



Automation for gates and doors



Catalogue 2024

> EN

2024



GENERIC icons



Article



Patented



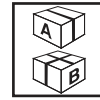
Product in conformity with European rules



Quantity per package



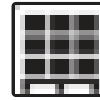
Diameter



Quantity per package type
Small multi-box (A)
Large multi-box (B)



Operator with Encoder for position management and obstacles detection



Max packaging per pallet



Operator with 2 channels Encoder for position management and obstacles detection



3 years warranty



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



Integrated control board



Electric-lock



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



Speed



Motor power supply



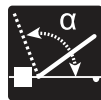
SPECIFIC icons



Bollard's height



Maximum Thrust



Maximum opening angle



Maximum door weight



Rounds per minute



Product weight



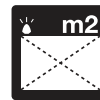
Stroke



Thickness



Traction force



Maximum surface



Boom length



Opening time













Maximum door length



Inverter technology



Maximum daily handling

	[	LIVI/X.....	16
		REV.....	22
		GULLIVER/N.....	26
	[	MAC.....	34
		STING.....	38
		LOOK.....	42
		OLI/N.....	46
		GEKO/X.....	50
		LIVI 502.....	56
		ANGOLO.....	60
		KIT LIVI 500.....	63
		GHOST 100.....	64
GHOST 200.....	68		
	[	LIVI 902.....	80
	[	ADVANCE/N.....	86
		SPACE/N.....	90
		TEO 700.....	94
	[	LATO.....	98
	[	LIVI 550 PL.....	102
	[	WILL 140 E.....	105
	[	PASS/N.....	110
		STOP/N.....	114
		TRAFIK/N.....	118
	[	ROCK.....	124
	[	NETLINK DEVICES AND ACCESSORIES.....	129

1993

Piovene Rocchette - Italy

DEA System comes to life

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



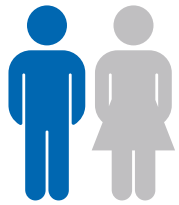
Branches in EEC and non-EEC countries

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

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

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





240

People all over the world



2

Production plants in Italy





DEA goes green because we care about future

Here are the macro-categories we are working on



Digitising documents and reducing paper waste



Switching to electric vehicles and rail transport



Use of packaging made of recycled cardboard



Improving energy efficiency in production facilities



Construction of a new 0% emissions plant



Supply chain management

Experience the world motorbike
championship with DEA



Official Sponsor



Improved aesthetics and features



Additional protection of the release system for increased reliability. New transparent control unit box with easy opening system.

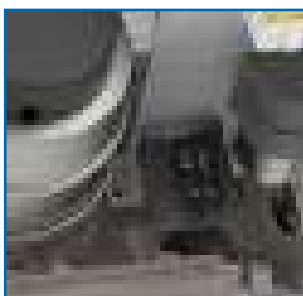


New slotted fixing holes offer greater adjustment during installation, ensuring backward compatibility with previous LIVI models



New design with the possibility of installing an LED strip (optional LED kit - **available Q2 2024**)

New ABS crankcase for greater weather resistance. Increased degree of protection compared to previous models (IP44)



The LIVI/X is equipped with a new magnetic limit switch system, consisting of a new technology sensor and a set of magnets attached to the multi-adjustable rack.

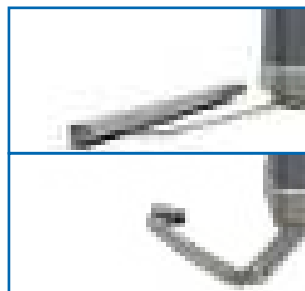




New design, improved features and performance



New protection of the release system and control board, for greater reliability over time.

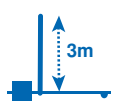


New gearbox increases opening speed by 30%.

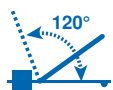


New rechargeable battery kit, with fixing bracket, to be installed inside the operator.

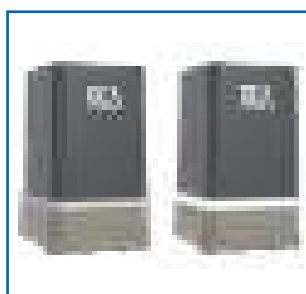
New ABS crankcase, for improved weather resistance, and new articulated arm design



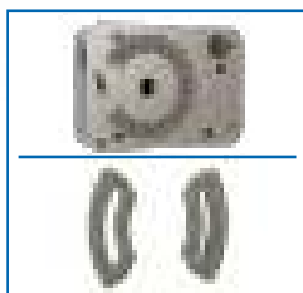
Maximum leaf length up to 3m



Door opening up to 120°



New design with the option of installing an LED strip (optional LED kit - **available Q2 2024**)



New mechanical stops, with more fixing points and improved precision

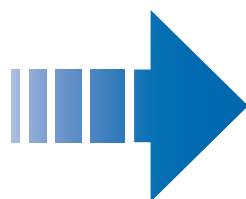


New colours and improved features

REV



1400kg

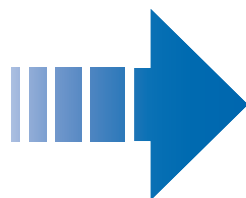


New magnetic limit switch for all models

LIVI 502



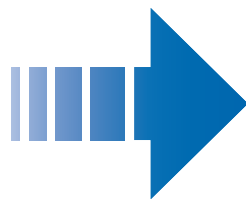
4,5m



ANGOLO



2,3m



New articulated arm design

All the advantages of the magnetic limit switch



Increased IP rating

Magnetic limit switches provide complete enclosure of the operator housing preventing dust and water ingress



Wear resistance

Less wear and tear over time due to the absence of mechanical parts subject to rubbing or contact, thus reducing the risk of malfunctioning



Less maintenance

Due to their design without mechanical parts, magnetic limit switches require less maintenance than mechanical ones



Sensitivity

Magnetic limit switches guarantee detection of the open and closed position in all weather conditions



Robustness

The magnet fixing plates to the rack are solid and multi-adjustable.



The entire sliding range is equipped with magnetic limit switches.

LIVI/X



REV



GULLIVER/N



Fast operator range - BOOST

Why choose a boost operator?

BOOST operators are the ideal choice in contexts where fast opening and closing is required.

LIVI 6/24X/M-BOOST



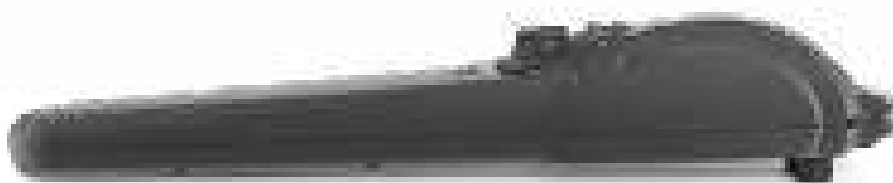
For full details, see the specific section on page 16

REV24/M BOOST



For full details, see the specific section on page 22

STING/24NET BOOST



For full details, see the specific section on page 38

SPACE/N/L BOOST



For full details, see the relevant section on page 90



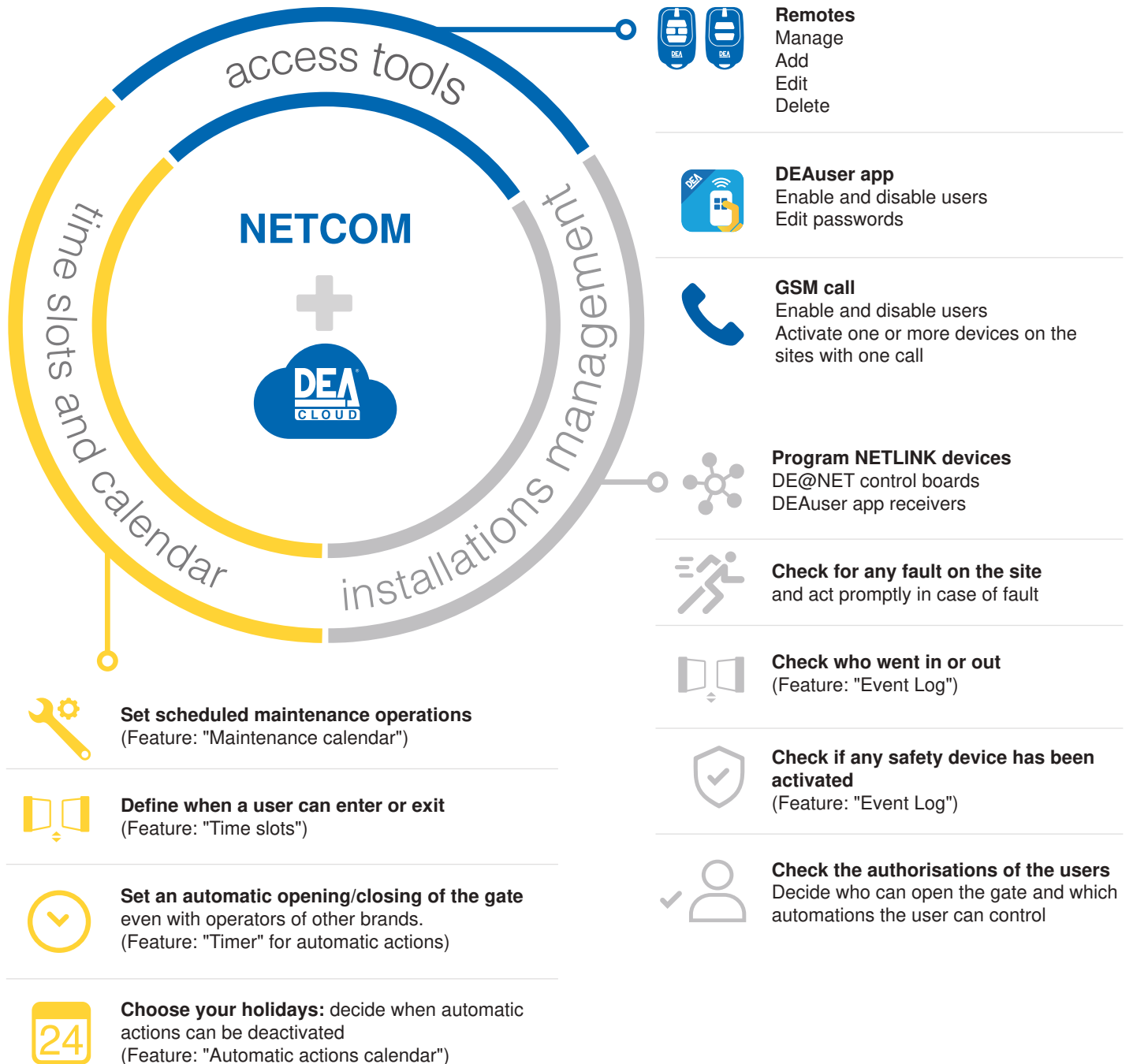
NETCOM

Installations maintenance and remotes management.

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

Remote management

NETCOM is a multi-faceted tool that adapts to different kinds of usage. **Available in 2G and 4G**



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

<https://cloud.deasystem.com>



Watch the video!



	features	NETCOM + SIM BASE	NETCOM + SIM PRO	NETCOM
general	M2M SIM (machine to machine)	* Prepaid 2G / 3G / 4G multi operator SIM valid for 5 years (max. 2MB/month)	* Prepaid 2G / 3G / 4G multi operator SIM valid for 5 years (max. 10MB/month)	without SIM
	programming with DEACloud through:	SIM (remote connection)	SIM (remote connection)	USB (local connection)
	editing parameters remotely	✓	✓	✗
	enabling the "Manager" account	✓	✓	✗
access tools	access through a GSM call (200 phone numbers can be registered)	✓	✓	✗
	access to all features of remote control management	✓	✓	✓ only locally and only with Windows
	using DEAUser app (commands and gate status) (200 APP recordable)	✗	✓ up to 200 connections **	✗ without SIM ✓ with a SIM by other operators or art. LAN-EXP
installation management	programming NETLINK devices (DE@NET control boards, DEA receivers)	✓	✓	✗ remotely
				✓ locally
	checking the status of the system	✓	✓	✗ remotely
				✓ locally with USB or art. NET-NODE
	check the "EVENT LOG"	✓	✓	✗ remotely
				✓ locally
	quick intervention in case of faults	✓	✓	✗ remotely
				✓ locally
access to all features of maintenance management	✓ with DEACloud	✓ with DEACloud	✓ with DEACloud	
define which automations that can be controlled by the user (Feature "Profiles")	✓	✓	✓	
time slots and calendar	feature "Timer" for automatic actions	✓	✓	✓
	setting the time slots for the user access (Feature "Profiles")	✓	✓	✓
	feature "Calendar" to set up which days are to be considered add holidays	✓	✓	✓

* SIM only works in European community countries, such as: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Gibraltar, Greece, Guadeloupe, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Holland, Norway, Poland, Portugal, Reunion, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom.

** the number of connections may vary depending on the quality of the signal and the amount of data used for programming and managing the system



SLIDING GATES



Automation for residential, collective and industrial sliding gates

NEW



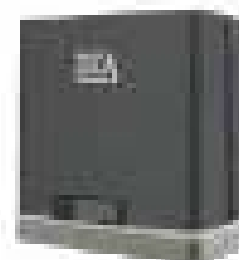
LIVI/X

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



REV

- Up to 1400 kg
- 230V / 24V
- Collective and industrial use
- Operators with encoder, not self-locking version available
- Available in fast version, BOOST models (26m/min)



GULLIVER/N

- Up to 3000 kg
- 230V / 230V 3~
- Industrial use
- Operators with encoder, available with electro-mechanical brake
- Inverter technology with speed control from 12÷20 m/min (only for three-phase versions)

SELECTION GUIDE

Select the right automation

		Art.					
	600 kg	LIVI 6X/M	10 m/min	230V	✓		
		LIVI 6/24X/M	10 m/min	24V			
		LIVI 6/24X/M-BOOST	16 m/min	24V			
		LIVI 6X/E/M	10 m/min	230V			
	900 kg	LIVI 9X/M	10 m/min	230V	✓		
		LIVI 9/24X/M	10 m/min	24V			
		LIVI 9X/E/M	10 m/min	230V			
	1200 kg	REV24/M BOOST	26 m/min	24V			
	1400 kg	REV220/RFM	10 m/min	230V		✓	
		REV220/M	10 m/min	230V			
		REV24/M	12 m/min	24V			
	2500 kg	GULLIVER/N/M	10,4 m/min	230V	✓		
		GULLIVER/N/400/3P/M	10 m/min	400V	✓		
	3000 kg	GULLIVER/N/3P/M	12 ÷ 20 m/min	230V	✓		✓
GULLIVER/N/3P/F/M		12 ÷ 20 m/min	230V	✓		✓	



**Automation for residential sliding gates
up to 900 Kg**





LIVI/X

Improved aesthetics and features



Additional protection of the release system for increased reliability. New transparent control unit box with easy opening system.

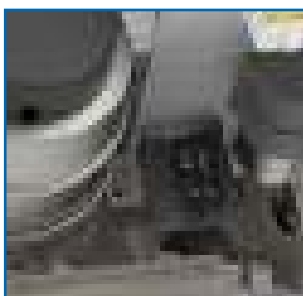


New slotted fixing holes offer greater adjustment during installation, ensuring backward compatibility with previous LIVI models



New design with the possibility of installing an LED strip (optional LED kit - **available Q2 2024**)

New ABS crankcase for greater weather resistance. Increased degree of protection compared to previous models (IP44)



The LIVI/X is equipped with a new magnetic limit switch system, consisting of a new technology sensor and a set of magnets attached to the multi-adjustable rack.



LIVI/X	Opening speed	10 m/min
LIVI/X-BOOST		16 m/min

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

Reliability as always



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



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



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



230V versions are equipped with a physical encoder for better control and obstacle detection



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



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



LIVI/X OPERATORS

COD.	Art.	DEA	⚡	Kg	EU COD SR	🏠	kg	📏	£	OTHER CHARACTERISTICS
611000	LIVI 6X/M	NET230N	230V	600	✓	M	11	48		<ul style="list-style-type: none"> Self-locking with magnetic limit switch Speed adjustment and slow down in opening and closing Motor control by encoder and obstacle detection Anti-crashing safety device
612000	LIVI 9X/M	NET230N	230V	900	✓	M	12,5	48		<ul style="list-style-type: none"> Self-locking with magnetic limit switch Speed adjustment and slow down in opening and closing Motor control by encoder and obstacle detection Anti-crashing safety device
611010	LIVI 6X/E/M*	212E	230V	400		M	11	48	not available	<ul style="list-style-type: none"> ATTENTION: not compatible with NETLINK Self-locking with magnetic limit switch Electronic force adjustment Automatic working time learning Controlled input for external safety device
612010	LIVI 9X/E/M*	212E	230V	800		M	12,5	48	not available	<ul style="list-style-type: none"> ATTENTION: not compatible with NETLINK Self-locking with magnetic limit switch Electronic force adjustment Automatic working time learning Controlled input for external safety device
611100	LIVI 6/24X/M	NET24N	24V	600		M	12	48		<ul style="list-style-type: none"> Self-locking with magnetic limit switch Speed adjustment and slow down in opening and closing Anti-crashing safety device Versions with increased speed only in BOOST models (16m/min)
611110	LIVI 6/24X/M-BOOST (16m/min)	NET24N	24V	600		M	12	48		<ul style="list-style-type: none"> Self-locking with magnetic limit switch Speed adjustment and slow down in opening and closing Anti-crashing safety device Versions with increased speed only in BOOST models (16m/min)
612100	LIVI 9/24X/M	NET24N	24V	900		M	12	48		<ul style="list-style-type: none"> Self-locking with magnetic limit switch Speed adjustment and slow down in opening and closing Anti-crashing safety device Versions with increased speed only in BOOST models (16m/min)

For all models: control board and fixing plate included

*ATTENTION: models NOT compatible with NETLINK

KIT LIVI/X

COD.	Art.		kg	kg	📏	£
-	KIT LIVI 6X/M	LIVI 6X/M (NET230N) + LINEAR + AURA/N + 2xGTI2 + WARNING SIGN	600	11,8	48	
-	KIT LIVI 9X/M	LIVI 9X/M (NET230N) + LINEAR + AURA/N + 2xGTI2 + WARNING SIGN	900	13,2	48	
-	KIT LIVI 6/24X/M	LIVI 6/24X/M (NET24N) + LINEAR + AURA/N + 2xGTI2 + WARNING SIGN	600	12,8	48	
-	KIT LIVI 6/24X/M-BOOST	LIVI 6/24X/M-BOOST (NET24N) + LINEAR/XS + AURA/N + 2xGTI4	600	12,8	48	
-	KIT LIVI 9/24X/M	LIVI 9/24X/M (NET24N) + LINEAR + AURA/N + 2xGTI2 + WARNING SIGN	900	12,8	48	



COD. 611000
Art. LIVI 6X/M
Automation for residential sliding gates



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



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




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



COD. 301020
Art. WARNING SIGN

	LIVI 6X/M LIVI 6/XE/M	LIVI 9X/M LIVI 9/XE/M	LIVI 6/24X	LIVI 6/24X/M BOOST	LIVI 9/24X/M
Motor power supply (V)	230 - 240 V ~ (50/60 Hz)				
Motor power supply voltage (V)	230 V ~		24 V ===		
Maximum Power (W)	320	450	80		110
Max thrust (N)	340	490	210	240	260
Duty cycle (cycles/hour) - Gate L=5 metres	18	11	22		18
N. max cycles in 24h. - Gate L=5 metres	60	40	60		40
Leaf max weight (kg)	600	900	600		900
Built-in capacitor (µF)	8	12,5		-	
Motor thermal protection (°C)	140°C	160°C		-	
Operating temperature (°C)	-20÷50 °C				
Speed (m/min)	10		10	16	10
Standard pinion	Z=16 (m=4mm)				
Weight with packing (Kg)	11	12,5	12		
Sound pressure (dBA)	< 70				
Protection level	IP44				

SPECIFIC ACCESSORIES



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

1




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

1



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


1



COD. 629293
Art. KIT BAT LIVI/X-GEKO/X
Rechargeable batteries kit, 12V - 1,2Ah, complete with wiring cables and fixing plate for GEKO/X and LIVI/X

1

NEW



COD. 629294
Art. BAT/LIVI/X-GEKO/X SUPPORT
Battery bracket for GEKO/X with fixing screws

1

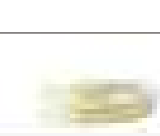
NEW



COD. 661140
Art. KIT LED/X
Led kit for GEKO/X and LIVI/X consisting of 60 cm COB led strip (white light) + power supply + relay

1

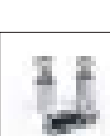
NEW



COD. 661141
Art. LED/X
60 cm COB led strip (white light), without power supply (for second operator)

1


NEW



COD. 619015
Art. KIT ADA LIVI/N
Kit for replacing LIVI/N with LIVI/X

1


NEW



COD. 619014
Art. KIT ADA LIVI MULTIBRAND
Base for multi-brand plate adaptation

1


NEW



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

500


Order in multiples of 10



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

500

Order in multiples of 4

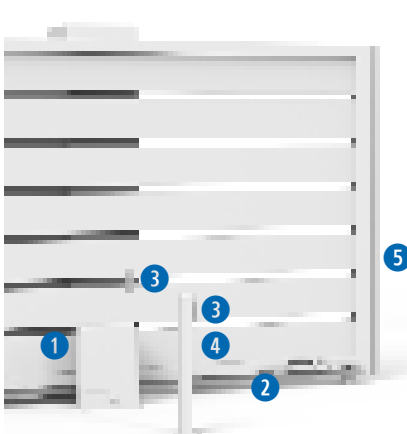


COD. 126000
Art. 113
Galvanized steel rack 30x12mm with zinc-plated spacers and fixing screws (1m)

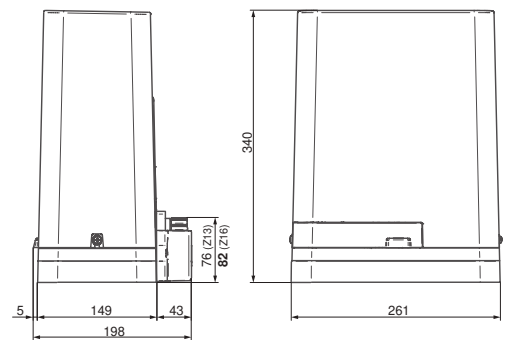
500

Order in multiples of 4


EXAMPLE OF A TYPICAL INSTALLATION




DIMENSIONS



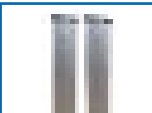

1 COD. 611000
LIVI 6X/M



2 COD. 619000
111



3 COD. 662080
LINEAR/XS




4 COD. 664000
PILLY/60



5 COD. 171035
C-20



6 COD. 663090
GT-KEY



7 COD. 661130
AURA/N



COD. 672645
GTI4

REV



**Automation for collective and industrial sliding gates
up to 1400 Kg**



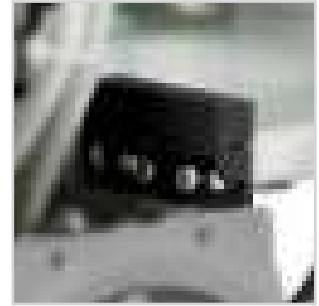
REV



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



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



The REV is equipped with a new magnetic limit switch system, consisting of a new technology sensor and a set of magnets attached to the multi-adjustable rack.

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



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



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



REV24/M BOOST

Opening speed

26 m/min



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

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



REV OPERATORS - control board and fixing plate included

COD.	Art.	DEA	⚡	100kg	IRONBOX	⌚	🏁	kg	☰	£	OTHER CHARACTERISTICS
616003	REV220/M	NET230N	230V	1400	✓		M	18	30		<ul style="list-style-type: none"> • Self-locking • Magnetic limit switches • Speed adjustment and slow down in opening and closing
616004	REV220/RFM	NET230N	230V	1400	✓	✓	M	18	30		<ul style="list-style-type: none"> • Not self-locking with brake in opening and closing • Oil bath • Magnetic limit switches • Speed adjustment and slow down in opening and closing
616012	REV24/M	NET24N	24V	1400			M	18	30		<ul style="list-style-type: none"> • Self-locking • Magnetic limit switches • Speed adjustment and slow down in opening and closing
616025	REV24/M BOOST	NET24N BOOST	24V	1200			M	18	30		<ul style="list-style-type: none"> • Self-locking • Magnetic limit switches • Speed adjustment and slow down in opening and closing



REV/IB OPERATORS - without cover, control board and limit switch

COD.	Art.	DEA	⚡	100kg	IRONBOX	⌚	🏁	kg	☰	£	OTHER CHARACTERISTICS
616005	REV220/IB *		230V	1400	✓			17	30		<ul style="list-style-type: none"> • Self-locking • Magnetic limit switches inside IRONBOX • Pinion Z18/IB
616006	REV220/RF/IB *		230V	1400	✓	✓		17	30		<ul style="list-style-type: none"> • Not self-locking, with brake • Magnetic limit switches inside IRONBOX • Oil bath • Pinion Z15/IB
616013	REV24/IB**		24V	1400				17	30		<ul style="list-style-type: none"> • Self-locking • Magnetic limit switches inside IRONBOX • Pinion Z18/IB

*Control board to complete the installation with IRONBOX NET230N/C code 677610 (with box)

**Control board to complete the installation with IRONBOX NET24N/C250 code 678263 (with box and 250W transformer)


TECHNICAL INFO	REV220/M REV220/IB	REV220/RFM REV220/RF/IB	REV24/M REV24/IB	REV24/M BOOST
Motor power supply (V)	230V ± 10 % (50/60 Hz)		24V =	
Maximum power absorption (W)	500		250	800
Max thrust (N)	900	1200	450	861
Leaf max weight (kg)	1400Kg			1200Kg
Duty cycle (cycles/hours) for an 8m leaf length	27 for gates up to 1000kg 22 for gates up to 1400kg		36 for gates up to 1000kg 31 for gates up to 1400kg	22 for gates up to 1200kg
Built-in capacitor (µF)	14	12.5	\	
Operating temperature (°C)	(-20°) - (50°)			
Motor thermal protection (°C)	150		\	
Speed (m/min)	10		12	26
Standard pinion	Z18	Z15	Z18	
Weight with packing (Kg)	18			
Sound pressure (dBA)	< 70			
Protection level	IPX4 (IP44 with magnetic limit switches)			

SPECIFIC ACCESSORIES




COD.619080
Art. IRONBOX
RAL 7016 painted steel
vandal-proof box for REV and
GULLIVER/N with magnetic limit
switch and foundation plate
Dim. mm b 594 x h 1002 x p 280
(without pinion)

1



COD. 619100
Art. IRONBOX/XS
Painted steel vandal-proof box for
REV and GULLIVER with magnetic
limit switch and foundation plate
Dim. mm b 359 x h 607 x p 219
(without pinion)


1



COD. 619090
Art. Pignone Z22*
Oversized pinion for REV
M=4 Z=22 Ø=96mm h=30mm

1

**The maximum weight of the leaf should be
reduced by 30%*
**WARNING: Not to be used with REV24/M
BOOST**




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

1



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

1



COD. 619074
Art. FM/IB V2
Magnetic limit switch for IB version

1




COD. 360674
Art. Pignone Z15/IB REV
Galvanized pinion for IRONBOX M=4
Z=15 Øe=68mm h=60mm (REV/
RF/IB)

1




COD. 360673
Art. Pignone Z18/IB REV
Galvanized pinion for IRONBOX M=4
Z=18 Ø=80mm h=60mm (REV220/
IB, REV24/IB)

1



COD. 386830
Art. REV/B
Additional foundation base
for REV
H = 40mm


1



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

500


Order in multiples of 10



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

500

Order in multiples of 4

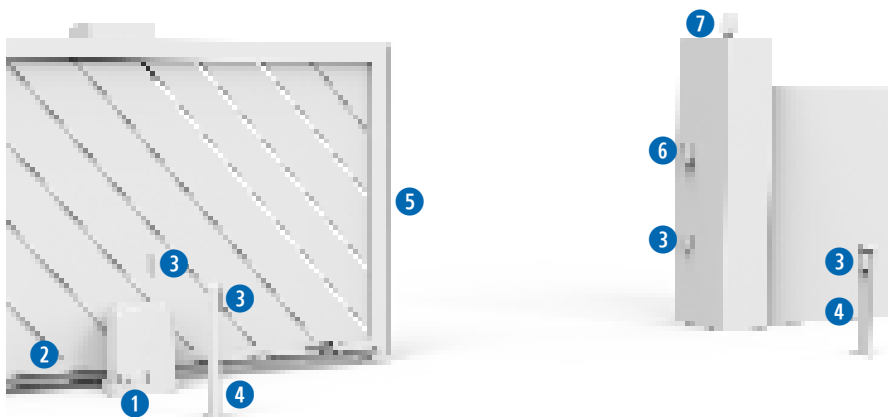


COD. 126000
Art. 113
Galvanized steel rack
30x12mm with zinc-plated
spacers and fixing screws
(1m)

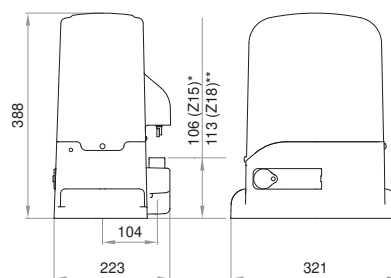
500

Order in multiples of 4

EXAMPLE OF A TYPICAL INSTALLATION



DIMENSIONS




* art. REV220/RF - REV220RFM


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



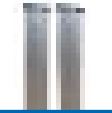
1 COD. 616003
REV220/M



2 COD. 126000
113



3 COD. 662080
LINEAR/XS




4 COD. 664000
PILLY/60



5 COD. 171035
C-20



6 COD. 663090
GT-KEY



7 COD. 661130
AURA/N



COD. 672645
GT14



COD. 301020
WARNING SIGN

GULLIVER/N



Automation for industrial sliding gates

up to 3000 Kg



GULLIVER/N



Operator with encoder technology and forced ventilation for intensive use



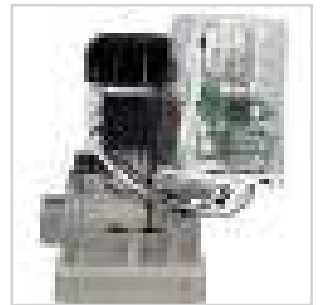
Easy depth adjustment and compatibility even on old installations with GULLIVER



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



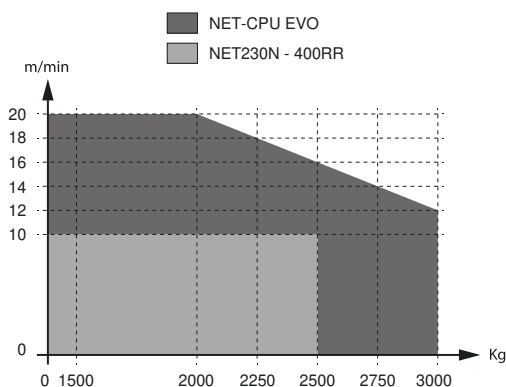
Magnetic limit switch



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

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

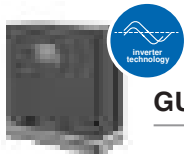
Maximum speed scheme



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



The integrated DE@NET control board makes this operator compatible with the NETLINK system. Also compatible with NETCOM. See p.11 for more information



GULLIVER/N OPERATORS - control board and fixing plate included

COD.	Art.	DEA	⚡	Kg	ENCODER	⚙️	kg	£	OTHER CHARACTERISTICS
613601	GULLIVER/N/M	NET230N	230V	2500	✓		M 30 18		<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
613611	GULLIVER/N/3P/M	NET230 EVO-I	230V	3000	✓	✓	M 30 18		<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 • Inverter technology
613612	GULLIVER/N/3P/F/M	NET230 EVO-I	230V	3000	✓	✓	M 30 18		<ul style="list-style-type: none"> • Self-locking with magnetic limit switch • Speed adjustment and slow down in opening and closing • Motor control by encoder and obstacle detection • Electromechanical braking device (only for version art. GULLIVER/N/3P/F/M) • Inverter technology
613615	GULLIVER/N/400/3P/M	400RR	400V	2500	✓		M 30 18		<ul style="list-style-type: none"> • ATTENTION: NOT COMPATIBLE WITH NETLINK • Self-locking with magnetic limit switch • Speed adjustment and slow down in opening and closing • Motor control by encoder and obstacle detection



GULLIVER/N/IB OPERATORS - without cover, control board and limit switch

COD.	Art.	⚡	Kg	ENCODER	kg	£	OTHER CHARACTERISTICS
613602	GULLIVER/N/IB *	230V	2500	✓	29 18		<ul style="list-style-type: none"> • Self-locking • Magnetic limit switches inside IRONBOX • Motor control by encoder and obstacle detection • Pinion Z18/IB
613613	GULLIVER/N/3P/IB **	230V	3000	✓	29 18		<ul style="list-style-type: none"> • Self-locking • Magnetic limit switches inside IRONBOX • Motor control by encoder and obstacle detection • Pinion Z18/IB

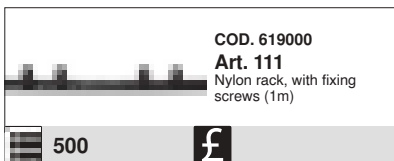
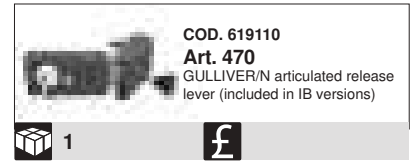
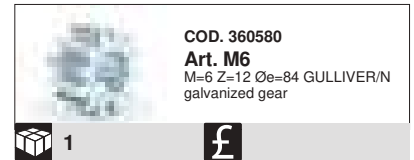
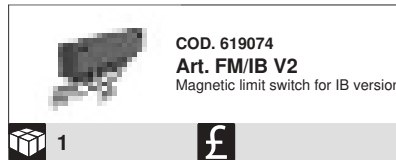
*Control board to complete the installation with IRONBOX NET230N/C code 677610 (with box) or control board cod. 677611 art. NET230N/PROBOX and cod. 679210 art. STEELBOX. **Attention:** not compatible with IRONBOX/XS.

