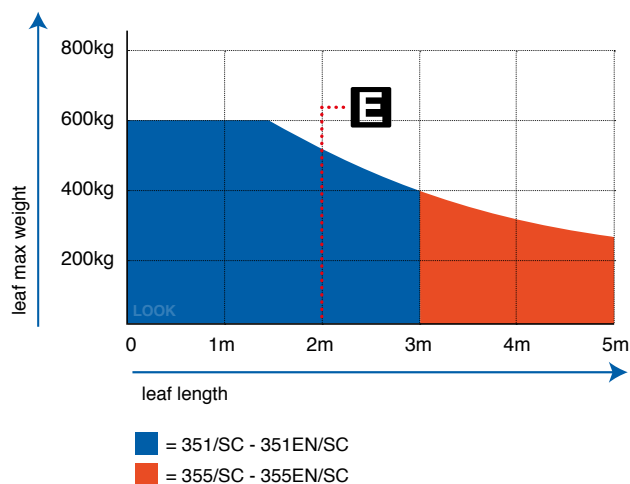


COD. 677640
Art. NET-NODE
Device for the control of installations in local mode. To be used with DEAINstaller and DEAUser Apps

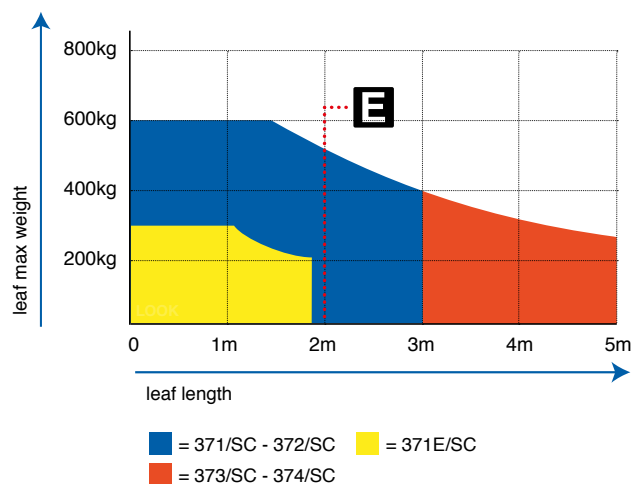


COD. 679112
Art. NET-BOX
Device for the control of installations in local or remote mode. To be used with DEASoftware

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.

OLIN

Hydraulic automation for swing gates



Hydraulic automation for swing gates



compatible with our Apps!



Hydraulic rams 230V AC without control board

Stroke 270mm

COD.	Art.				OTHER CHARACTERISTICS
624004	OLI 602N	● ● ●	C	270mm	• Self-locking in closed position only, for leaves up to 2m length
624054	OLI 602LN	● ● ●	C	270mm	• Self-locking in closed position only, slow version, for leaves up to 2,5m length
624013	OLI 603N	● ● ●		270mm	• Self-locking in open and closed position, for leaves up to 2m length
624063	OLI 603LN	● ● ●		270mm	• Self-locking in open and closed 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

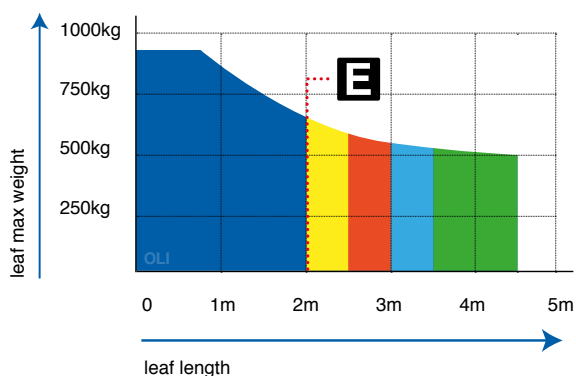
All models: fixing plates to be welded included (art.0/353-0/653)

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.

TECHNICAL INFO	OLI 602N - OLI 603N - OLI 604N	OLI 605N - OLI 606N	OLI 602LN - OLI 603LN - OLI 604LN	OLI 605LN - OLI 606LN
Motor power supply (V)	230V AC ~ ± 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
N. max cycles in 24h.	480		400	320
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
Protection level	IP55			

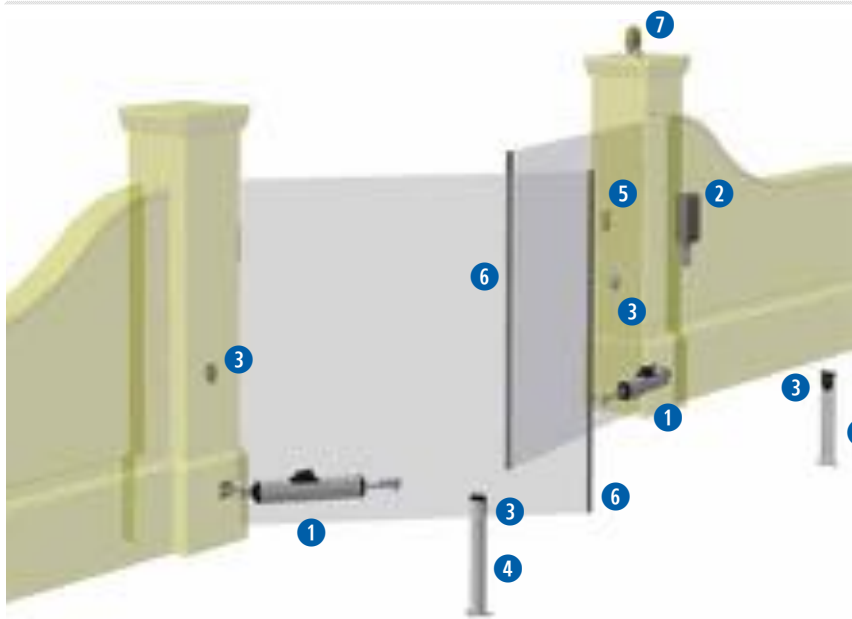
GUIDE TO USE



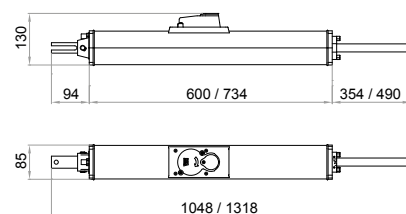
- = 602N - 603N
- = 602LN - 603LN - 604N - 605N
- = 604LN - 605LN
- = 606N
- = 606LN

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.

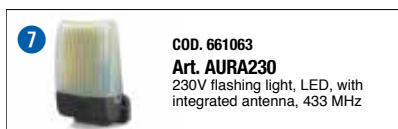
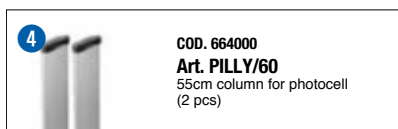
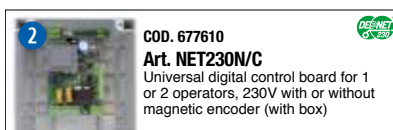
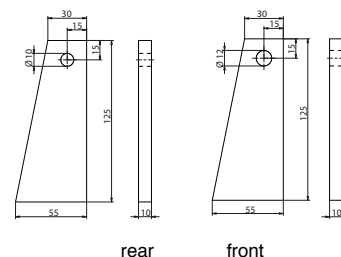
EXAMPLE OF A TYPICAL INSTALLATION



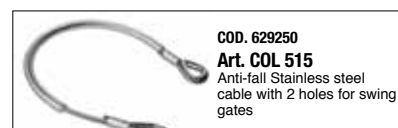
DIMENSIONS



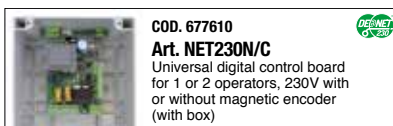
FIXING PLATES



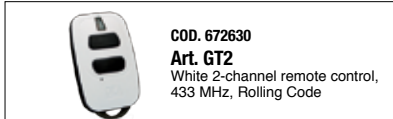
SPECIFIC ACCESSORIES



OTHER ACCESSORIES



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



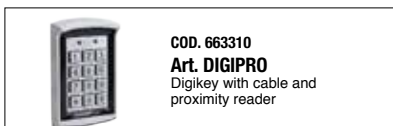
COD. 672630
Art. GT2
White 2-channel remote control, 433 MHz, Rolling Code



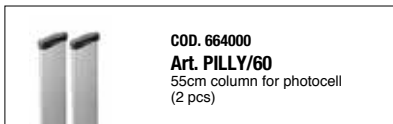
COD. 662044
Art. LINEAR
Pair of adjustable photocells (180°) with possibility of synchronized operating. Range 20m



COD. 681060
Art. COVER
Vandal-proof aluminium cover for LINEAR and LINEAR/B photocells (2 pcs)



COD. 663310
Art. DIGIPRO
Digikey with cable and proximity reader



COD. 664000
Art. PILLY/60
55cm column for photocell (2 pcs)



COD. 679210
Art. STEELBOX
Painted steel box with key lock



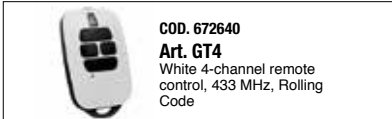
COD. 136005
Art. D
Double European cylinder



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



COD. 677611
Art. NET230N/PROBOX
NET230 control board mounted on plate with cable holders and DIN rail to use on art. STEELBOX



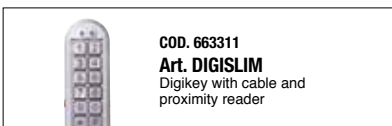
COD. 672640
Art. GT4
White 4-channel remote control, 433 MHz, Rolling Code



COD. 662043
Art. LINEAR/B
Pair of adjustable photocells (180°) with tx supplied by a Lion battery. Range 7/15m



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



COD. 663311
Art. DIGISLIM
Digikey with cable and proximity reader



COD. 664010
Art. PILLY/120
100cm column for photocell and accessories (2 pcs)



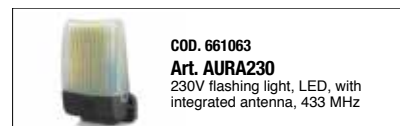
COD. 136024
Art. 1100
Horizontal electric lock complete with double cylinder and horizontal selvage



COD. 136004
Art. M
Half European cylinder



COD. 677640
Art. NET-NODE
Device for the control of installations in local mode. To be used with DEAIstaller and DEAUser Apps



COD. 661063
Art. AURA230
230V flashing light, LED, with integrated antenna, 433 MHz



COD. 662080
Art. LINEAR/XS
Pair of adjustable photocells for outdoor installation. Maximum range 20m



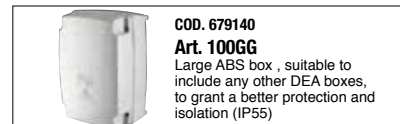
COD. 662047
Art. LINEAR/SHIELD
Pair of adjustable photocells LINEAR with vandal-proof aluminium cover art. COVER



COD. 663280
Art. DIGIRAD
Wireless keypad



COD. 664020
Art. PILLY/BASE
Support to be cemented for column



COD. 679140
Art. 100GG
Large ABS box, suitable to include any other DEA boxes, to grant a better protection and isolation (IP55)



COD. 136006
Art. 110V
Empty electric lock (without European cylinder) with ground selvage



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



COD. 679112
Art. NET-BOX
Device for the control of installations in local or remote mode. To be used with DEASoftware



GEKO

Electromechanical automation for swing gates





compatible with our Apps!



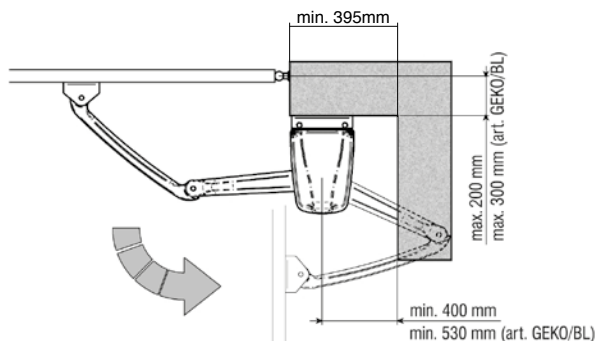
24V DC operators with control board and encoder, without arm

COD.	Art.				OTHER CHARACTERISTICS
628000	GEKO		✓	NET24N	<ul style="list-style-type: none"> 1 operator Mechanical stops Speed adjustment and slow down in opening and closing
628010	GEKO/2		✓	NET24N	<ul style="list-style-type: none"> 2 operators / 1 control board Mechanical stops Speed adjustment and slow down in opening and closing

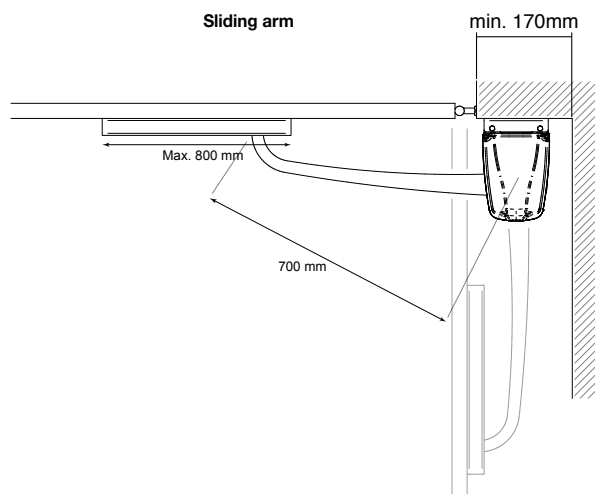
All models have: arm not included. N.1 control board NET24N, mounting plate and limit switches included.

DIMENSIONS WITH ARMS

Articulated arm



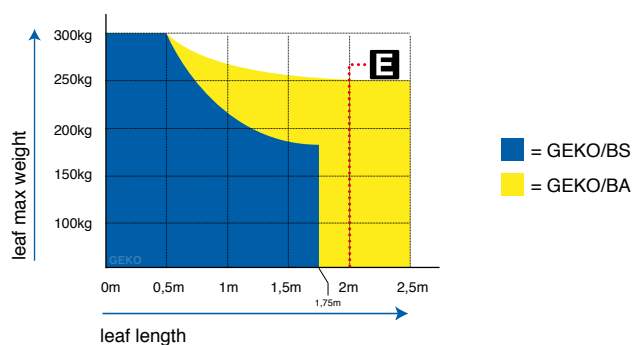
Sliding arm



Refer to instructions manual for installation dimensions

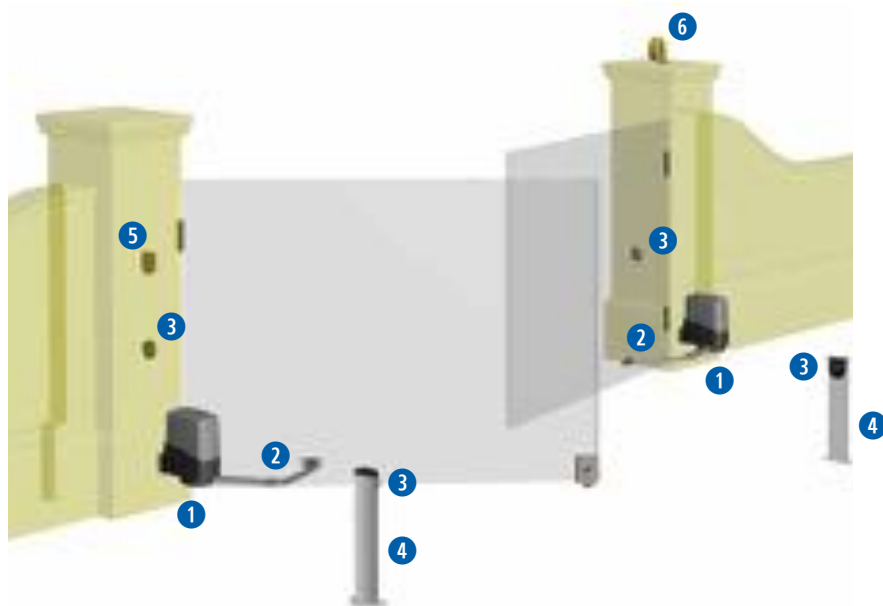
TECHNICAL INFO	GEKO
Motor power supply (V)	24V DC
Maximum power absorption (W)	80
Max torque (Nm)	180
Duty cycle (cycles/hours)	20
N. max cycles in 24h.	60
Operating temperature (°C)	-20 ÷ 50
90° Opening time (s)	16
Weight with packing (Kg)	12
Protection level	IP44

GUIDE TO USE

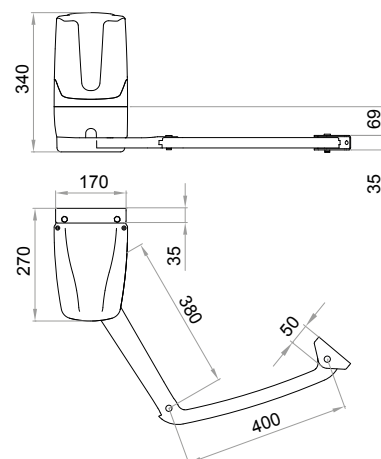


If the leaf length is bigger than 2m or if you use reversible models you must install the electric-lock to block the gate in closed position. The height and the leaf structure, as well as the presence of strong wind, can cause the reduction of the value of the data contained in table or make it necessary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

EXAMPLE OF A TYPICAL INSTALLATION



DIMENSIONS (with arm art. GEKO/BA)



1



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

2



COD. 629260
Art. GEKO/BA
Aluminium articulated arm

3



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

4



COD. 664000
Art. PILLY/60
55cm column for photocell
(2 pcs)

5



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

6



COD. 661083
Art. AURA24
24V flashing light, LED, with
integrated antenna, 433 MHz



COD. 672630
Art. GT2
White 2-channel remote control,
433 MHz, Rolling Code



COD. 668010
Art. 127
Warning sign

SPECIFIC ACCESSORIES



COD. 629260
Art. GEKO/BA
Aluminium articulated arm



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



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



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



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



COD. 629280
Art. GEKO/SF
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

OTHER ACCESSORIES



COD. 661083
Art. AURA24
24V flashing light, LED, with integrated antenna, 433 MHz



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



COD. 681060
Art. COVER
Vandal-proof aluminium cover for LINEAR and LINEAR/B photocells (2 pcs)



COD. 663310
Art. DIGIPRO
Digikey with cable and proximity reader



COD. 664000
Art. PILLY/60
55cm column for photocell (2 pcs)



COD. 681053
Art. GREEN ENERGY/N
Solar power kit. Solar panel not included



COD. 136005
Art. D
Double European cylinder



COD. 672630
Art. GT2
White 2-channel remote control, 433 MHz, Rolling Code



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



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



COD. 663311
Art. DIGISLIM
Digikey with cable and proximity reader



COD. 664010
Art. PILLY/120
100cm column for photocell and accessories (2 pcs)



COD. 136024
Art. 1100
Horizontal electric lock complete with double cylinder and horizontal selva



COD. 136004
Art. M
Half European cylinder



COD. 672640
Art. GT4
White 4-channel remote control, 433 MHz, Rolling Code



COD. 662043
Art. LINEAR/B
Pair of adjustable photocells (180°) with tx supplied by a Lion battery. Range 7/15m



COD. 663280
Art. DIGIRAD
Wireless keypad



COD. 664020
Art. PILLY/BASE
Support to be cemented for column



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



COD. 136006
Art. 110V
Empty electric lock (without European cylinder) with ground selva



COD. 677640
Art. NET-NODE
Device for the control of installations in local mode. To be used with DEInstaller and DEAuser Apps

NEW



COD. 679112
Art. NET-BOX
Device for the control of installations in local or remote mode. To be used with DEAssoftware



LIVI 502

Electromechanical automation for swing gates



LIVI 502

Electromechanical automation for swing gates





compatible with our Apps!