** Control board to complete the installation with IRONBOX NET230EVO-I/C code 677662 (with box) or control board cod. 677663 art. NET230EVO-I-PROBOX and cod. 679210 art. STEELBOX. **Attention:** not compatible with IRONBOX/XS.

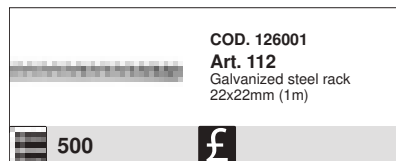
For all IB models: small base and articulated handle included

TECHNICAL INFO	GULLIVER/N/M - GULLIVER/N/IB	GULLIVER/N/3P/M - GULLIVER/N/3P/F/M - GULLIVER/N/3P/IB	GULLIVER/N/400/3P/M
Power supply (V)	230-240 V ~ (50/60 Hz)		400 V ~ (50/60 Hz)
Motor power supply voltage (V)	230 V ~	230 V 3~	400 V 3~
Nominal Power (W)	226	175	-
Maximum power (W)	860	1650	1200
Nominal torque (Nm)	2,6	7	-
Maximum torque (Nm)	47	55	59
Max Thrust (N)	1300	1530	1650
Duty cycle (cycles/hour)	13	18 (12m/min - 60%) 28 (20m/min - 100%)	17
Reference gate leaf length (m)	12		14
Built-in capacitor (µF)	30	-	-
Motor thermal protection (°C)	140 °C		-
Operating temperature range (°C)	-20 ÷ 50 °C		
Opening speed (m/min)	10,4	12 ÷ 20	10
Standard pinion	Z=18 (m=4mm)		
Weight of product with package (Kg)	30		
Sound pressure emitted (dBA)	< 70		
Protection degree	IP55 (IPX0 for /IB versions)		

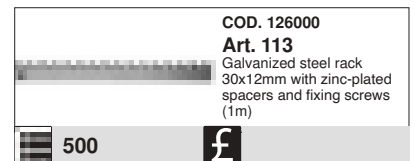
SPECIFIC ACCESSORIES



Order in multiples of 10



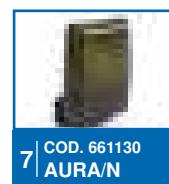
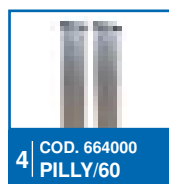
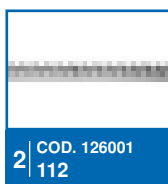
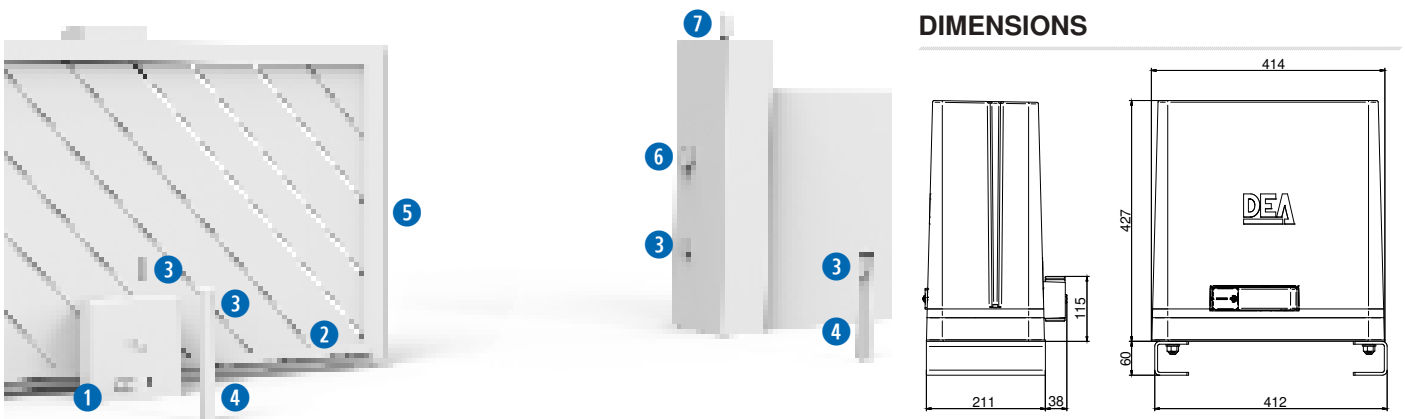
Order in multiples of 4



Order in multiples of 4



EXAMPLE OF A TYPICAL INSTALLATION









Choose the automation for your swing gate

MAC



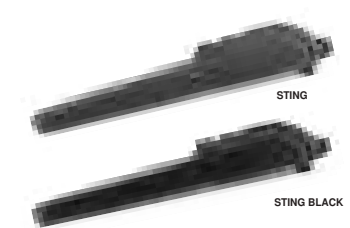
- Up to 3m - 400kg
- 230V / 24V
- For residential and semi-intensive use

LIVI 502



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

STING



- Up to 3,5m - 400kg
- 230V / 24V
- For residential and semi-intensive use
- Available versions with encoder
- Available in fast version, BOOST models (90° ~ 9s)
- Available in reversible version

ANGOLO



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

LOOK



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

GHOST 100



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

OLI/N



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

GHOST 200



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

GEKO/X



- Up to 3m - 250kg
- 24V
- Residential use
- Available versions with articulated or sliding arm

SELECTION GUIDE

Choose the maximum length of your gate



Linear rams

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

Operator with articulated arm

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

Underground operators

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

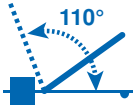
MAC



Electromechanical automation for swing gates
up to 3 m - 400 kg



MAC



Door opening up to 110°

The sturdiness of this operator is guaranteed by the monobloc body



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

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



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



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



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

MAC OPERATORS

COD.	Art.									OTHER CHARACTERISTICS
625010	MAC*	230V	3 m	334 mm	8,8	50				• For leaves up to 3m length
625040	MAC/24**	24V	3 m	334 mm	8,8	50				• For leaves up to 3m length

All models have: fixing plate to be welded included

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

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

KIT MAC

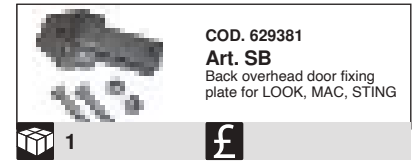
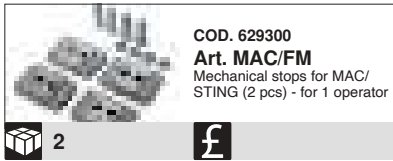
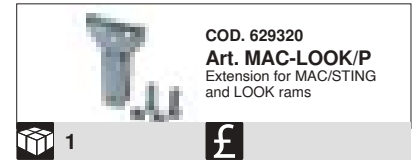
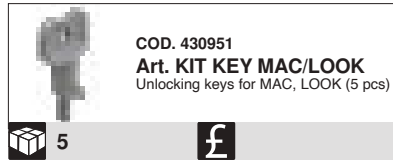
COD.	Art.				
-	KIT MACNET	2xMAC + NET230N/C + LINEAR + AURA/N + 2xGTI2 + WARNING SIGN	3 m	20	25
-	KIT MAC/24NET	2xMAC/24 + NET24N/C + LINEAR + AURA/N + 2xGTI2 + WARNING SIGN	3 m	20	25

 COD. 625010 Art. MAC Electromechanical automation for swing gates	 COD. 677610 Art. NET230N/C Universal digital control board for 1 or 2 operators, 230V with or without magnetic encoder (with box)	 COD. 662044 Art. LINEAR Pair of adjustable photocells (180°) with possibility of synchronized operating. Range 20m	 COD. 661130 Art. AURA N LED flashing light, multi-voltage 24V AC-DC/120V AC/230V AC, with integrated antenna 433MHz/868MHz
 COD. 672635 Art. GTI2 Serialized white 2-channel remote control, 433 MHz, with 3 coding: HCS Rolling-Code, Dip-Switch and new D.A.R.T. coding	 COD. 301020 Art. WARNING SIGN		

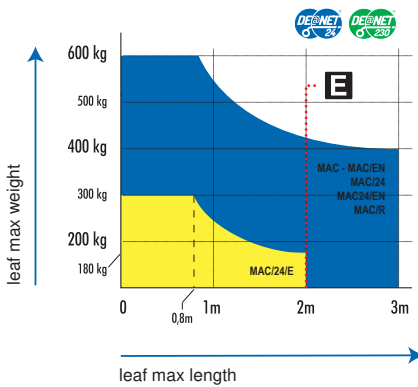
TECHNICAL INFO	MAC	MAC24	MAC24/E
Motor power supply (V)	230V ~ ± 10 % (50/60 Hz)	24V ==	
Maximum power absorption (W)	300	60	50
Max thrust (N)	1650	1000	500
90° Opening time (s)*	16		11,6
Duty cycle (cycles/hours)	18	40	10
N. max cycles in 24h	90		45
Built-in capacitor (µF)	8	/	
Operating temperature (°C)	-20 ÷ 50		
Motor thermal protection (°C)	150	/	
Weight with packing (Kg)	8,8		
Sound pressure (dBA)	< 70		
Protection level	IPX4		

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

SPECIFIC ACCESSORIES



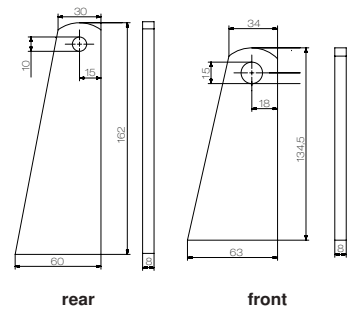
GUIDE TO USE



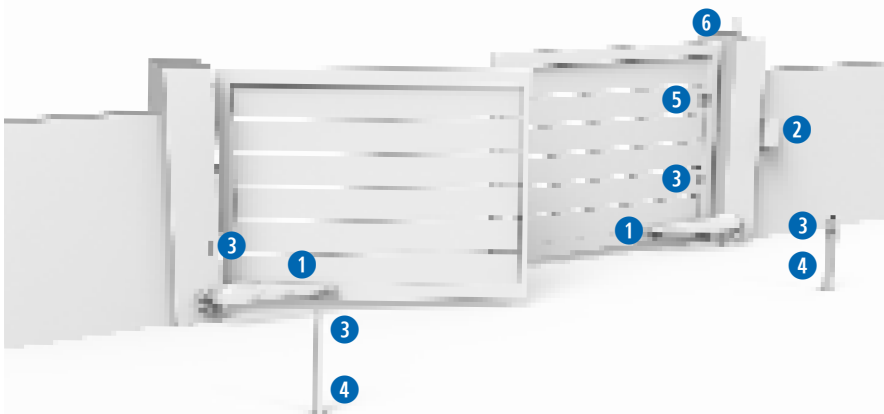
- = MAC - MAC/24
- = MAC/24/E

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

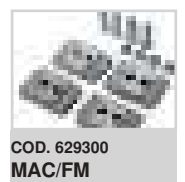
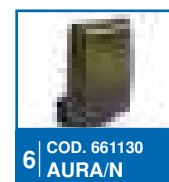
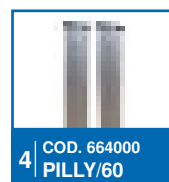
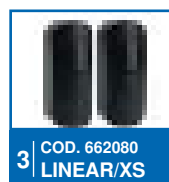
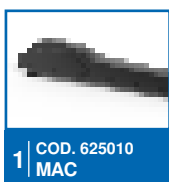
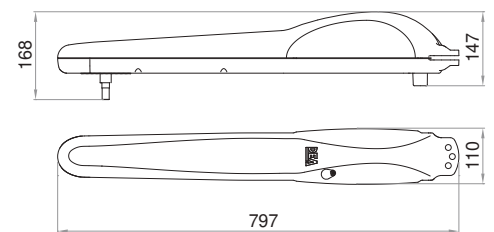
FIXING PLATES



EXAMPLE OF A TYPICAL INSTALLATION



DIMENSIONS



STING

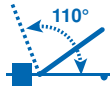


Electromechanical automation for swing gates

up to 3 m - 400 kg



STING



Door opening up to 110°.

Robust and reliable operator, in an enclosed body



Quick unlocking with customised metal key



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

Reversible version
art. STING/24/R



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



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



NETCOM

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



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



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

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

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

STING OPERATORS

COD.	Art.									OTHER CHARACTERISTICS
625050	STING*	230V	3 m		334 mm		8,9	50		• For leaves up to 3m length
625061	STING-BLACK*	230V	3 m		334 mm		8,9	50		• For leaves up to 3m length
625052	STING/EN*	230V	3 m	✓	334 mm		9	50		• With encoder, for leaves up to 3m
625058	STING/EN-BLACK*	230V	3 m	✓	334 mm		9	50		• With encoder, for leaves up to 3m
625051	STING/24**	24V	3 m		334 mm		8,9	50		• For leaves up to 3m length
625059	STING/24-BLACK**	24V	3 m		334 mm		8,9	50		• For leaves up to 3m length
625056	STING/24-BOOST** (37 mm/s)	24V	3 m		334 mm		8,9	50		• For leaves up to 3m length
625060	STING/24/R***	24V	3,5 m		334 mm		8,9	50		• For leaves up to 3,5m length / 300kg • Reversible

All models have: adjustable fixing plates to be screwed included (art. MLS/SFR)

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

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

*** Supplied with: adjustable brackets, 1pc Omron socket (cod. 171503) and 1pc monostable relay (cod. 171504)

KIT STING

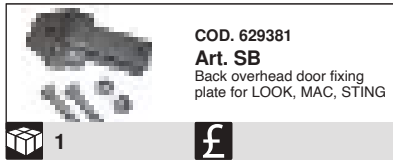
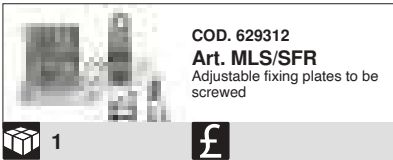
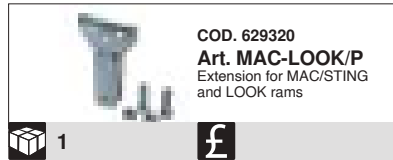
COD.	Art.				
-	KIT STINGNET	2xSTING + NET230N/C + LINEAR + AURA/N + 2xGTI2 + WARNING SIGN	3 m	20	25
-	KIT STING/24NET	2xSTING/24 + NET24N/C + LINEAR+ AURA/N + 2xGTI2 + WARNING SIGN	3 m	20	25
-	KIT STING/24NET-BOOST	2xSTING/24-BOOST + NET24N/C + LINEAR/XS + AURA/N + 2xGTI2 + WARNING SIGN	3 m	20	25
-	KIT STING/NET/EN	2xSTING/EN + NET230N/C + LINEAR + AURA/N + 2xGTI2 + WARNING SIGN	3 m	20	25

COD. 625050 Art. STING Electromechanical automation for swing gates	COD. 677610 Art. NET230N/C Universal digital control board for 1 or 2 operators, 230V with or without magnetic encoder (with box)	COD. 662044 Art. LINEAR Pair of adjustable photoreceptors (180°) with possibility of synchronized operating. Range 20m	COD. 661130 Art. AURA N LED flashing light, multi-voltage 24V AC-DC/120V AC/230V AC, with integrated antenna 433MHz/868MHz
COD. 672635 Art. GTI2 Serialized white 2-channel remote control, 433 MHz, with 3 coding: HCS Rolling-Code, Dip-Switch and new D.A.R.T. coding	COD. 301020 Art. WARNING SIGN		

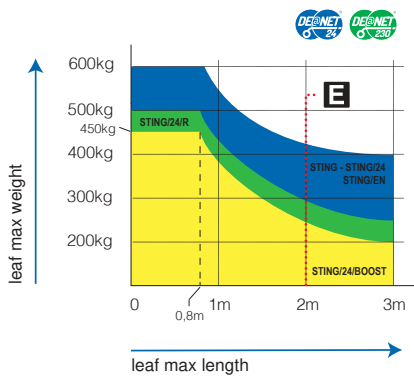
TECHNICAL INFO	STING	STING/EN	STING/24	STING/24-BOOST	STING/24/R
Motor power supply (V)	230V ~ ± 10 % (50/60 Hz)		24V =		24V =
Maximum power absorption (W)	300		60	85	60
Max thrust (N)	1650		1000	1000	1000
90° Opening time (s)*	16			9	11,6
Duty cycle (cycles/hours)	18	22	40		
N. max cycles in 24h.	90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

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

SPECIFIC ACCESSORIES



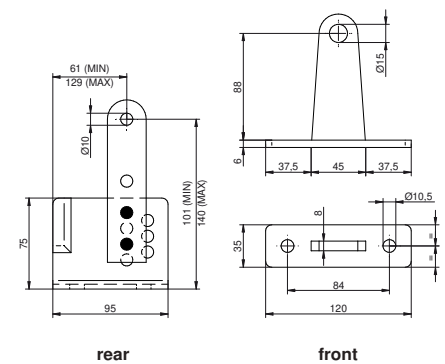
GUIDE TO USE



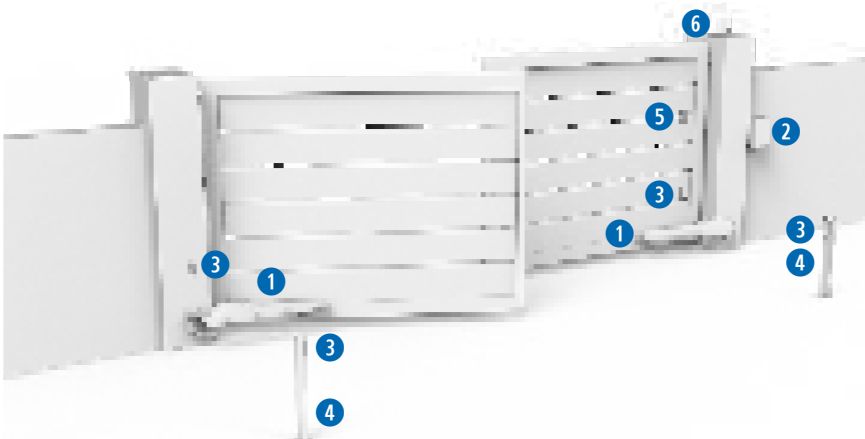
- = STING - STING/24 - STING/EN
- = STING/24/R
- = STING/24/BOOST

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

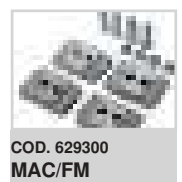
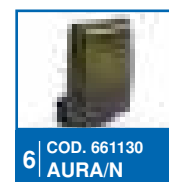
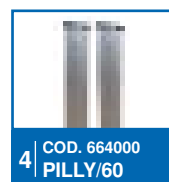
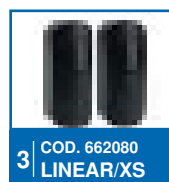
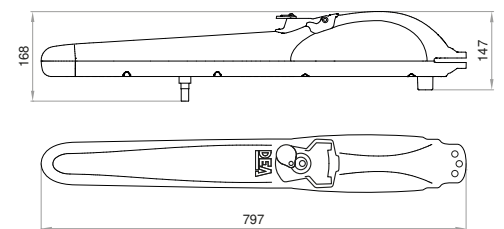
FIXING PLATES



EXAMPLE OF A TYPICAL INSTALLATION



DIMENSIONS



LOOK



Electromechanical automation for swing gates

up to 5 m - 280 kg

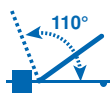


LOOK



Unlocking device with plastic key in case of power failure

The version with encoder guarantees high performance and safety in movement



Door opening up to 110°

Stainless steel telescopic piston that guarantees high resistance against corrosion



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



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



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

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



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

LOOK OPERATORS

COD.	Art.									OTHER CHARACTERISTICS
627000	351/SC*	230V	3 m		320 mm		9	50		• For leaves up to 3m length
627012	351EN/SC*	230V	3 m	✓	320 mm		9	50		• With encoder, for leaves up to 3m length
627053	355/SC*	230V	5 m		520 mm		9,5	40		• For leaves up to 5m length
627052	355EN/SC*	230V	5 m	✓	520 mm		9,5	40		• With encoder, for leaves up to 5m length
627092	371E/SC**	24V	2 m		320 mm		9	50		• For leaves up to 1,8m length
627090	371/SC**	24V	3 m		320 mm		9	50		• For leaves up to 3m length
627111	372/SC**	24V	3 m		320 mm	E	9	50		• With limit switches, for leaves up to 3m length
627123	373/SC**	24V	5 m		520 mm		9,5	40		• For leaves up to 5m length
627131	374/SC**	24V	5 m		520 mm	E	9,5	40		• 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. 677610 art. NET230N/C (with box)

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

KIT LOOK

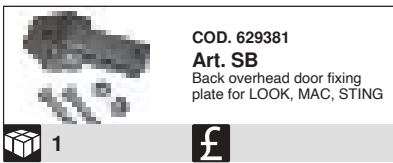
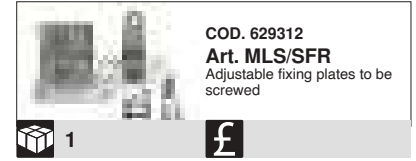
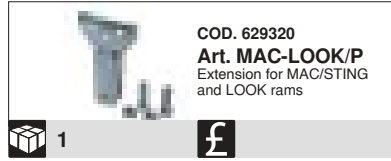
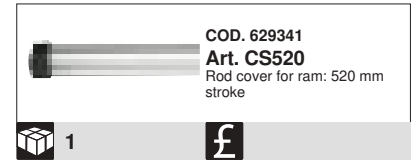
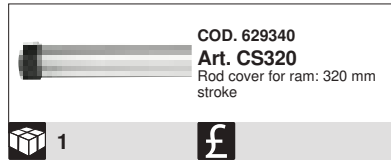
COD.	Art.				
-	KIT 351NET	2x351/SC + NET230N/C + LINEAR + AURA/N + 2xGTI2 + WARNING SIGN	3 m	21	25
-	KIT 371E/NET	2x371E/SC + NET24N/C + LINEAR + AURA/N + 2xGTI2 + WARNING SIGN	2 m	21	25
-	KIT 371NET	2x371/SC + NET24N/C + LINEAR + AURA/N + 2xGTI2 + WARNING SIGN	3 m	21	25

	COD. 627000 Art. 351/SC Electromechanical automation for swing gates		COD. 677610 Art. NET230N/C Universal digital control board for 1 or 2 operators, 230V with or without magnetic encoder (with box)		COD. 662044 Art. LINEAR Pair of adjustable photocells (180°) with possibility of synchronized operating. Range 20m		COD. 661130 Art. AURA N LED flashing light, multi-voltage 24V AC-DC/120V AC/230V AC, with integrated antenna 433MHz/868MHz
	COD. 672635 Art. GTI2 Serialized white 2-channel remote control, 433 MHz, with 3 coding: HCS Rolling-Code, Dip-Switch and new D.A.R.T. coding		COD. 301020 Art. WARNING SIGN				

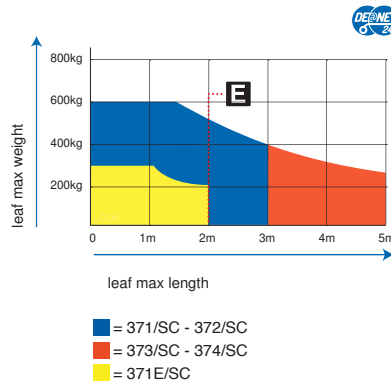
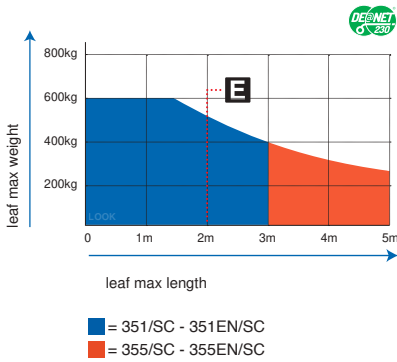
TECHNICAL INFO	351/SC - 351EN/SC	355/SC - 355EN/SC	371/SC - 372/SC	373/SC - 374/SC	371E/SC
Motor power supply (V)	230V ± 10 % (50/60 Hz)		24V =		
Maximum power absorption (W)	300		60		50
Max thrust (N)	1650		1000		500
Time with total stroke (s)	20	33	21	34	21,5
90° Opening time (s)*	16	12,5	15		
Duty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

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

SPECIFIC ACCESSORIES



GUIDE TO USE

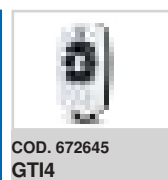
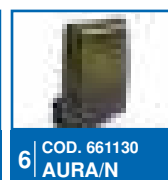
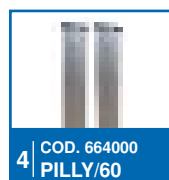
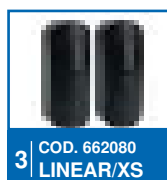
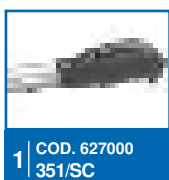
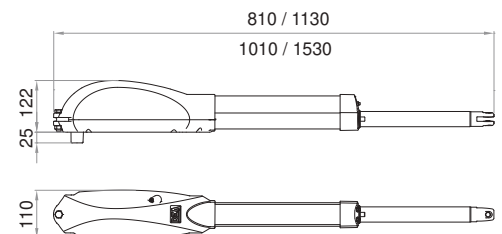


If the leaf length is bigger than 2m or if you use reversible models you must install the electric-lock to block the gate in closed position. The height and the leaf structure, as well as the presence of strong wind, can cause the reduction of the value of the data contained in table or make it necessary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

EXAMPLE OF A TYPICAL INSTALLATION



DIMENSIONS





Hydraulic automation for swing gates

up to 4,5 m - 500 kg



OLI/N



Wide range of models with:

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

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

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



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

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



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



OLI/N OPERATORS

COD.	Art.								OTHER CHARACTERISTICS
624005	OLI 602AN	230V	2 m	A	270 mm	11,4	40		• Self-locking in open position only, for leaves up to 2m length
624055	OLI 602LAN	230V	2,5 m	A	270 mm	11,4	40		• Self-locking in open position only, slow version, for leaves up to 2,5m length
624004	OLI 602N	230V	2 m	C	270 mm	11,4	40		• Self-locking in close position only, for leaves up to 2m length
624054	OLI 602LN	230V	2,5 m	C	270 mm	11,4	40		• Self-locking in close position only, slow version, for leaves up to 2,5m length
624013	OLI 603N	230V	2 m		270 mm	11,4	40		• Self-locking in open and close position, for leaves up to 2m length
624063	OLI 603LN	230V	2,5 m		270 mm	11,4	40		• Self-locking in open and close position, slow version, for leaves up to 2,5m length
624023	OLI 604N	230V	2,5 m	✓	270 mm	11,4	40		• Not self-locking, for leaves up to 2,5m length
624073	OLI 604LN	230V	3 m	✓	270 mm	11,4	40		• Not self-locking, slow version, for leaves up to 3m length
624033	OLI 605N	230V	2,5 m		400 mm	13	40		• Self-locking in open and closed position, for leaves up to 2,5m length
624083	OLI 605LN	230V	3 m		400 mm	13	40		• Self-locking in open and closed position, slow version, for leaves up to 3m length
624043	OLI 606N	230V	3,5 m	✓	400 mm	13	40		• Not self-locking, for leaves up to 3,5m length
624093	OLI 606LN	230V	4,5 m	✓	400 mm	13	40		• Not self-locking, slow version, for leaves up to 4,5m length
624104	OLI 607AN	230V	3 m	A	400 mm	13	40		• Self-locking in open position, for leaves up to 3m length
624114	OLI 607LAN	230V	3,5 m	A	400 mm	13	40		• Self-locking in open position, slow version, for leaves up to 3,5m length

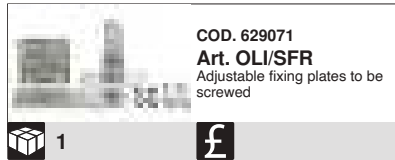
All models have: fixing plates to be welded included (art.0/353-0/653). In order to respect the limit of impact forces foreseen by EN 12453-1, you must use the external safety devices in compliance with EN 12978.

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

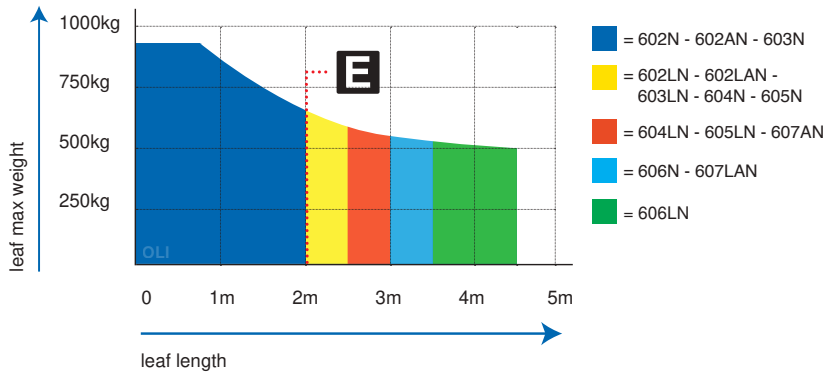
TECHNICAL INFO	OLI 602N - OLI 602AN - OLI 603N - OLI 604N	OLI 605N - OLI 606N - OLI 607AN	OLI 602LN - OLI 602LAN - OLI 603LN - OLI 604LN	OLI 605LN - OLI 606LN - OLI 607LAN
Motor power supply (V)	230V ± 10 % (50/60 Hz)			
Maximum power absorption (W)	170			
Max thrust (N)	3980		5600	
Max traction force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

Used Oil: AGIP Arnica A15

SPECIFIC ACCESSORIES

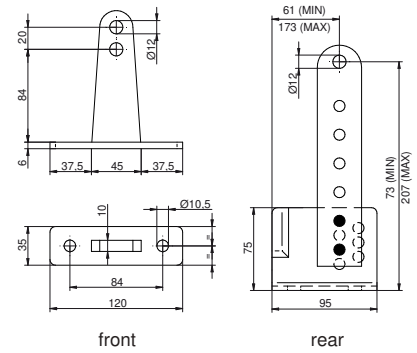


GUIDE TO USE



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.

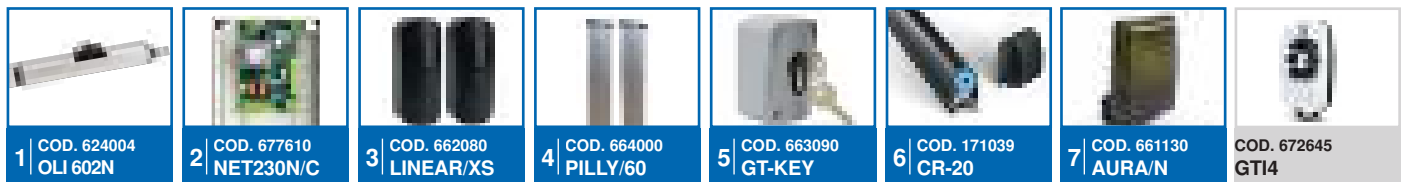
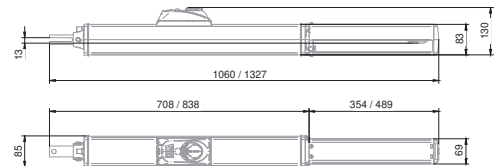
FIXING PLATES



EXAMPLE OF A TYPICAL INSTALLATION



DIMENSIONS



GEKO/X



Electromechanical automation for swing gates

up to 3 m - 250 kg



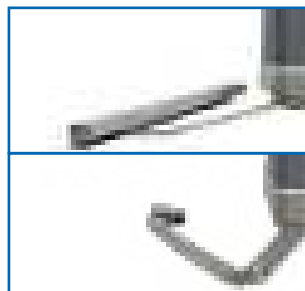


GEKO/X

New design, improved features and performance



New protection of the release system and control board, for greater reliability over time.



New gearbox increases opening speed by 30%.

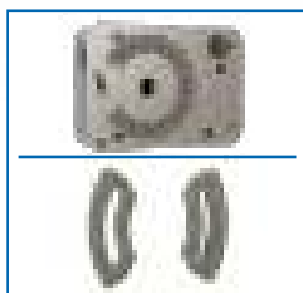


New rechargeable battery kit, with fixing bracket, to be installed inside the operator

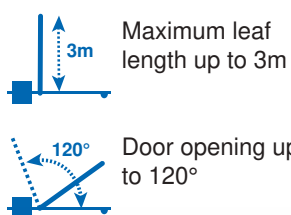
New ABS crankcase, for improved weather resistance, and new articulated arm design



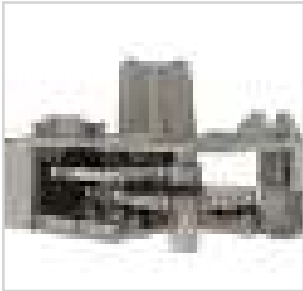
New design with the option of installing an LED strip (optional LED kit - **available Q2 2024**)



New mechanical stops, with more fixing points and improved precision



The usual features that make this operator unique



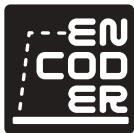
Gearbox made with high quality materials, such as steel and bronze, which guarantee reliability over time.



Slide rail (optional) that allows you to avoid lateral obstructions



Compatible with external cable release (art. GEKO/SF and art. BLINDOS - optional), keyed manual release from the outside of the property



24V operator with encoder technology for improved obstacle detection accuracy



Optional KITCLIMB part allows you to install on a slope with a gradient up to 12 degrees.



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





GEKO/X OPERATORS

COD.	Art.	DEA	⚡	📏	📊	🏠	🏠	🏠	🏠	🏠	OTHER CHARACTERISTICS
628050	GEKO/X	NET24N	24V	3 m (art. GEKO/X/BA) 1,75 m (art. GEKO/X/BS)	✓	S	12	60			<ul style="list-style-type: none"> • 1 operator • Mechanical stops • Speed adjustment and slow down in opening and closing
628060	GEKO/X/2	NET24N	24V	2 x 3 m (art. GEKO/X/BA) 1,75 m (art. GEKO/X/BS)	✓	S	24	24			<ul style="list-style-type: none"> • 2 operators / 1 control board • Mechanical stops • Speed adjustment and slow down in opening and closing
628070	GEKO/X/S*		24V	3 m (art. GEKO/X/BA) 1,75 m (art. GEKO/X/BS)	✓	S	11	60			<ul style="list-style-type: none"> • 1 operator without control board • Mechanical stops • Speed adjustment and slow down in opening and closing

For GEKO/X and GEKO/X/2: arm not included. 1 control board NET24N, fixing plates and mechanical stops included.

*Without control board

KIT GEKO/X

COD.	Art.		📏	🏠	🏠	🏠
628600	KIT GEKO/X	GEKO/X/2 (NET24N) + 2xGEKO/X/BA + LINEAR/XS + AURA/N + 2xGTI4	3m+3m	24	24	
628601	GEKO/X/PACK	GEKO/X/2 (NET24N) + LINEAR/XS + AURA/N + 2xGTI4	3m+3m	24	24	

 <p>COD. 628060 Art. GEKO/X/2 Electromechanical automation for swing gates</p>	 <p>COD. 629265 Art. GEKO/X/BA Aluminium articulated arm</p>	 <p>COD. 662080 Art. LINEAR/XS Pair of mini synchronizable photocell for outdoor installation. Maximum range 20m</p>	 <p>COD. 661130 Art. AURA N LED flashing light, multi-voltage 24V AC-DC/120V AC/230V AC, with integrated antenna 433MHz/868MHz</p>
 <p>COD. 672645 Art. GTI4 Serialized white 4-channel remote control, 433 MHz, with 3 coding options: HCS Rolling-Code, Dip-Switch and new D.A.R.T. coding.</p>			

TECHNICAL INFORMATION	GEKO/X
Power supply (V)	230 - 240 V ~ (50/60 Hz)
Motor power supply voltage (V)	24 V ===
Nominal Power (W)	110
Maximum power (W)	419
Nominal torque (Nm)	35
Maximum torque (Nm)	260
Duty cycle (cycles/hour)	20
Operations in 24h	60
Operating temperature range (°C)	-20÷50 °C
Minimum opening time at 90° (articulated arm)	12 s
Minimum opening time at 90° (sliding arm)	8,5 s
Nominal speed (rpm)	2,15
Maximum speed (rpm)	2,15
Weight of product with package (Kg)	11,6
Sound pressure emitted (dBA)	< 70
Protection degree	IP45

SPECIFIC ACCESSORIES





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

1 




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

1 



COD. 629265
Art. GEKO/X/BA
Aluminium articulated arm

1 

NEW


NEW



COD. 629267
Art. GEKO/X/BL
Long arm for GEKO, painted galvanized steel

1 **£**

NEW



COD. 629268
Art. GEKO/X/BLA
Long arm for GEKO, aluminium

1 **£**

NEW



COD. 629266
Art. GEKO/X/BS
Roll sliding arm, painted galvanized steel

1 **£**

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

1 **£**

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

1 **£**

COD. 430950
Art. KIT KEY GEKO
GEKO unlocking key (5 pcs)

5 **£**

NEW

COD. 629293
Art. KIT BAT LIVI/X-GEKO/X
Rechargeable batteries kit, 12V - 1,2Ah, complete with wiring cables and fixing plate for GEKO/X and LIVI/X

1 **£**

NEW

COD. 629294
Art. BAT/LIVI/X-GEKO/X SUPPORT
Battery bracket for GEKO/X with fixing screws

1 **£**

COD. 661140
Art. KIT LED/X
Led kit for GEKO/X and LIVI/X consisting of 60 cm COB led strip (white light) + power supply + relay

1 **£**

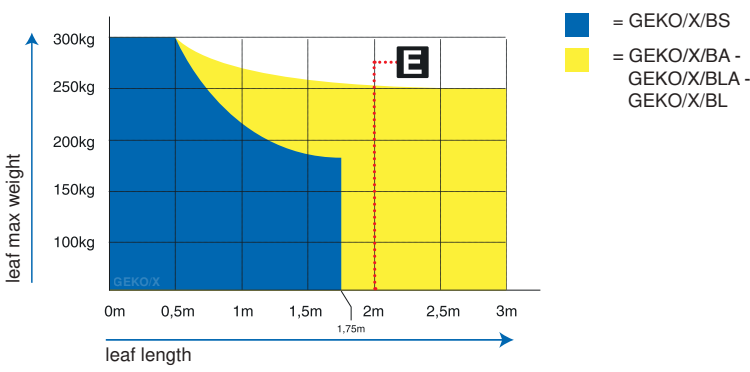
COD. 661141
Art. LED/X
60 cm COB led strip (white light), without power supply (for second GEKO/X operator)

1 **£**

COD. 629410
Art. KIT ADA GEKO
GEKO/X adapter kit on GEKO fixing plate. 4pcs for two operators

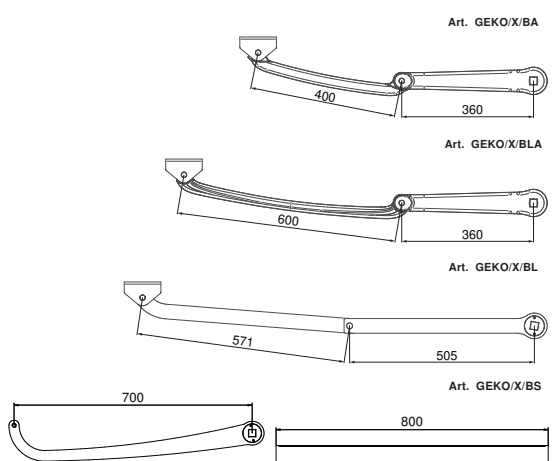
1 **£**

GUIDE TO USE

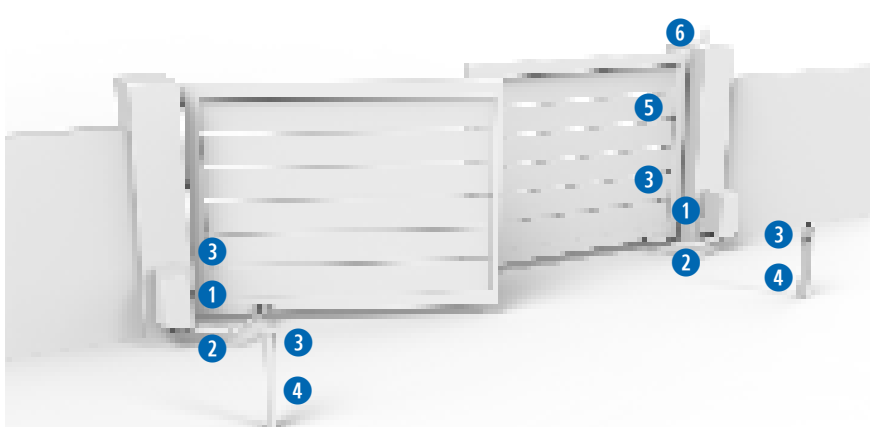


If the leaf length is bigger than 2m or if you use reversible models you must install the electric-lock to block the gate in closed position. The height and the leaf structure, as well as the presence of strong wind, can cause the reduction of the value of the data contained in table or make it necessary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

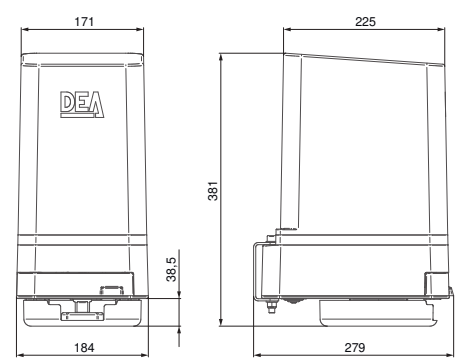
ARTICULATED ARMS








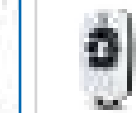



EXAMPLE OF A TYPICAL INSTALLATION



DIMENSIONS



 1 COD. 627000 351/SC	 1 COD. 678251 NET24N	 2 COD. 629265 GEKO/X/BA	 3 COD. 662080 LINEAR/XS	 4 COD. 664000 PILLY/60	 5 COD. 663090 GT-KEY	 6 COD. 661130 AURA/N	 COD. 672645 GT14	 COD. 301020 WARNING SIGN
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LIVI 502



Electromechanical automation for swing gates

up to 4,5 m - 400 kg



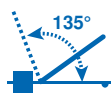
LIVI 502



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

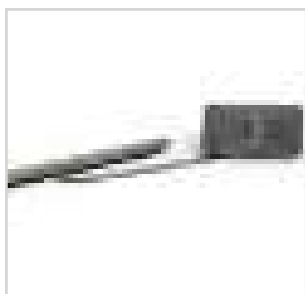


Quick release with customised metal key, protected from the weather.



Door opening up to 135°.

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



Sliding rail (optional) to avoid lateral obstructions

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



NETCOM

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



LIVI 502 OPERATORS

COD.	Art.								OTHER CHARACTERISTICS
623120	502*	230V	3 m			13,5	60		• For leaves up to 3m length
623140	502L*	230V	4,5 m			13,5	60		• Slow version, for leaves up to 4,5m length
623121	502EN*	230V	4,5 m	✓		13,5	60		• With encoder, for leaves up to 4,5m length
623180	502/24 **	24V	3 m			13,2	60		• 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. 677610 art. NET230N/C (with box)

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

KIT LIVI 502

COD.	Art.				
-	KIT 502/NET	2x502 + 2x560A/X + NET230N/C + LINEAR + AURA/N + 2xGTI2 + WARNING SIGN	3 m	30	15
-	KIT 502EN/NET	2x502EN + 2x560A/X + NET230N/C + LINEAR + AURA/N + 2xGTI2 + WARNING SIGN	4,5 m	30	15
-	KIT 502/24NET	2x502/24 + 2x560A/X + NET24N/C + LINEAR + AURA/N + 2xGTI2 + WARNING SIGN	3 m	30	15

 COD. 623120 Art. 502 Electromechanical automation for swing gates	 COD. 629131 Art. 560A/X Aluminium articulated arm	 COD. 677610 Art. NET230N/C Universal digital control board for 1 or 2 operators, 230V with or without magnetic encoder (with box)	 COD. 662044 Art. LINEAR Pair of adjustable photocells (180°) with possibility of synchronized operating. Range 20m
 COD. 661130 Art. AURA N LED flashing light, multi-voltage 24V AC-DC/120V AC/230V AC, with integrated antenna 433MHz/868MHz	 COD. 672635 Art. GTI2 Serialized white 2-channel remote control, 433 MHz, with 3 coding: HCS Rolling-Code, Dip-Switch and new D.A.R.T. coding	 COD. 301020 Art. WARNING SIGN	

TECHNICAL INFO	502 - 502EN	502L	502/24
Motor power supply (V)	230V ± 10 % (50/60 Hz)		24V \approx
Maximum power absorption (W)	300		80
Max torque (Nm)	295	260	180
Duty cycle (cycles/hours)	22 -25 (vers. 502EN)		35
N. max cycles in 24h.	110		140
Built-in capacitor (μ F)	8		/
Operating temperature ($^{\circ}$ C)	-20 ÷ 50		
Motor thermal protection ($^{\circ}$ C)	150		/
90° Opening time (s)	12	18	10
Weight with packing (Kg)	13,5		13,2
Sound pressure (dBA)	< 70		
Protection level	IP44		

SPECIFIC ACCESSORIES

 COD. 629131 Art. 560A/X Aluminium articulated arm	 COD. 629111 Art. 560BD/X Galvanized steel rail sliding arm, right side (L. 800 mm)	 COD. 629121 Art. 560BS/X Galvanized steel rail sliding arm, left side (L. 800 mm)
1	1	1

NEW

COD. 629141
Art. 560BV/X
Painted galvanized steel articulated arm

1 £

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

1 £

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

1 £

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

1 £

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

1 £

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

1 £

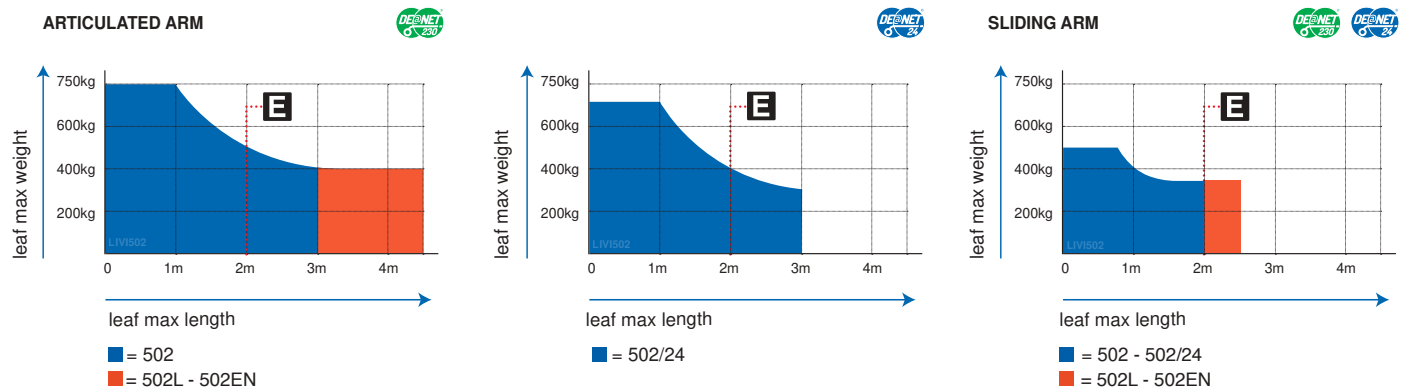
COD. 629350
Art. KIT CLIMB
Adapter set for doors on slopes (for doors up to 2m - 150 kg) max gradient 12%

1 £

COD. 629330
Art. SD502
Junction box

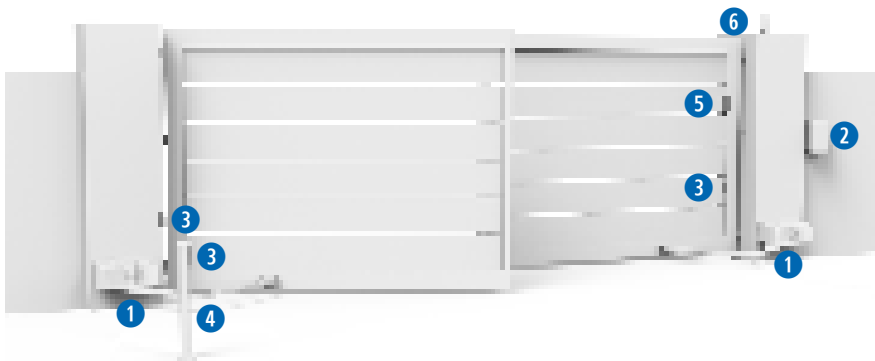
1 £

GUIDE TO USE

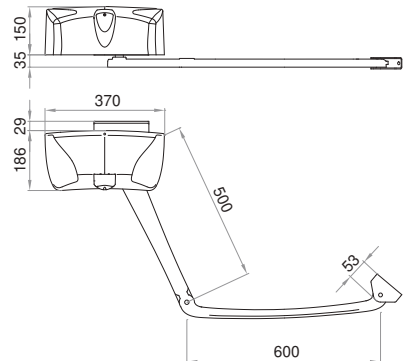


If the leaf length is bigger than 2m or if you use reversible models you must install the electric-lock to block the gate in closed position. The height and the leaf structure, as well as the presence of strong wind, can cause the reduction of the value of the data contained in table or make it necessary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

EXAMPLE OF A TYPICAL INSTALLATION



DIMENSIONS



 1 COD. 623140 502L COD. 629131 560A/X	 2 COD. 677610 NET230N/C	 3 COD. 662080 LINEAR/XS	 4 COD. 664000 PILLY/60	 5 COD. 663090 GT-KEY	 6 COD. 661130 AURA/N	 COD. 672645 GTI4	 COD. 301020 WARNING SIGN
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ANGOLO



Electromechanical automation for swing gates

up to 2,3 m - 200 kg



ANGOLO



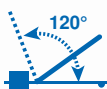
Compatible with external cable release (art.580M and art. BLINDOS - optional), to always have safe access from outside the property

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

Integrated DE@NET control panel for compact installation



Door opening up to 120°



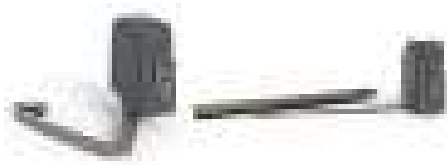
Sled arm (optional) that allows you to avoid lateral obstructions



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



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




ANGOLO OPERATORS

COD.	Art.	DEA	⚡	⚙️	kg	📏	£	OTHER CHARACTERISTICS
626300	ANGOLO24NET/1	NET24N	24V	2,3 m (art. GEKO/X/BA) 1,5 m (art. GEKO/X/BS)	12,5	30		<ul style="list-style-type: none"> • 1 operator • 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.

PACK ANGOLO

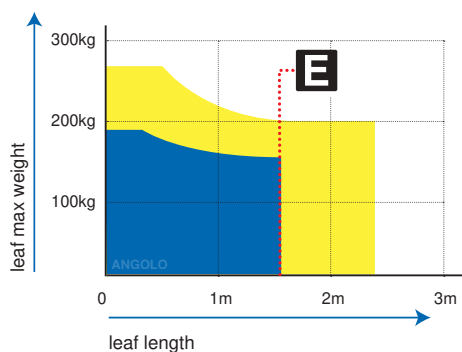
COD.	Art.	kg	📏	£
626570	PACK ANGOLO	24	24	
1xANGOLO24NET/1 (NET24N) + 1xANGOLO (without control board) + 2x580V + LINEAR/XS + AURA/N + 2xGTI4				
Arm not included				
	COD. 626300 Art. ANGOLO24NET/1 Electromechanical automation for swing gates		COD. 381060 Art. 580V Vertical mounting plate (fastening of operator perpendicularly to the gate)	
	COD. 672645 Art. GTI4 Serialized white 4-channel remote control, 433 MHz, with 3 coding options: HCS Rolling-Code, Dip-Switch and new D.A.R.T. coding.		COD. 661130 Art. AURA N LED flashing light, multi-voltage 24V AC-DC/120V AC/230V AC, with integrated antenna 433MHz/868MHz	COD. 662080 Art. LINEAR/XS Pair of mini synchronizable photocell for outdoor installation. Maximum range 20m

SPECIFIC ACCESSORIES

	COD. 381070 Art. 580L Horizontal mounting plate (fastening of operator parallel to the gate)		COD. 629200 Art. 580M External unlocking device by cable (4,5m). To be used with BLINDOS
	COD. 381060 Art. 580V Vertical mounting plate (fastening of operator perpendicularly to the gate)		COD. 665000 Art. BLINDOS Aluminium safety enclosure, with European cylinder, ready for unlocking device by cable.
	COD. 629250 Art. COL 515 Anti-fall stainless steel cable with 2 holes for swing gates		COD. 629265 Art. GEKO/X/BA Aluminium articulated arm

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

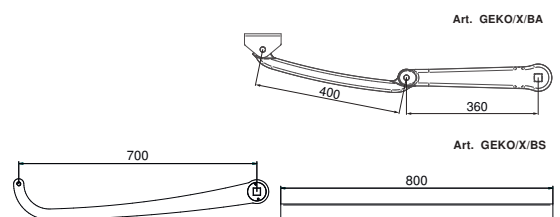
GUIDE TO USE



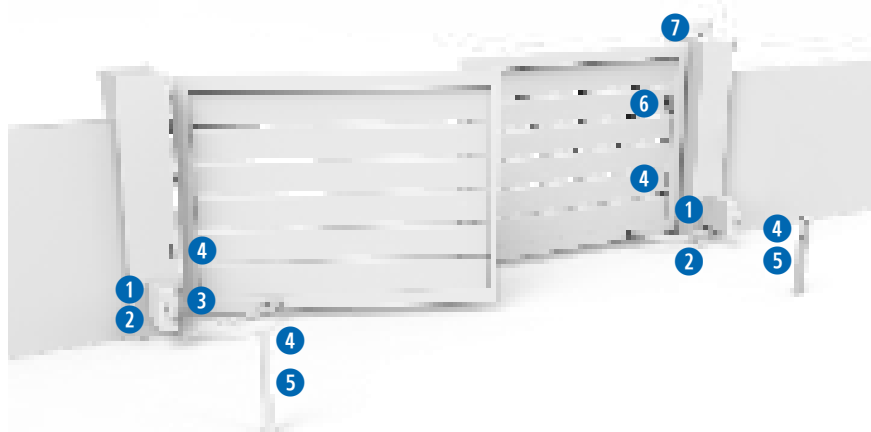
■ = GEKO/X/BS
■ = GEKO/X/BA

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

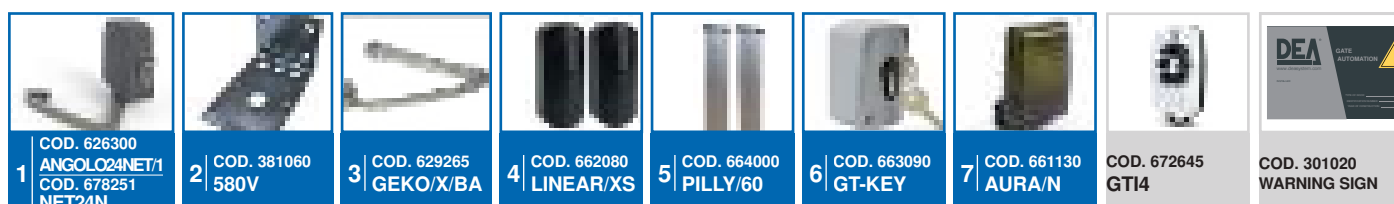
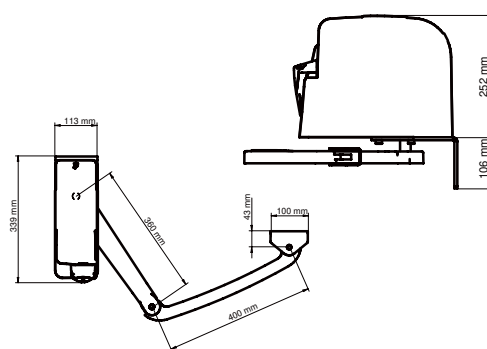
ARTICULATED ARMS



EXAMPLE OF A TYPICAL INSTALLATION



DIMENSIONS



KIT LIVI 500

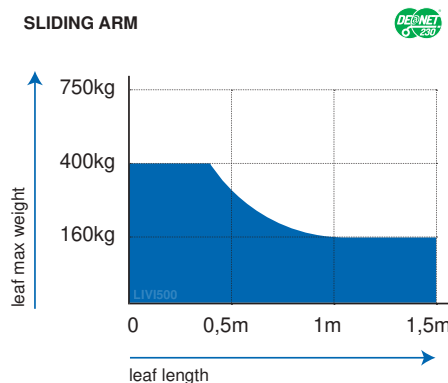


Electromechanic automation of a pedestrian gate

COD.	Art.							
623680	KIT 500P/NET	LIVI 500R/EN + 560BB + NET230N/C + 560S	✓	✓	16,5	21	£	

TECHNICAL INFO	500R/EN
Motor power supply (V)	230V ± 10 % (50/60 Hz)
Maximum power absorption (W)	180
Max torque (Nm)	150
Duty cycle (cycles/hours)	20
N. max cycles in 24h.	160
Built-in capacitor (µF)	8
Operating temperature (°C)	-20 ÷ 50
Motor thermal protection (°C)	150
90° Opening time (s)	9
Weight with packing (Kg)	13,5
Protection level	IP44

Guide to use



The electric-lock must be fitted to block the gate in closed position. The height and the leaf structure, as well as the presence of strong wind, may cause the reduction of the value of the data contained in table.