LIVI 502



230V AC 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 DC 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)

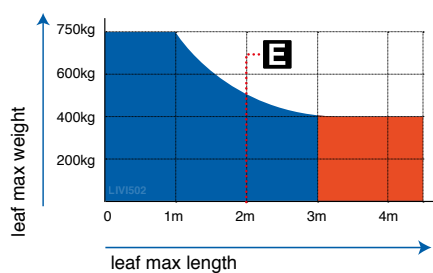
TECHNICAL INFO	502 - 502EN	502L	502/24
Motor power supply (V)	230V AC ~ ± 10 % (50/60 Hz)		24V DC
Maximum power absorption (W)	300		80
Max torque (Nm)	295	260	180
Duty cycle (cycles/hours)	22 -25 (vers. 502EN)	22	35
N. max cycles in 24h.	110		140
Built-in capacitor (µF)	8		/
Operating temperature (°C)	-20 ÷ 50		
Motor thermal protection (°C)	150		/
90° Opening time (s)	12	18	10
Weight with packing (Kg)	13,5		13,2
Protection level	IP44		

GUIDE TO USE

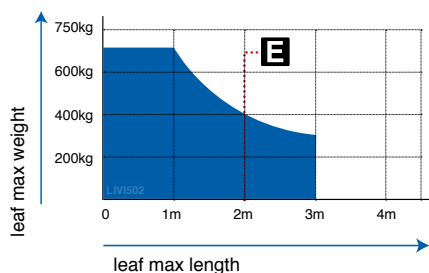
ARTICULATED ARM



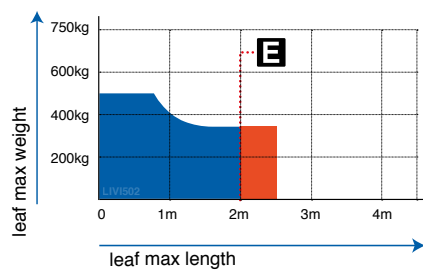
SLIDING ARM



■ = 502
■ = 502L - 502EN



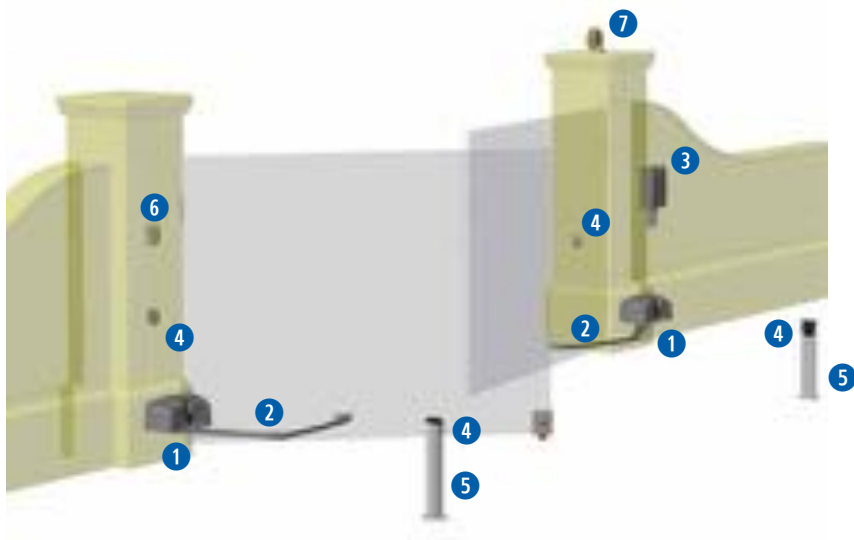
■ = 502/24



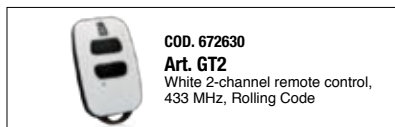
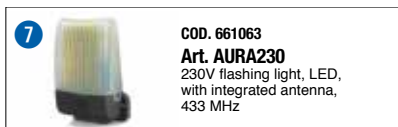
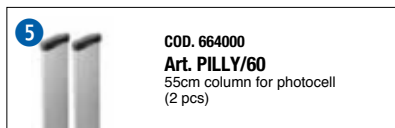
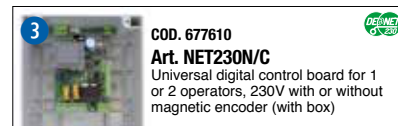
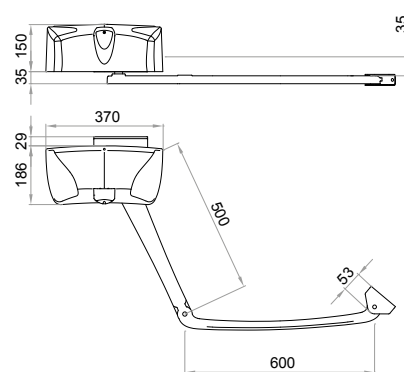
■ = 502 - 502/24
■ = 502L - 502EN

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.












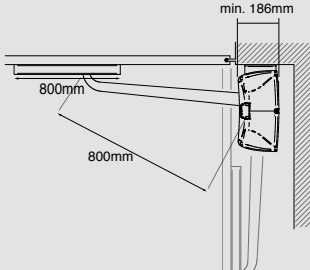
EXAMPLE OF A TYPICAL INSTALLATION



DIMENSIONS (with arms 560A)



SPECIFIC ACCESSORIES

 <p>COD. 380960 Art. 560P Vertical fixing plate (fastening of operator perpendicularly to the gate)</p>	 <p>COD. 629100 Art. 560M External unlocking device by cable (4,5m). To be used with BLINDOS</p>	 <p>COD. 665000 Art. BLINDOS Aluminium safety enclosure, with European cylinder, ready for unlocking device by cable.</p>	
 <p>COD. 629350 Art. KIT CLIMB Adapter set for doors on slopes (for doors up to 2m - 150 kg; max gradient 12%)</p>	 <p>COD. 629250 Art. COL 515 Anti-fall Stainless steel cable with 2 holes for swing gates</p>	 <p>COD. 639111 Art. 560F - 960F Limit switches set</p>	
 <p>COD. 629330 Art. SD502 Junction box</p>			
 <p>COD. 629130 Art. 560A Aluminium articulated arm</p>	 <p>COD. 629140 Art. 560BV Painted galvanized steel articulated arm</p>	<div data-bbox="823 560 1149 663">  <p>COD. 629110 Art. 560BD Galvanized steel rail sliding arm, right side (L. 800 mm)</p> </div> <div data-bbox="1165 560 1490 663">  <p>COD. 629120 Art. 560BS Galvanized steel rail sliding arm, left side (L. 800 mm)</p> </div>  <p>For installation dimensions refer to instructions manuals</p>	

OTHER ACCESSORIES

 <p>COD. 678261 Art. NET24N/C Universal digital control board for 1 or 2 operators, 24V with or without magnetic encoder (with box)</p>	 <p>COD. 677610 Art. NET230N/C Universal digital control board for 1 or 2 operators, 230V with or without magnetic encoder (with box)</p>	 <p>COD. 661083 Art. AURA24 24V flashing light, LED, with integrated antenna, 433 MHz</p>
 <p>COD. 661063 Art. AURA230 230V flashing light, LED, with integrated antenna, 433 MHz</p>	 <p>COD. 672630 Art. GT2 White 2-channel remote control, 433 MHz, Rolling Code</p>	 <p>COD. 672640 Art. GT4 White 4-channel remote control, 433 MHz, Rolling Code</p>
 <p>COD. 662080 Art. LINEAR/XS Pair of mini photocells for outdoor installation. Maximum range 20m</p>	 <p>COD. 662044 Art. LINEAR Pair of adjustable photocells (180°) with possibility of synchronized operating. Range 20m</p>	 <p>COD. 662043 Art. LINEAR/B Pair of adjustable photocells (180°) with tx supplied by a Lion battery. Range 7/15m</p>
 <p>COD. 681060 Art. COVER Vandal-proof aluminium cover for LINEAR and LINEAR/B photocells (2 pcs)</p>	 <p>COD. 663090 Art. GT-KEY Metal vandal proof keyswitch with two contacts, surface mounted. Supplied with 2 keys.</p>	 <p>COD. 663280 Art. DIGIRAD Wireless keypad</p>
 <p>COD. 663310 Art. DIGIPRO Digikey with cable and proximity reader</p>	 <p>COD. 663311 Art. DIGISLIM Digikey with cable and proximity reader</p>	 <p>COD. 679140 Art. 100GG Large ABS box, suitable to include any other DEA boxes, to grant a better protection and isolation (IP55)</p>
 <p>COD. 664020 Art. PILLY/BASE Support to be cemented for column</p>	 <p>COD. 664000 Art. PILLY/60 55cm column for photocell (2 pcs)</p>	 <p>COD. 664010 Art. PILLY/120 100cm column for photocell and accessories (2 pcs)</p>
 <p>COD. 629290 Art. BAT Rechargeable batteries kit for 24V operators, 12V - 1,2Ah, complete with wiring cables</p>	 <p>COD. 681053 Art. GREEN ENERGY/N Solar power kit. Solar panel not included</p>	 <p>COD. 136024 Art. 1100 Horizontal electric lock complete with double cylinder and horizontal selva</p>
 <p>COD. 136006 Art. 110V Empty electric lock (without European cylinder) with ground selva</p>	<p>NEW</p>  <p>COD. 677640 Art. NET-NODE Device for the control of installations in local mode. To be used with DEAINSTALLER and DEAAUSER Apps</p>	
<p>NEW</p>  <p>COD. 679112 Art. NET-BOX Device for the control of installations in local or remote mode. To be used with DEASOFTWARE</p>		

ANGOLO

Electromechanical automation for swing gates





compatible with our Apps!

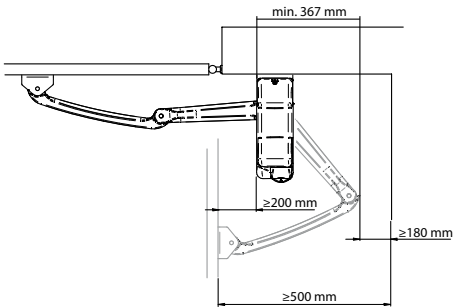


24V DC operators with control board, without arm

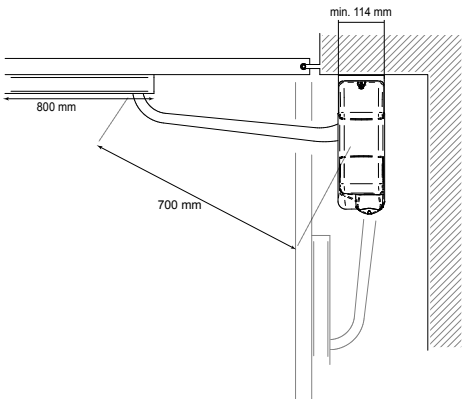
COD.	Art.			OTHER CHARACTERISTICS
626300	ANGOLO- 24NET/1		NET24N	<ul style="list-style-type: none">• 1 operator• Anti-crushing safety device• Speed adjustment and slow down in opening and closing
626310	ANGOLO- 24NET/2		NET24N	<ul style="list-style-type: none">• 2 operators / 1 control board• Anti-crushing safety device• Speed adjustment and slow down in opening and closing

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

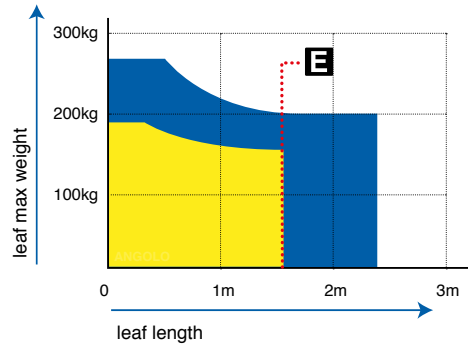
DIMENSIONS WITH ARMS



Refer to instructions manual for installation dimensions



GUIDE TO USE

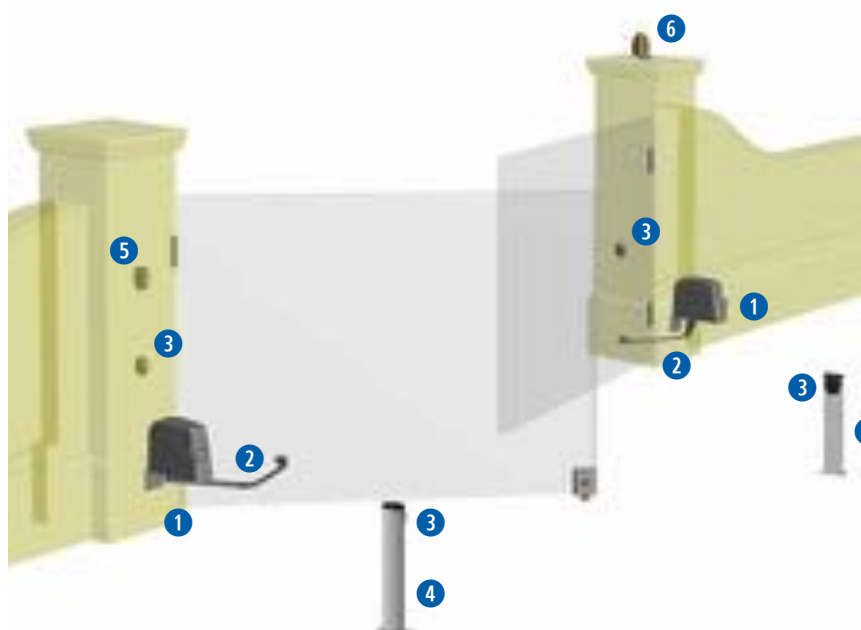


If the leaf length is bigger than 1,5 meters or if you use reversible models you must install the electric-lock to block the gate in closed position. The height and the leaf structure, as well as the presence of strong wind, can cause the reduction of the value of the data contained in table.

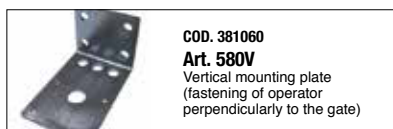
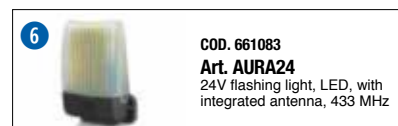
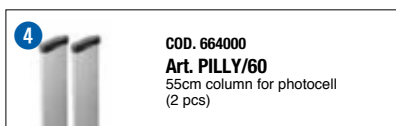
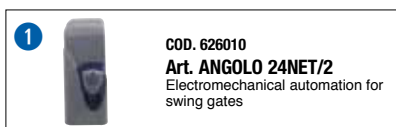
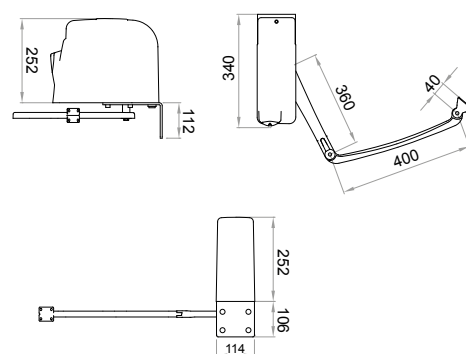
- = GEKO/BS
- = GEKO/BA

TECHNICAL INFO	ANGOLO 24NET
Motor power supply (V)	24V DC
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
Protection level	IP44

EXAMPLE OF A TYPICAL INSTALLATION



DIMENSIONS (with arms GEKO/BA)



SPECIFIC ACCESSORIES




COD. 629260
Art. GEKO/BA
Aluminium articulated arm




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



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



COD. 629261
Art. GEKO/BS
Braccio a slitta in ferro verniciato



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



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



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

OTHER ACCESSORIES



COD. 661083
Art. AURA24
24V flashing light, LED, with integrated antenna, 433 MHz



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



COD. 681060
Art. COVER
Vandal-proof aluminium cover for LINEAR and LINEAR/B photocells (2 pcs)



COD. 663310
Art. DIGIPRO
Digikey with cable and proximity reader



COD. 664020
Art. PILLY/BASE
Support to be cemented for column



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



COD. 136005
Art. D
Double European cylinder



COD. 679112
Art. NET-BOX
Device for the control of installations in local or remote mode. To be used with DEASoftware



COD. 672630
Art. GT2
White 2-channel remote control, 433 MHz, Rolling Code



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



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



COD. 663311
Art. DIGISLIM
Digikey with cable and proximity reader



COD. 664000
Art. PILLY/60
55cm column for photocell (2 pcs)



COD. 136024
Art. 1100
Horizontal electric lock complete with double cylinder and horizontal selvage



COD. 136004
Art. M
Half European cylinder



COD. 672640
Art. GT4
White 4-channel remote control, 433 MHz, Rolling Code



COD. 662043
Art. LINEAR/B
Pair of adjustable photocells (180°) with tx supplied by a Lion battery. Range 7/15m



COD. 663280
Art. DIGIRAD
Wireless keypad



COD. 681053
Art. GREEN ENERGY/N
Solar power kit. Solar panel not included



COD. 664010
Art. PILLY/120
100cm column for photocell and accessories (2 pcs)



COD. 136006
Art. 110V
Empty electric lock (without European cylinder) with ground selvage



COD. 677640
Art. NET-NODE
Device for the control of installations in local mode. To be used with DEAIInstaller and DEASUser Apps



GHOST 100

Electromechanical automation for swing gates



GHOST 100

Electromechanical underground automation for swing gates



compatible with our Apps!



GHOST 100

230V AC operators without control board, with mechanical stops

COD.	Art.			OTHER CHARACTERISTICS
621250	100			• Underground operator with connection lever and mechanical stops
621251	100/EN		✓	• Underground operator with connection lever, mechanical stops and encoder
621252	100/CL			• Underground operator with connection lever, mechanical stops and complete with 7m of cable
621253	100EN/CL		✓	• Underground operator with connection lever, mechanical stops, encoder and complete with 7m of cable

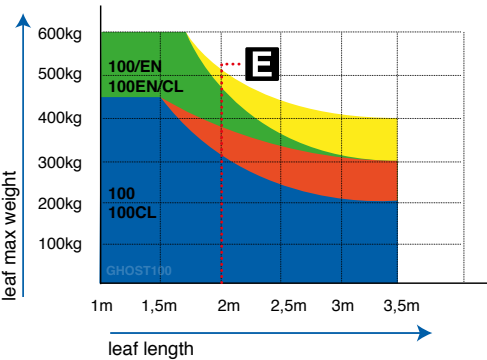
All models: foundation box not included. Mechanical limit switches included.
Control board to complete the installation: control board cod. 677610 art. NET230N/C (with box)

24V DC operators without control board, with mechanical stops

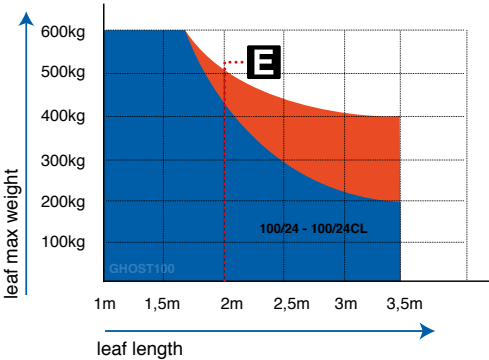
COD.	Art.		OTHER CHARACTERISTICS
621260	100/24		• Underground operator with connection lever and mechanical stops
621262	100/24CL		• Underground operator with connection lever, mechanical stops, encoder and complete with 7m of cable

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)

GUIDE TO USE



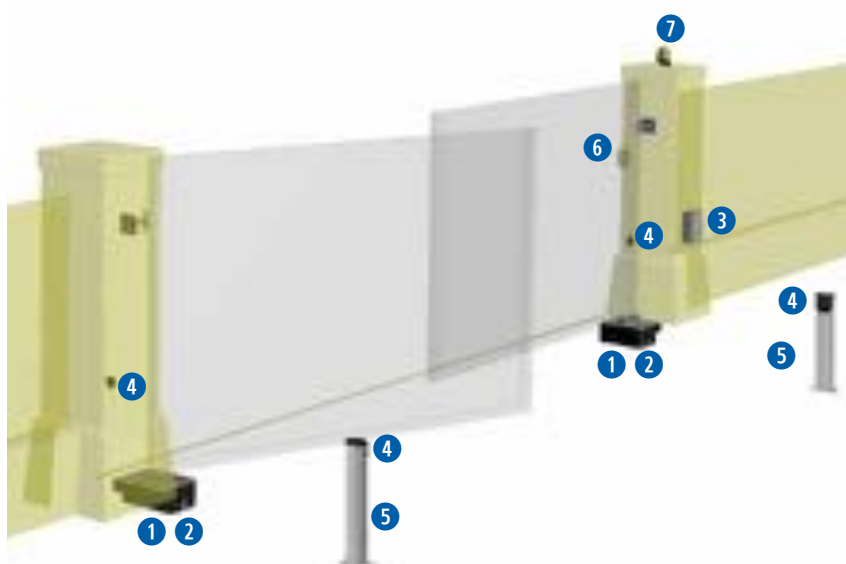
- = models with encoder and mechanical limit switches incorporated in the operator
- = models with encoder and mechanical stops on the ground
- = models with mechanical limit switches incorporated in the operator
- = models with mechanical stop on the ground



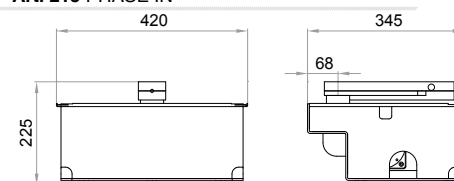
If the leaf length is bigger than 2m or if you use reversible models you must install the electric-lock to block the gate in closed position. The height and the leaf structure, as well as the presence of strong wind, can cause the reduction of the value of the data contained in table or make it necessary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

TECHNICAL INFO	100 - 100/CL - 100/EN - 100EN/CL	100/24 - 100/24CL
Motor power supply (V)	230V AC $\sim \pm 10\%$ (50/60 Hz)	24V DC
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 ($^{\circ}\text{C}$)	$-20 \div 50$	
Motor thermal protection ($^{\circ}\text{C}$)	150	/
90° Opening time (s)	16	14
Weight with packing (Kg)	11	
Protection level	IP67	

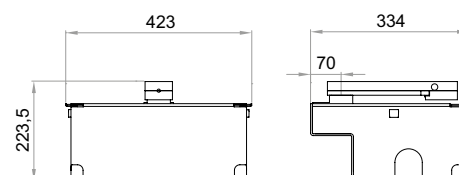
EXAMPLE OF A TYPICAL INSTALLATION



Art. 215 PHASE IN DIMENSIONS



Art. 115 PHASE OUT



COD. 621251
Art. 100/EN
Electromechanical underground operator for swing gates



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



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



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



COD. 664000
Art. PILLY/60
55cm column for photocell (2 pcs)



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



COD. 661063
Art. AURA230
230V flashing light, LED, with integrated antenna, 433 MHz



COD. 672630
Art. GT2
White 2-channel remote control, 433 MHz, Rolling Code




COD. 668010
Art. 127
Warning sign

*Available from Q2 2018


SPECIFIC ACCESSORIES

PHASE OUT




COD. 629003
Art. 115
Foundation box with cataphoresis treatment complete with gate support and unlocking device

PHASE IN




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

PHASE IN




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

PHASE OUT




COD. 629013
Art. 115I
Stainless steel foundation box complete with unlocking mechanism

PHASE IN




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

PHASE IN




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

PHASE OUT



COD. 629021
Art. 116G
Device to be fixed to art. 115 e art. 115I to obtain an opening angle of 180°

PHASE IN



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

* Compatible with GHOST 100 range from Q2 2018

OTHER ACCESSORIES

PHASE IN



COD. 678261
Art. NET24N/C
Universal digital control board for 1 or 2 operators, 24V with or without magnetic encoder (with box)

PHASE IN



COD. 661063
Art. AURA230
230V flashing light, LED, with integrated antenna, 433 MHz

PHASE IN



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

PHASE IN



COD. 681060
Art. COVER
Vandal-proof aluminium cover for LINEAR and LINEAR/B photocells (2 pcs)

PHASE IN



COD. 663310
Art. DIGIPRO
Digikey with cable and proximity reader

PHASE IN



COD. 664020
Art. PILLY/BASE
Support to be cemented for column

PHASE IN



COD. 629290
Art. BAT
Rechargeable batteries kit for 24V operators, 12V - 1.2Ah, complete with wiring cables

PHASE IN



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

PHASE IN



COD. 672630
Art. GT2
White 2-channel remote control, 433 MHz, Rolling Code

PHASE IN



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

PHASE IN



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

PHASE IN



COD. 663311
Art. DIGISLIM
Digikey with cable and proximity reader

PHASE IN



COD. 664000
Art. PILLY/60
55cm column for photocell (2 pcs)

PHASE IN



COD. 677640
Art. NET-NODE
Device for the control of installations in local mode. To be used with DEAINstaller and DEAusser Apps

PHASE IN



COD. 661083
Art. AURA24
24V flashing light, LED, with integrated antenna, 433 MHz

PHASE IN



COD. 672640
Art. GT4
White 4-channel remote control, 433 MHz, Rolling Code

PHASE IN



COD. 662043
Art. LINEAR/B
Pair of adjustable photocells (180°) with tx supplied by a Lion battery. Range 7/15m

PHASE IN



COD. 663280
Art. DIGIRAD
Wireless keypad

PHASE IN



COD. 681053
Art. GREEN ENERGY/N
Solar power kit. Solar panel not included

PHASE IN



COD. 664010
Art. PILLY/120
100cm column for photocell and accessories (2 pcs)

PHASE IN



COD. 679112
Art. NET-BOX
Device for the control of installations in local or remote mode. To be used with DEASoftware



GHOST 200

Electromechanical underground automation for
swing gates



GHOST 200

Electromechanical underground automation for swing gates





compatible with our Apps!



GHOST 200


230V AC operators without control board

COD.	Art.			OTHER CHARACTERISTICS
621000	200	●●		• Underground operator with connection lever
621040	200CL	●●		• Underground operator with connection lever and complete with 8m of cable
621010	200L	●●		• Underground operator with connection lever, slow version

All models: foundation box and limit switches not included.

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

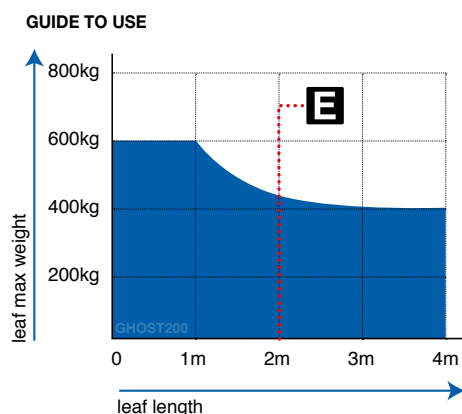
24V DC operators without control board

COD.	Art.		OTHER CHARACTERISTICS
621020	200/24	●●●	• Underground operator with connection lever
621050	200/24CL	●●●	• Underground operator with connection lever and complete with 8m of cable

All models: foundation box and limit switches not included.

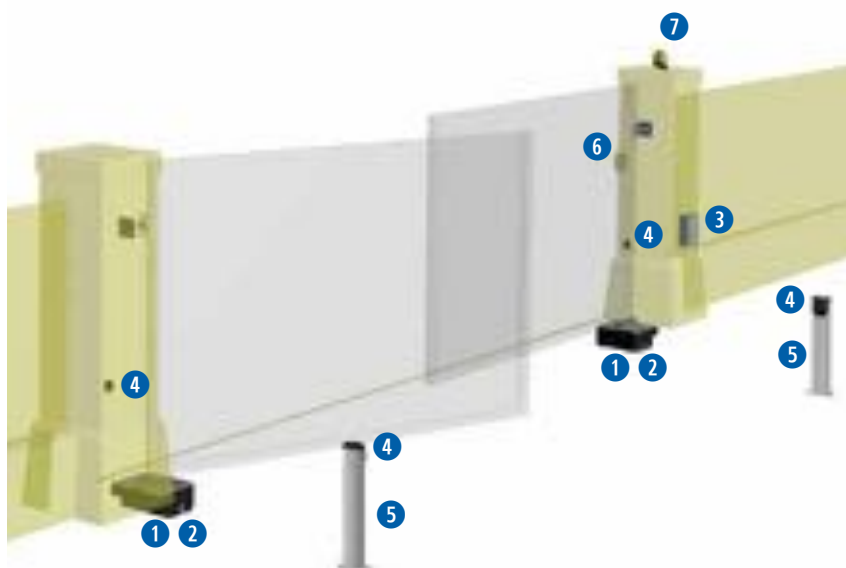
Control board to complete the installation: control board cod. 678261 art. NET24N/C (with box)

TECHNICAL INFO	200 - 200CL	200L	200/24 200/24CL
Motor power supply (V)	230V AC $\sim \pm 10\%$ (50/60 Hz)		24V DC
Maximum power absorption (W)	400	330	150
Max torque (Nm)	320	300	210
Duty cycle (cycles/hours)	20 - 28 (vers. 200/EN)	18	40
N. max cycles in 24h.	200		280
Built-in capacitor (μ F)	12,5		/
Operating temperature ($^{\circ}$ C)	$-20 \div 50$		
Motor thermal protection ($^{\circ}$ C)	150		/
90° Opening time (s)	17	26	16
Weight with packing (Kg)	14,5		14
Protection level	IP67		

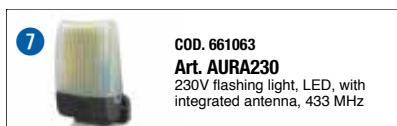
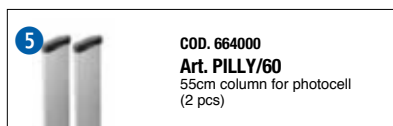
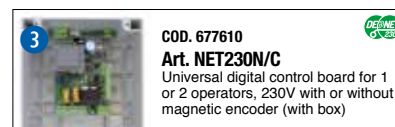
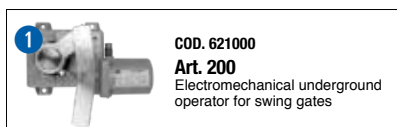
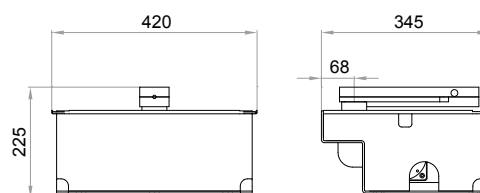


If the leaf length is bigger than 2m or if you use reversible models you must install the electric-lock to block the gate in closed position. The height and the leaf structure, as well as the presence of strong wind, can cause the reduction of the value of the data contained in table or make it necessary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

EXAMPLE OF A TYPICAL INSTALLATION



DIMENSIONS



SPECIFIC ACCESSORIES



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



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



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



COD. 629030
Art. 218
Mechanical limit switches

OTHER ACCESSORIES



COD. 678261
Art. NET24N/C
Universal digital control board for 1 or 2 operators, 24V with or without magnetic encoder (with box)



COD. 661063
Art. AURA230
230V flashing light, LED, with integrated antenna, 433 MHz



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



COD. 681060
Art. COVER
Vandal-proof aluminium cover for LINEAR and LINEAR/B photocells (2 pcs)



COD. 663310
Art. DIGIPRO
Digikey with cable and proximity reader



COD. 664020
Art. PILLY/BASE
Support to be cemented for column



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



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



COD. 672630
Art. GT2
White 2-channel remote control, 433 MHz, Rolling Code



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



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



COD. 663311
Art. DIGISLIM
Digikey with cable and proximity reader



COD. 664000
Art. PILLY/60
55cm column for photocell (2 pcs)

NEW



COD. 677640
Art. NET-NODE
Device for the control of installations in local mode. To be used with DEAIInstaller and DEAUser Apps



COD. 661083
Art. AURA24
24V flashing light, LED, with integrated antenna, 433 MHz



COD. 672640
Art. GT4
White 4-channel remote control, 433 MHz, Rolling Code



COD. 662043
Art. LINEAR/B
Pair of adjustable photocells (180°) with tx supplied by a Lion battery. Range 7/15m



COD. 663280
Art. DIGIRAD
Wireless keypad



COD. 681053
Art. GREEN ENERGY/N
Solar power kit. Solar panel not included



COD. 664010
Art. PILLY/120
100cm column for photocell and accessories (2 pcs)

NEW



COD. 679112
Art. NET-BOX
Device for the control of installations in local or remote mode. To be used with DEASoftware



COUNTERWEIGHT DOORS

Choose the operator suitable for your counterweight:











LIVI 902

- 1 operator up to 9m² - 2 operators over 9m²
- 230V
- Semi-intensive use
- Available version with push button on the cover

SELECTION GUIDE

Choose the garage door size in square meters

     								
< 9m ²	X 1	230V	• •	✓	✓	905NET/BF		92
			• •		✓	902EN/BF		
> 9m ²	X 2	230V	• •	✓	✓	905NET/BF		
			• •		✓	902EN/BF		

LIVI 902

**Electromechanical automation for counterweight
overhead doors**



LIVI 902

Electromechanical automation for counterweight overhead doors



compatible with our Apps!



230V AC operators with control board, without fixing plate

COD.	Art.					OTHER CHARACTERISTICS
633412	905NET/BF	●●	NET230N	1.400	✓	<ul style="list-style-type: none"> To place external unlocking device handle Magnetic encoder
633413	905NETP/BF	●●	NET230N	1.400	✓	<ul style="list-style-type: none"> Integrated push-button. Designed for unlocking device by cable Magnetic encoder

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

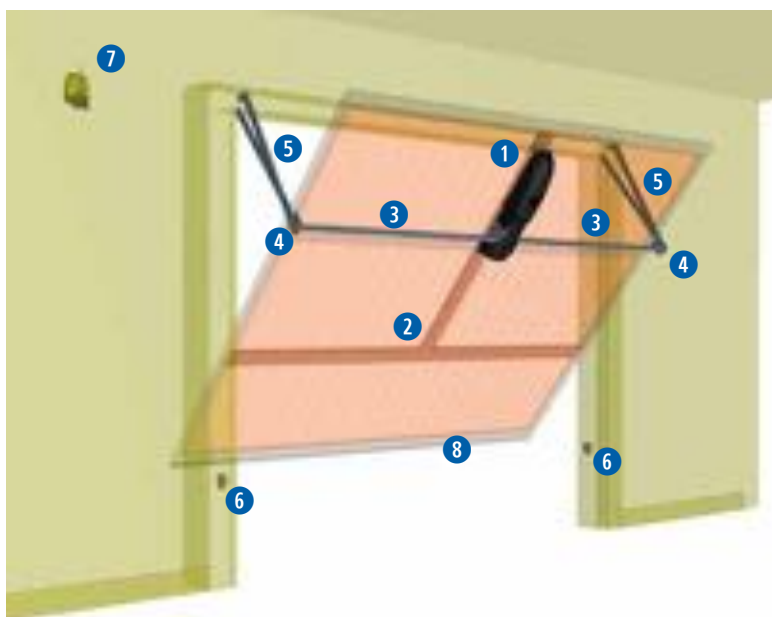
230V AC operators without control board and fixing plate

COD.	Art.				OTHER CHARACTERISTICS
633351	902EN/BF	●●	1.400	✓	<ul style="list-style-type: none"> Designed for unlocking device by cable Magnetic encoder

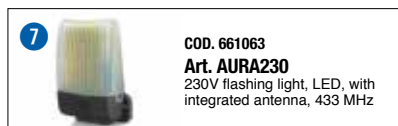
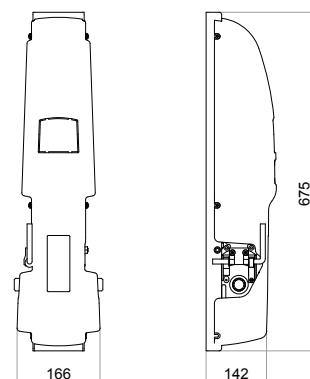
All 902 models: control board and fixing plate not included.