GHOST 100



Electromechanical underground automation for swing gates

up to 3,5 m - 400 kg



GHOST 100



Leaf opening up to 180° with art. 116GN

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

Operator body compatible with foundation box of other brands

The one-piece aluminum operator body guarantees maximum watertight integrity



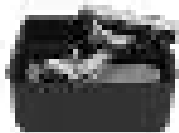
The standard foundation box with cataphoresis treatment guarantees excellent resistance to atmospheric agents. Stainless steel case also available for high salinity conditions

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

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



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



GHOST 100 OPERATORS

COD.	Art.								OTHER CHARACTERISTICS
621252	100/CL*	230V	3,5 m		S	14	60	£	• Underground operator with connection lever, mechanical stops and complete with 8m of cable
621253	100/ENCL*	230V	3,5 m	✓	S	14	60	£	• Underground operator with connection lever, mechanical stops, encoder and complete with 8m of cable
621262	100/24CL**	24V	3,5 m		S	14	60	£	• Underground operator with connection lever, mechanical stops, encoder and complete with 8m of cable

All models have: foundation box not included. Mechanical limit switches included. Cable L=8m

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

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

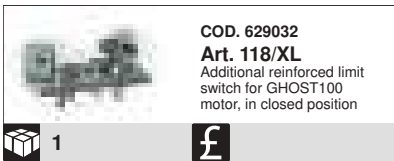
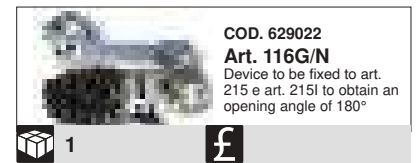
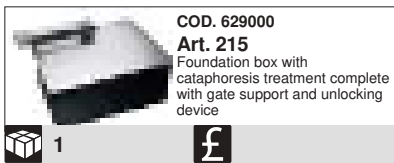
KIT GHOST 100

COD.	Art.				
-	KIT 100/CL/NET	2x100/CL + 2x215 + NET230N/C + LINEAR + AURA N + 2xGTI2 + WARNING SIGN	3,5 m	66	10
-	KIT 100/ENCL/NET	2x100/ENCL + 2x215 + NET230N/C + LINEAR + AURA N + 2xGTI2 + WARNING SIGN	3,5 m	66	10
-	KIT 100/24CLNET	2x100/24CL + 2x215 + NET24N/C + LINEAR + AURA N + 2xGTI2 + WARNING SIGN	3,5 m	66	10

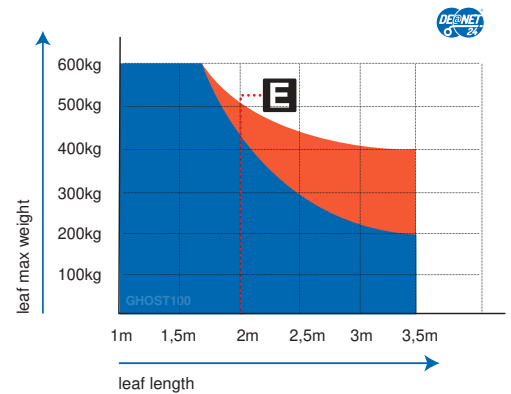
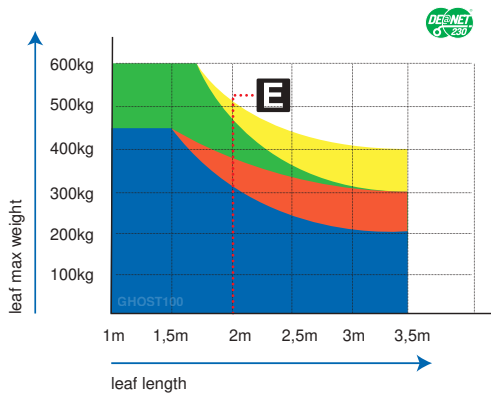
	COD. 621252 Art. 100/CL Electromechanical underground operator for swing gates		COD. 629000 Art. 215 Foundation box with cataphoresis treatment complete with gate support and unlocking device		COD. 677610 Art. NET230N/C Universal digital control board for 1 or 2 operators, 230V with or without magnetic encoder (with box)		COD. 662044 Art. LINEAR Pair of adjustable photocells (180°) with possibility of synchronized operating. Range 20m
	COD. 661130 Art. AURA N LED flashing light, multi-voltage 24V AC-DC/120V AC/230V AC, with integrated antenna 433MHz/868MHz		COD. 672635 Art. GTI2 Serialized, white 2-channel remote control, 433 MHz, with 3 coding: HCS Rolling-Code, Dip-Switch and new D.A.R.T. coding		COD. 301020 Art. WARNING SIGN		

TECHNICAL INFO	100/CL - 100EN/CL	100/24CL
Motor power supply (V)	230V ± 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 (°C)	(-20°) - (50°)	
Motor thermal protection (°C)	150	/
90° Opening time (s)	16	14
Weight with packing (Kg)	11	
Sound pressure (dBA)	< 70	
Protection rating	IP67	

SPECIFIC ACCESSORIES

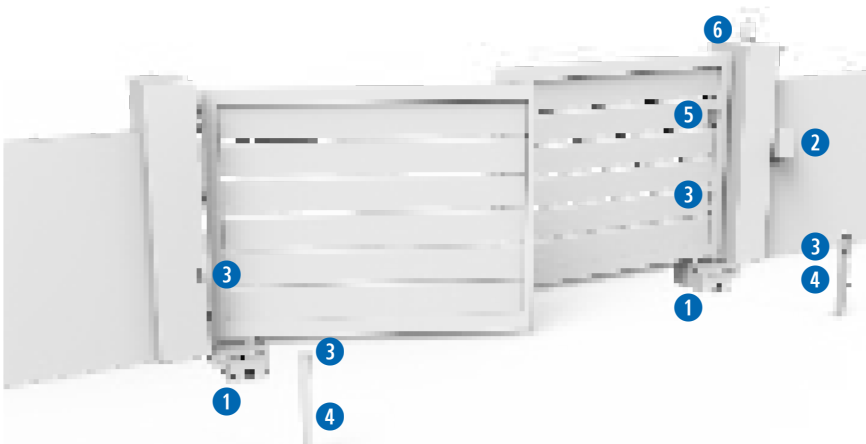


Guide to use

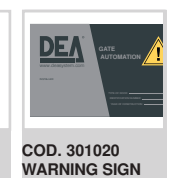
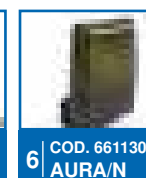
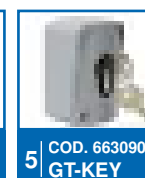
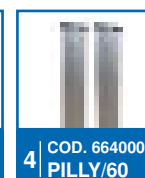
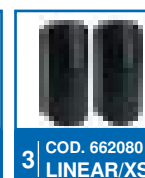
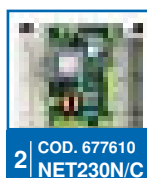
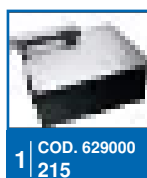
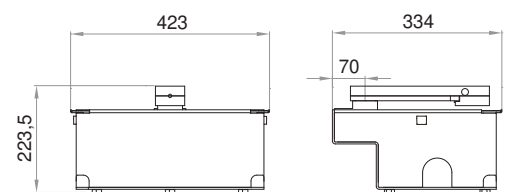


If the leaf length is bigger than 2m or if you use reversible models you must install the electric-lock to block the gate in closed position. The height and the leaf structure, as well as the presence of strong wind, can cause the reduction of the value of the data contained in table or make it necessary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

EXAMPLE OF A TYPICAL INSTALLATION



DIMENSIONS



GHOST 200



Electromechanical underground automation for swing gates

up to 4 m - 400 kg



GHOST 200



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

Painted aluminum operator body for high corrosion protection

Leaf opening up to 180° with art. 216



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



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

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



NETCOM

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

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



GHOST 200 OPERATORS

COD.	Art.								OTHER CHARACTERISTICS
621040	200/CL*	230V	4 m			14,5	60	£	<ul style="list-style-type: none"> Underground operator with connection lever and complete with 8m of cable
621013	200L/CL*	230V	4 m			14,5	60	£	<ul style="list-style-type: none"> Slow version (90°=26s) Underground operator with connection lever and complete with 8m of cable
621050	200/24CL**	24V	4 m			14	60	£	<ul style="list-style-type: none"> Underground operator with connection lever and complete with 8m of cable

All models: foundation box and limit switches not included. Cable L=8m

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

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


KIT GHOST 200

COD.	Art.				
-	KIT 200CL/NET	2x200/CL + 2x215 + NET230N/C + LINEAR + AURA/N + 2xGTI2 + WARNING SIGN	4 m	66	10
-	KIT 200CL/24NET	2x200/24CL + 2x215 + NET24N/C + LINEAR + AURA/N + 2xGTI2 + WARNING SIGN	4 m	66	10

<p>COD. 621040 Art. 200CL Electromechanical underground operator for swing gates</p>	<p>COD. 629000 Art. 215 Foundation box with cataphoresis treatment complete with gate support and unlocking device</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. 662044 Art. LINEAR Pair of adjustable photocells (180°) with possibility of synchronized operating. Range 20m</p>
<p>COD. 661130 Art. AURA N LED flashing light, multi-voltage 24V AC-DC/120V AC/230V AC, with integrated antenna 433MHz/868MHz</p>	<p>COD. 672635 Art. GTI2 Serialized white 2-channel remote control, 433 MHz, with 3 coding: HCS Rolling-Code, Dip-Switch and new D.A.R.T. coding</p>	<p>COD. 301020 Art. WARNING SIGN</p>	

TECHNICAL INFO	200CL	200L/CL	200/24CL
Motor power supply (V)	230V ± 10 % (50/60 Hz)		24V =
Maximum power absorption (W)	400	330	150
Max torque (Nm)	320	300	210
Duty cycle (cycles/hours)	20 - 28	18	40
N. max cycles in 24h.	200		280
Built-in capacitor (µF)	12,5		/
Operating temperature (°C)	-20 ÷ 50		
Motor thermal protection (°C)	150		/
90° Opening time (s)	17	26	16
Maximum opening degree	107°		
Weight with packing (Kg)	14,5		14
Sound pressure (dBA)	< 70		
Protection level	IP67		

SPECIFIC ACCESSORIES




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

1



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

1



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

1



COD. 629030
Art. 218
Mechanical limit switches

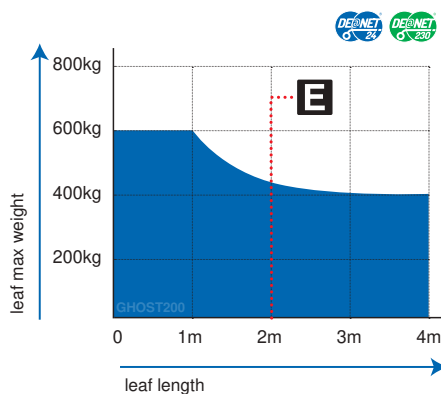
1



COD. 330610
GHOST RELEASE KEY
Release key for GHOST

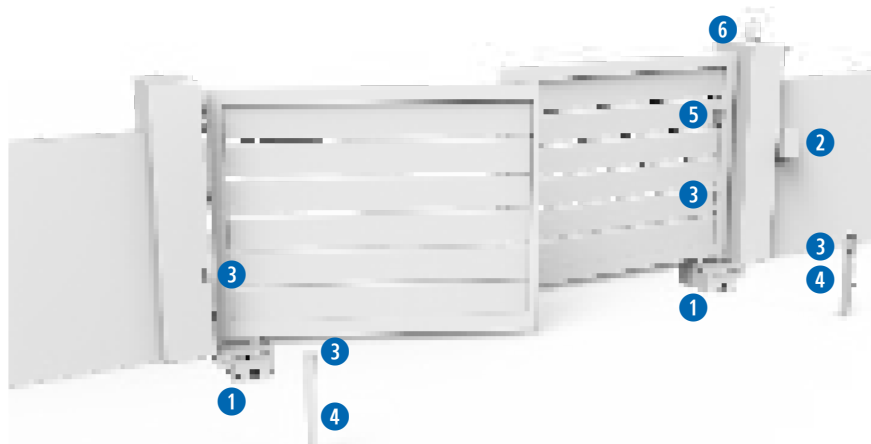
1

Guide to use

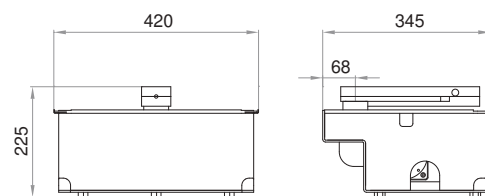


If the leaf length is bigger than 2m or if you use reversible models you must install the electric-lock to block the gate in closed position. The height and the leaf structure, as well as the presence of strong wind, can cause the reduction of the value of the data contained in table or make it necessary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

EXAMPLE OF A TYPICAL INSTALLATION




DIMENSIONS





1 | COD. 621040
200/CL



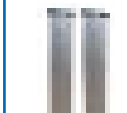
1 | COD. 629000
215




2 | COD. 677610
NET230N/C




3 | COD. 662080
LINEAR/XS




4 | COD. 664000
PILLY/60




5 | COD. 663090
GT-KEY



6 | COD. 661130
AURA/N



COD. 672645
GT14



COD. 301020
WARNING SIGN

technical data

MAC

All measures in mm

	α	A	B	C	D	E	F
with Art. FM in opening and closing	90°	150	150	300	690	125	0 ÷ 75
		180	150	331	685	145	100*
		210	150	363	685	145	125*
	100°	135	160	321	690	125	0 ÷ 50

*Art. FM should be removed

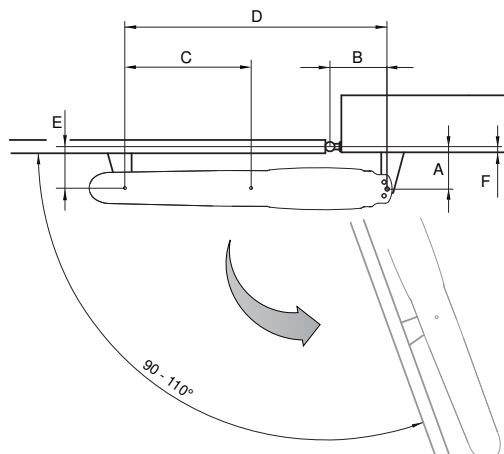
FM=mechanical Limit switch am Antrieb Cod.629300

	α	A	B	C	D	E	F
without Art. FM	90°	150	150	300	720	125	0 ÷ 75
		180	150	331	720	125	100
		210	150	363	715	140	125
		230	150	385	715	145	150
	100°	135	160	321	720	125	0 ÷ 50
	110°	135	185	375	720	125	0 ÷ 25

SB=back over head door fixing plate Cod. 629381

	α	A	B	C	D	E	F	note
with Art. SB	90°	120	150	300	780	115	0-30	mechanical limit switch in opening and closing (Stroke=334mm)
		120	150	321	780	135	50	
		90	150	321	780	135	80	
		70	150	321	780	135	100	
	90°	90	160	373	810	145	120	without limit switch (Stroke=400mm)
		70	160	384	810	145	150	
100°	130	170	348	810	125	0-20	without limit switch in closing (Stroke=367mm)	
	100	170	348	810	125	30-50		
	70	170	348	810	125	80		

SB=back over head door fixing plate Cod. 629381



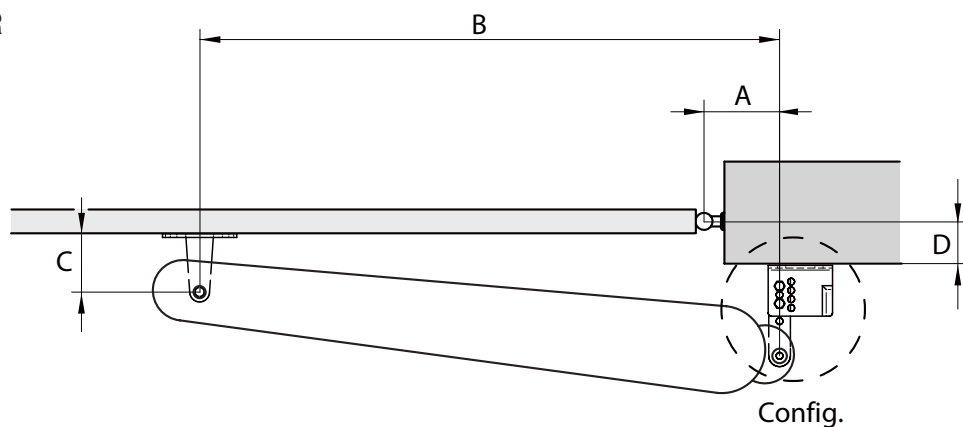
STING

All measures in mm

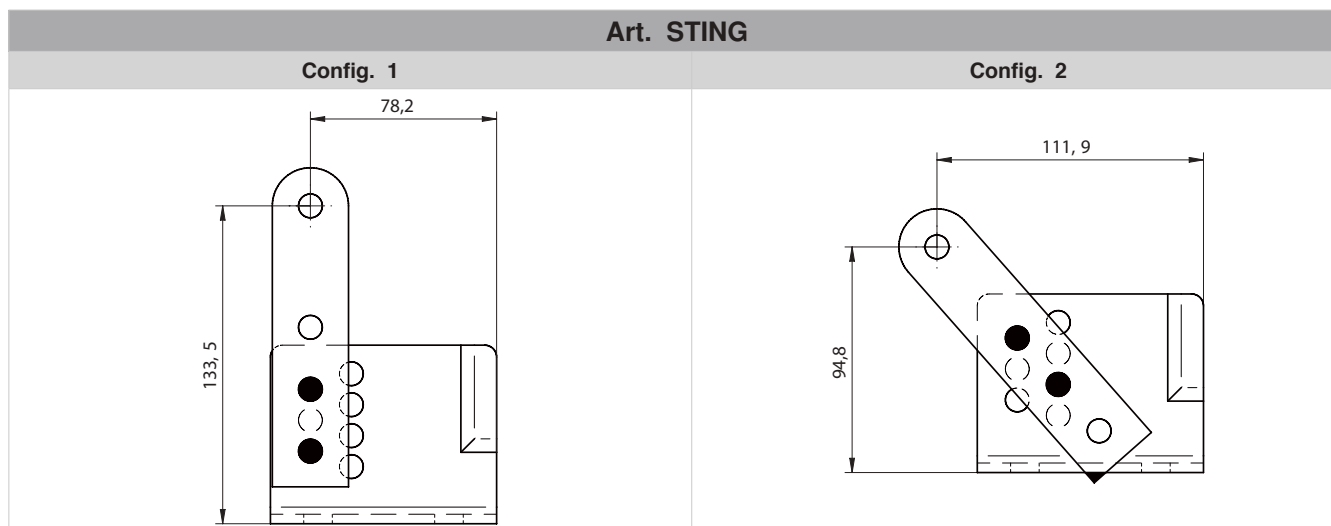
	α	CONFIG.	A	B	C	D	NOTE
STING + Art. MAC_FM	90°	1	125	685	94	0 ÷ 50	* Senza fermi meccanici in apertura (corsa max 367 mm), Without mechanical stops in opening (max stroke 367 mm), Sans arrêts mécaniques en ouverture (course maxi 367 mm), Ohne mechanische Anschläge an Öffnung (max Hub 367 mm), Sin finales de carrera mecánicas en abertura (recorrido max 367 mm), Sem fins de cursos mecánicos no abertura (curso Max. 367mm), Bez ograniczników mechanicznych na otwarcie (max wysuw 367 mm), Без механических упоров на открытие (ход штока макс 367 мм).
		2	125	685	94	50 ÷ 75	
		2	140	685	109	75 ÷ 100*	
		2	140	685	114	100 ÷ 125*	
	100°	1	160	690	104	0 ÷ 25*	

	α	CONFIG.	A	B	C	D	NOTE
STING	90°	1	125	720	94	0 ÷ 50	
		2	125	715	94	50 ÷ 100	
		2	150	715	124	100 ÷ 125	
	100°	1	160	720	104	0 ÷ 25	
		1	170	720	109	25 ÷ 50	
		1	185	720	99	0	
110°	2	185	720	99	25		

Art. MLS/SFR



Art. STING



LOOK

All measures in mm

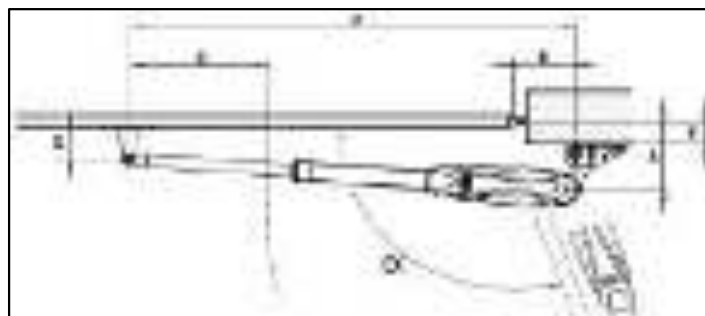
	STROKE	α	A	B	C	D	E	F
with or without rod cover	320	90°	155	155	310	1100	90	0 ÷ 80
		100°	125	165	316	1100	80	0 ÷ 20
	520	90°	200	200	399	1500	100	0 ÷ 20
			230	200	431	1500	100	150
			290	200	496	1500	100	200
		120°	135	200	418	1500	70	0 ÷ 20

	α	A	B	C	D	E	F	note
320mm stroke, with Art. SB	90°	150	150	300	1190	115	0	with rod cover Art. CS320
		120	150	300	1190	115	30	
		100	150	300	1190	115	50	
		70	150	300	1190	115	80	
	100°	120	160	305	1190	85	0	without rod cover
		90	160	305	1190	85	30	
		70	160	305	1190	85	50	

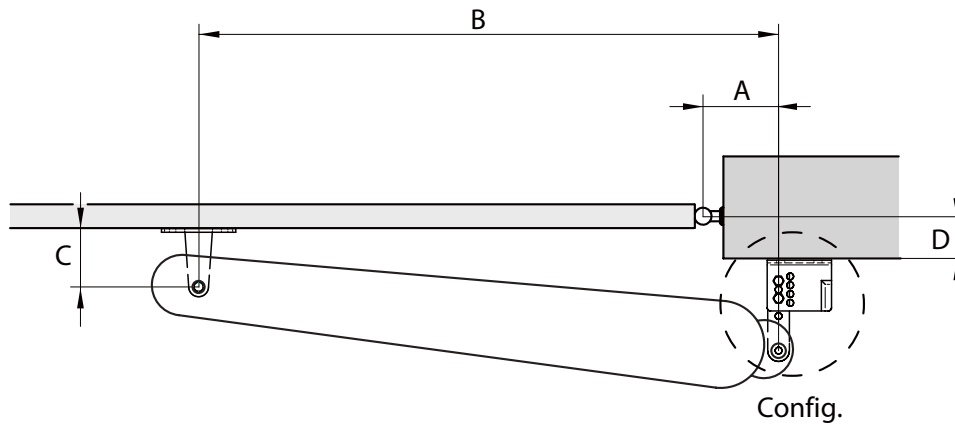
SB=back over head door fixing plate Cod. 629381

	α	A	B	C	D	E	F	note
520mm stroke, mit with. SB	90°	150	150	300	1590	115	0	with rod cover Art. CS520
		150	150	331	1590	115	30	
		150	150	352	1590	115	50	
		120	150	352	1590	115	80	
		100	150	352	1590	135	100	
		100	150	405	1590	135	150	
		100	150	459	1590	135	200	
		100	150	515	1590	135	250	
	100°	150	180	359	1590	115	0	
		150	180	390	1590	115	30	
		120	180	389	1590	115	50	
		120	180	411	1590	115	80	
		120	180	432	1590	115	100	
	110°	150	200	410	1590	115	0	
		150	200	439	1590	115	30	
		120	200	430	1590	115	50	
	120°	150	240	491	1590	115	0-30	

SB=back over head door fixing plate Cod. 629381

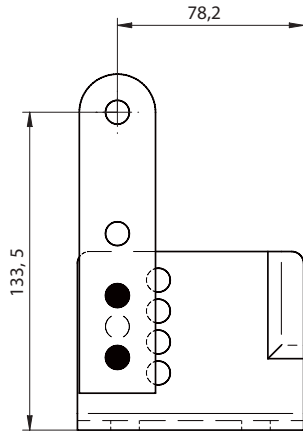


LOOK 320 / 520 + MLS/SFR

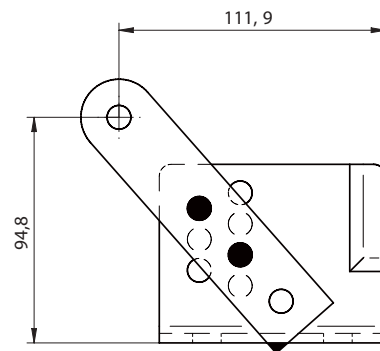


Art. LOOK 320 / 520

Config. 1



Config. 2



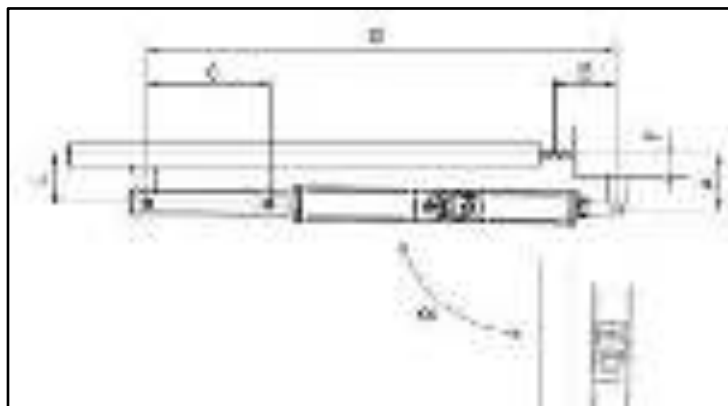
	Config.	A	B	C	D	Note
LOOK 320	90°	1	130	1100	94	0÷50
		2	130	1100	94	50÷90
	95°	1	160	1100	94	0
	100°	2	160	1100	94	25÷30

	Config.	A	B	C	D	Note
LOOK 520	90°	1	130	1300	94	0÷50
		1	130	1350	94	50÷100
		1	130	1400	94	100÷150
		1	130	1450	94	150÷200
		2	130	1480	94	200÷270
	100°	1	240	1450	94	0÷50
		1	240	1490	94	50÷90
		2	240	1490	114	90÷120
	110°	1	240	1490	94	0÷50
	120°	1	240	1490	94	0÷25

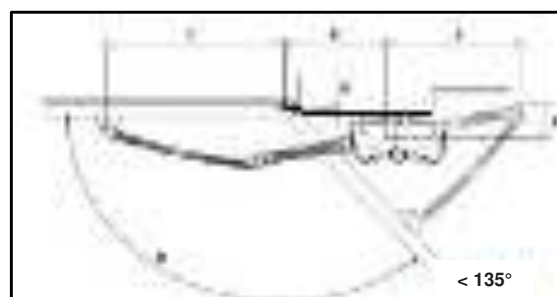
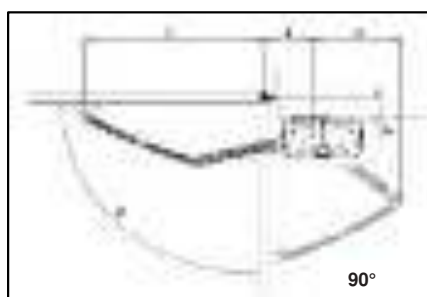
OLI/N - LIVI 502

All measures in mm

	Stroke	α	A	B	C	D	E	F
OLI	270	90°	130	130	260	1000	115	0 ÷ 80
	400	90°	230	150	385	1260	135	0 ÷ 150
		110°	130	190	377	1260	115	0 ÷ 50

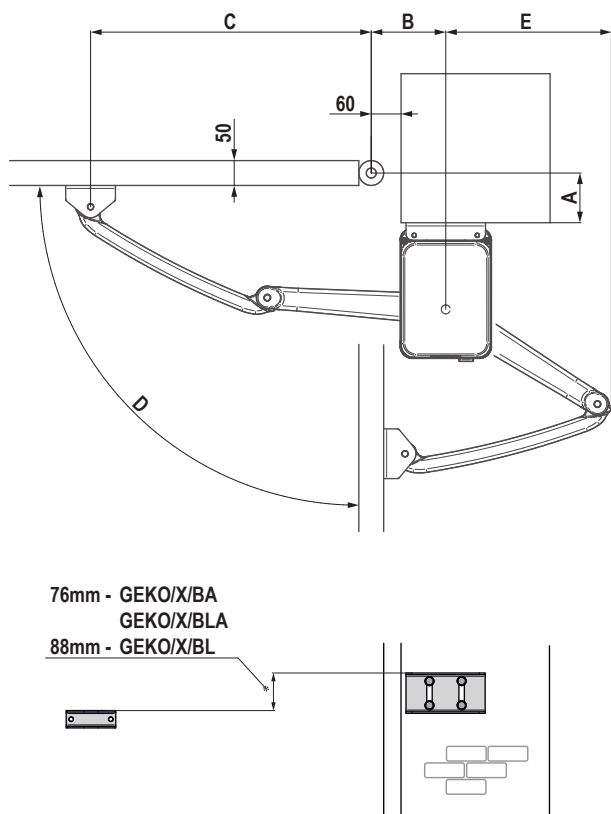


	A	B	C	D	E	F
LIVI 502 with Art. 560A	20	200	860	90°	372	-
	50	200	840	90°	392	-
	100	200	820	90°	418	-
	120	200	820	90°	424	-
	150	200	800	90°	438	-
	200	200	800	90°	452	-
	250	200	800	90°	464	-
	300	200	800	90°	472	-
	350	200	780	90°	482	-
	0	390	680	135°	498	208
	20	390	680	130°	522	140
	20	300	760	120°	532	75
	20 ÷ 50	250	800	110°	520	-
	50 ÷ 100	220	810	100°	482	-