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

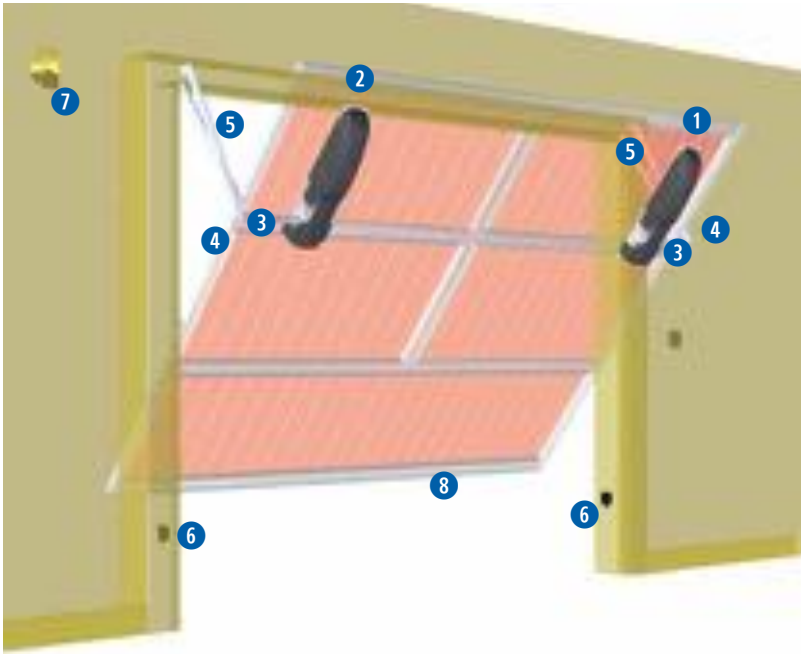
TECHNICAL INFO	905NET/BF - 905NETP/BF - 902EN/BF
Motor power supply (V)	230V AC ~ ± 10 % (50/60 Hz)
Maximum power absorption (W)	300
Max torque (Nm)	295
Duty cycle (cycles/hours)	28
N. max cycles in 24h.	220
Built-in capacitor (µF)	8
Operating temperature (°C)	-20 ÷ 40
Motor thermal protection (°C)	150
Speed (rpm)	1,7
Weight with packing (Kg)	11
Protection level	IPX0



DIMENSIONS



EXAMPLE OF A TYPICAL INSTALLATION WITH 2 OPERATORS



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=30mm (to be screwed)



COD. 639570
Art. 955V
Pipe support Ø=40.5mm for art. 950V, 950V/R and 951V (to be screwed)



COD. 639070
Art. 952BL
Pair of pipes with bushing, L=2000mm (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



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)



COD. 639150
Art. 951V DX
Telescopic bent arm to be screwed (right side)



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



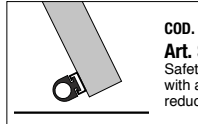
COD. 639111
Art. 560F - 960F
Limit switches set



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)

OTHER ACCESSORIES



COD. 677600
Art. NET230N
Universal digital control board for 1 or 2 operators, 230V with or without encoder



COD. 661063
Art. AURA230
230V flashing light, LED, with integrated antenna, 433 MHz



COD. 672630
Art. GT2
White 2-channel remote control, 433 MHz, Rolling Code



COD. 672640
Art. GT4
White 4-channel remote control, 433 MHz, Rolling Code



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



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



COD. 663280
Art. DIGIRAD
Wireless keypad



COD. 663310
Art. DIGIPRO
Digikey with cable and proximity reader



COD. 663311
Art. DIGISLM
Digikey with cable and proximity reader

NEW



COD. 677640
Art. NET-NODE
Device for the control of installations in local mode. To be used with DEAInstaller and DEAUser Apps

NEW



COD. 679112
Art. NET-BOX
Device for the control of installations in local or remote mode. To be used with DEAsoftware



SECTIONAL AND COUNTERWEIGHT SPRING DOORS

Choose the operator for your garage door:



ADVANCE

- Up to 16m²
- 24V
- For residential use
- 600N and 1200N versions



SPACE

- Up to 16m²
- 24V
- Residential and semi-intensive use
- 600N and 1200N versions



















TEO 700

- Up to 9m²
- 24V
- Residential use
- 1000N version

SELECTION GUIDE

Choose the maximum size in square meters of the sectional door

 m²						Art.		
<9m²	1000N	24V	●		✓	TEO700		107
<10m²	600N	24V	●	✓	NET724N	ADVANCE		99
<10m²	600N	24V	●	✓	NET724N	SPACE		103
<12m²	800N	24V	●	✓	NET724N/XL	SPACE/L 		99
<16m²	1200N	24V	●	✓	NET724N/XL	ADVANCE/XL		103
<16m²	1200N	24V	●	✓	NET724N/XL	SPACE/XL		
<16m²	1200N	24V	●●	✓	NET724N/XL	SPACE/XXL		



ADVANCE

Automation for sectional and counterweight spring doors



ADVANCE

Automation for sectional and counterweight spring doors



compatible with our Apps!



ADVANCE

24V DC operators with control board and encoder

COD.	Art.					OTHER CHARACTERISTICS
636052	ADVANCE	600N	✓	●	NET724N	<ul style="list-style-type: none"> • Motor with 2 channels encoder • Separated control board with box, programming by display, Open/Close external push buttons, LED courtesy light • Built-in receiver for up to 100 remote controls • 3 steps simplified programming • Quick connection of the motor in the track • Continuous adjustment of the stroke and forces • Secured programming procedure
636061	ADVANCE/XL	1200N	✓	●	NET724N/XL	

All models: control panel with box for wall mounting and 1 transmitter art. GT4 included. Track not included.

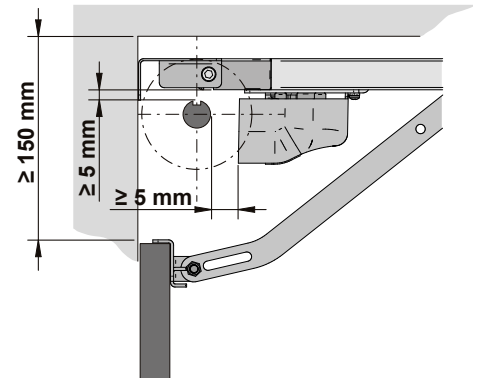
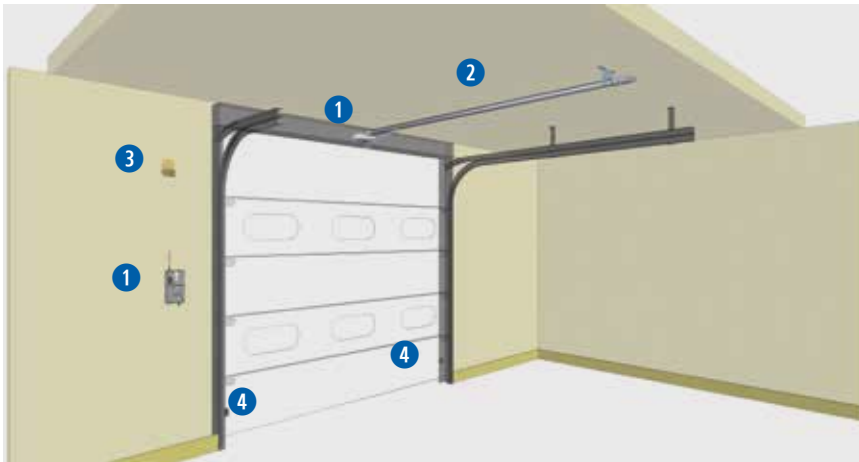
Iron track with belt:



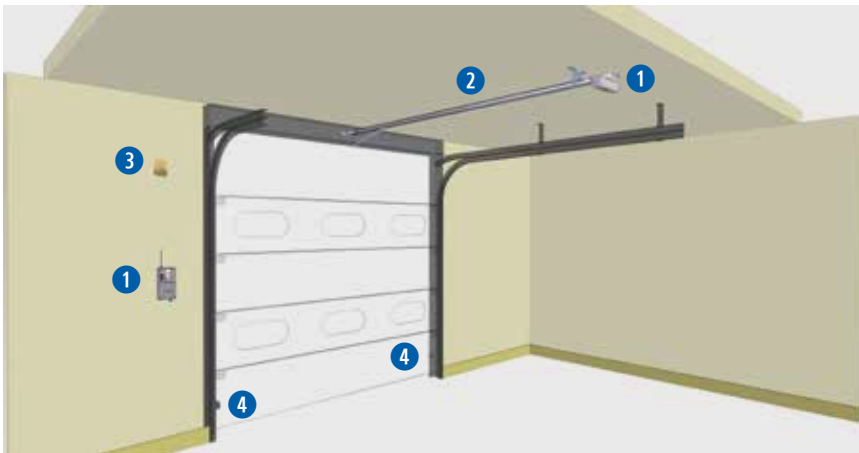
COD.	Art.	CHARACTERISTICS
636090	AB16	Steel track with belt, 2 pcs, 1.600+1.600 mm ADVANCE series: useful stroke: 2.776 mm
636093	AB20	Iron track with belt, 2 pcs., 2.000 + 2.000 mm ADVANCE series: useful stroke: 3.576 mm

TECHNICAL INFO	ADVANCE	ADVANCE/XL
Motor power supply (V)	24V DC	
Maximum power absorption (W)	100	180
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	16
Weight with packing (Kg)	4	
Protection level	IPX0	

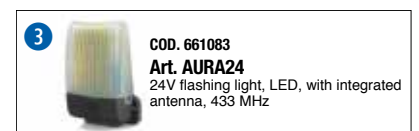
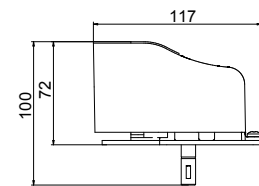
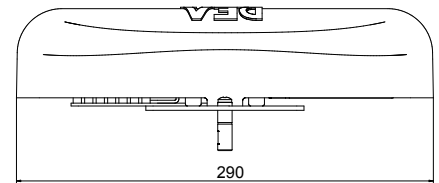
DOOR SIDE INSTALLATION



STANDARD SIDE INSTALLATION



DIMENSIONS



SPECIFIC ACCESSORIES



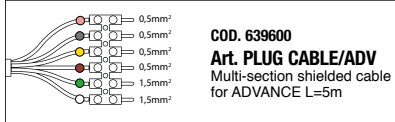
COD. 639381
Art. AB/BACKET
Fixing plate set for track



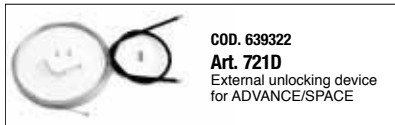
COD. 639350
Art. 723
Arm adaptor for sectional doors



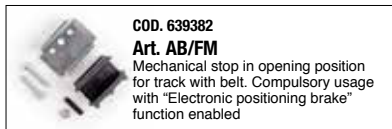
COD. 639590
Art. BAT/ADV
Battery set for ADVANCE/SPACE



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



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



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



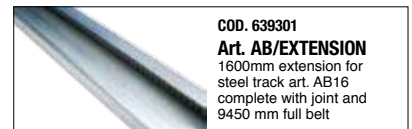
COD. 639321
Art. 721/AB
Unlocking device by cable (4m). To be used with art. BLINDOS



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

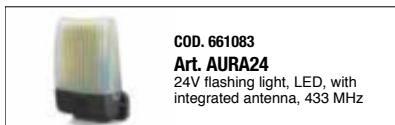


COD. 179006
Art. 240E
Supplementary antenna for SPACE operators



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

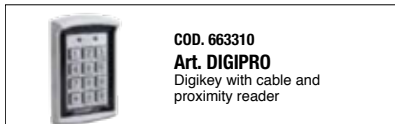
OTHER ACCESSORIES



COD. 661083
Art. AURA24
24V flashing light, LED, with integrated antenna, 433 MHz



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



COD. 663310
Art. DIGIPRO
Digikey with cable and proximity reader



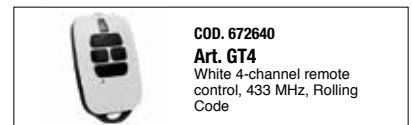
COD. 672630
Art. GT2
White 2-channel remote control, 433 MHz, Rolling Code



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



COD. 663311
Art. DIGISLIM
Digikey with cable and proximity reader



COD. 672640
Art. GT4
White 4-channel remote control, 433 MHz, Rolling Code



COD. 663280
Art. DIGIRAD
Wireless keypad



COD. 677640
Art. NET-NODE
Device for the control of installations in local mode. To be used with DEAIInstaller and DEAUser Apps



COD. 679112
Art. NET-BOX
Device for the control of installations in local or remote mode. To be used with DEASoftware



SPACE

Sectional and counterweight spring doors



SPACE

Sectional and counterweight spring doors



compatible with our Apps!



SPACE

24V DC operators with control board and encoder

COD.	Art.	2CH encoder	600N	800N	1200N	OTHER CHARACTERISTICS
636007	SPACE	✓	600N	•	NET724N	<ul style="list-style-type: none"> • Motor with 2 channels encoder • Integrated control board with receiver for up to 100 remote controls • 3 steps simplified programming • Quick connection of the motor to the track • Continuous adjustment of stroke and forces • Secured programming procedure
636100	SPACE/L	✓	800N	•	NET724N/XL	
636015	SPACE/XL	✓	1200N	•	NET724N/XL	
636016	SPACE/XXL*	✓	1200N	••	NET724N/XL	

For all models: control panel, 1 transmitter art. GT4 and 1 wall support art. GT-WALL included. Track not included.

* SPACE/XXL: art. AB/FM included

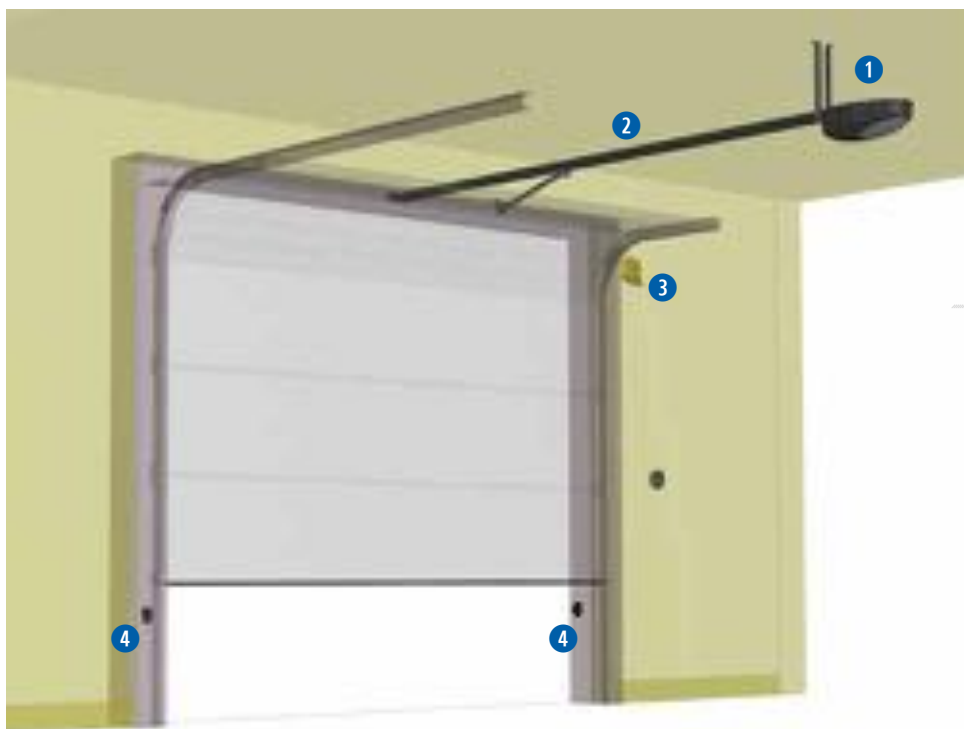
Steel track with belt:



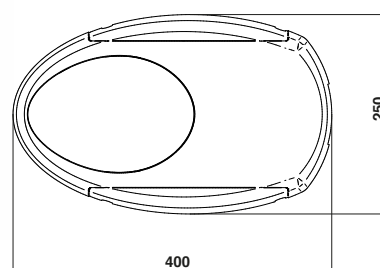
COD.	Art.	CHARACTERISTICS
636090	AB16	Steel track with belt, 2 pcs, 1.600+1.600 mm SPACE series: useful stroke: 2.668 mm
636093	AB20	Iron track with belt, 2 pcs, 2.000 + 2.000 mm SPACE series: useful stroke: 3.468 mm

TECHNICAL INFO	SPACE	SPACE/L	SPACE/XL	SPACE/XXL
Motor power supply (V)	24V DC			
Maximum power absorption (W)	100	120	180	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	18	16	13
Weight with packing (Kg)	5			6
Protection level	IP20			

EXAMPLE OF A TYPICAL INSTALLATION



DIMENSIONS



1 operator SPACE - 24V



COD. 636090
Art. AB16
Iron track with belt, 2 pcs.,
1600 + 1600 mm, stroke
2776 mm



COD. 661083
Art. AURA24
24V flashing light, LED, with
integrated antenna, 433 MHz



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



COD. 672640
Art. GT4
White 4-channel remote control,
433 MHz, Rolling Code



COD. 679191
Art. GT-WALL
White wall support for transmitter
art. GT

SPECIFIC ACCESSORIES



COD. 639381
Art. AB/BACKET
Fixing plate set for track



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



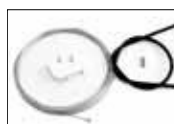
COD. 639372
Art. 762C
Unlocking device by cable
with lock



COD. 179006
Art. 240E
Supplementary antenna for
SPACE 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/SPACE

OTHER ACCESSORIES



COD. 661083
Art. AURA24
24V flashing light, LED, with integrated antenna, 433 MHz



COD. 672630
Art. GT2
White 2-channel remote control, 433 MHz, Rolling Code



COD. 672640
Art. GT4
White 4-channel remote control, 433 MHz, Rolling Code



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



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



COD. 663280
Art. DIGIRAD
Wireless keypad

NEW



COD. 677640
Art. NET-NODE
Device for the control of installations in local mode. To be used with DEInstaller and DEAuser Apps

NEW



COD. 679112
Art. NET-BOX
Device for the control of installations in local or remote mode. To be used with DEAssoftware



TEO 700

Sectional residential doors



TEO 700

Sectional residential doors



TEO 700

24V DC operators with control board incorporated and encoder

COD.	Art.				OTHER CHARACTERISTICS
636021	KIT TEO 700	1000N		✓	<ul style="list-style-type: none"> • Pre-assembled steel track length= 3300 mm (one piece) • Motor with encoder • Anti-crushing safety device • Force adjustment • Automatic adjustment of speed and slowdown

Set complete with: steel track and chain, L=3.300 mm (1 piece) and 1 art. GT2 transmitter

CONTROL BOARD TECHNICAL INFO

Power supply voltage (V)	230V AC ~ ±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

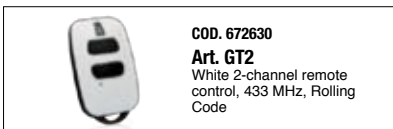
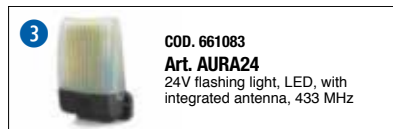
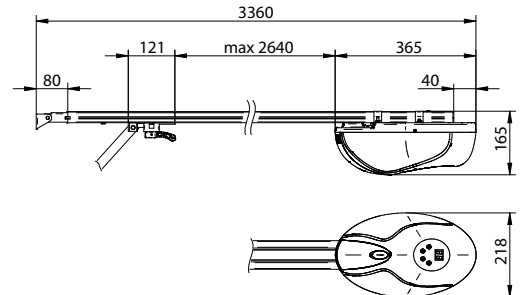
OPERATOR TECHNICAL INFO

Motor power supply voltage (V)	24V DC
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
Protection level	IP30

EXAMPLE OF A TYPICAL INSTALLATION



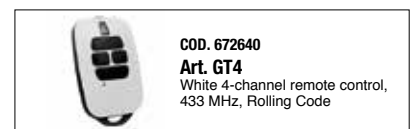
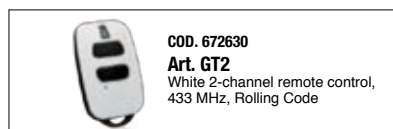
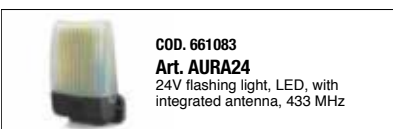
DIMENSIONS



SPECIFIC ACCESSORIES



OTHER ACCESSORIES





INDUSTRIAL SECTIONAL DOORS

Choose the operator for your industrial sectional door:



LATO

- Up to 35m²
- 230V - 400V
- Collective and industrial use
- Available versions built-in control board and with chain for a manual manouvre



LIVI 550PL


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

SELECTION GUIDE


Choose the maximum size in square meters of the sectional door

							Art.	
---	---	---	---	---	---	---	------	---


Operator with DIRECT CONNECTION

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


Operator with 2:1 RATIO

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

Operator with DIRECT CONNECTION

<23m ²	400V	104Nm	22,4			✓	LATO400EN
							LATO400CEN

Operator with 2:1 RATIO

23m ² ÷ 35m ²	400V	208Nm	11,2			✓	LATO400EN
							LATO400CEN



112



LATO

Automations for industrial sectional doors



Automations for industrial sectional doors



(only NET230N)



compatible with our Apps!

(only NET230N)



230V AC 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"> Limit switches Anti-crashing safety device Magnetic encoder with 6m long cable Integrated receiver and courtesy light Unlocking device by cable
637051	LATO220NET/C*		NET230N	For shaft Ø 25,4mm	✓	<ul style="list-style-type: none"> Limit switches Anti-crashing safety device Magnetic encoder with 6m long cable Integrated receiver and courtesy light Unlocking device by cable Emergency manual manouvre by chain

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"> Limit switches Magnetic encoder with 6m long cable Unlocking device by cable
637011	LATO220CEN*		✓	For shaft Ø 25,4mm	<ul style="list-style-type: none"> Limit switches Magnetic encoder with 6m long cable Unlocking device by cable Emergency manual manouvre by chain

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 AC 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"> ATTENTION: NOT COMPATIBLE WITH NETLINK Unlocking device by cable Magnetic encoder with 6m long cable
637041	LATO400CEN*		✓	For shaft Ø 25,4mm	<ul style="list-style-type: none"> ATTENTION: NOT COMPATIBLE WITH NETLINK Emergency manual manouvre by chain Magnetic encoder with 6m long cable

*Complete with unlocking device by chain (L useful=3,5m)

Control board to complete the installation: control board cod. 677140 art. 400RR/C (with box)

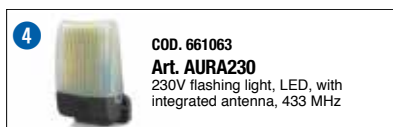
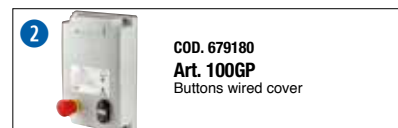
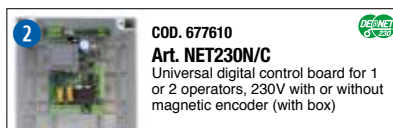
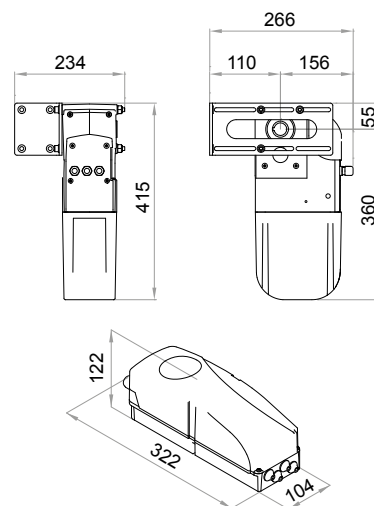
All models: 1 side fixing plate art. LE included

TECHNICAL INFO	220NET - 220/EN - 220/CEN - 220NET/C	400EN - 400CEN
Motor power supply (V)	230V AC $\pm 10\%$ (50/60 Hz)	400V AC $\pm 10\%$ (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 (μ F)	18	/
Operating temperature ($^{\circ}$ C)	-20 \div 40	-20 \div 40
Motor thermal protection ($^{\circ}$ C)	150	140
Output shaft speed (rpm)	22,4	22,4
Weight with packing (Kg)	12	13
Protection level	IP40 (IP10 models 220/CEN - 220NET/C)	IP40 (IP10 model 400/CEN)

EXAMPLE OF A TYPICAL INSTALLATION



DIMENSIONS



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

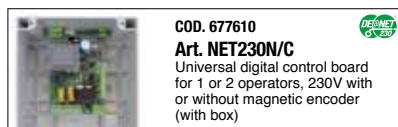


COD. 639420
Art. LE
Side fixing plate (already included in the motor)

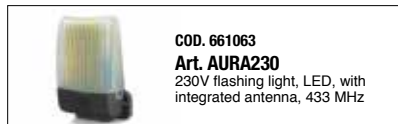


COD. 665000
Art. BLINDOS
Aluminium safety enclosure, with European cylinder, ready for unlocking device by cable.

OTHER ACCESSORIES



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



COD. 661063
Art. AURA230
230V flashing light, LED, with integrated antenna, 433 MHz



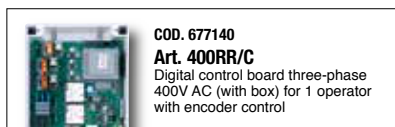
COD. 662080
Art. LINEAR/XS
Pair of mini photocell for outdoor installation. Maximum range 20m



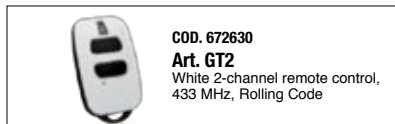
COD. 681060
Art. COVER
Vandal-proof aluminium cover for LINEAR and LINEAR/B photocells (2 pcs)



COD. 677640
Art. NET-NODE
Device for the control of installations in local mode. To be used with DEAINSTALLER and DEASUSER Apps



COD. 677140
Art. 400RR/C
Digital control board three-phase 400V AC (with box) for 1 operator with encoder control



COD. 672630
Art. GT2
White 2-channel remote control, 433 MHz, Rolling Code



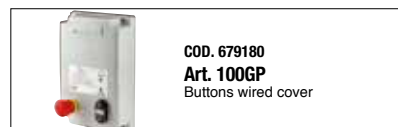
COD. 662044
Art. LINEAR
Pair of adjustable photocells (180°) with possibility of synchronized operating. Range 20m



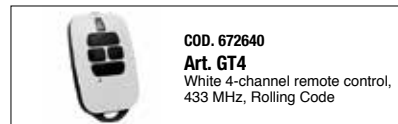
COD. 663090
Art. GT-KEY
Metal vandal proof keyswitch with two contacts, surface mounted. Supplied with 2 keys.



COD. 679112
Art. NET-BOX
Device for the control of installations in local or remote mode. To be used with DEASoftware



COD. 679180
Art. 100GP
Buttons wired cover



COD. 672640
Art. GT4
White 4-channel remote control, 433 MHz, Rolling Code



COD. 662047
Art. LINEAR/SHIELD
Pair of adjustable photocells LINEAR with vandal-proof aluminium cover art. COVER



COD. 663280
Art. DIGIRAD
Wireless keypad

LIVI 550 PL

Automations for industrial folding doors



LIVI 550 PL

Automations for industrial folding doors



compatible with our Apps!



230V AC 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

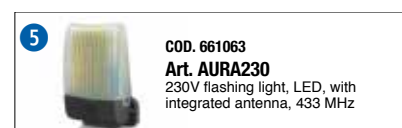
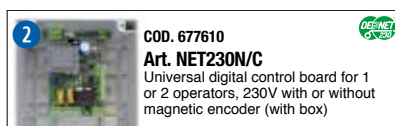
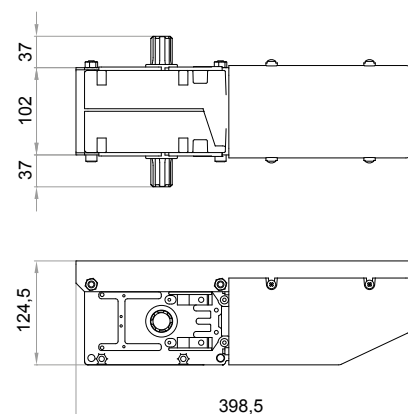
Control board to complete the installation: control board cod. 677610 art. NET230N/C (with box)

* 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

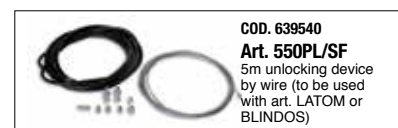


DIMENSIONS

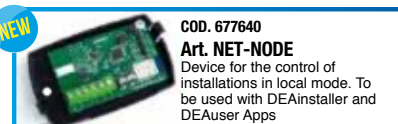
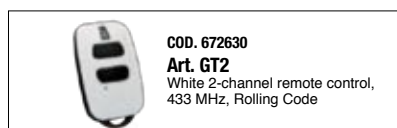
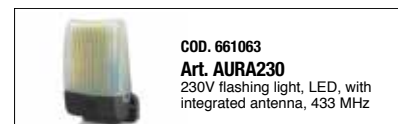
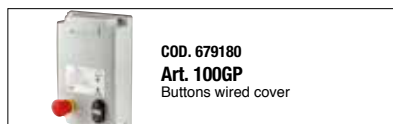


TECHNICAL INFO	550PL - 550PLEN
Motor power supply (V)	230V AC $\sim \pm 10\%$ (50/60 Hz)
Maximum power absorption (W)	300
Max torque (Nm)	295
Duty cycle (cycles/hours)	22 - 28 (vers. 550PLEN)
N. max cycles in 24h.	260
Built-in capacitor (μ F)	8
Operating temperature ($^{\circ}$ C)	-20 \div 50
Motor thermal protection ($^{\circ}$ C)	150
90° Opening time (s)	18
Weight with packing (Kg)	6
Protection level	IP44

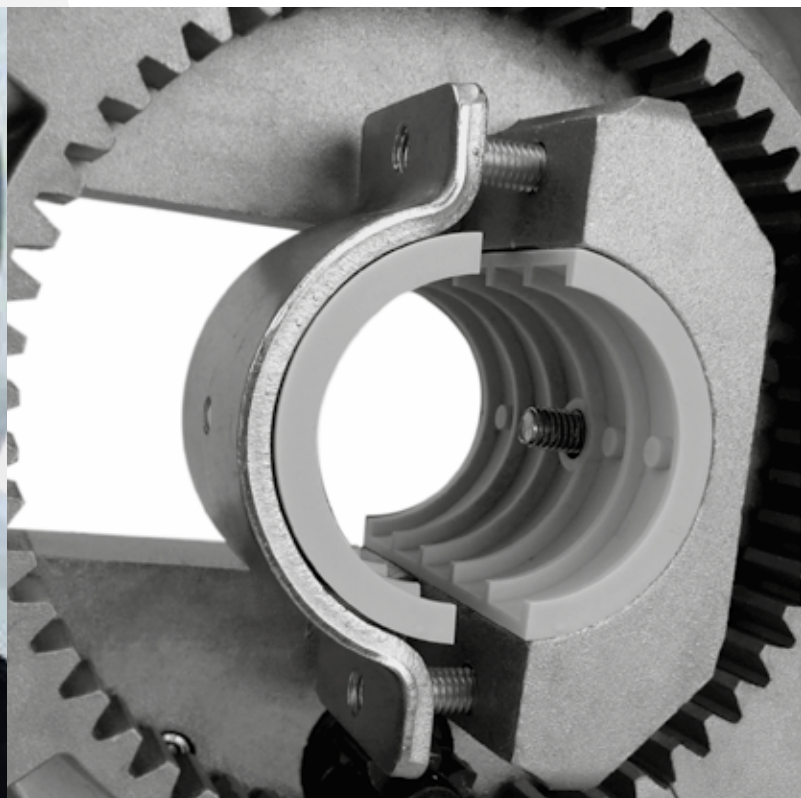
SPECIFIC ACCESSORIES



OTHER ACCESSORIES



WILL-G



Universal operator for balanced roller shutters



230V AC operators without control board

COD.	Art.				OTHER CHARACTERISTICS
634020*	WILL-G 140 SE	1400N		Ø 60mm	<ul style="list-style-type: none"> With electrobrake and micrometer limit switches Complete with internal adapters for shaft Ø=48mm and external adapters for spring boxes Ø=220mm

For models: Control board not included. Electrobrake included

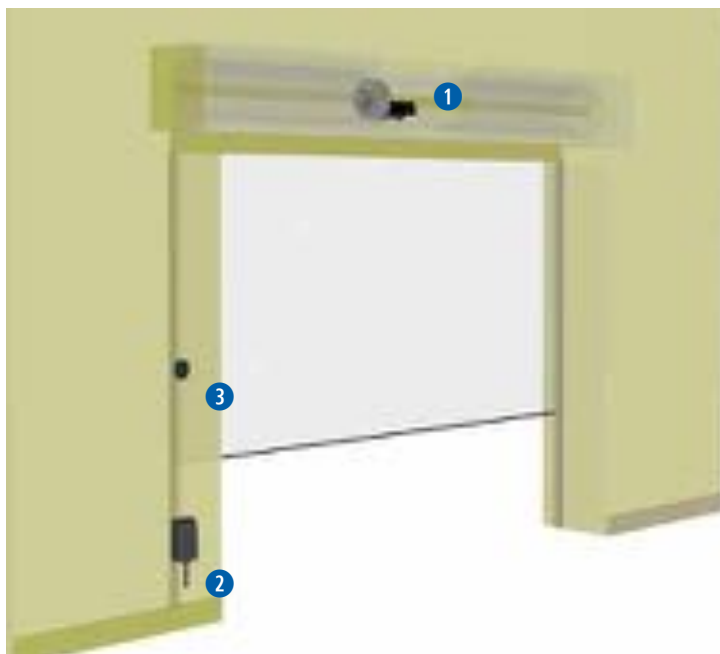
Control board to complete the installation: control board cod. 677540 art. 211ER/C (with box)

* Al fine di rispettare il limite delle forze d'impatto previsto dalla EN 13241-1, è necessario utilizzare i dispositivi di sicurezza esterni conformi alla EN 12978.