GEKO/X

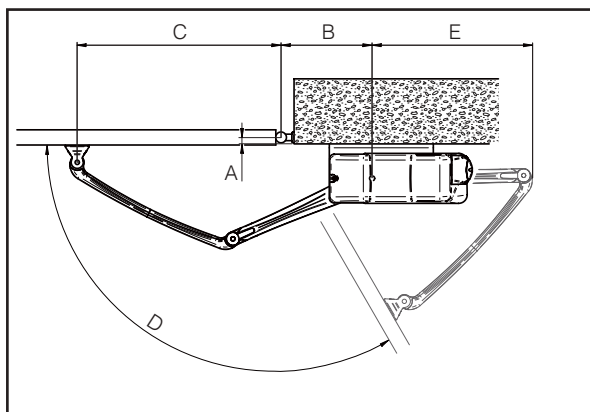
All measures in mm



	A	B	C	D	E
Art. GEKO/X/BA	0 ÷ 20	150	585	90°	310
	50	150	580		320
	100	150	565		332
	120	150	560		335
	150	150	550		340
	180	150	540		340
	200	150	530		340
	0 ÷ 20	210	525	100°	350
	50	210	515		356
	0 ÷ 20	250	485	110°	380
	50	270	460		372
	0 ÷ 20	310	430	120°	384
	Art. GEKO/X/BLA	0 ÷ 50	150	780	90°	365
100		150	770	380	
120		150	720	390	
140		150	690	390	
150		250	650	380	
180		280	600	380	
Art. GEKO/X/BL	200	150	800	90°	475
	250	150	800		483
	300	150	800		491
	350	150	800		498
	400	150	750		506

ANGOLO

All measures in mm



	A	B	C	D	E
Art. GEKO/X/BA	0 ÷ 20	150	585	90°	310
	50	150	580		320
	100	150	565		332
	120	150	560		335
	150	150	550		340
	180	150	540		340
	200	150	530		340
	0 ÷ 20	210	525	100°	350
	50	210	515		356
	0 ÷ 20	250	485	110°	380
	50	270	460		372
	0 ÷ 20	310	430	120°	384



COUNTERWEIGHT DOORS



Choose the operator suitable for your counterweight:








LIVI 902

- 1 operator up to 9m² - 2 operators over 9m²
- 230V / 24V
- Semi-intensive use

SELECTION GUIDE

Choose the garage door size in square metres

		Art.					
< 9m ²	905NET/IP/BF	X 1	1,6	230V	✓	✓	
	902EN/IP/BF					✓	
< 9m ²	905/24NET/BF	X 1	1,8	24V	✓	✓	
	902/24EN/BF					✓	
> 9m ²	905NET/IP/BF	X 2	1,6	230V	✓	✓	
	902EN/IP/BF					✓	
> 9m ²	905/24NET/BF	X 2	1,8	24V	✓	✓	
	902/24EN/BF					✓	

LIVI 902



Electromechanical automation for counterweight overhead doors

**1 operator up to 9m²
2 operators over 9m²**



LIVI 902



Robust mechanical gears and cogs guarantee reliability and durability over time



Integrated manual unlocking device



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



External unlocking device with art. 960C

New versions are available, with high IP level IP44

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



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



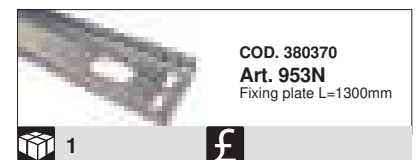
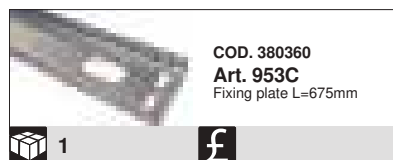
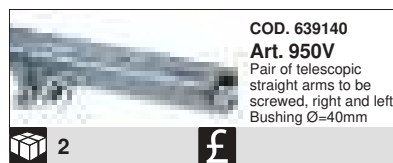
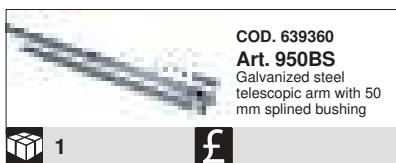
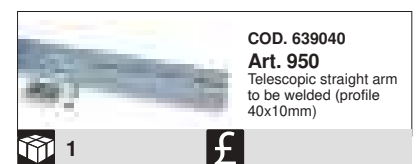
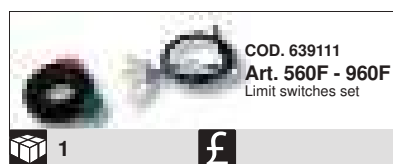
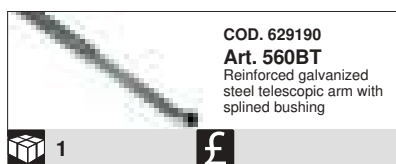
LIVI 902 OPERATORS

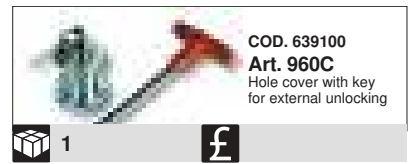
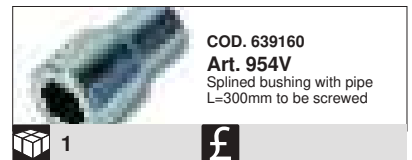
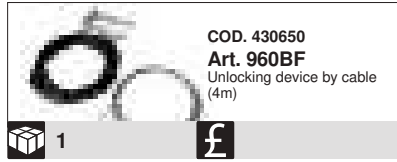
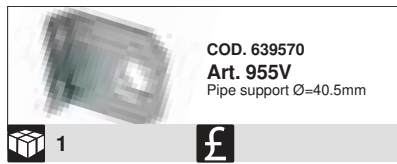
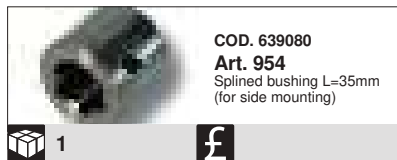
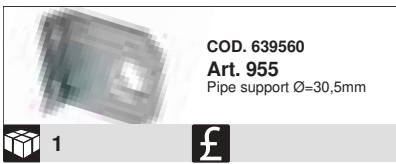
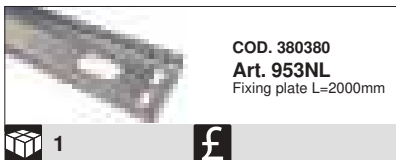
COD.	Art.	DEA	⚡	CEC	kg	£	OTHER CHARACTERISTICS
633413	905NETP/BF	NET230N	230V	✓	11	42	<ul style="list-style-type: none"> Integrated push-button. Designed for unlocking device by cable Magnetic encoder
633351	902EN/BF*		230V	✓	11	42	<ul style="list-style-type: none"> Designed for unlocking device by cable Magnetic encoder
633414	905NET/IP/BF	NET230N	230V	✓	11	42	<ul style="list-style-type: none"> Designed for unlocking device by cable Magnetic encoder IP44
633353	902EN/IP/BF*		230V	✓	11	42	<ul style="list-style-type: none"> Designed for unlocking device by cable Magnetic encoder IP44
633432	905/24NET/BF	NET24N	24V	✓	11	42	<ul style="list-style-type: none"> To place external unlocking device handle Magnetic encoder
633175	902/24EN/BF*		24V	✓	11	42	<ul style="list-style-type: none"> Designed for unlocking device by cable Magnetic encoder

*Control board and fixing plate not included.

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

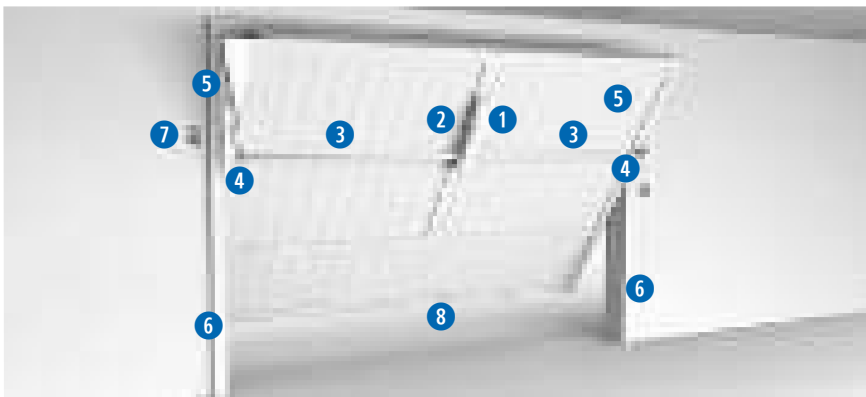
SPECIFIC ACCESSORIES



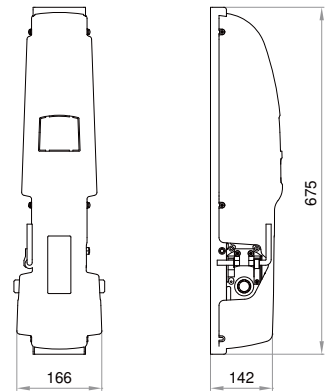


*Available until stock lasts

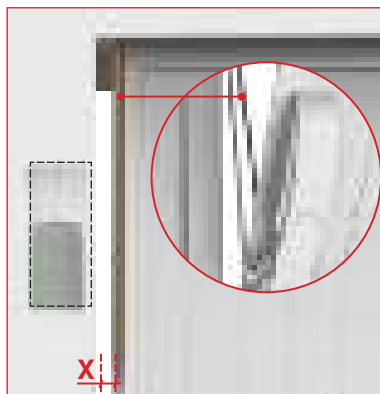
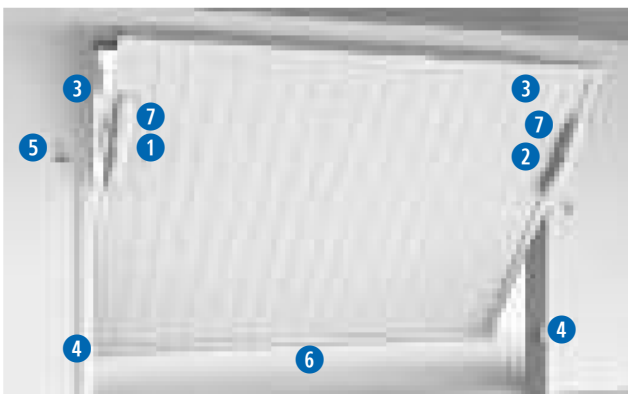
EXAMPLE OF A TYPICAL INSTALLATION WITH 1 OPERATOR



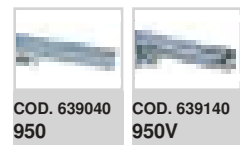
DIMENSIONS



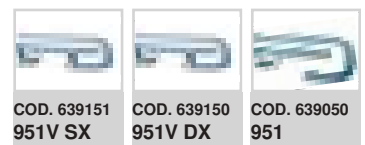
EXAMPLE OF A TYPICAL INSTALLATION WITH 2 OPERATORS



X > 15mm



X < 15mm





SECTIONAL AND COUNTERWEIGHT SPRING DOORS



Choose the operator for your garage door:



ADVANCE N

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



SPACE N

- Up to 16m²
- 24V
- Residential and semi-intensive use
- 600N, 800N and 1200N versions





TEO 700

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

SELECTION GUIDE

Choose the maximum size in square metres of the sectional door

	 m ²	Art.				
	<9m ²	TEO700	15 cm/s	1000N	24V	
	<10m ²	ADVANCE/N	17 cm/s	600N	24V	✓
		SPACE/N	17 cm/s			
	<12m ²	SPACE/N/L BOOST	24 cm/s	800N	24V	✓
	<16m ²	ADVANCE/N/XL	19 cm/s	1200N	24V	✓
		SPACE/N/XL	19 cm/s			
		SPACE/N/XXL	13 cm/s			

ADVANCE/N



Automation for sectional and counterweight spring doors
up to 16m²



ADVANCE/N

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

This operator is compatible with the NETLINK System.



NET724EVO, the new control board:

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



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

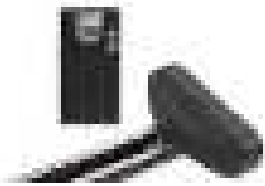
The belt is reinforced with internal iron filaments to ensure silence and durability over time.

Track available in sizes:

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

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

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



ADVANCE/N OPERATORS

COD.	Art.	DEA	⚡	⚠	2CH	kg	£	OTHER CHARACTERISTICS
636140	ADVANCE/N	NET724 EVO/C	24V	600N	✓	15	60	<ul style="list-style-type: none"> • Operator with 2 channels encoder • Separated control board with box*, programming by display, Open/Close external push buttons, LED courtesy light • Quick connection of the operator in the track • Continuous adjustment of the stroke and forces • Secured programming procedure • Without track
636142	ADVANCE/N/XL	NET724 EVO/C	24V	1200N	✓	15	60	

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

KIT ADVANCE/N

COD.	Art.	£	
636370	KIT ADVANCE/N	ADVANCE/N (NET724 EVO/C + GTI4) + AB16	30
636372	KIT ADVANCE/N/XL	ADVANCE/N/XL (NET724 EVO/C + GTI4) + AB16	30

<p>Art. ADVANCE N 1 operator ADVANCE N - 24V with separated control board</p>	<p>COD. 672645 Art. GTI4 Serialized white 4-channel remote control, 433 MHz, with 3 coding options: HCS Rolling-Code, Dip-Switch and new D.A.R.T. coding.</p>	<p>COD. 636090 Art. AB16 Iron track with belt, 2 pcs., 1.600 + 1.600 mm</p>
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TECHNICAL INFO	ADVANCE/N	ADVANCE/N/XL
Supply voltage	220 - 240V ~ ±10% (50/60Hz)	
Motor power supply (V)	24V =	
Rated power transformer (VA)	150VA (230/25V)	
Fuse F1	T2A 250V (delayed)	
Maximum power absorption (W)	100	220
Max thrust (N)	600	1200
Duty cycle (cycles/hours)	20	25
N. max cycles in 24h.	60	75
Operating temperature (°C)	(-20°) - (50°)	
Speed (cm/s)	17	19
Weight with packing (Kg)	4	
Sound pressure (dBA)	< 70	
Protection rating	IPX0	

SPECIFIC ACCESSORIES

COD. 636090
Art. AB16
Steel track with belt, 2 pcs., 1600+1600 mm
ADVANCE N series: max useful stroke 2776 mm

1 £

COD. 636093
Art. AB20
Steel track with belt, 2 pcs., 2000+2000 mm
ADVANCE N series: max useful stroke 3576 mm

1 £

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

1 £

*Recommended: use an additional fixation bracket art. AB/BACKET cod. 639381

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

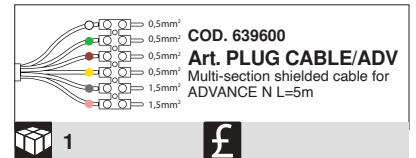
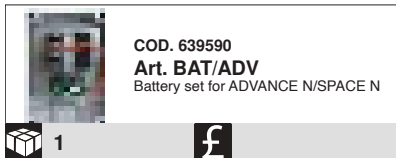
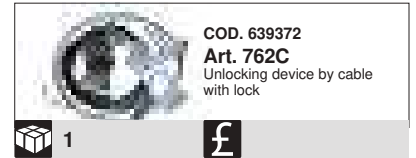
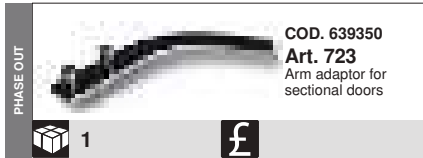
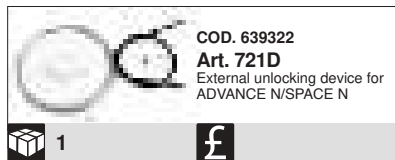
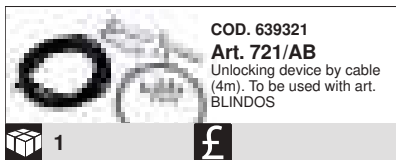
1 £

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

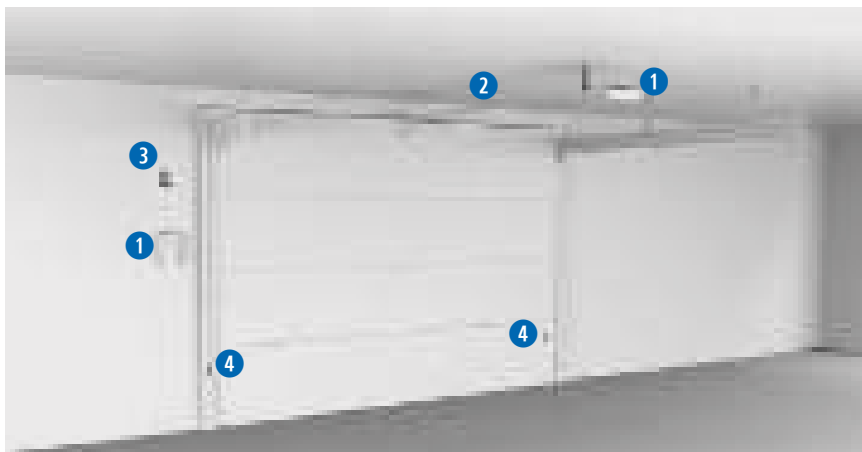
1 £

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

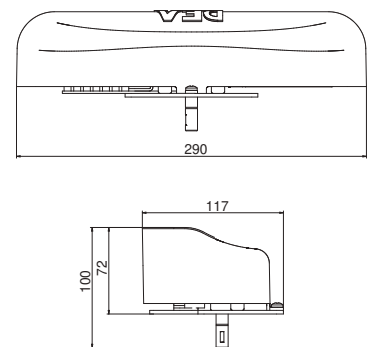
1 £



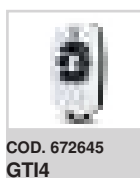
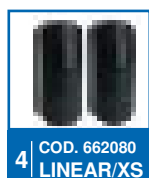
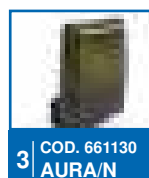
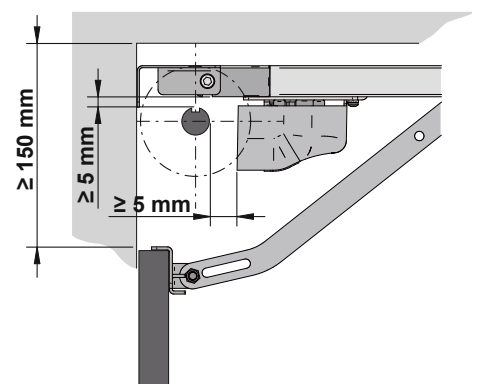
STANDARD SIDE INSTALLATION



DIMENSIONS



DOOR SIDE INSTALLATION



SPACE/N



**Sectional and counterweight spring doors
up to 16m²**



SPACE/N

Track available in two sizes:

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

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

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

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



NET724EVO, the new control board:

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

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



This operator is compatible with the NETLINK System.



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

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



Integrated LED courtesy light.



Easy access door.





SPACE/N OPERATORS

COD.	Art.	DEA	⚡	N	2CH	kg	£	OTHER CHARACTERISTICS
636130	SPACE/N	NET724 EVO	24V	600N	✓	15	60	<ul style="list-style-type: none"> •Operator with 2 channels encoder •Integrated control board with receiver •for up to 200 remote controls •Without track •Quick connection between the operator and the track •Continuous adjustment of the stroke and forces
636131	SPACE/N/L BOOST	NET724 EVO	24V	800N	✓	15	60	
636132	SPACE/N/XL	NET724 EVO	24V	1200N	✓	15	60	
636133	SPACE/N/XXL*	NET724 EVO	24V	1200N	✓	15	60	

For all models: NET control panel and 1 transmitter art. **GTI4 + 1 GT-WALL** included. Track not included.

* art. AB/FM included

KIT SPACE/N

COD.	Art.	£	
636360	KIT SPACE/N	SPACE/N (NET724 EVO + GTI4 + GT-WALL) + AB16	30
636361	KIT SPACE/N/L BOOST	SPACE/N/L BOOST (NET724 EVO + GTI4 + GT-WALL) + AB16	30
636362	KIT SPACE/N/XL	SPACE/N/XL (NET724 EVO + GTI4 + GT-WALL) + AB16	30
636351	KIT PARKING SPACE/N XXL*	SPACE/N/XXL (supplied without control board) + STEELBOX + NET724 EVO/PROBOX + NET-EXPANSION	30



1 operator SPACE N
- 24V



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



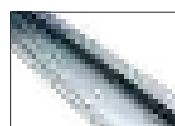
COD. 679191
Art. GT-WALL
White wall support for transmitter art. GT (80x80x15 mm)



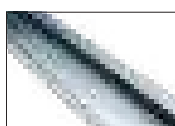
COD. 636090
Art. AB16
Iron track with belt, 2 pcs., 1.600 + 1.600 mm

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

SPECIFIC ACCESSORIES



COD. 636090
Art. AB16
Steel track with belt, 2 pcs., 1600+1600 mm
SPACE N series: max useful stroke 2668 mm



COD. 636093
Art. AB20
Steel track with belt, 2 pcs., 2000+2000 mm
SPACE N series: max useful stroke 3468 mm



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





*Recommended: use an additional fixation bracket art. AB/BRACKET cod. 639381



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






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



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


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

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

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

COD. 639350
Art. 723
Arm adaptor for sectional doors



PHASE OUT




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






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

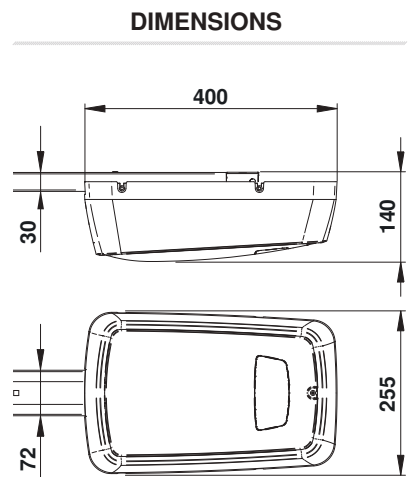
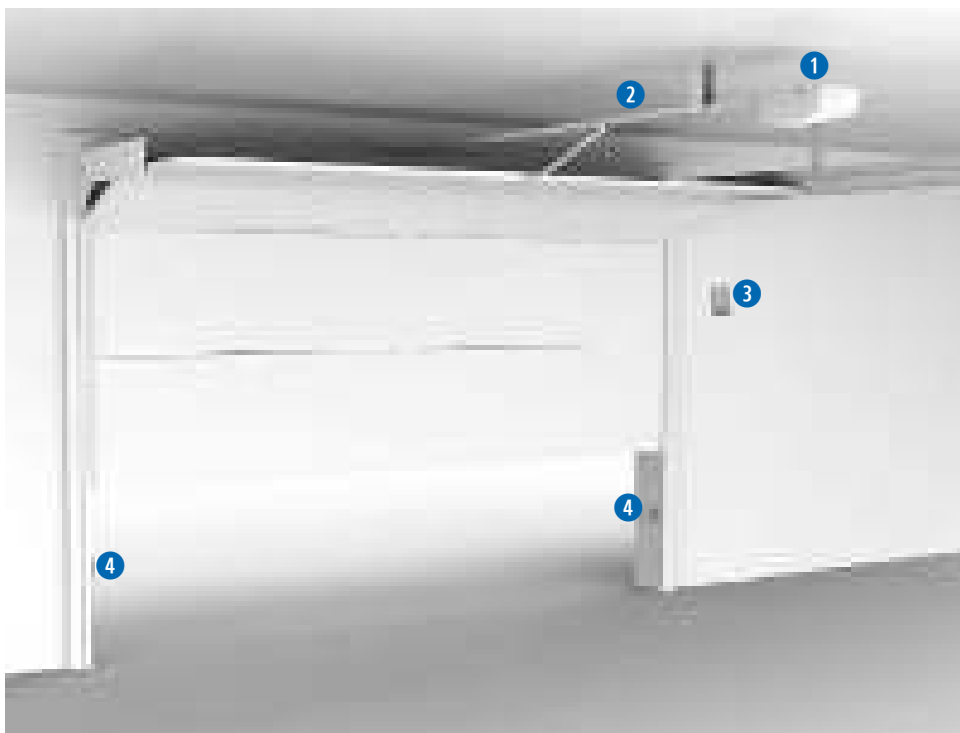
COD. 665000
Art. BLINDOS
Aluminium safety enclosure, with European cylinder, ready for unlocking device by cable.




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

EXAMPLE OF A TYPICAL INSTALLATION



1 COD. 636130
SPACE/N



2 COD. 636090
AB16



3 COD. 661130
AURA/N



4 COD. 662080
LINEAR/XS



COD. 672645
GT14



TEO 700



**Sectional and counterweight spring doors
up to 9m²**



TEO 700



3200mm chain track that guarantees solidity and resistance over time.



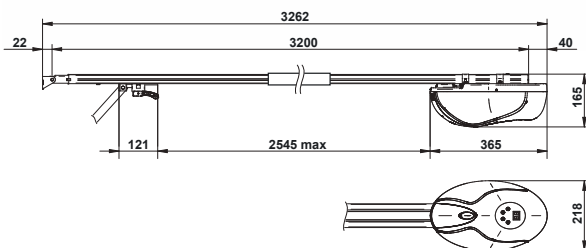
Integrated courtesy light

Operator with 1000N encoder technology that guarantees high performance

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

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

DIMENSIONS



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

TEO 700 OPERATORS

COD.	Art.	⚡	1000N	✓	15	60	£	OTHER CHARACTERISTICS
636021	KIT TEO 700	24V	1000N	✓	15	60		<ul style="list-style-type: none"> •Pre-assembled steel track length= 3.200 mm •Operator with encoder •Anti-crushing safety device •Force adjustment •Automatic adjustment of speed and slowdown

Set complete with: steel track and chain, L=3.200 mm (1 piece) and 1 art. GT12 transmitter

SPECIFIC ACCESSORIES

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

1 £

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

1 £

EXAMPLE OF A TYPICAL INSTALLATION

1 COD. 636021 KIT TEO 700

2 Steel track

3 COD. 661130 AURA/N

4 COD. 662080 LINEAR/XS

COD. 672635 GT12



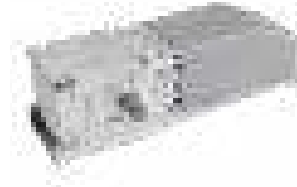


Choose the operator for your industrial sectional door:



LATO

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



LIVI 550PL

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

SELECTION GUIDE FOR INDUSTRIAL SECTIONAL DOORS

Choose the maximum size in square metres of the sectional door



Operator with DIRECT CONNECTION

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

Operator with 2:1 RATIO

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

Operator with DIRECT CONNECTION

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

Operator with 2:1 RATIO

23m ² ÷ 35m ²	LA3-O400EN	400V	208Nm	11,2		✓
	LATO400CEN					



LATO



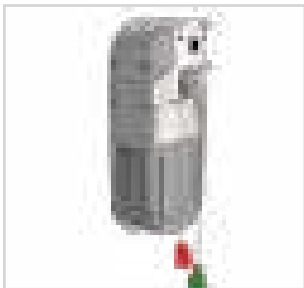
**Automations for industrial sectional doors
up to 35m²**



LATO

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

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



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

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

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



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



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



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



LATO OPERATORS

COD.	Art.	DEA	⚡	CEC	CEC	Ø	kg	Ⓜ	£	OTHER CHARACTERISTICS
637050	LATO220NET	NET230N	230V	✓	E	For shaft Ø 25,4mm	12	42		<ul style="list-style-type: none"> • Limit switches • Anti-crushing safety device • Magnetic encoder with 6m long cable • Integrated receiver and courtesy light • Unlocking device by cable
637051	LATO220NET/C *	NET230N	230V	✓	E	For shaft Ø 25,4mm	12	42		<ul style="list-style-type: none"> • Limit switches • Anti-crushing safety device • Magnetic encoder with 6m long cable • Integrated receiver and courtesy light • Unlocking device by cable • Emergency manual manoeuvre by chain (L=3,5m)
637001	LATO220EN		230V	✓	E	For shaft Ø 25,4mm	12	42		<ul style="list-style-type: none"> • Limit switches • Magnetic encoder with 6m long cable • Unlocking device by cable
637011	LATO220CEN *		230V	✓	E	For shaft Ø 25,4mm	12	42		<ul style="list-style-type: none"> • Limit switches • Magnetic encoder with 6m long cable • Unlocking device by cable • Emergency manual manoeuvre by chain (L=3,5m)
637031	LATO400EN		400V	✓	E	For shaft Ø 25,4mm	12	42		<ul style="list-style-type: none"> • ATTENTION: NOT COMPATIBLE WITH NETLINK • Unlocking device by cable • Magnetic encoder with 6m long cable • Limit switches
637041	LATO400CEN *		400V	✓	E	For shaft Ø 25,4mm	12	42		<ul style="list-style-type: none"> • ATTENTION: NOT COMPATIBLE WITH NETLINK • Emergency manual manoeuvre by chain (L=3,5m) • Magnetic encoder with 6m long cable • Limit switches • Unlocking device by cable

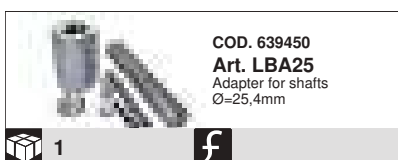
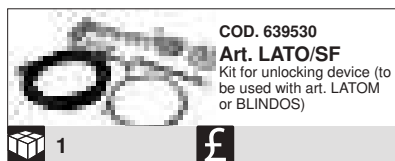
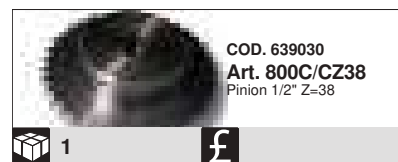
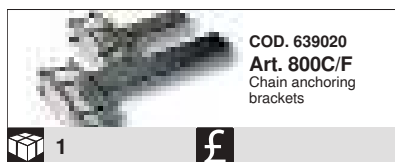
*Complete with manual chain (L useful=3,5m) operation and unlocking device by cable

For all models: 1 side fixing plate art. LE included

For models LATO220NET: control board NET230N included

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

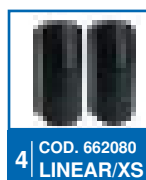
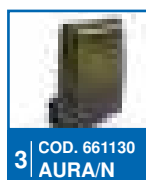
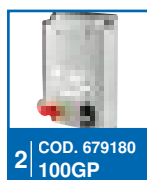
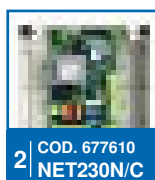
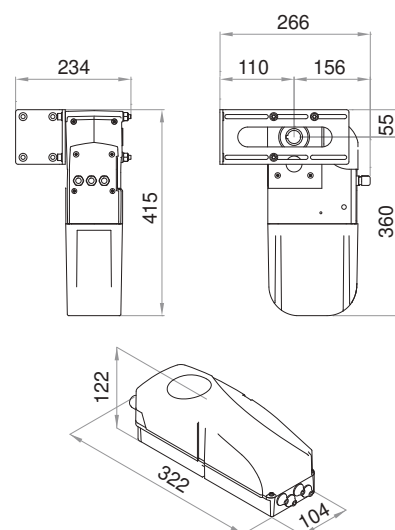
SPECIFIC ACCESSORIES



EXAMPLE OF A TYPICAL INSTALLATION



DIMENSIONS



LIVI 550PL



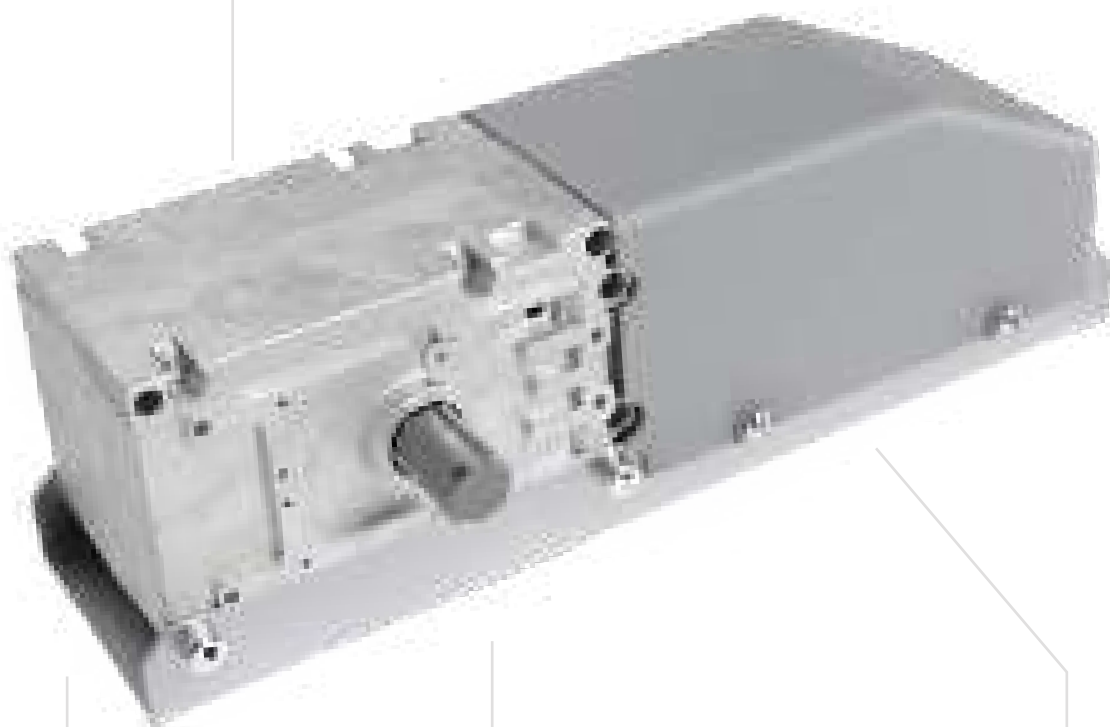
Automations for industrial folding doors



LIVI 550PL

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

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



The version with encoder guarantees high performance and safety in movement

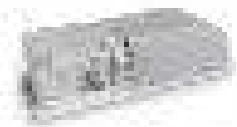


The DE@NET universal control board makes this operator compatible with NETLINK System.