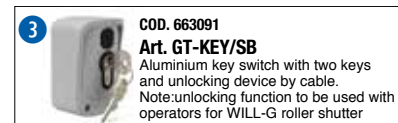
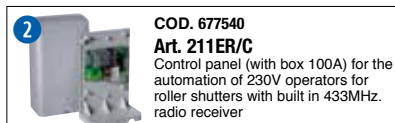
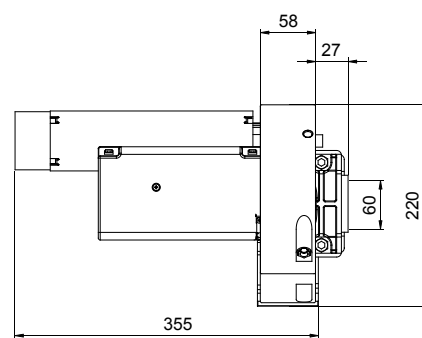
TECHNICAL INFO	WILL-G/140SE
Motor power supply (V)	230V AC \pm 10 % (50/60 Hz)
Maximum power absorption (W)	480
Max torque (Nm)	140
Built-in capacitor (μ F)	12,5
Operating temperature ($^{\circ}$ C)	-5 \div 40

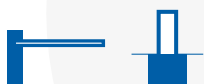
TECHNICAL INFO	WILL-G/140SE
Motor thermal protection ($^{\circ}$ C)	160 $^{\circ}$
Max. operating time	4'
Speed (rpm)	10
Maximum clear opening (number of pulley turns)	8
Weight with packing (Kg)	8
Protection level	IP42

EXAMPLE OF A TYPICAL INSTALLATION



DIMENSIONS





ELECTROMECHANICAL BARRIER AND BOLLARD

Choose the barrier or the bollard suitable for your entrance:



PASS

- Up to 5m of boom length
- 24V
- Residential and semi-intensive use
- Available fast version



ROCK

- Height 700 mm
- Diameter 275 mm
- Cataphoresis treatment
- 230V
- Intensive use



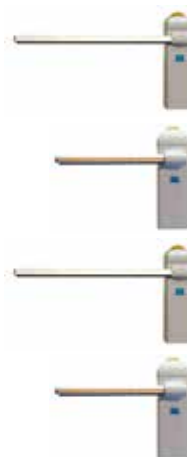
STOP

- Up to 7,5m of boom length
- 230V - 24V
- Semi-intensive and intensive use
- Available fast version

SELECTION GUIDE

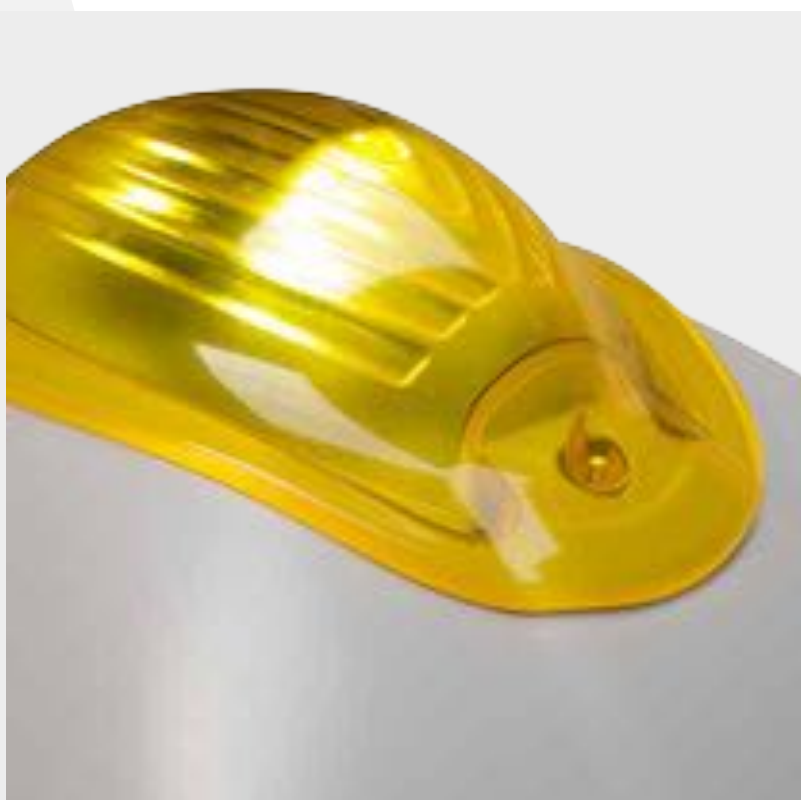
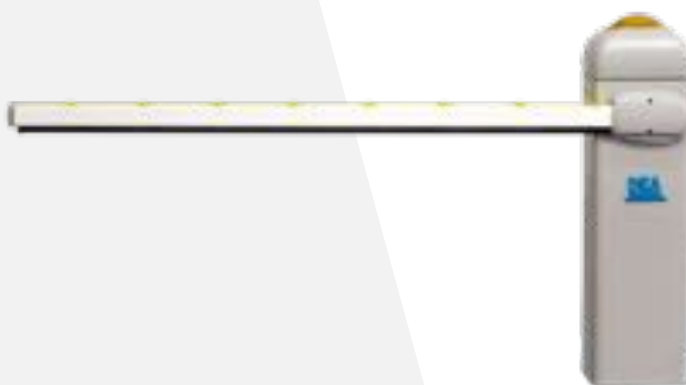
Choose the maximum boom length

						Art.	
3m	24V	2,2"	●●	✓	PASS24NET/V		
4m	24V	2,8"	●●	✓	PASS24NET/VR		122
	24V	6"	●●	✓	PASS24NET/L		
	24V	2,7"	●●●	✓	STOP24NET/V		126
5m	24V	6"	●●	✓	PASS24NET/L		122
6m 7,5m	230V	8"	●●	✓	STOPNET/L		
	24V	7,5"	●●●	✓	STOP24NET/L		126



PASS

Electromechanical barrier



Electromechanical barrier



compatible with our Apps!



24V DC barriers with control board for semi-intensive use

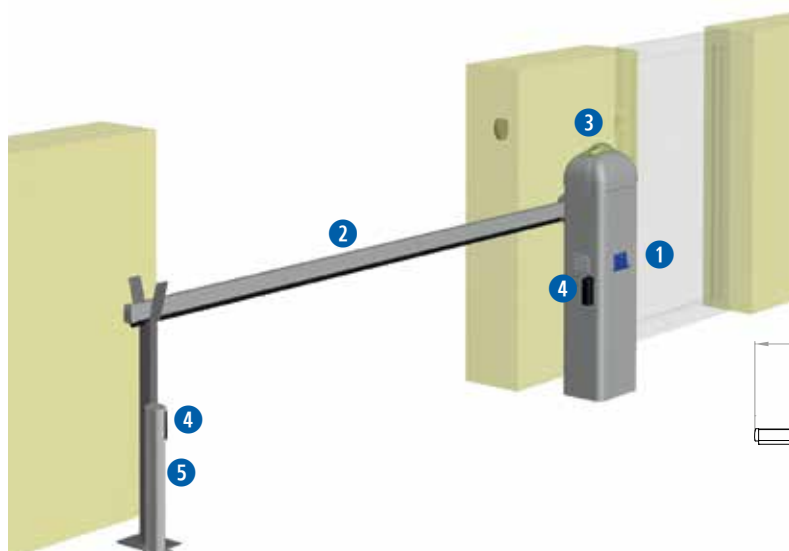
COD.	Art.					OTHER CHARACTERISTICS
644020	PASS24NET/V	3 m fast	●●	NET24N	✓	<ul style="list-style-type: none"> Speed adjustment during normal cycle and slow down in opening and closing Motor control by encoder and obstacle detection Possibility to lock the programming to prevent tampering
644022	PASS24NET/VR	4 m fast	●●	NET24N	✓	
644021	PASS24NET/L	4 e 5 m slow	●●	NET24N	✓	

All models: flashing lights, boom, boom holder and foundation plate not included - Stainless steel version: available on request

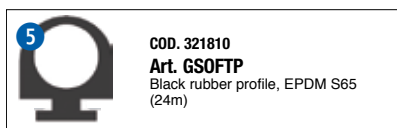
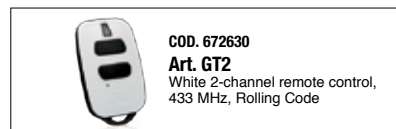
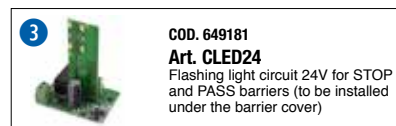
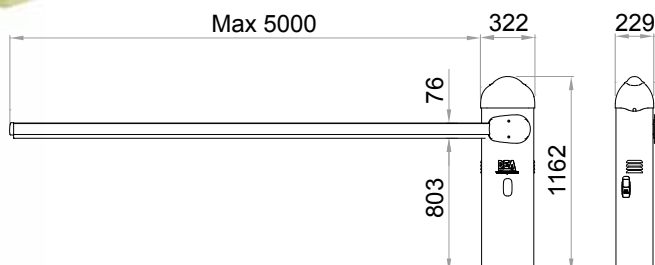
All models: Proper functioning is guaranteed with perfect balance of the spring and adjustment of slow down

TECHNICAL INFO	PASS24NET/V	PASS24NET/L	PASS24NET/VR
Motor power supply (V)	24V DC		
Maximum power absorption (W)	105		
Duty cycle (cycles/hours)	290	140	240
N. max cycles in 24h.	800	800	800
Built-in capacitor (μF)	/		
Operating temperature (°C)	-20 ÷ 50		
Motor thermal protection (°C)	/		
90° Opening time (s)	2,2	6	2,8
Weight with packing (Kg)	41		
Protection level	IP24		

EXAMPLE OF A TYPICAL INSTALLATION

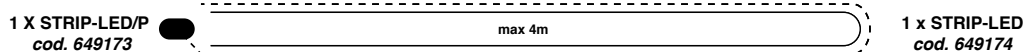


DIMENSIONS

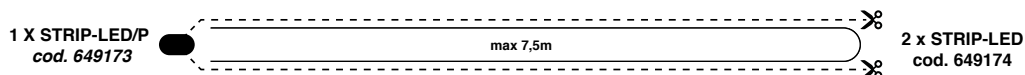


To use with art. STRIP-LED and art. STRIP-LED/P

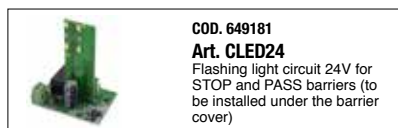
PASS 3, PASS 4, STOP 4



STOP 6, STOP 7,5



SPECIFIC ACCESSORIES



COD. 649181
Art. CLED24
Flashing light circuit 24V for STOP and PASS barriers (to be installed under the barrier cover)



COD. 649174
Art. STRIP-LED
Led strip for booms (L=8m) without power adapter



COD. 649173
Art. STRIP-LED/P
Power adapter and fixing plates for art. STRIP-LED (840mA - IP67)



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



COD. 649141
Art. PASS4
DEA rectangular painted boom 4000x65x38mm, with reflective stickers art.1012



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



COD. 649240
Art. PASS5
DEA painted lightweight boom 5000x80x40mm, without reflective stickers. To be used only with art. PASS24NET/L (not compatible with other accessories)



COD. 649250
Art. OMPASS5
Boom holder and fixing counter-plate for DEA boom art. PASS5

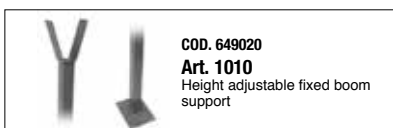


COD. 381741
Art. OMPASS60
Boom holder for commercial boom 60x30mm

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



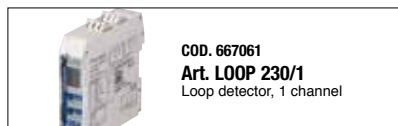
COD. 649000
Art. 1006
Mobile boom support



COD. 649020
Art. 1010
Height adjustable fixed boom support



COD. 101004
Art. 1012
Reflective red stickers (1 pcs)



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. 649073
Art. PASS/B
Foundation plate



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

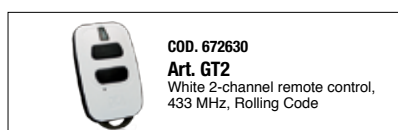


COD. 649160
Art. BSF
Bracket for Linear photocells



COD. 649200
Art. BAT/PASS
Batteries set for PASS barriers consisting of 2 x 4Ah batteries, fixing plates and connecting cables

OTHER ACCESSORIES



COD. 672630
Art. GT2
White 2-channel remote control, 433 MHz, Rolling Code



COD. 672640
Art. GT4
White 4-channel remote control, 433 MHz, Rolling Code



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



COD. 662043
Art. LINEAR/B
Pair of adjustable photocells (180°) with tx supplied by a Lion battery. Range 7/15m



COD. 662047
Art. LINEAR/SHIELD
Pair of adjustable photocells LINEAR with vandal-proof aluminium cover art. COVER



COD. 681060
Art. COVER
Vandal-proof aluminium cover for LINEAR and LINEAR/B photocells (2 pcs)



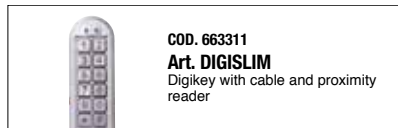
COD. 663090
Art. GT-KEY
Metal vandal proof keyswitch with two contacts, surface mounted. Supplied with 2 keys.



COD. 663280
Art. DIGIRAD
Wireless keypad



COD. 663310
Art. DIGIPRO
Digikey with cable and proximity reader



COD. 663311
Art. DIGISLIM
Digikey with cable and proximity reader



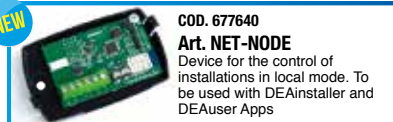
COD. 664020
Art. PILLY/BASE
Support to be cemented for column



COD. 664000
Art. PILLY/60
55cm column for photocell (2 pcs)



COD. 664010
Art. PILLY/120
100cm column for photocell and accessories (2 pcs)



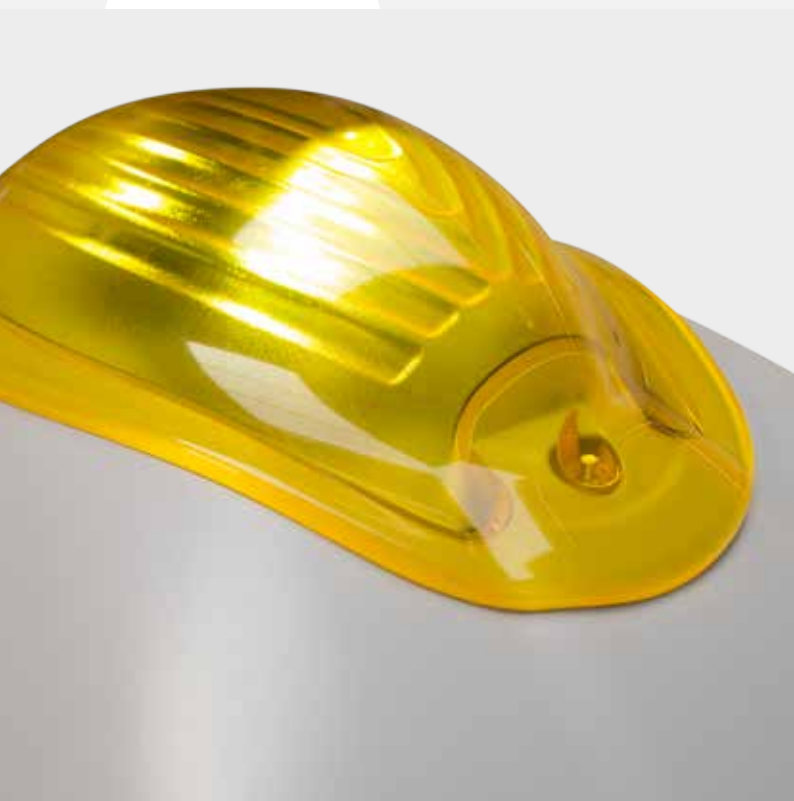
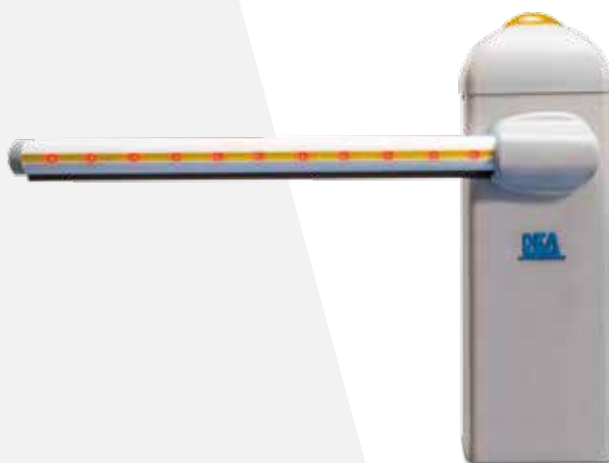
NEW
COD. 677640
Art. NET-NODE
Device for the control of installations in local mode. To be used with DEAIInstaller and DEAusers Apps



NEW
COD. 679112
Art. NET-BOX
Device for the control of installations in local or remote mode. To be used with DEASoftware

STOP

Electromechanical barrier

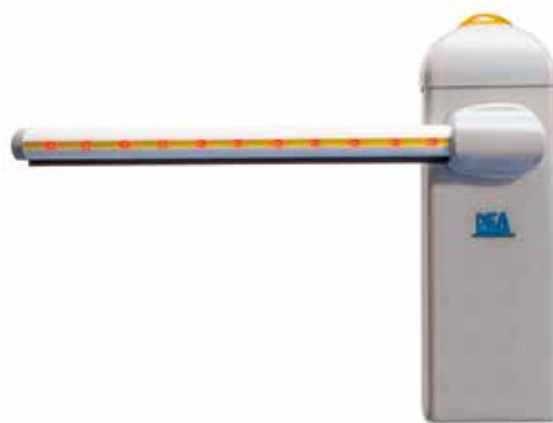


STOP

Electromechanical barrier



compatible with our Apps!