(Only versions with NET230N)



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



LIVI 550PL OPERATORS

COD.	Art.						OTHER CHARACTERISTICS
623410	550PL*	230V		6	42		• Unlocking device by cable (4m)
623411	550PLEN	230V	✓	6	42		• With encoder, unlocking device by cable 4m.

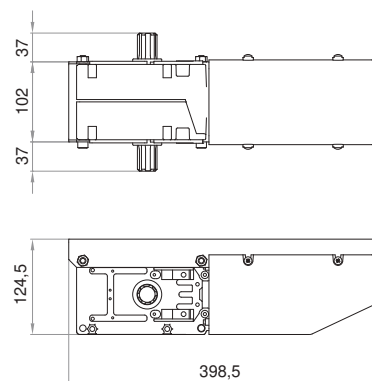
For models: Control board and telescopic arm not included. Unlocking device with cable (4m) included

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

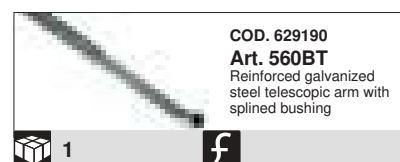
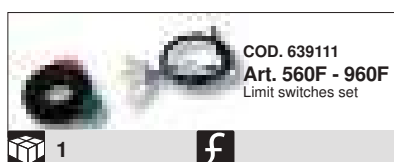
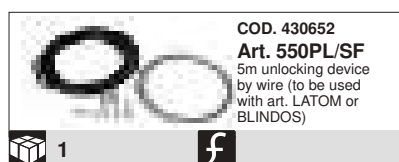
* To comply with standards EN 13241-1, it is compulsory to use the external safety devices in compliance with standards EN 12978.

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

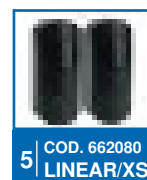
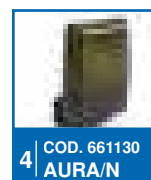
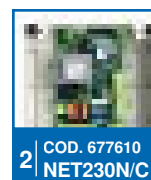
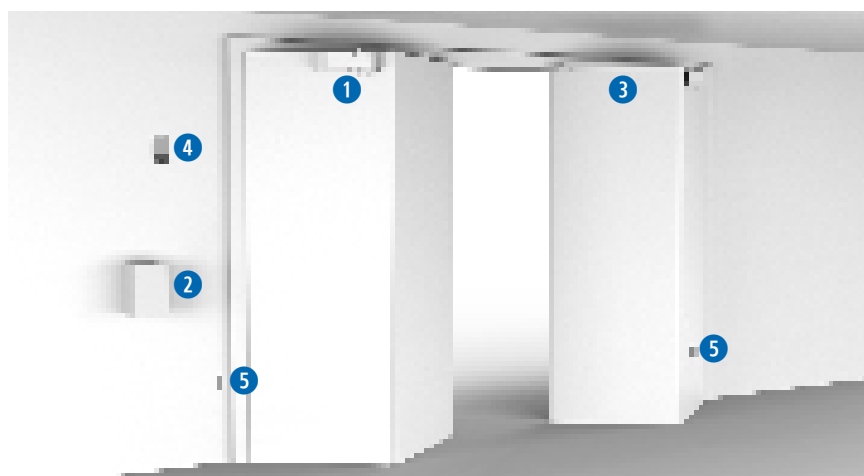
DIMENSIONS



SPECIFIC ACCESSORIES



EXAMPLE OF A TYPICAL INSTALLATION



WILL 140 E



Universal operator for balanced roller shutters



WILL 140 E





WILL 140 E OPERATORS

COD.	Art.								OTHER CHARACTERISTICS
634030	WILL 140 E*	230V	1400N (140kg)	Ø 60mm	✓	10	50	£	<ul style="list-style-type: none"> • With electrobrake and micrometer limit switches. • Complete with internal adapters for shaft Ø=48mm and external adapter for spring boxes Ø=220mm

Control board not included. Electrobrake included

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

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

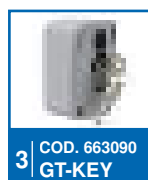
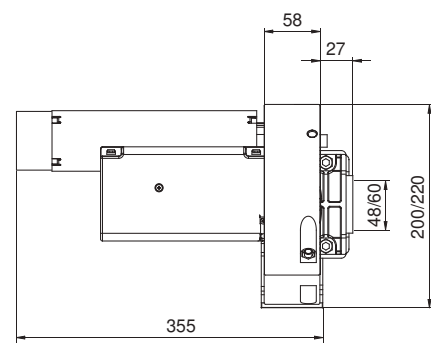
TECHNICAL INFO	WILL 140 E
Motor power supply (V)	230V - 240V ~ ± 10 % (50/60 Hz)
Max torque (Nm)	140
Absorption (A)	1,95
Power (W)	450
Speed (rpm)	10
Operating temperature (°C)	-20 ÷ 55

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

EXAMPLE OF A TYPICAL INSTALLATION



DIMENSIONS





ELECTROMECHANICAL BARRIER AND BOLLARD FOR VEHICLE PASSAGE



Choose the barrier or the bollard suitable for your entrance:



PASS N

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



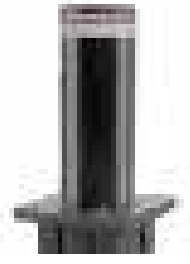
STOP N

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



TRAFIK

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






ROCK

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

SELECTION GUIDE FOR ELECTROMECHANICAL BARRIER

Choose the maximum boom length

	Art.	⚡	⚙️	⌚ 24h	EM COD ER	🌊	
	3m	PASS24NET/N/V	24V	2,2"	800	✓	
	4m	PASS24NET/N/VR	24V	2,8"	800	✓	
		PASS24NET/N/L	24V	6"	800	✓	
	4m	STOP24NET/N/V-F	24V	2,7"	5500	✓	
	4m ÷ 6m	STOPNET/N/L-F	230V	6,5"	1800	✓	
		STOP24NET/N/L-F	24V	5,3"	3000	✓	
	6m ÷ 8m	STOPNET/N/L-F	230V	8"	1500	✓	
	2m ÷ 4m	TRAFIK/N	230V ^{3~}	2 ÷ 4"	15000	✓	✓
	4m ÷ 6m		230V ^{3~}	4 ÷ 8"	5000		

PASS/N



Electromechanical barrier
up to 5m of boom length



PASS/N

The encoder guarantees greater control and safety in movement

Easy manual opening thanks to the key release from the outside

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

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

RAL 7016 grey steel, powder paint, textured finish.

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



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



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

PASS N BARRIERS

COD.	Art.	DEA	⚡	📏	✓	🏠	🏆	📦	⚖️	🇬🇧	OTHER CHARACTERISTICS
644040	PASS24NET/N/V	NET24N	24V	3 m fast	✓	S	41	10			<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
644042	PASS24NET/N/VR	NET24N	24V	4 m fast	✓	S	41	10			
644041	PASS24NET/N/L	NET24N	24V	4 and 5 m slow	✓	S	41	10			
644050	PASS24NET/N/V/INOX	NET24N	24V	3 m fast	✓	S	41	10			
644052	PASS24NET/N/VR/INOX	NET24N	24V	4 m fast	✓	S	41	10			
644051	PASS24NET/N/L/INOX	NET24N	24V	4 and 5 m slow	✓	S	41	10			

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

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

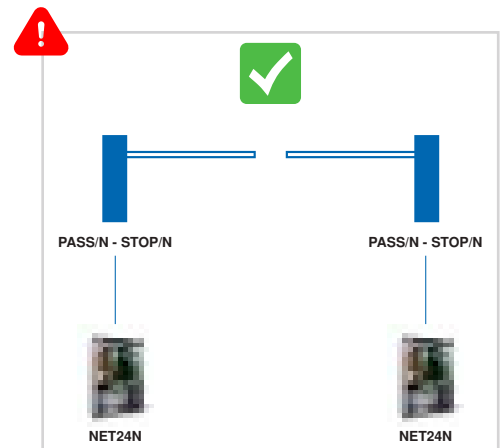
All models:

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

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

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

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



BOOMS AND BOOM HOLDERS

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

1

COD. 649250
Art. OMPASS5
Boom holder and fixing counterplate for DEA boom art. PASS5

1

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

1

COD. 649140
Art. PASS3
DEA rectangular painted boom 3220x65x38mm, with reflective stickers art.1012

1

COD. 649141
Art. PASS4
DEA rectangular painted boom 4220x65x38mm, with reflective stickers art.1012

1

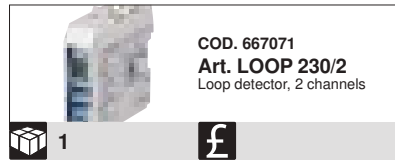
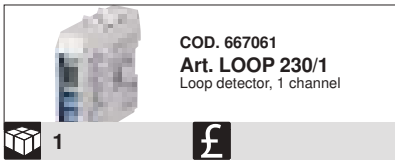
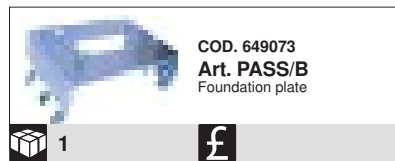
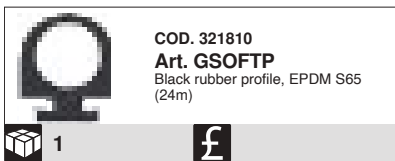
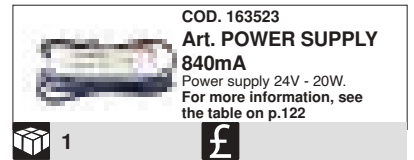
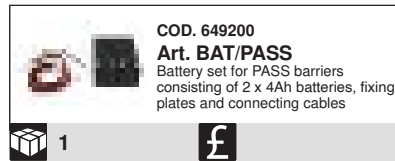
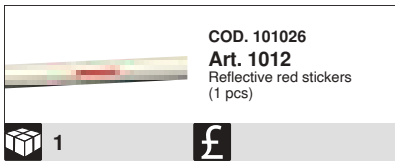
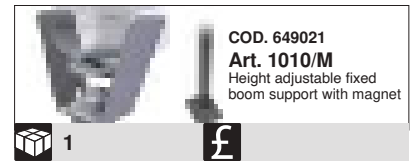
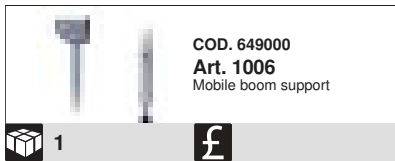
COD. 649240
Art. PASS5
DEA painted lightweight boom 5220x80x40mm, without reflective stickers. To be used only with art. PASS24NET/N/L (not compatible with other accessories)

1

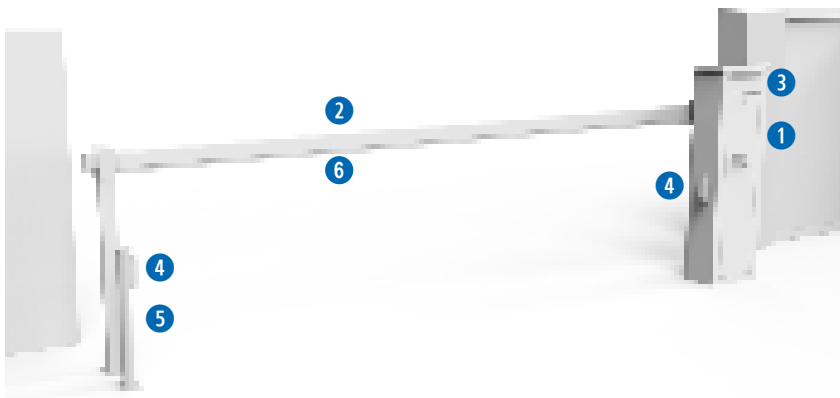
COD. 649012
Art. ART-PASS
Joint for folding boom (art. PASS3 and art. PASS4)

1

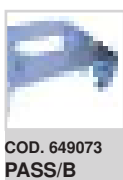
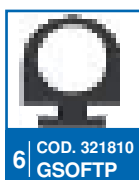
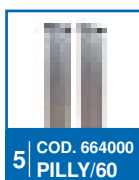
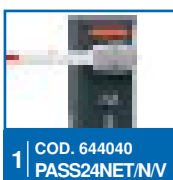
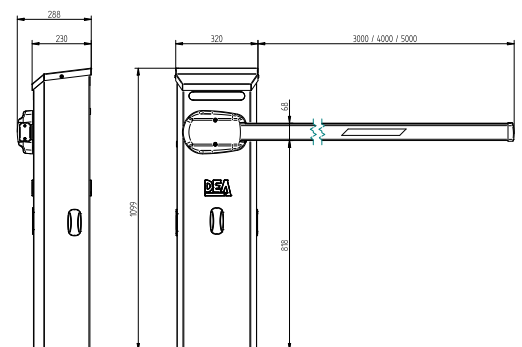
SPECIFIC ACCESSORIES



EXAMPLE OF A TYPICAL INSTALLATION



DIMENSIONS



STOP/N



Electromechanical barrier
up to 8m of boom length



STOP/N

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

Control panel under the top cover for easier programming

The encoder technology guarantees high performance and safety in movement

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

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

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

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

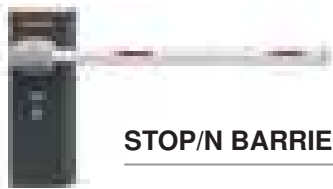
The DE@NET universal control board makes this operator compatible with the NETLINK System.



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

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

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



STOP/N BARRIERS

COD.	Art.	DEA	⚡	📏	🏠	🏁	🏁	🏁	🏁	£	OTHER CHARACTERISTICS
645052	STOPNET/N/L-F	NET230N	230V	6 - 8 m slow	✓	E	81	6			<ul style="list-style-type: none"> • Electromechanical limit switches integrated • Supplied with 2 springs + 1 additional one • Motor control by encoder and obstacle detection
645062	STOPNET/N/L-F/INOX	NET230N	230V	6 - 8 m slow	✓	E	81	6			
645050	STOP24NET/N/V-F	NET24N	24V	4 m fast	✓	E	79	6			<ul style="list-style-type: none"> • Electromechanical limit switches integrated • Supplied with 2 springs • Motor control by encoder and obstacle detection
645060	STOP24NET/N/V-F/INOX	NET24N	24V	4 m fast	✓	E	79	6			
645051	STOP24NET/N/L-F	NET24N	24V	6 - 8 m slow	✓	E	79	6			<ul style="list-style-type: none"> • Electromechanical limit switches integrated • Supplied with 2 springs + 1 additional one • Motor control by encoder and obstacle detection
645061	STOP24NET/N/L-F/INOX	NET24N	24V	6 - 8 m slow	✓	E	79	6			

STOPNET/N/L-F, STOP24NET/N/V-F, STOP24NET/N/L-F models: RAL 7016 grey colour by **cataphoresis treatment**.

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

All models:

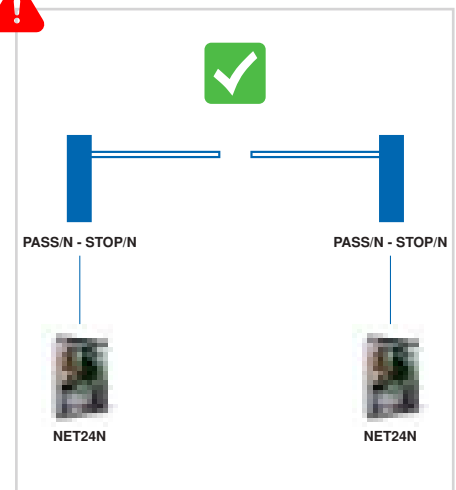
- Led lights, boom, boom holder and foundation plate are not included.

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

- In case of additional accessories, verify the quantity of additional KIT MOLLA needed referring to the chart "ADDITIONAL KIT MOLLA" (see p.122)

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

TECHNICAL INFO	STOPNET/N/L-F		STOP24NET/N/V-F	STOP24NET/N/L-F	
	4 - 6m	6 - 8m	4m	4 - 6m	6 - 8m
Motor power supply (V)	230V ± 10 % (50/60 Hz)			24V ~	
Maximum power absorption (W)	500			120	
Duty cycle (cycles/hours)	150	125	500	250	170
N. max cycles in 24h.	1800	1500	5500	3000	2100
Built-in capacitor (µF)	18			/	
Operating temperature (°C)	(-20°) - (50°)				
Motor thermal protection (°C)	150			/	
90° Opening time (s)	6,5	8	2,7	5,3	7,5
Weight with packing (Kg)	81			79	
Sound pressure (dBA)	< 70				
Protection rating	IPX4				



BOOMS AND BOOM HOLDERS

COD. 649263
Art. BOOM/4
DEA round painted boom
4125xØ80 mm, with stickers
art. 1012

1

COD. 649264
Art. BOOM/6
DEA round painted boom
6125xØ80 mm, with stickers
art. 1012

1

COD. 649262
Art. BOOM-LINK
Joint for boom (art. BOOM/4
and art. BOOM/6)

1

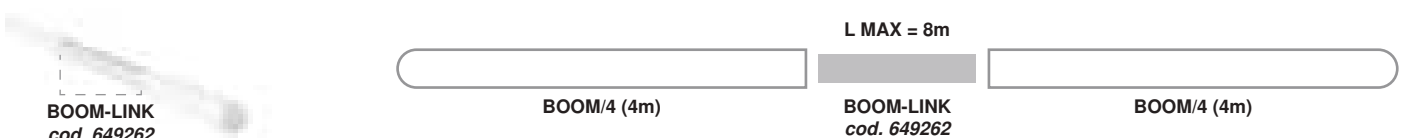
COD. 649270
Art. OMEGA
Boom holder for DEA
booms art. BOOM/4 and
art. BOOM/6

1

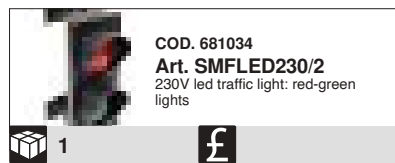
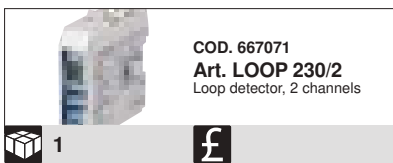
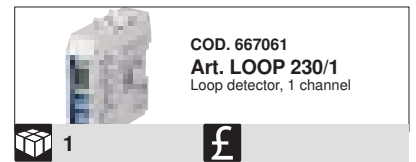
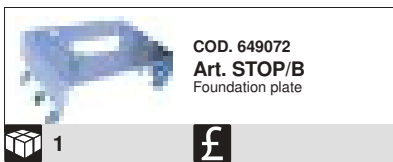
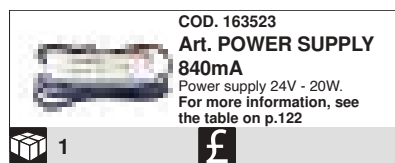
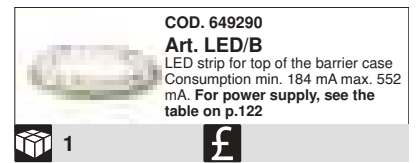
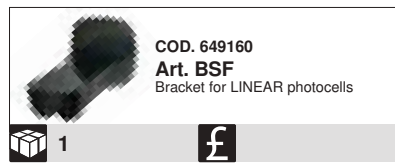
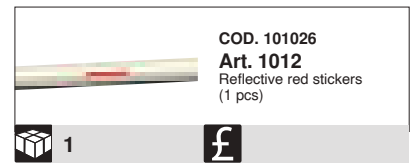
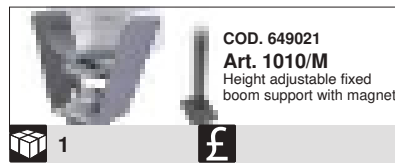
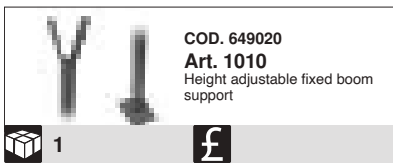
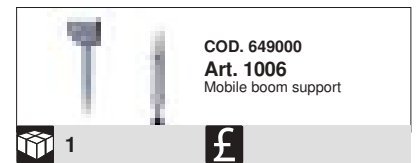
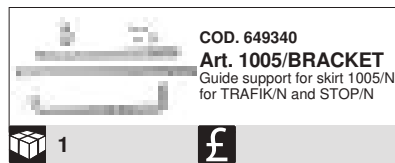
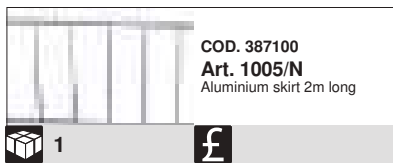
COD. 649011
Art. ART-STOP/N
Joint for folding bar, to be used
with art. BOOM/4

1

ATTENTION



SPECIFIC ACCESSORIES

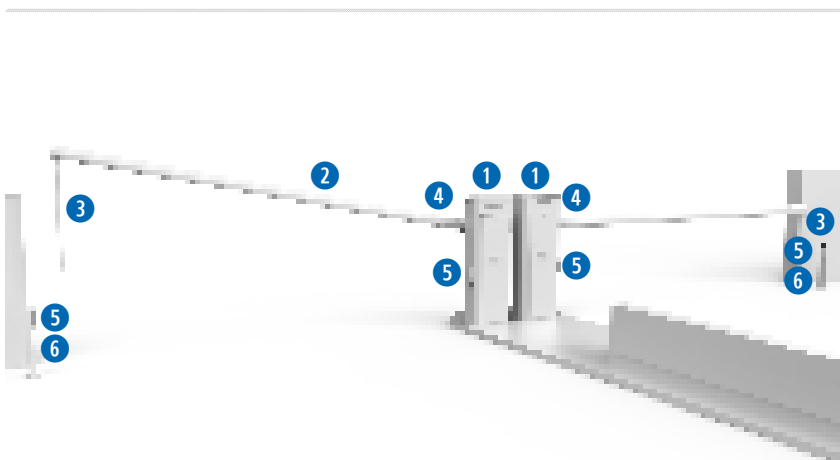


SUPPLEMENTARY KIT MOLLA FOR BARRIERS WITH BOOMS from 4 up to 8m length

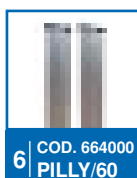
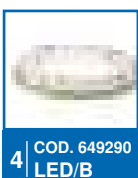
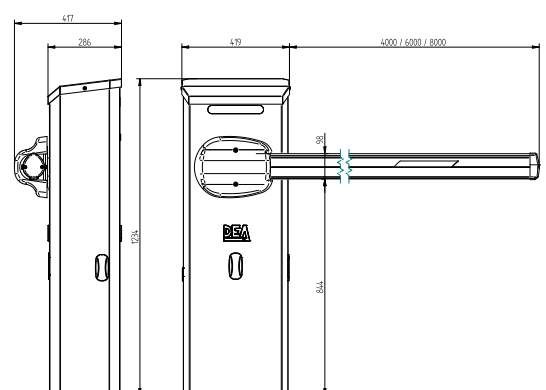


The number of KIT MOLLA (cod. 649220) is different depending on the type of accessories to be mounted on the boom.
The table at page 122 illustrates the number of kits required for different situations.

EXAMPLE OF A TYPICAL INSTALLATION



DIMENSIONS



TRAFIK/N



The new electromechanical road barrier, rated for continuous usage and perfect for heavy traffic!

Up to 6m of boom length



TRAFIK/N

Possibility of installation in rooms with low ceiling thanks to the accessory art. ART-TRAFIK

Flexible and quick during installation thanks to the double output of the shaft which allows you to install the rod in both sides

Easy adjustment of the closing and opening position thanks to the electromechanical limit switches

Possibility of installing an additional limit switch to signal the status of the barrier

Full access to internal mechanical and electrical components thanks to the presence of two doors and a removable cover

Suitable for locations with heavy traffic, such as car parks, commercial areas, industrial sites

Passage width up to 6m

Opening speed max. 1,5"

Operator in oil bath to ensure longer life

High resistance to corrosion with the case with cataphoresis treatment and polyester powder coating



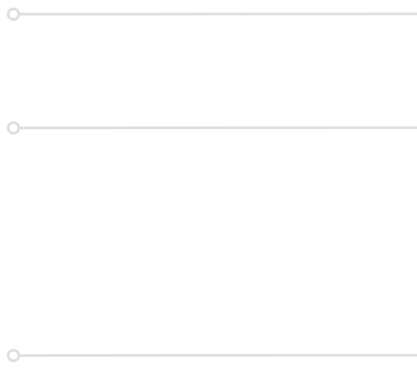
The DE@NET universal control board makes this operator compatible with NETLINK System.



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

RGB LED, multifunction (flashing or fixed) - optional*

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



The combination of inverter technology and encoder guarantees greater control, smoothness and safety in movement





TRAFIK/N BARRIERS

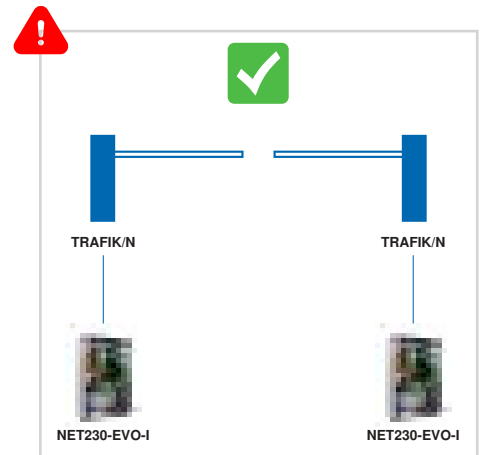
COD.	Art.	DEA	⚡	📏	✓	E	✓	69	4	£	OTHER CHARACTERISTICS
646010	TRAFIK/N*	NET230-EVO-I	230V	2-6 m	✓	E	✓	69	4		<ul style="list-style-type: none"> • Input power supply 230V • Three-phase asynchronous 230V motor • Control board NET230 EVO-I • Inverter-controlled • Obstacle detection performed by the encoder • Electro-mechanical limit switches included
646011	TRAFIK/N INOX**	NET230-EVO-I	230V	2-6 m	✓	E	✓	69	4		

*Main case complete with two doors and top cover with cataphoresis treatment, painted in anthracite RAL 7016.

**Main case complete with two doors and top cover in AISI 304 stainless steel with cataphoresis treatment, painted in anthracite RAL 7016.

Attention: boom, boom holder cover, flashing light circuit and foundation plate not included. Spring not included.

TECHNICAL INFO	TRAFIK/N	
Boom length	2 ÷ 4m	4 - 6m
Motor power supply (V)	230V Three-phase	
Maximum power absorption (W)	230	
N. max cycles in 24h.	15.000	5.000
MCBF (Mean Cycles Between Failures)	3.500.000 Op	
Operating temperature (°C)	(-20°) - (45°)	
90° Opening time (s)	1,5 ÷ 4	4 ÷ 7
Weight with packing (Kg)	70	
Sound pressure (dBA)	< 70	
Protection level	IP54	



BALANCING SPRING

COD. 649310
Art. MOLLA S
Balancing spring with coil wire of Ø 10 mm.

1

COD. 649311
Art. MOLLA XL
Balancing spring with coil wire of Ø 11 mm.

1

The good functioning is ensured by the correct springs balancing and the adjustment of the slow down. See the table at page 123.