230V AC barriers with control board for semi-intensive use

COD.	Art.					OTHER CHARACTERISTICS
645031	STOPNET/L	6 e 7,5 m slow	●●	NET230N	✓	<ul style="list-style-type: none"> Supplied with 4 springs Motor control by encoder and obstacle detection

All models: flashing lights, boom, boom holder and foundation plate not included. Stainless steel version: available upon request

Booms 7.5m long: add at least 1 art. KIT MOLLA (cod. 649220)

All models: proper functioning is guaranteed with perfect balance of the spring and adjustment of slow down

24V DC barriers with control board for intensive use

COD.	Art.					OTHER CHARACTERISTICS
645020	STOP24NET/V	4 m fast	●●●	NET24N	✓	<ul style="list-style-type: none"> Supplied with 2 springs Motor control by encoder and obstacle detection
645021	STOP24NET/L	6 e 7,5 m slow	●●●	NET24N	✓	<ul style="list-style-type: none"> Supplied with 4 springs Motor control by encoder and obstacle detection

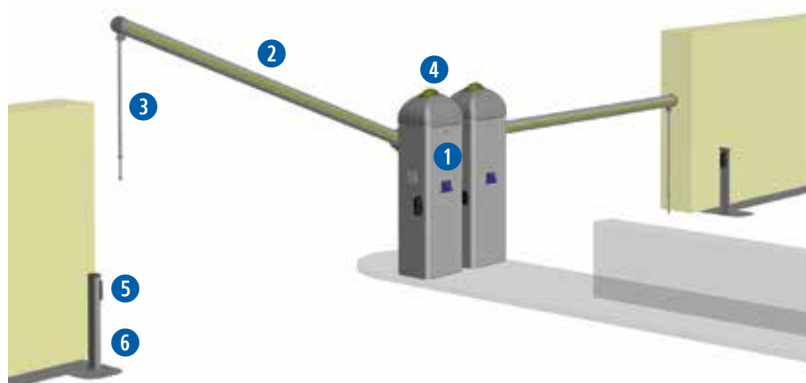
All models: flashing lights, boom, boom holder and foundation plate not included. Stainless steel version: available upon request

Booms 7.5m long: add at least 1 art. KIT MOLLA (cod. 649220)

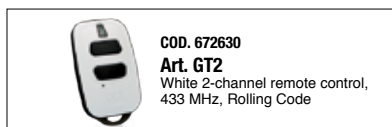
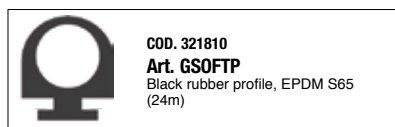
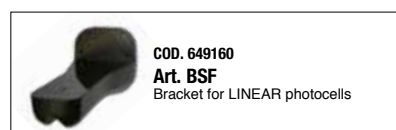
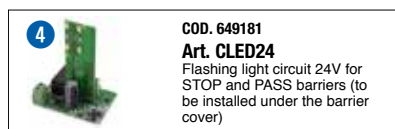
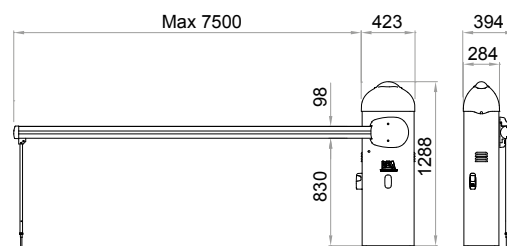
Warning: proper functioning of this model is guaranteed with perfect balance of the spring and adjustment of slow down

TECHNICAL INFO	STOPNET/L		STOP24NET/V	STOP24NET/L	
Boom length	4 ÷ 6m	> 6m	4m	4 ÷ 6m	> 6m
Motor power supply (V)	230V AC ~ ± 10 % (50/60 Hz)		24V DC		
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		
Protection level	IP24				

EXAMPLE OF A TYPICAL INSTALLATION

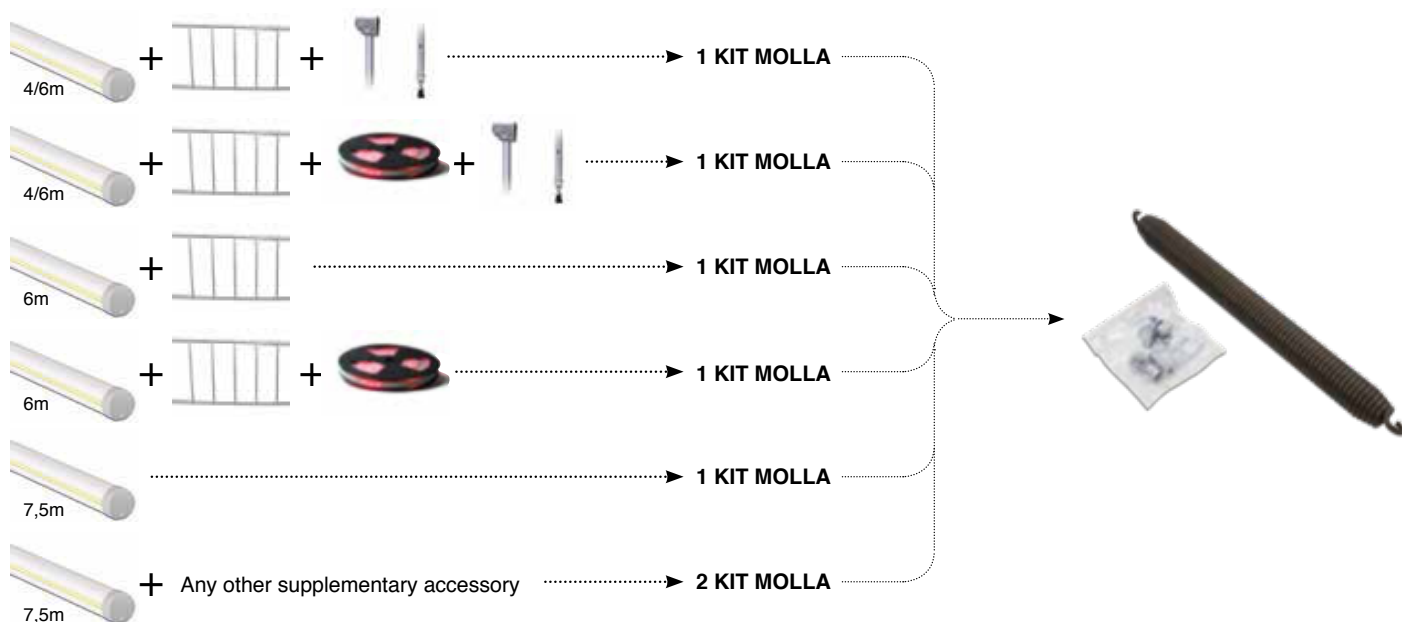


DIMENSIONS



SUPPLEMENTARY 'KIT MOLLA' FOR BARRIERS WITH BOOMS from 4 up to 7,5m length

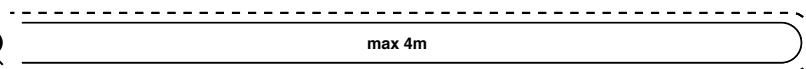
The number of KIT MOLLA (cod. 649220) is different depending on the type of accessories to be mounted on the boom.
The following table illustrates the number of kits required for different situations:



To use with art. STRIP-LED and art. STRIP-LED/P

PASS 3, PASS 4, STOP 4

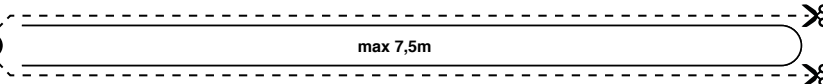
1 X STRIP-LED/P
cod. 649173



1 x STRIP-LED
cod. 649174



STOP 6, STOP 7,5

1 X STRIP-LED/P
cod. 649173

















2 x STRIP-LED
cod. 649174

SPECIFIC ACCESSORIES

 <p>COD. 649181 Art. CLED24 Flashing light circuit 24V for STOP and PASS barriers (to be installed under the barrier cover)</p>	 <p>COD. 649180 Art. CLED230 Flashing light circuit 230V for STOP and PASS barriers (to be installed under the barrier cover)</p>	 <p>COD. 101004 Art. 1012 Reflective red stickers (1 pcs)</p>
 <p>COD. 649190 Art. STOP4 DEA round painted boom 4000xØ95 mm, with stickers art. 1012</p>	 <p>COD. 649191 Art. STOP6 DEA round painted boom 6000xØ95 mm, with stickers art. 1012</p>	 <p>COD. 649230 Art. OMSTOP Boom holder for DEA booms art. STOP4 and art. STOP6</p>
 <p>COD. 649192 Art. STOP7.5 DEA round painted boom 7500xØ95 mm, with stickers art. 1012</p>	 <p>COD. 649210 Art. OMSTOP7.5 Boom holder and fixing counter-plate for DEA boom art. STOP7.5</p>	 <p>COD. 649220 Art. KIT MOLLA Supplementary spring set for STOP barriers</p>
Add at least 1 KIT MOLLA. Not compatible with skirt art. 1005.		
 <p>COD. 649174 Art. STRIP-LED Led strip for arms (L=8m) without power adapter</p>	 <p>COD. 649173 Art. STRIP-LED/P Power adapter and fixing plates for art. STRIP-LED (840mA - IP67)</p>	 <p>COD. 386390 Art. 1005 Aluminium skirt 2m long</p>
 <p>COD. 649000 Art. 1006 Mobile boom support</p>	 <p>COD. 649020 Art. 1010 Height adjustable fixed boom support</p>	 <p>COD. 649021 Art. 1010/M Height adjustable fixed boom support with magnet</p>
 <p>COD. 649160 Art. BSF Bracket for Linear photocells</p>	 <p>COD. 681034 Art. SMFLED230/2 230V led traffic light: red-green lights</p>	 <p>COD. 649072 Art. STOP/B Foundation plate</p>
 <p>COD. 667061 Art. LOOP 230/1 Loop detector, 1 channel</p>	 <p>COD. 667071 Art. LOOP 230/2 Loop detector, 2 channels</p>	 <p>COD. 649201 Art. BAT/STOP Batteries set for STOP barriers complete with 2 x 4Ah batteries, fixing plates and connecting cables</p>
 <p>COD. 321810 Art. GSOFTP Black rubber profile, EPDM S65 (24m)</p>		
 <p>COD. 649010 Art. 1004 Folding bar joint 100x30mm to be used with art. 1008. Not compatible with STOP24NET/V</p>	 <p>COD. 649030 Art. 1008 Rectangular boom 4000x100x30 mm to be used with art. 1004 with stickers art. 1012</p>	 <p>COD. 381806 Art. OMSTOP30 Boom holder for rectangular boom art. 1008</p>

OTHER ACCESSORIES

 <p>COD. 672630 Art. GT2 White 2-channel remote control, 433 MHz, Rolling Code</p>	 <p>COD. 662044 Art. LINEAR Pair of adjustable photocells (180°) with possibility of synchronized operating. Range 20m</p>	 <p>COD. 662043 Art. LINEAR/B Pair of adjustable photocells (180°) with tx supplied by a Lion battery. Range 7/15m</p>
 <p>COD. 662047 Art. LINEAR/SHIELD Pair of adjustable photocells LINEAR with vandal-proof aluminium cover art. COVER</p>	 <p>COD. 681060 Art. COVER Vandal-proof aluminium cover for LINEAR and LINEAR/B photocells (2 pcs)</p>	 <p>COD. 663090 Art. GT-KEY Metal vandal proof keyswitch with two contacts, surface mounted. Supplied with 2 keys.</p>
 <p>COD. 663280 Art. DIGIRAD Wireless keypad</p>	 <p>COD. 663310 Art. DIGIPRO Digikey with cable and proximity reader</p>	 <p>COD. 663311 Art. DIGISLIM Digikey with cable and proximity reader</p>
 <p>COD. 664020 Art. PILLY/BASE Support to be cemented for column</p>	 <p>COD. 664000 Art. PILLY/60 55cm column for photocell (2 pcs)</p>	 <p>COD. 664010 Art. PILLY/120 100cm column for photocell and accessories (2 pcs)</p>
 <p>COD. 677640 Art. NET-NODE Device for the control of installations in local mode. To be used with DEAIInstaller and DEAUser Apps</p>	 <p>COD. 679112 Art. NET-BOX Device for the control of installations in local or remote mode. To be used with DEASoftware</p>	



ROCK

Hydraulic retractable bollard



Hydraulic retractable bollard



compatible with our Apps!



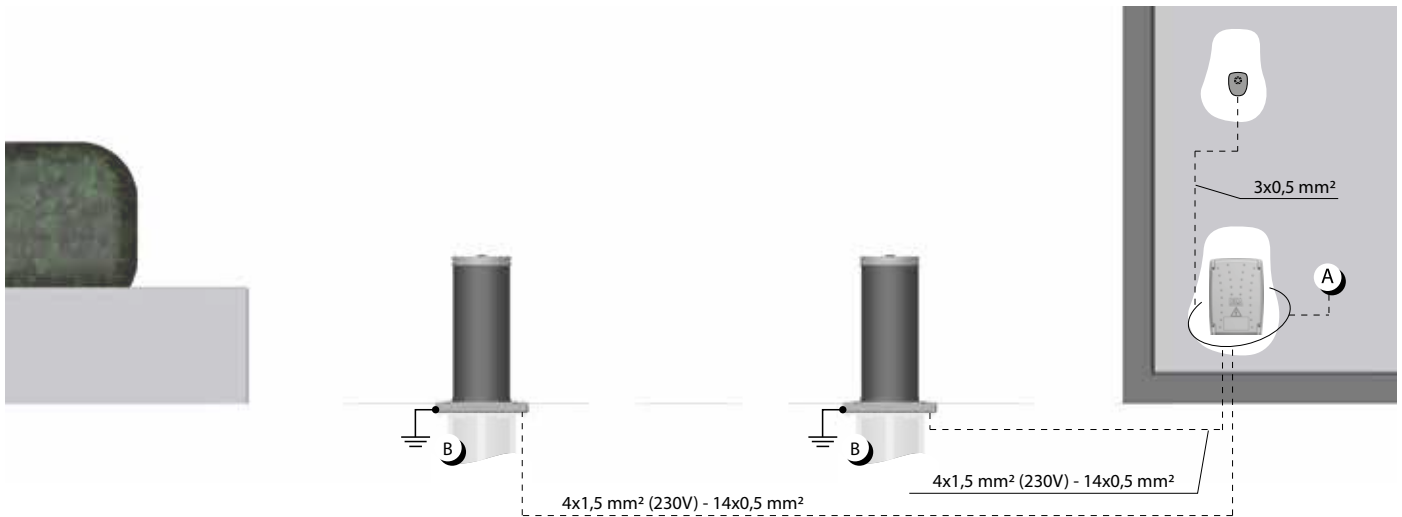
230V AC bollard without control board

COD.	Art.					OTHER CHARACTERISTICS
651000	ROCK	●●●	275mm	700mm	6mm	<ul style="list-style-type: none"> Removable structure, cataphoresis treatment Framework (not included): cataphoresis head and panels, galvanized clamps for cementation Emergency manual release LED diffusers with integrated buzzers 2 magnetic limit switches Walking surfaces in aluminium, cataphoresis, micaceous grey Retro-reflecting film with high-luminous efficacy 15m cable (only for art. ROCK/CABLE)
651001	ROCK/CABLE	●●●	275mm	700mm	6mm	

All models: framework art.ROCK/B not included

TECHNICAL INFO	ROCK	ROCK/CABLE
Movement	Hydraulic	
Height	700 mm	
Diameter	275 mm	
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	Hydraulic release	
Impact resistance	40 KJ	
Crash resistance	200 KJ	
Cable for connection	/	15 m 7Gx1 + 10x0,5 shielded
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	
Protection level	IP 67	
Capacitor	12,5 uf	
Motor thermal protection	130°	

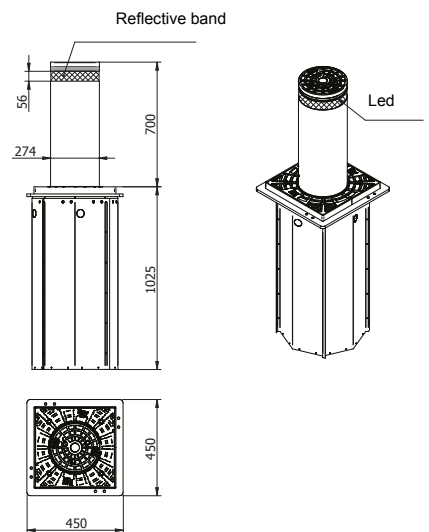
ELECTRICAL DIAGRAM



EXAMPLE OF A TYPICAL INSTALLATION



DIMENSIONS



1

COD. 651000
Art. ROCK
Hydraulic retractable bollard

2

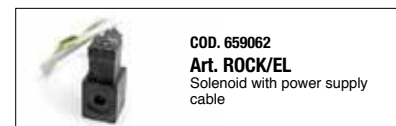
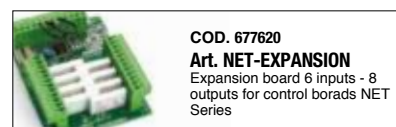
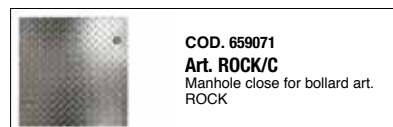
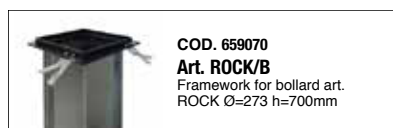
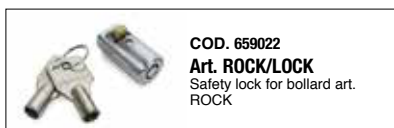
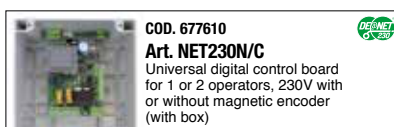
COD. 677611
Art. NET230N/PROBOX
NET230 control board mounted on plate with cable holders and DIN rail to use on art. STEELBOX

COD. 679210
Art. STEELBOX
Painted steel box with key lock

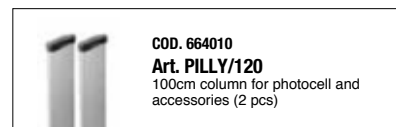
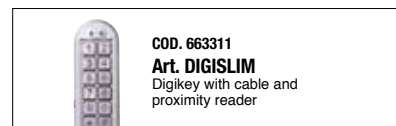
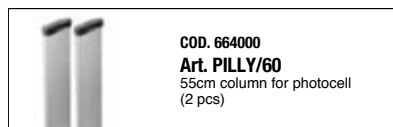
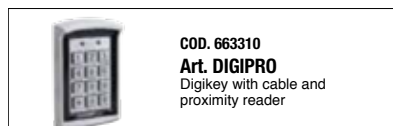
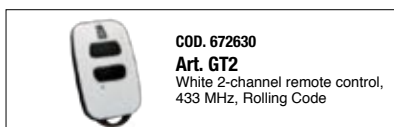
COD. 667071
Art. LOOP 230/2
Loop detector, 2 channels

COD. 681034
Art. SMFLED230/2
230V led traffic light: red-green lights

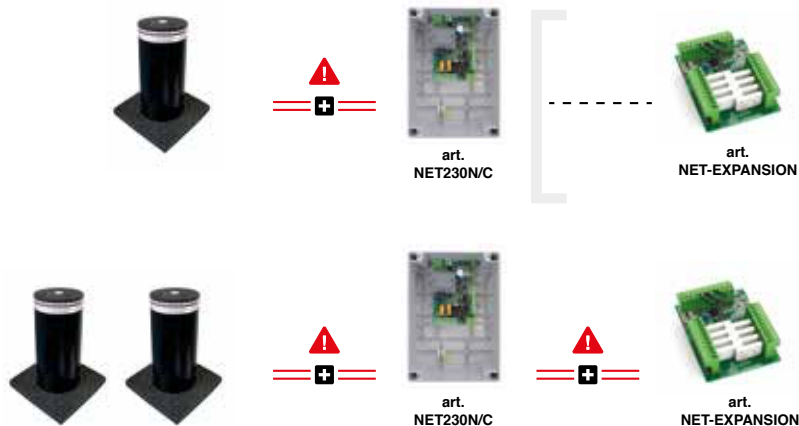
SPECIFIC ACCESSORIES



OTHER ACCESSORIES



COD.	Art.
677610	NET230N/C
677611	NET230/PROBOX
677620	NET-EXPANSION



220H

Recessed mini control board - receiver

Domotics is brought to in your home with this new mini control board, fully customizable to automate any home-automation device. Commands may be sent by radio or by wire (buttons or switches).