BOOMS AND BOOM HOLDERS

COD. 649263
Art. BOOM/4
DEA round painted boom 4125xØ80 mm, with stickers art. 1012

1

COD. 649264
Art. BOOM/6
DEA round painted boom 6125xØ80 mm, with stickers art. 1012

1

COD. 649262
Art. BOOM-LINK
Joint for boom (art. BOOM/4 and art. BOOM/6)

1

COD. 649270
Art. OMEGA
Boom holder for DEA booms art. BOOM/4 and art. BOOM/6

1

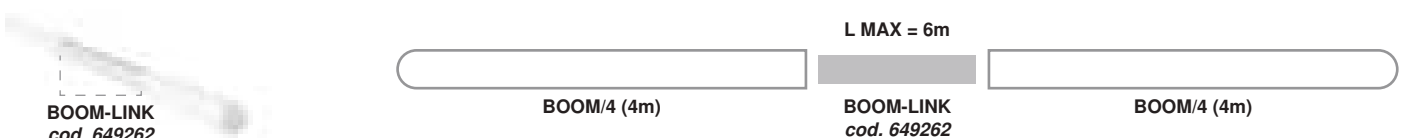
COD. 649370
Art. OMEGA/S
Release rod holder system for TRAFIK/N

1





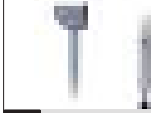

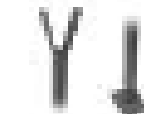























COD. 649360
Art. ART-TRAFIK KIT
90° articulation kit for TRAFIK with 4 metres pre-drilled boom, to be assembled. The use of art. MOLLA S cod. 649310 is mandatory

1

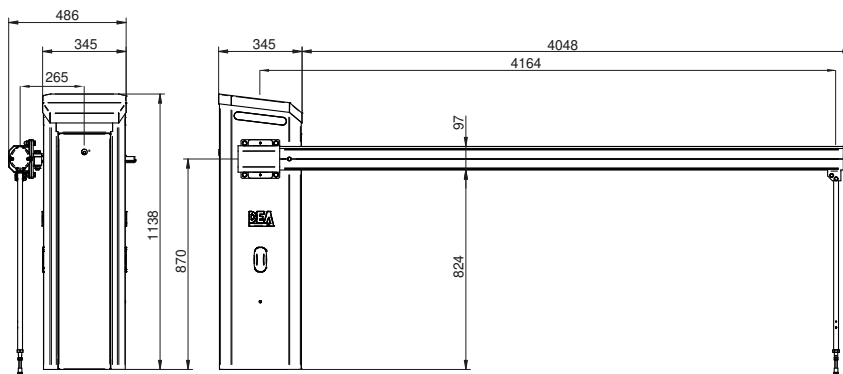
ATTENTION



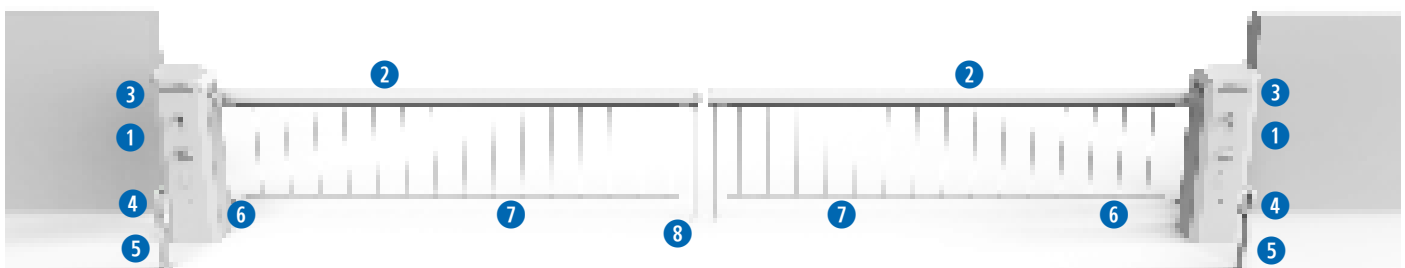
SPECIFIC ACCESSORIES





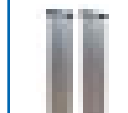





 <p>COD. 649340 Art. 1005/BRACKET Guide support for skirt 1005/N for TRAFIK/N and STOP/N</p> <p>1 </p>	 <p>COD. 387100 Art. 1005/N Aluminium skirt 2m long</p> <p>1 </p>	 <p>COD. 649000 Art. 1006 Mobile boom support</p> <p>1 </p>
 <p>COD. 649020 Art. 1010 Height adjustable fixed boom support</p> <p>1 </p>	 <p>COD. 649021 Art. 1010/M Height adjustable fixed boom support with magnet</p> <p>1 </p>	 <p>COD. 101026 Art. 1012 Reflective red stickers (1 pcs)</p> <p>1 </p>
 <p>COD. 649290 Art. LED/B LED strip for top of the barrier case Consumption min. 184 mA max. 552 mA. For power supply, see the table on p.122</p> <p>1 </p>	 <p>COD. 649174 Art. STRIP-LED RG led strip for booms (L=8m) without power adapter For more information, see the table on p.122</p> <p>1 </p>	 <p>COD. 321810 Art. GSOFTP Black rubber profile, EPDM S65 (24m)</p> <p>1 </p>
 <p>COD. 649300 Art. TRAFIK/B Foundation plate to be fixed</p> <p>1 </p>	 <p>COD. 649320 Art. FC-AUX Additional limit switch for TRAFIK/N</p> <p>1 </p>	 <p>COD. 667061 Art. LOOP 230/1 Loop detector, 1 channel</p> <p>1 </p>
 <p>COD. 667071 Art. LOOP 230/2 Loop detector, 2 channels</p> <p>1 </p>	 <p>COD. 681034 Art. SMFLED230/2 230V led traffic light: red-green lights</p> <p>1 </p>	 <p>COD. 681035 Art. SMFLED24/2 24V led traffic light: red-green lights</p> <p>1 </p>

DIMENSIONS








EXAMPLE OF A TYPICAL INSTALLATION



 <p>1 COD. 646010 TRAFIK/N</p>	 <p>2 COD. 649264 BOOM6</p>	 <p>3 COD. 649290 LED/B</p>	 <p>4 COD. 662044 LINEAR</p>	 <p>5 COD. 664000 PILLY/60</p>	 <p>6 COD. 649340 1005/BRACKET</p>	 <p>7 COD. 387100 1005/N</p>	 <p>8 COD. 649000 1006</p>	 <p>COD. 649270 OMEGA</p>	 <p>COD. 649311 MOLLA XL</p>
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STOP N + BOOM

STOP N is supplied with 2 springs applied and 1 apart.
This table refers to the use of the barrier with light beam BOOM4 and BOOM6

ADDITIONAL KIT MOLLA					
L					KIT MOLLA 
	BOOM LINK	1010/M - 1006	GSOFTP	1005/N	TO BE ADDED
5m	✓	✓	✓		+ 1
	✓			✓	
	✓	✓		✓	
6m				✓	+ 1
		✓		✓	
	✓	✓			
	✓		✓		+ 2
	✓	✓	✓		
	✓			✓	
7m	✓				+ 1
	✓	✓			+ 2
	✓		✓		
	✓	✓	✓		+ 3
	✓			✓	
	✓	✓		✓	
8m	✓				+ 2
	✓	✓			+ 3
	✓		✓		
	✓	✓	✓		+ 4
	✓			✓	
	✓	✓		✓	

PASS/N-STOP/N-TRAFIK/N+LED lights+power supplies

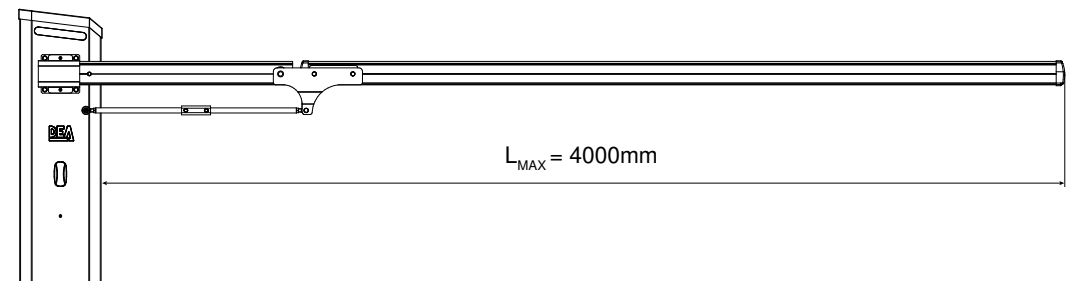
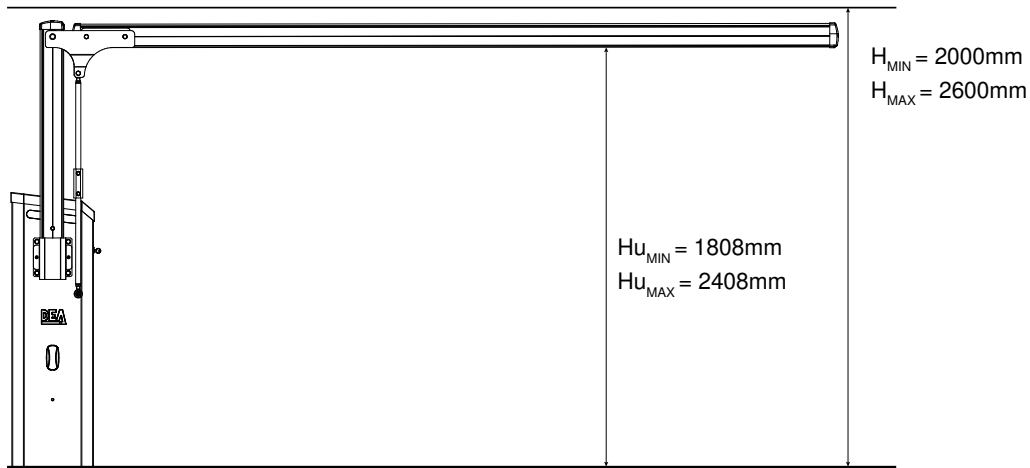
Supplementary power supply guide for the LEDs of PASS/N, STOP/N, TRAFIK/N barriers depending on the chosen accessories

model	LED lights			
	LED/B cod.649290		STRIP-LED cod.649174	
	on during movement	always on	on during movement	always on
PASS/N	-		-	
STOP/N (230V)	POWER SUPPLY 840mA cod. 163523	POWER SUPPLY 840mA cod. 163523	POWER SUPPLY 840mA cod. 163523	POWER SUPPLY 840mA cod. 163523
STOP/N (24V)	-		-	
TRAFIK/N	-	-	-	-

TABLE valid for LED accessories where only 1 basic colour is powered (R-G-B).

If 2 or 3 basic colours are activated simultaneously on the LED accessory to obtain other colours in addition to R-G-B, check the total absorption in the technical manuals and check that the 24V source provided can support it.

TRAFIK + ART. TRAFIK KIT



TRAFIK/N + BOOM + MOLLA

L		 / 		MOLLA
2m - 5m	-	-	-	S
		✓		
			✓	
	✓	✓		
	✓	✓	✓	
5,5m	-	-	-	S
		✓		
			✓	
		✓	✓	XL
	✓	✓		
6m	-	-	-	XL
			✓	
		✓		
	✓	✓		
	✓	✓	✓	

ROCK



Hydraulic retractable bollard

height 700 mm



ROCK

Hydraulic pump integrated in the top section, to assist with maintenance activities



High visibility thanks to the reflective band and the diffuser with red LED

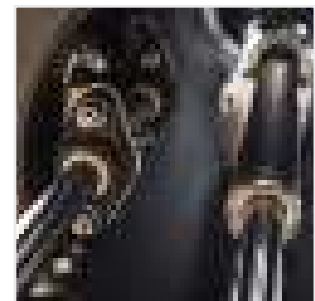
Removable structure with double anti-corrosion treatment: cataphoresis and thermal painting black polyester



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



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

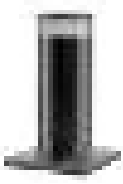


Linear guide system with chrome-plated steel cylinders

Suitable for intensive usage thanks to the hydraulic circuit power.

The version with cable simplifies the wiring phase and ensures watertight integrity





ROCK OPERATORS

COD.	Art.								OTHER CHARACTERISTICS
651001	ROCK/CABLE	230V	274 mm	700 mm	6 mm	M	1		<ul style="list-style-type: none"> •Removable structure, cataphoresis treatment •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) •Framework with cataphoresis treatment to be cemented (art. ROCK/B) not included •Colour: NERO SIDERALE PERL •Electrovalve for quick descent in case of power failure (only item ROCK/CABLE/EL)
651002	ROCK/CABLE/EL*	230V	274 mm	700 mm	6 mm	M	1		
651020	ROCK/F	FIXED VERSION	274 mm	700 mm	6 mm		1		<ul style="list-style-type: none"> •Fixed bollard with cataphoresis treatment •Retro-reflecting film with high-luminous efficacy


For ROCK and ROCK/CABLE: framework art. ROCK/B not included

ROCK/F: supplied without led light and base cover

*ROCK/CABLE/EL: art. ROCK/EL V2 included


TECHNICAL INFO	ROCK/CABLE	ROCK/CABLE/EL
Movement	Hydraulic	
Height	700mm	
Diameter	Ø274mm (±2mm)	
Material	Steel Fe 360	
Treatment	Cataphoresis and polyester powder paint, black	
Ascent time	6 sec	
Descent time	5 sec	
Quick descent time (with solenoid valve and power failure)	1,5 sec	
Usage	Intensive	
Reflective band	50mm	
Emergency manual manoeuvre	Mechanical unlocking on hydraulic circuit	
Impact resistance	29KJ with clamps ; 40KJ with armor reinforcement	
Crash resistance	29KJ with clamps ; 138KJ with armor reinforcement	
Cable for connection	15 m FG16 7x1,5 + 10x0,5	
Operating temperature	-15°C + 50°C -25°C + 50°C with heater	
Obstacle detection	Adjustable pressure switch	
Product weight	130 kg	
Hydraulic pump	Power supply 230V+10% 50/60 Hz	
Power absorption	400 W	420 W
Protection level	IP67	
Capacitor	12,5 µF	
Motor thermal protection	130°C	

BOOMS AND BOOM HOLDERS



COD. 659064
Art. ROCK/EL V2
Solenoid and valve for quick descent, power supply cable included

1




COD. 659022
Art. ROCK/LOCK
Safety lock for bollard art. ROCK

1



COD. 659061
Art. ROCK/RE
Antifreeze heater

1



COD. 659070
Art. ROCK/B
Framework for bollard art. ROCK Ø=273 h=700mm

1



COD. 659071
Art. ROCK/C
Manhole close for bollard art. ROCK

1



COD. 659090
Art. ROCK/FB
Foundation base, clamps and base-covering flange for ROCK/F

1

COD. 659091
Art. ROCK/F LED
 Lighting kit for ROCK/F with LED circuit+Buzzer, power supply unit and junction box

1

COD. 667061
Art. LOOP 230/1
 Loop detector, 1 channel

1

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

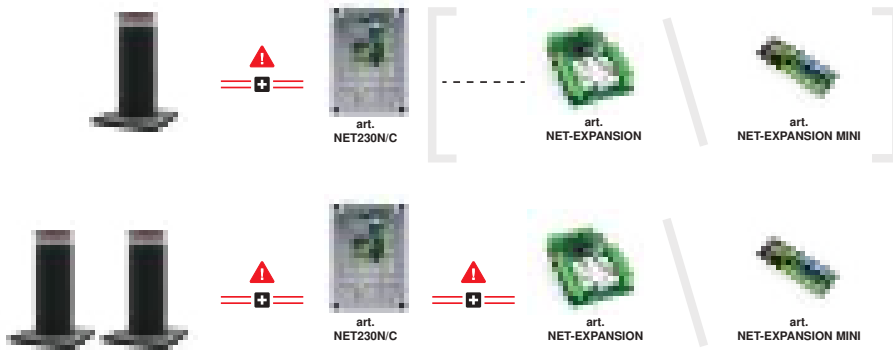
1

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

1

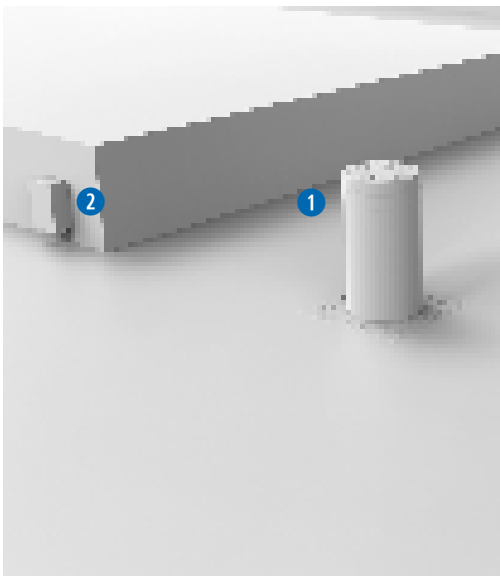
COD. 681035
Art. SMFLED24/2
 24V led traffic light: red-green lights

1



COD.	Art.
677610	NET230N/C
677611	NET230N/PROBOX
677620	NET-EXPANSION
677622	NET-EXPANSION MINI

EXAMPLE OF A TYPICAL INSTALLATION



1 **COD. 651001**
ROCK/CABLE

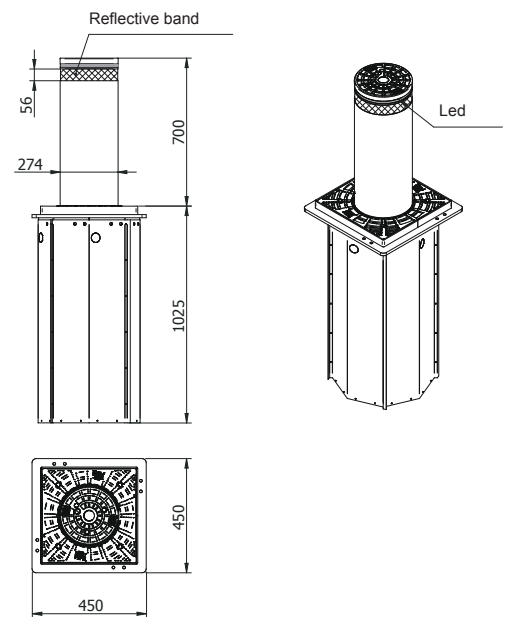
COD. 659070
ROCK/B

2 **COD. 677611**
NET230N/PROBOX

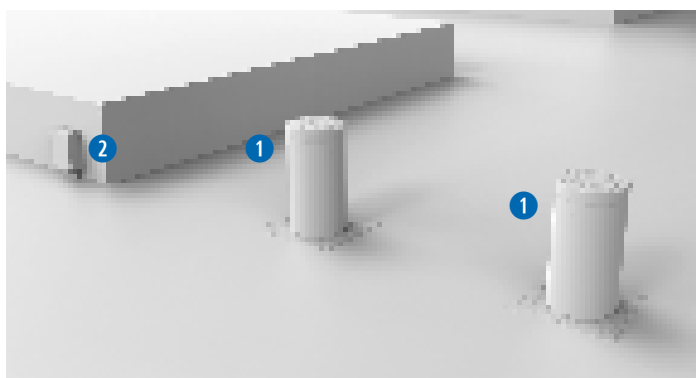
2 **COD. 679210**
STEELBOX

COD. 667071
LOOP 230/2

DIMENSIONS



EXAMPLE OF A TYPICAL INSTALLATION



1 **COD. 651001**
ROCK/CABLE

COD. 659070
ROCK/B

2 **COD. 677611**
NET230N/PROBOX

2 **COD. 679210**
STEELBOX

2 **COD. 677622**
NET-EXPANSION MINI

COD. 667071
LOOP 230/2

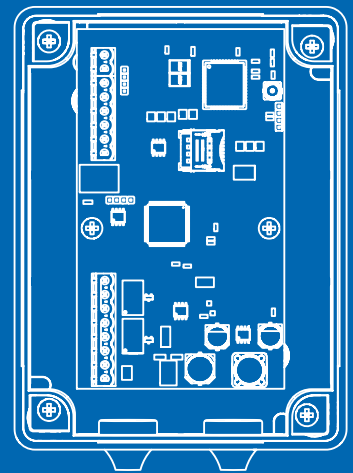
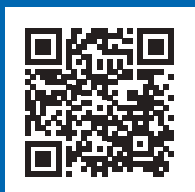
NETLINK

devices and accessories

All our operators with NETLINK technology are compatible with **NETCOM**, the device to **remotely manage your installations**, diagnose faults and **manage remotes**.

From the comfort of your office by GSM.

Watch the video!



NETLINK

is our technology applied to DEA devices for
the smart management of your installations,
both locally and remotely.



NET-COM

It's the device for the installations maintenance and remotes management, from your office!

- It can be used as a "TIMER" with the management of **calendar time slots**
- it can memorise up to **1,500 remotes**.

Features:

- modem
- 433 MHz radio receiver
- 2 programmable inputs and outputs
- archive memory up to 150,000 logs
- battery for keeping the clock up in case of power failure



NETCOM



4G-EXP

COD.	Art.			€
679117	NET-COM	Device with 2G modem, supplied without a SIM (M2M) Possibility of using a SIM supplied by other operators Antenna included. External power supply unit required art.POWER SUPPLY 840mA cod.163523	1	
679120	NET-COM/4G	Device with 4G modem, supplied without a SIM (M2M) Possibility of using a SIM supplied by other operators Antenna included. External power supply unit required art.POWER SUPPLY 840mA cod.163523	1	
679119	4G-EXP	4G module to be used to transform a NET-COM 2G into 4G (plug-in circuit)	1	

SIM plan and accessories



SIM BASE



SIM PRO



POWER SUPPLY 840mA

179010	SIM BASE	SIM (Machine to Machine - M2M) with 5-year BASE plan (max. 2MB/month) for use with NETCOM. ATTENTION: not compatible with DEAuser See table on p.13 to discover all the functionalities of this board	1
179011	SIM PRO	SIM (Machine to Machine - M2M) with 5 year PRO plan (max. 10MB/month) for use with NETCOM. Compatible with DEAuser See table on p.13 to discover all the functionalities of this board	1
163523	POWER SUPPLY 840mA	Power supply 24V - 20W. For more information, see the table on p.124	1



ANTENNA GSM-LTE



S-EXTENDER



LAN-EXP

179009	ANTENNA GSM-LTE	GSM-LTE outdoor antenna to increase the range signal. Cable= 2 m	1
677650	S-EXTENDER	Control board to extend from 3 m up to 50 m the range of the wiring between NET-COM and other NETLINK devices (such as control boards DE@NET and receivers).	1
679118	LAN-EXP	Plug-in module to connect the LAN cable to NETCOM	1

NET-BOX



NET-BOX



GT CABLE

COD.	Art.			£
679112	NET-BOX	NET-BOX is the DEA tool that allows you to customise the DEA remotes. Note: 1 pc art. GT-CABLE included	1	
470351	GT-CABLE	Cable to be used with NETBOX for programming compatible remotes	1	

NET-NODE



DEAinstaller



DEAuser



NET-NODE 2.0



PREMIUM CARD

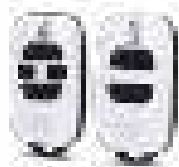
COD.	Art.			£
677642	NET-NODE 2.0	Updated version of NET-NODE. Device to be connected to DE@NET control boards and to external receivers. Thanks to NET-NODE you can use the DEAinstaller and DEAuser apps on your smartphone. It is compatible only with DE@NET control board equipped with serial gate and NETLINK technology.	1	
397227	NET-CABLE	Cable to connect NET-NODE and NET-BOX with NET control boards and receivers, L= 500 mm	1	
679113	PREMIUM CARD	Card with serial code to upgrade your account to "Premium". It allows you to share the data of the installations with max 10 smartphones.	1	

REMOTE CONTROLS

DEA exclusive coding

D.A.R.T.

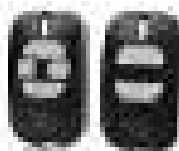
DEA Advanced Rolling Transmission



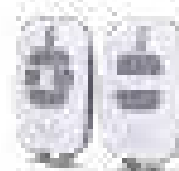
GTI2 - GTI4



GTI2/868 - GTI4/868



GTI2N - GTI4N



GTI2M - GTI4M



COD.	Art.		
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ROLLING CODE REMOTES

672635	GTI2	Serialized in sequence , white 2-channel remote control, 433 MHz, with 3 coding: HCS Rolling-Code, Dip-Switch and new DART coding	100 600
672645	GTI4	Serialized in sequence , white 4-channel remote control, 433 MHz, with 3 coding: HCS Rolling-Code, Dip-Switch and new DART coding	100 600
672637	GTI2/868	Serialized in sequence , white 2-channel remote control, 868 MHz, with 3 coding: HCS Rolling-Code, Dip-Switch and new DART coding	100 600
672647	GTI4/868	Serialized in sequence , white 4-channel remote control, 868 MHz, with 3 coding: HCS Rolling-Code, Dip-Switch and new DART coding	100 600
672636	GTI2N	Serialized in sequence , black 2-channel remote control, 433 MHz, with 3 coding: HCS Rolling-Code, Dip-Switch and new DART coding	100 600
672646	GTI4N	Serialized in sequence , black 4-channel remote control, 433 MHz, with 3 coding: HCS Rolling-Code, Dip-Switch and new DART coding	100 600

CLONING REMOTES

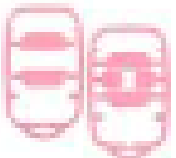
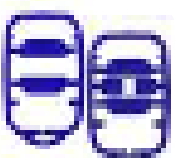

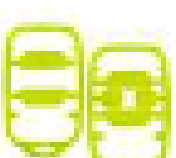



672603	GTI2M	Cloning serialized white 2-channel remote control, 433 MHz, with 3 coding: HCS Rolling-Code, Dip-Switch and new DART coding	100 600
672613	GTI4M	Cloning serialized white 4-channel remote control, 433 MHz, with 3 coding: HCS Rolling-Code, Dip-Switch and new DART coding	100 600

WALL SUPPORT

679191	GT-WALL	White support for transmitter art. GT (80xh80x15 mm)	1
679192	GT-WALL/N	Black support for transmitter art. GT (80xh80x15 mm)	1



BUTTONS KIT FOR GTI REMOTES

	679246	KIT GTI4 BUTTONS PINK	Buttons kit, pink, for 4 channels GTI remotes (5pcs) Note: kit includes buttons only, the remote must be purchased separately	1
	679236	KIT GTI2 BUTTONS PINK	Buttons kit, pink, for 2 channels GTI remotes (5pcs) Note: kit includes buttons only, the remote must be purchased separately	1
	679245	KIT GTI4 BUTTONS BLUE	Buttons kit, blue, for 4 channels GTI remotes (5pcs) Note: kit includes buttons only, the remote must be purchased separately	1
	679235	KIT GTI2 BUTTONS BLUE	Buttons kit, blue, for 2 channels GTI remotes (5pcs) Note: kit includes buttons only, the remote must be purchased separately	1
	679243	KIT GTI4 BUTTONS GREEN	Buttons kit, dark green, for 4 channels GTI remotes (5pcs) Note: kit includes buttons only, the remote must be purchased separately	1
	679233	KIT GTI2 BUTTONS GREEN	Buttons kit, dark green, for 2 channels GTI remotes (5pcs) Note: kit includes buttons only, the remote must be purchased separately	1
	679240	KIT GTI4 BUTTONS LIGHT GREEN	Buttons kit, light green, for 4 channels GTI remotes (5pcs) Note: kit includes buttons only, the remote must be purchased separately	1
	679230	KIT GTI2 BUTTONS LIGHT GREEN	Buttons kit, light green, for 2 channels GTI remotes (5pcs) Note: kit includes buttons only, the remote must be purchased separately	1
	679244	KIT GTI4 BUTTONS YELLOW	Buttons kit, yellow, for 4 channels GTI remotes (5pcs) Note: kit includes buttons only, the remote must be purchased separately	1
	679234	KIT GTI2 BUTTONS YELLOW	Buttons kit, yellow, for 2 channels GTI remotes (5pcs) Note: kit includes buttons only, the remote must be purchased separately	1
	679241	KIT GTI4 BUTTONS ORANGE	Buttons kit, orange, for 4 channels GTI remotes (5pcs) Note: kit includes buttons only, the remote must be purchased separately	1
	679231	KIT GTI2 BUTTONS ORANGE	Buttons kit, orange, for 2 channels GTI remotes (5pcs) Note: kit includes buttons only, the remote must be purchased separately	1
	679242	KIT GTI4 BUTTONS PURPLE	Buttons kit, purple, for 4 channels GTI remotes (5pcs) Note: kit includes buttons only, the remote must be purchased separately	1
	679232	KIT GTI2 BUTTONS PURPLE	Buttons kit, purple, for 2 channels GTI remotes (5pcs) Note: kit includes buttons only, the remote must be purchased separately	1



NET-CPU-EVO

Compatible with NETCOM



NET-M230-I



NET230EVO-I-C

Compatible with NETCOM

COD.	Art.		£
677660	NET-CPU EVO	<p>Control module (mounted on GULLIVER/N and TRAFIK/N) programmable via display, powered at 24V (accessory art. POWER SUPPLY 2A not included), manages 1 or 2 power modules with NET-M230-I inverter.</p> <p>Built-in 433MHz radio receiver with possibility of storing up to 200 radio commands. Possibility of adjusting more than 150 parameters.</p> <p>12 programmable inputs with 4 COM terminals, 4 non-powered relay outputs with max. capacity 6A / 250V-AC / 30V-DC, 5 programmable 24V outputs and 1 24V output for accessories max. 1A.</p> <p>Compatible with NETLINK system to connect NET-NODE, for local management, and NET-COM, for remote management.</p> <p>Only electronic circuit.</p>	1
677661	NET-M230-I	Power module with inverter for single-phase or three-phase motor in 230V. For use with NET-CPU-EVO.	1
677662	NET230EVO-I/C	NET-CPU-EVO board with power supply unit art. POWER SUPPLY 2A and power module art. NET-M230-I mounted on box art. 100GR	1
677663	NET230EVO-I-PROBOX	NET-CPU-EVO board with POWER SUPPLY 2A power supply unit and power module art. NET-M230-I mounted on a plate with trunking and DIN rail for use with STEELBOX	1
678301	NET724 EVO	Control board for SPACE/N / ADVANCE/N and for LIVI 4/24N/F operators (without box, circuit only)	1