Shutters, awnings, lights, electric locks, irrigation systems, etc., can be automated easily and fast.

Extremely compact in size, this mini control board can be fitted anywhere. From a single multi-channel transmitter it is possible to activate each control board independently or in a centralized way.



COMPATIBLE TRANSMITTERS



Remote control
Multi-channel
TR-PLUS



Remote controls
standard remotes 2ch - 4ch
Dip-switch or HCS*

*(the first remote memorized will set the codification of the 220H)

GT2

GT4

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

TECHNICAL DATA 220H	
Supply voltage	250V ~
Storage temperature	-40 ÷ +100°C
Operating temperature	-20 ÷ +55°C
Dimensions	36x42x21mm

TECHNICAL DATA TR-PLUS	
Operating frequency	433,92MHz
Coding	HCS Rolling code
Dimensions	120x66x12mm

ELECTRICAL CHARACTERISTICS AT +25°C				
Parameter	Min.	Typical	Max.	Notes
Supply voltage (VAC – 50/60Hz)	100V		250V	
Power consumption (Standby – reception only)		0,3W		
Power consumption (1 active relay)		0,8W		
Power consumption (2 active relays)		1,4W		
Operating frequency		433,92MHz		
Free space range		150m		
Range inside buildings		20m		
Nr. of storable remote controls			30	
Start-up time		2s		
Time for command execution		0,5s		
Output contacts current VAC			5A / 250V (1250W)	resistive load (lighting) *
			2A / 250V (500W)	reactive load (motor)
Protection level		IP20		

* Requires an auxiliary relay when using fluorescent lamps



ACCESSORIES

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CONTROL BOARDS RANGE DE@NET

To automate gates and installations in compliance with the European Safety Rules EN 12453-EN12445



NET230N/C



NET230
PROBOX

COD.	Art.	DESCRIPTION
677610	NET230N/C	<p>Universal digital control board with box (100G) for 1 or 2 operators, 230V AC, 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>(180xh265x90mm)</p>
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 DC, 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



NET724N



COD.	Art.	DESCRIPTION
678271	NET724N	Control board for ADVANCE and SPACE operators (without box, only circuit)
678281	NET724N/XL	Control board ADVANCE/XL, SPACE/L, SPACE/XL and SPACE/XXL (without box, only circuit)



NET-EXPANSION

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

DEVICES FOR DE@NET CONTROL BOARD



PHASE OUT

COD.	Art.	DESCRIPTION
677630	MEMONET	<p>Device for data backup of the NET control boards (radio memory and programming parameters), with USB interface; the USB interface together the management software MEMONET allows you to share the data on your PC for multiple installations and if necessary to copy them onto a new control board.</p> <p>Compatible only with DE@NET boards with serial port (NET230N and NET24N from the version 30, NET724N from version 1).</p>
	MEMOSOFT	<p>Software for storing and managing the database of installations. In combination with the MEMONET device it allows managing and recovering the data of multiple installations and to copy them onto a new control board, if necessary.</p> <p>Can be downloaded from www.deasystem.com.</p>

CONTROL BOARDS RANGE NORMA

To automate gates and installations in compliance with the European Safety Rules EN 12453-EN12445



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 AC 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 AC 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.
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.

SOLAR POWER SYSTEM



**GREEN
ENERGY**



SOLAR PANEL/XL

COD.	Art.	DESCRIPTION
681053	GREEN ENERGY/N	Solar power system to be used for applications with control board NET24N and NET724N. The set includes: box with 18 Ah buffer battery and battery charge control circuit. Solar panel not included. Art. CHARGER included.
681051	CHARGER	Battery charger for GREEN ENERGY
681054	SOLAR PANEL/XL	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	BAT	Rechargeable batteries kit for 24V operators, 12V - 1,2Ah, complete with wiring cables
629291	BAT/LIVI 3-6-9/24	Rechargeable batteries kit for LIVI/N 24V operators, 12V - 1,2Ah, complete with wiring cables and fixing plate
649200	BAT/PASS	Batteries set for PASS barriers complete with 2 x 4Ah batteries, fixing plates and connecting cables
649201	BAT/STOP	Batteries set for STOP barriers complete with 2 x 4Ah batteries, fixing plates and connecting cables
639590	BAT/ADV	Batteries set for ADVANCE
175001	117	Rechargeable battery, 12V, 4Ah
175000	117B	Rechargeable battery, 12V, 1,2Ah
175009	117G	Extra battery for GREEN ENERGY

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 (400 x h300 x 200 mm). The key is compatible with the locks of all the breakouts of the DEA System operators.



COD.	Art.
430780	CG KIT
CG KIT with nut 4x(M16)+3x(M12)	

RECEIVERS

NEW



COD.	Art.	DESCRIPTION
675602	281/2	Hardwired 2 channels receiver 433 MHz with capacity to store 1000 transmitters and button assign- ment independently for each transmitter and relay. Power 12V/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 assign- ment independently for each transmitter and relay. Power 12V/24V ac/dc, maximum contact rating 0,5A/30Vdc, supplied with box art.100F (for indoor installation)

RECEIVERS ACCESSORIES



240



240E

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
179006	240E	Supplementary antenna for ADVANCE/SPACE operators

REMOTE CONTROLS

ROLLING CODE REMOTES



COD.	Art.	Power supply	Frequency	Range	Type of encoding	Ch.
672630	GT2	12V alkaline battery	433,92 MHz SAW	250-300m*	HCS Rolling-code**	2
672640	GT4	12V alkaline battery	433,92 MHz SAW	250-300m*	HCS Rolling-code**	4

*with antenna tuned outdoors

**customizable



COD.	Art.	Power supply	Frequency	Range	Type of encoding	Ch.
672632	GT2/868	12V alkaline battery	868 MHz SAW	250-300m*	HCS Rolling-code**	2
672642	GT4/868	12V alkaline battery	868 MHz SAW	250-300m*	HCS Rolling-code**	4

*with antenna tuned outdoors

**customizable



COD.	Art.	Power supply	Frequency	Range	Type of encoding	Ch.
672631	GT2N	12V alkaline battery	433,92 MHz SAW	250-300m*	HCS Rolling-code**	2
672641	GT4N	12V alkaline battery	433,92 MHz SAW	250-300m*	HCS Rolling-code**	4

*with antenna tuned outdoors

**customizable

CLONABLE REMOTES

Operating in Rolling code or fixed code to create a copy of a master remote control (dip switch or Rolling code)



DOUBLE FUNCTION:
Rolling code and clonable!

COD.	Art.	Power supply	Frequency	Range	Type of encoding	Ch.
672600	GT2M	12V alkaline battery	433,92 MHz SAW	250-300m*	HCS rolling-code by default (to be set in 12bit fixed code or HCS fixed)	2
672610	GT4M	12V alkaline battery	433,92 MHz SAW	250-300m*	HCS rolling-code by default (to be set in 12bit fixed code or HCS fixed)	4

*with antenna tuned outdoors

**customizable

WALL SUPPORT



COD.	Art.	DESCRIPTION
679191	GT-WALL	White wall support for transmitter art. GT
679192	GT-WALL/N	White wall support for transmitter art. GT

KEYPAD



DIGIRAD

COD.	Art.	DESCRIPTION
663280	DIGIRAD	Wireless keypad (74,5xh112x40mm)

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



CoinPROX



CardPROX

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-G 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

COD.	Art.	DESCRIPTION
662080	LINEAR/XS	Pair of mini photocell 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 (56xh155x55mm)



BSF



COVER

COD.	Art.	DESCRIPTION
681060	COVER	Vandal-proof aluminium cover for LINEAR and LINEAR/B photocells (2 pcs) (56xh155x55mm)
649160	BSF	Bracket for LINEAR photocells



PILLY 60 - 120



PILLY/BASE

COD.	Art.	DESCRIPTION
664000	PILLY/60	55cm column for photocell (2 pcs)
664010	PILLY/120	100cm column for photocell and accessories (2 pcs)
664020	PILLY/BASE	Support to be cemented for column (160xh48x100mm)

LOOP DETECTORS



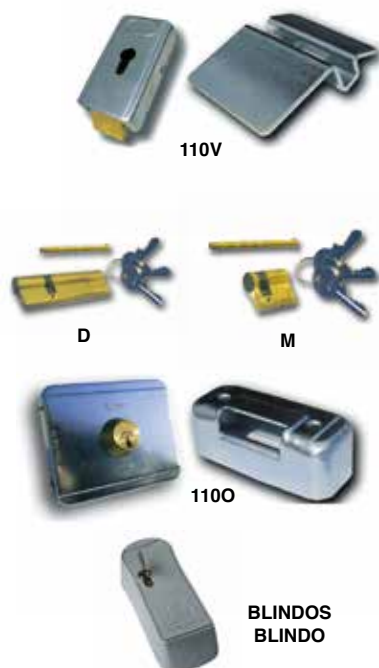
COD.	Art.	DESCRIPTION
667061	LOOP230/1	Loop detector, 1 channel
667071	LOOP230/2	Loop detector, 2 channels

FLASHING LIGHTS

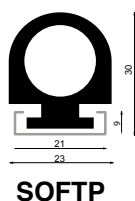
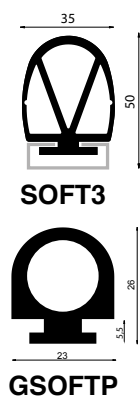


COD.	Art.	DESCRIPTION
661063	AURA230	230V AC flashing light LED, with integrated antenna, 433 MHz (85xh140x42mm)
661083	AURA24	24V DC flashing light LED, with integrated antenna, 433 MHz (85xh140x42mm)
649180	CLED230	Flashing light circuit 230V AC for STOP barriers (to be installed under the barrier cover)
649181	CLED24	Flashing light circuit 24V DC for STOP and PASS barriers (to be installed under the barrier cover)

LOCKS AND ACCESSORIES



COD.	Art.	DESCRIPTION
136006	110V	Vertical electric lock (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
136024	1100	Horizontal electric lock complete with double cylinder and horizontal selvage
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



PASSIVE EDGES

COD.	Art.	DESCRIPTION
667053	SOFT3	Safety 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) 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 K Ω L=1,6m
171044	CC-20	Conductive safety edge 8.2 K Ω L=2m
171045	CC-25	Conductive safety edge 8.2 K Ω 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

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)

MOTOSHAFT



SHUTTER DOOR AUTOMATION

MOTOSHAFT

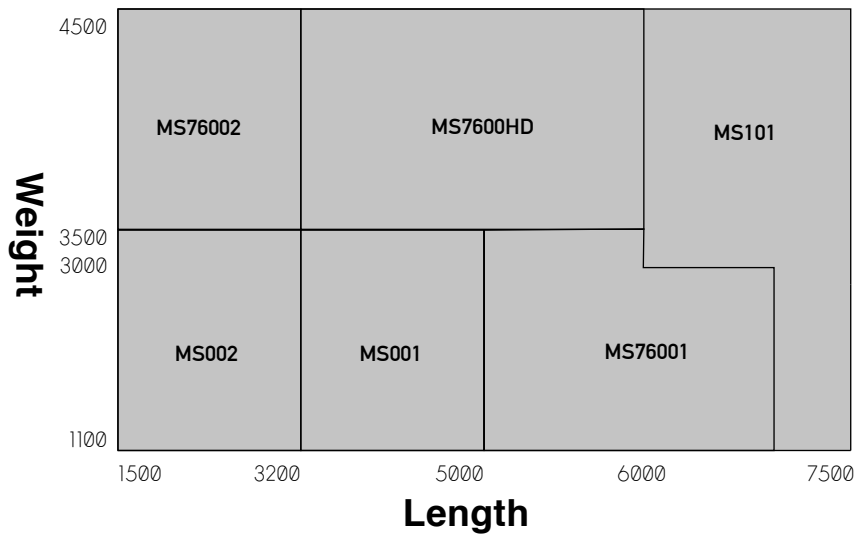
Shutter Door Automation

Motoshaft uses 24V or 230V motors with constant force springs on a custom length shaft.

Application: Shopfronts, hoist, selfstorage, backdoors



Aluminium & Plastic Shutter Curtains



SPECIFIED

Motoshaft is a tailor-made system fabricated to meet the specs of each project.

LIGHT

Being the lightest door motor available, installs may not need heavy lifting equipment. Two installers can often do the installation unassisted.

PRE-WIRED

Motoshaft arrives on site ready to plug into a power point. Pre-wired power cables are 1m long with a 3-pin plug.

SAFE

Constant-force springs remove the need for installers to tension springs on site.

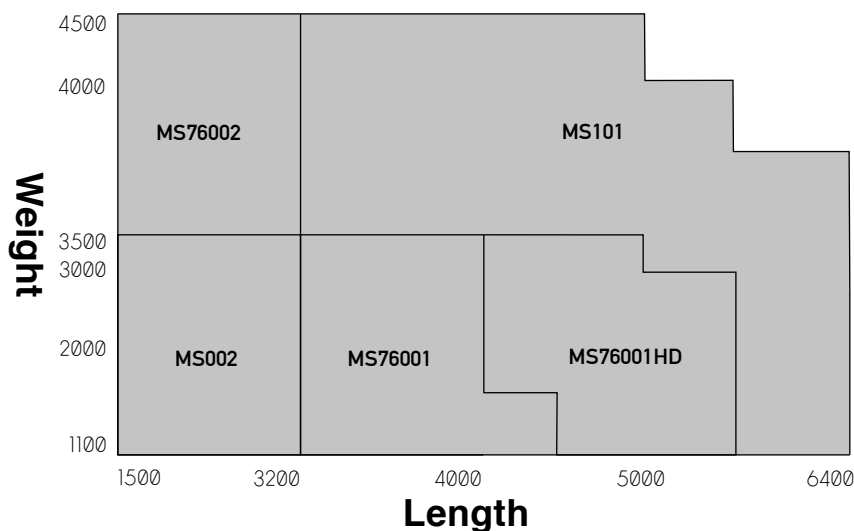
Balanced and tensioned during production, Motoshaft arrives on site ready to be bolted in place.

24 or 240V?

Depending on the application's demands, Motoshaft will have 24V or 230V motors fitted.

All models connect to a single power point.

Steel Shutter Curtains



Made in
Melbourne
by Downee.

MAX. SHUTTER SPECS:
250kg 4.5 high x 7.0 wide

motoshaft@downee.com.au
(03) 9300 5160

SUPER LIGHT! MOST MOTOSHAFTE CAN BE INSTALLED BY TWO GUYS.

Motoshaft uses 24V or 230V motors with constant force springs on a custom length shaft.



They're fast and easy to install.

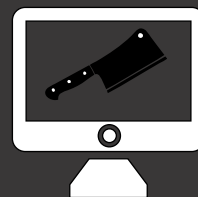
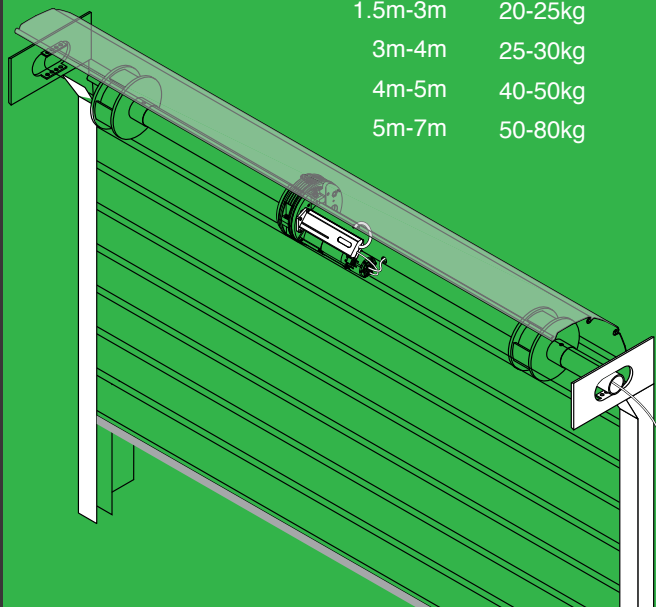
Send us the shutter curtain size and our engineers will spec the shaft system, ready to be bolted into place.

Motoshaft uses a 24V or 230V central motor, constant force springs mounted on shaft cut-to-size.

230V motors are used in low-frequency shutters. (30% duty cycle) 24V Motoshaft is for the busy shutters (70% duty cycle)

LENGTH WEIGHT

1.5m-3m	20-25kg
3m-4m	25-30kg
4m-5m	40-50kg
5m-7m	50-80kg



INSTALLATION SUPPORT

See the Motoshaft install, wiring, set-up and adjustments videos on the Downee YouTube channel.

- Complete Install
- Wiring
- Shutter open & close position.
- Travel time.
- Deadman mode
- 24V & 230V



D SPEC

Adelaide, Brisbane, Melbourne, Perth, Sydney, Auckland

d-spec.com.au

A division of Downee