CONTROL BOARDS RANGE DE@NET



NET230N/C

Compatible with NETCOM



NET230N/PROBOX

Compatible with NETCOM

COD.	Art.		£
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, counterweight 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>(182xh267x98mm)</p>	1
677600	NET230N	Circuit only	20
677611	NET230N/PRO-BOX	NET230 control board mounted on plate with cable holders and DIN rail to use on art. STEELBOX	1



NET24N/C

Compatible with NETCOM



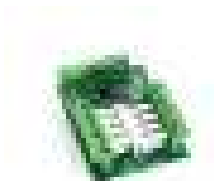
NET24N/PROBOX

Compatible with NETCOM

		Universal digital control board with box (100GR) for 1 or 2 operators, 24V DC, with or without magnetic encoder.	
		Selection in a single step of the type of operator used (sliding, swing, counterweight door, barrier, sectional door, bollard), with automatic configuration all inputs/outputs and best operating options. Factory configured as a swing.	
678261	NET24N/C	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.	1
		Simplified learning procedure. 433 MHz radio receiver for up to 100 remote controls (fixed or rolling code coding). (182xh267x137mm)	
678263	NET24N/C250	NET24N with 250W transformer for use with REV operators ready for IRON BOX	1
678251	NET24N	Circuit only	20
678264	NET24N/PROBOX	NET24 control board with transformer mounted on plate with cable holders and DIN rail to use on art. STEELBOX	1

EXPANSION BOARDS

COD.	Art.		£
677620	NET-EXPANSION	Expansion board 6 inputs - 8 outputs for control boards NET Series. 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). Compatible only with DE@NET boards with serial port (NET230N and NET24N from the version 30, NET724N from version 1 and NET724N/XL).	1
677622	NET-EXPANSION MINI	Mini expansion board, 4 resistive input and 1 NC-NO output, compatible only with NET24N and NET230N	1
677621	NET-EXPANSION/C	NET-EXPANSION expansion board with box and 1000 mm cable	1
677651	485/EXP/MASTER SLAVE	Expansion board for connecting two EVO series control units in MASTER-SLAVE mode. For this functionality, each control unit must be connected to an expansion module.	1
677670	OUTPUT EXP 24V	Dry contact conversion module for 24V DC outputs.	1



NET-EXPANSION



NET-EXPANSION MINI



485/EXP/MASTER SLAVE



OUTPUT EXP 24V

CONTROL BOARDS RANGE NORMA



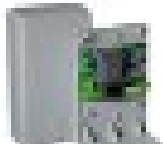
400RR/C

COD.	Art.			£
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.	1	
677130	400RR	Only electronic circuit.	1	

CONTROL BOARDS RANGE START



212E/C



211ER/C

COD.	Art.			£
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.	1	
677110	212E	Circuit only	1	
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.	1	

POWER SUPPLIES



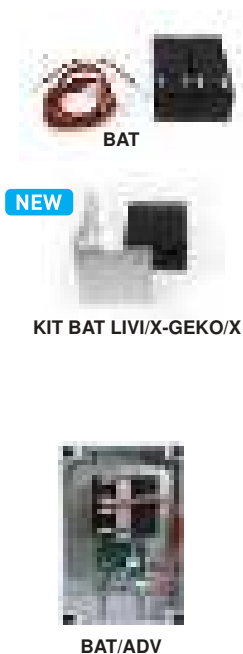
COD.	Art.			€
163523	POWER SUPPLY 840mA	Power supply 24V - 20W. For more information, see the table on p.83	1	
163016	POWER SUPPLY 2A	Power supply 230VAC-24V 2.2A Used on NET-M230-I.	1	

SOLAR POWER SYSTEM



COD.	Art.			£
681053	GREEN ENERGY/N	Solar power system to be used for applications with control board NET24N and NET724N. The set includes: box with 2 pieces 18 Ah buffer battery and battery charge control circuit. Solar panel not included. Art. CHARGER included.	1	
681051	CHARGER	Battery charger for GREEN ENERGY	1	
681054	SOLAR PANEL/XL	Solar panel 30Wp with possibility to install up to 2 panels (wall fixing plate included). (390x660x25mm)	1	

RECHARGEABLE BATTERIES



COD.	Art.			£
629290	BAT	Batteries set with 2 x 12V batteries (1,2Ah for 24V operators), fixing plates and connecting cables	1	
629293	KIT BAT LIVI/X-GEKO/X	Rechargeable batteries kit, 12V - 1,2Ah, complete with wiring cables and fixing plate for GEKO/X and LIVI/X	1	
649200	BAT/PASS	Batteries set for PASS N barriers complete with 2 x 4Ah batteries, fixing plates and connecting cables	1	
649201	BAT/STOP	Batteries set for STOP N barriers complete with 2 x 4Ah batteries, fixing plates and connecting cables	1	
639590	BAT/ADV	Battery set for ADVANCE N / SPACE N	1	
175001	117	Rechargeable battery, 12V, 4Ah	1	
175000	117B	Rechargeable battery, 12V, 1,2Ah	1	
175009	117G	Extra battery for GREEN ENERGY	1	

BOXES FOR CONTROL BOARDS

	COD.	Art.			£
	679130	100A	Self-extinguishing ABS box to be inserted into LIVI sliding operators or for wall mounting (113 x h190 x 65 mm)	1	
	679060	100G	Self-extinguishing ABS box (180 x h265 x 90 mm)	1	
	679070	100GR	Self-extinguishing ABS box with raised cover (180 x h265 x 130 mm)	1	
	679180	100GP	Wired cover with push buttons (180 x h265 x 60 mm)	1	
	679140	100GG	Self-extinguishing ABS large 100G and 100GR protective box to IP55 (250 x h350 x 175 mm)	1	
	679210	STEELBOX	Painted steel box with key lock for installation of control boards and other devices. The key is compatible with the locks of all the breakouts of the Dea operators. (300 x h400 x 200 mm)	1	

RECEIVERS



COD.	Art.			£
675602	281/2	Hardwired 2 channels receiver 433 MHz with capacity to store 1000 transmitters and button assignment independently for each transmitter and relay. Power 24V AC/DC, maximum contact rating 0,5A/30V DC, supplied with box art.100F (for indoor installation)	10 100	
675603	281/2/868	Hardwired 2 channels receiver 868 MHz with capacity to store 1000 transmitters and button assignment independently for each transmitter and relay. Power 24V AC/DC, maximum contact rating 0,5A/30V DC, supplied with box art.100F (for indoor installation)	10 100	
675604	281/2/12V	Hardwired 2 channels receiver 433 MHz with capacity to store 1000 transmitters and button assignment independently for each transmitter and relay. Power 12V DC, maximum contact rating 0,5A/30V DC, supplied with box art.100F (for indoor installation)	10 100	

RECEIVERS ACCESSORIES



100F



BOX/A



240-240/868



240E

COD.	Art.			£
679160	100F	Box for radio receiver art. 281/2 and art. 281/2/868	5	
679010	BOX/A	Box with built-in antenna for hardwired radio receivers art. 281/2 for external use	1	
179004	240	Tuned antenna 433MHz	1	
179008	240/868	Tuned antenna 868 MHz	1	
179006	240E	Supplementary antenna for ADVANCE/N / SPACE/N operators	1	

HOME AUTOMATION



220-H



220-5H



TR-PLUS

COD.	Art.			£
675590	220-H	2-channel mini recessed receiver (1 unit)	1	
675591	220-5H	2-channel mini recessed receiver (5 units)	1	
672620	TR-PLUS	Multi-channel remote control	1	

PHASE OUT

ACCESS CONTROL



COD.	Art.			£
663310	DIGIPRO	Digikey with cable and proximity reader (76xh120x28mm)	1	
663311	DIGISLIM	Digikey with cable and proximity reader (45xh165x23,5mm)	1	
673001	CARDPROX	Proximity card with transponder, blank	1	
673011	COINPROX	Proximity token with transponder	1	

PUSH-BUTTON KEYPAD

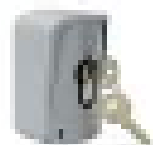


COD.	Art.			£
663400	PULSY	Push button panel open (N.O.) / close (N.C.) IP40 - Max 1 A	1	

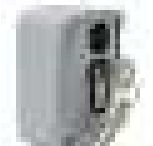
KEYSWITCHES



102LUX



GT-KEY



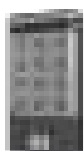
GT-KEY/SB



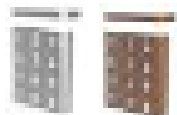
GT-KEY/I

COD.	Art.			£
663030	102LUX	Plastic keyswitch with two contacts, surface mounted. Supplied with 2 keys. (78xh90x32mm)	1	
663090	GT-KEY	Metal vandal proof keyswitch with two contacts, surface mounted. Supplied with 2 keys. (70xh102x55mm)	1	
663091	GT-KEY/SB	Aluminium key switch with two keys and unlocking device by cable Note: unlocking function to be used with operators for WILL 140 E roller shutter (70xh102x55mm)	1	
663092	GT-KEY/I	Metal vandal proof keyswitch with two contacts, surface mounted. Supplied with 2 keys. (70xh102x55mm)	1	

KEYPAD



DIGIRAD N



DIGICOVER

COD.	Art.			£
663320	DIGIRAD/N	Digital radio keypad with 4 channels powered by batteries (2 x CR2450). Can store up to 300 codes (2-8 digits). 433.92 MHz frequency with selectable Rolling Code, Dip Switch and D.A.R.T. coding. Painted composite material for high UV resistance. Integrated Bluetooth module for programming and updating via DEInstaller app	60	
679250	DIGICOVER SILVER	Kit consisting of top cover and aluminium-effect button covers	1	
679251	DIGICOVER CORTEN	Kit consisting of top cover and button covers corten effect	1	

PHOTOCELLS AND COLUMNS



LINEAR/XS



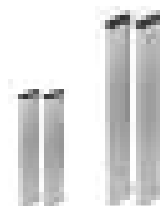
LINEAR - LINEAR/B



COVER/2



BSF



PILLY60 PILLY120



PILLY BASE



105/N



106/N

COD.	Art.			£
662080	LINEAR/XS	Pair of mini synchronizable photocells for outdoor installation. Maximum range 20m (31,5xh92x38mm)	10 100	
662044	LINEAR	Pair of adjustable photocells (180°) with possibility of synchronized operating. Range 20m (40xh125x46mm)	10 60	
662043	LINEAR/B	Pair of adjustable photocells with battery-powered transmitter. Range 7/15m (40xh125x46mm)	10 60	
662047	LINEAR/SHIELD	Pair of adjustable photocells LINEAR with vandal-proof aluminium cover art. COVER (56xh155x55mm)	22	
681060	COVER/2	Vandal-proof aluminium cover for LINEAR and LINEAR/B photocells (2 pcs) (56xh155x55mm)	22	
649160	BSF	Bracket for Linear photocells	1	
664000	PILLY/60	Pair of 55cm column for photocells (2 pcs)	1	
664010	PILLY/120	Pair of 100cm column for photocells and accessories (2 pcs)	1	
664020	PILLY/BASE	Support to be cemented for column	1	
662012	105/N	Pair of recessed photocells (70xh70x88 mm)	1	
681070	106/N	Plastic holder to be cemented for art. 105/N (8 pcs) (63xh63x73mm)	8	

LOOP DETECTORS



COD.	Art.			£
667061	LOOP 230/1	Loop detector, 1 channel	1	
667071	LOOP 230/2	Loop detector, 2 channels	1	

FLASHING LIGHTS



- 24V
- 120V
- 230V

COD.	Art.			£
661130	AURA/N	LED flashing light, multi-voltage 24AC-DC /120AC/230AC, with integrated antenna 433MHz/868MHz Cable L=5m	50	
649290	LED/B	LED strip for PASS N, STOP N and TRAFIK barriers	1	

LOCKS AND ACCESSORIES



110V



D



M



110OI

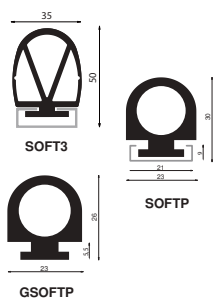
COD.	Art.			£
136006	110V	Vertical electric lock (without European cylinder) with ground selvage	1	
136043	T-V	Plate roof for vertical electric lock	1	
136005	D	Double European cylinder	1	
136004	M	Half European cylinder	1	
136044	110OI	Horizontal electric lock complete with double cylinder and horizontal selvage, adjustable, galvanized	1	
136042	T-O	Plate roof for horizontal electric lock (supplied with plate for horizontal selvage)	1	

LOCKS AND ACCESSORIES



COD.	Art.			£
665000	BLINDOS	Safety enclosure to place external unlocking device handle	1	

SAFETY DEVICES AND ACCESSORIES



COD.	Art.			£
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PASSIVE EDGES

667053	SOFT3	Safety black rubber profile (complete with aluminium base) useful to reduce the impact forces for sliding and swing gates (12m)	1	
667051	SOFTP	Black rubber and aluminium profile useful to reduce the impact forces for overhead doors (24m)	1	
321810	GSOFTP	Black rubber profile, EPDM S65 (24m)	1	

MECHANICAL SAFETY EDGES

171034	C-16	Mechanical edge L=1.6m	1	
171035	C-20	Mechanical edge L=2m	1	
171002	130	Mechanical edge L= 1.2 m for overhead door (supplied without side cups 134)	1	
171003	131	Mechanical edge L= 1.8 m for overhead door (supplied without side cups 134)	1	
667030	134	Cups for right and left side closing for edge 130/131 (10 pcs)	1	

RESISTIVE SAFETY EDGES (ACCORDING TO EN12978)*

PHASE OUT	171038	CR-16	Safety resistive edge L=1.6m	1	
	171039	CR-20	Safety resistive edge L=2m	1	
	171040	CR-25	Safety resistive edge L=2.5m	1	
	171031	121N	Safety resistive edge L=0.90m for IRONBOX	1	

*Safety resistive edges are EN12978 compliant, when paired to the 135/2 board

CONDUCTIVE SAFETY EDGES (ACCORDING TO EN12978)*

171043	CC-16	Conductive safety edge 8.2 KΩ L=1.6m	1	
171044	CC-20	Conductive safety edge 8.2 KΩ L=2m	1	
171045	CC-25	Conductive safety edge 8.2 KΩ L=2.5m	1	

*Safety resistive edges are EN12978 compliant, when paired to the 135/2 board



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)

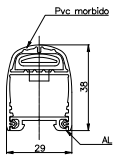
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SAFETY DEVICES AND ACCESSORIES

COD.	Art.		
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CONDUCTIVE SAFETY EDGES (ACCORDING TO EN12978)*

171047	CC-16LINK	Conductive safety edge 8.2 K Ω L=1.6m for series connection (resistor included)	1
171048	CC-20LINK	Conductive safety edge 8.2 K Ω L=2m for series connection (resistor included)	1
171049	CC-25LINK	Conductive safety edge 8.2 K Ω L=2.5m for series connection (resistor included)	1
171054	CC-16MINI	Conductive safety edge 8.2 K Ω L=1.6m h=38mm	1
171055	CC-20MINI	Conductive safety edge 8.2 K Ω L=2m h=38mm	1
171056	CC-25MINI	Conductive safety edge 8.2 K Ω L=2.5m h=38mm	1



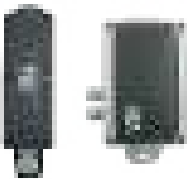
For MINI versions: LINK versions with cable available (for serial connection).
 *Safety resistive edges are EN12978 compliant, when paired to the 135/2 board

SAFETY DEVICES AND ACCESSORIES



COD.	Art.			£
301020	WARNING SIGN	Warning sign EN	1	
681034	SMFLED230/2	230V AC led traffic light: red-green lights	1	
681035	SMFLED24/2	24V DC led traffic light: red-green lights	1	

RADIO TRANSMISSION DEVICE



COD.	Art.			£
672920	D-BAND KIT	Transmitter and 868 MHz radio receiver for communication between resistive or mechanical safety edges and control board	1	
672901	D-BAND TX	Type CR2032 2x3V DC battery-powered transmitter (51xh103x36mm)	1	

OTHER SPECIFIC ACCESSORIES



COD.	Art.			£
619050	GREASE/G	Sliding operators grease.1 kg pack	1	
619051	GREASE/R	Grease for overhead door operator, swing gates and barriers.1 kg pack	1	
629150	600H	Hydraulic oil: 1 litre	1	

INTERCOM VIDEO PHONE SYSTEM




(optional)



(optional)



PHASE OUT

COD.	Art.			£
666040	KIT VIDEA 100	Set with (VIDEA-M) monitor, external unit (VIDEA-P) and power adapter. Note: 2-cable connection between units; maximum length 70 m, and two additional cables if the second auxiliary contact is used	1	
666041	KIT VIDEA 100 K	Set with (VIDEA-M) monitor, external unit with Digikey (VIDEA-D) and power adapter. Note: 4-cable connection between units; maximum length 70 m, and two additional cables the second auxiliary contact is used	1	
666050	KIT VIDEA-M	7" colour flat screen monitor + power adapter	1	
163518	KIT VIDEA-ALIM	Power adapter for art. VDEA-M (17-18VDC)	1	

Sectioned operators and demo gates



SECTIONED OPERATORS

Attention: before ordering this material, please check availability with your DEA representative

	COD.	Art.	£
	613605	GULLIVER/N SHOWROOM	Sectioned operator for showroom, not working
	611001	LIVI 6X SHOWROOM	Sectioned operator for showroom, not working
	616022	REV220 SHOWROOM	Sectioned operator for showroom, not working
	625499	STING/S SHOWROOM	Sectioned operator for showroom, not working
	628071	GEKO/X SHOWROOM	Sectioned operator for showroom, not working

DEMO GATES

Attention: before ordering this material, please check availability with your DEA representative

	COD.	Art.	£ NET PRICES
	691000	400/DIM	Sliding demo gate compatible with LIVI operator (operator and accessories not included)
	691060	G-L/DIM	Swing demo gate, 2 leaves, compatible with GHOST/LIVI 502/ GEKO operators (operator and accessories not included)
	691072	M-G/DIM	Swing demo gate, 2 leaves, compatible with MAC/GEKO operators (operator and accessories not included)
	691080	GEKO/DIM	Swing demo gate, 1 leaf, compatible with GEKO operator (operator and accessories not included)

GENERAL TERMS AND CONDITIONS OF SALE

1. CONTRACT

1.1 All the Orders must be sent by the Customer in writing to DEA GATE AUTOMATION indicating the Product code, Product and the quantity ordered as well as the Customer's tax number, address and any other details required by the anti-money laundering legislation.

The Customer's Order is considered as an irrevocable offer which expires after 30 (thirty) days.

The Contract for the sale of DEA GATE AUTOMATION Products will be taken to be binding once 8 (eight) days have passed from the date the Customer receives the Order Confirmation from DEA GATE AUTOMATION (even by fax or e-mail) unless correspondence is received from the Customer during that 8-day period. It is the Customer's responsibility to check the Order Confirmation and to promptly communicate any errors or omissions and to return these Terms and Conditions with the acceptance herein signed.

1.2 DEA GATE AUTOMATION will not be bound by any standard or printed terms furnished by a Customer in any of its documents unless DEA GATE AUTOMATION expressly accepts it in writing.

1.3 These terms and conditions supersede any terms and conditions referred to, offered or relied on whether written or verbal and whether in negotiation or at any stage in the dealings between the Parties.

2. DELIVERY/COLLECTION OF PRODUCTS

2.1 The terms of delivery are those indicated in the Order Confirmation and the Products will be despatched per those agreed terms. DEA GATE AUTOMATION does not assume any responsibility for delays in delivery by the carrier. The dispatch terms shall not be, in any case, a fundamental term of the Contract.

If DEA GATE AUTOMATION fails to deliver the Products, its liability shall be limited to the costs and expenses incurred by the Customer in obtaining replacement products of similar description and quality in the cheapest market available, less the Price of the Products.

2.2 In no case shall delays by DEA GATE AUTOMATION in the delivery of Products confer on the Customer the right to rescind the Contract and/or claim compensation. The Customer by accepting these Terms waives any right to make any claim and/or counterclaim howsoever arising in this regard.

2.3 Delays in delivery of the Product caused by a chance event, force majeure and/or any other reason beyond the control of DEA GATE AUTOMATION, shall not entitle the Customer to claim any indemnity and/or compensation nor shall it have the right to rescind the Contract or claim a reduction in the Price thereunder.

A non-exhaustive list of such causes are force majeure, strikes, lock-out, industrial disputes, fire, electricity cuts, lack of raw materials, delays in delivery by suppliers, changes in the Law, earthquakes or any other natural disaster, war or revolution or any other event outside the control of DEA GATE AUTOMATION.

2.4 In the event of delays by the Customer in collecting the Products from DEA GATE AUTOMATION, the Customer will be responsible for all warehousing costs whether at the premises of DEA GATE AUTOMATION or a third party and all security costs ancillary thereto, notwithstanding the fact that the risk of damage, deterioration, loss and/or theft passes to the Customer from the agreed dispatch date.

The Customer acknowledges that the location and type of warehousing and security in place at the premises of DEA GATE AUTOMATION is ideal for the safe storage of the Products and shall raise no queries or objections in that regard, except when the Customer proves DEA GATE AUTOMATION's fraud or gross negligence in the warehousing and/or security in place of the Products.

2.5 DEA SYTEM reserves the right in the event that Products are not collected to issue proceedings against the Customer to protect its rights under the Contract.

3. PRICES AND PRICE-LIST

3.1 All Prices are in GBP and do not include VAT, which the Customer shall additionally be liable to pay to DEA GATE AUTOMATION at the prevailing rate (subject to the receipt of a valid VAT invoice).

3.2 Any modifications or variations to the pricelist will be communicated to the Customer by DEA GATE AUTOMATION in writing and the new Prices will become effective for all transactions following such notification.

3.3 Unless otherwise agreed, Prices are (EX WORKS) INCOTERMS® 2010 at DEA GATE AUTOMATION Ltd, and include standard packaging.

3.4 If, after concluding the Contract pursuant to Article 1.1, by some extraordinary or unpredictable reason, the performance of the Contract becomes excessively onerous, DEA GATE AUTOMATION shall have the right to rescind the Contract and re-negotiate it with the Customer.

3.5 Without prejudice to the provisions of clause 3.4 GATE AUTOMATION may, by giving notice to the Customer up to 8 (eight) days before delivery, increase the Price of the Products to reflect any increase in the cost of the Products that is due to:

- a) any factor beyond the GATE AUTOMATION 's control (including foreign exchange fluctuations, increases in taxes and duties, and increases in labour, materials and other manufacturing costs);
- b) any request by the Customer to change the delivery date(s), quantities or types of Products ordered, or the specification; or
- c) any delay caused by any instructions of the Customer or failure of the Customer to give GATE AUTOMATION adequate or accurate information or instructions.

4. PAYMENTS

4.1 The terms and mode of payment are those indicated/referred in the Order Confirmation. Any subsequent request for a change and/or delay in such payments must be agreed in writing with DEA GATE AUTOMATION. Payments made by credit instrument, bank drafts, cheque, electronic transfer or any other means are accepted by DEA GATE AUTOMATION subject to clearance of such instruments, the time needed of clearance shall not be treated as an extension of the time for payment under the original Contract. Any Bank charges and/or other charges linked to the clearance of funds from the Customer shall be at the expense of the Customer.

4.2 Without limiting its other rights or remedies, DEA GATE AUTOMATION may terminate this Contract with immediate effect by giving written notice to the Customer if:

- a) the Customer commits a material breach of any term of the Contract and (if such a breach is remediable) fails to remedy that breach within 14 (fourteen) days of that party being notified in writing to do so;
- b) the Customer takes any step or action in connection with its entering administration, provisional liquidation or any composition or arrangement with its creditors (other than in relation to a solvent restructuring), being wound up (whether voluntarily or by order of the court, unless for the purpose of a solvent restructuring), having a receiver appointed to any of its assets or ceasing to carry on business [or, if the step or action is taken in another jurisdiction, in connection with any analogous procedure in the relevant jurisdiction];
- c) the Customer suspends, threatens to suspend, ceases or threatens to cease to carry on all or a substantial part of its business; or
- d) the Customer's financial position deteriorates to such an extent that in DEA GATE AUTOMATION 's opinion the Customer's capability to adequately fulfil its obligations under the Contract has been placed in jeopardy.

4.3 Without limiting its other rights or remedies, DEA GATE AUTOMATION may suspend provision of the Products under the Contract or any other contract between the Customer and the DEA GATE AUTOMATION if the Customer becomes subject to any of the events listed in clause 4.2(a) to clause 4.2(d), or DEA GATE AUTOMATION reasonably believes that the Customer is about to become subject to any of them, or if the Customer fails to pay any amount due under this Contract on the due date for payment.

4.4 Without limiting its other rights or remedies, DEA GATE AUTOMATION may terminate the Contract with immediate effect by giving written notice to the Customer if the Customer fails to pay any amount due under the Contract on the due date for payment and remains in default not less than 14 (fourteen) days after being notified in writing to make such payment.

4.5 On termination of the Contract for any reason the Customer shall immediately pay to DEA GATE AUTOMATION all of DEA GATE AUTOMATION 's outstanding unpaid invoices and interest.

4.6 Termination of the Contract shall not affect any of the parties' rights and remedies that have accrued as at termination, including the right to claim damages in respect of any breach of this Contract that existed at or before the date of termination.

4.7 Any provision of the Contract that expressly or by implication is intended to come into or continue in force on or after termination shall remain in full force and effect.

4.8 In of the events listed in clause 4.2(a) to clause 4.2(d), 4.3, 4.4 above, DEA GATE AUTOMATION reserves the right to modify at its sole discretion the dates and methods of payment previously agreed in the Order Confirmation.

4.9 In no case shall defects in the Product, even when expressly acknowledged by DEA GATE AUTOMATION, or delays in the agreed dispatch date, or delays in collection by the Customer, confer on the Customer the right to suspend payments and/or suspend any other obligations it may have under the Contract ("solve et repete" clause).

5. GOODS PROPERTY

5.1 Title to the Products shall not pass to the Customer until DEA GATE AUTOMATION receives payment in full (in cash or cleared funds) for the Products and any other Products that DEA GATE AUTOMATION has supplied to the Customer in respect of which payment has become due, in which case title to the Products shall pass at the time of payment of all such sums.

5.2 Until title to the Products has passed to the Customer, the Customer shall:

- a) store the Products separately from all other Products held by the Customer so that they remain readily identifiable as DEA GATE AUTOMATION 's property;
- b) not remove, deface or obscure any identifying mark or packaging on or relating to the Products;
- c) maintain the Products in satisfactory condition and keep them insured against all risks for their full Price from the date of delivery;
- d) notify DEA SYSTEM immediately if it becomes subject to any of the events listed in clause 4.2(a) to 4.2(d), and
- e) give to DEA GATE AUTOMATION such information relating to the Products as DEA GATE AUTOMATION may require from time to time.

5.3 Even if only one instalment is missed by the Customer, provided that said instalment is not inferior to 12,5% of the Price, DEA GATE AUTOMATION shall have the right to (i) terminate the Contract; (ii) require the Customer to deliver up the Product in its possession or, if the Customer fails to do so promptly, enter any premises of the Customer or of any third party where the Product is stored in order to recover it; (iii) retain any prior payments made for the Product by the Customer. All costs and expenses howsoever

arising incurred by DEA GATE AUTOMATION in recovering the Product from the Customer shall be at the Customer's expense. DEA GATE AUTOMATION further reserves its rights to initiate proceedings for compensation in such cases.

6. WARRANTY, CONTESTATIONS AND RETURNS

6.1 Since Products such as photocells, remote controls and other accessories undergo more wear and tear than other products, DEA GATE AUTOMATION warrants the absence of any vices and/or defects in the abovementioned Products for 27 (twenty-seven) months as from the manufacturing date, to be proved by a valid tax document carrying the data of the purchased Product and by the label pasted to each Product bearing the code and the manufacturing date.

On motors and control panels, DEA GATE AUTOMATION warrants the absence of any vices and/or defects for 36 (thirty-six) months, 24 (twenty-four) months for TEO 700 and WILL 140 E, as from the manufacturing date printed on the original label

DEA GATE AUTOMATION represents that the Products purchased under this Contract will only comply with their description in material respect and only fit for purposes held out by DEA GATE AUTOMATION. The Customer acknowledges that the purchase regulated by this Contract is not a sale by sample.

If the possible Customers' objections as to the existence of vices/defects in the Products are well-founded and accepted by DEA GATE AUTOMATION in the warranty period, DEA GATE AUTOMATION shall repair for free or, at its sole discretion, shall substitute the viced/defective Products for manufacturing defects. The warranty does not cover return/shipping costs to be incurred by the Customer for sending and receiving of materials repaired / replaced. It is agreed that the warranty here above is limited to the vices/defects of the Products expressly acknowledged and accepted by DEA GATE AUTOMATION, it being understood that any other injury, damage or expense of any nature incurred by the Customer is excluded.

All Products that are replaced will remain the property of DEA GATE AUTOMATION.

DEA GATE AUTOMATION will not take into account complaints about the quality of the Products, when the relevant Products have been sold as second-standard ones, or under special conditions, or when the relevant Products have been repaired by third parties without the prior consent of DEA GATE AUTOMATION.

Any claim or dispute arising from a single Product will not exempt the Customer from the obligation to collect the remaining amount of Products, in accordance with the agreed terms and conditions of delivery.

6.2 Under penalty of cancellation of the warranty, the Customer shall notify in writing, by Royal Mail Signed for 1st Class, the found vices/defects within and no later than 14 (fourteen) days as from the delivery date, or, in case of hidden vices/defects, within and no later than 14 (fourteen) days as from the date of the relevant discovery. The burden of the proof as to the date of the discovery shall be borne by the Customer.

Unless otherwise agreed in writing by the Parties, all other ancillary expenses related to the substitution operations shall be borne by the Customer, who shall also take assume any related risks.

6.3 The warranty shall be excluded if the vices and/or the defects communicated by the Customer have been determined by the following causes:

I. the Product has not been installed in accordance with the instruction manual provided by DEA GATE AUTOMATION; more precisely, without limitation of the foregoing, DEA GATE AUTOMATION shall not be liable in any manner whatsoever for failure to observe the assembly instructions and/or or the electrical connection instructions and/or for failure to observe other specific regulations applicable at the moment of the installation and/or when accessories and mechanical parts DEA SYSTEM have been installed, used or connected without respecting the intended circuit diagram and the intended types of connection;

II. the Product is not used in conformity with its intended purpose or its operating limits, as specified by the manufacturer in the technical documentation supplied with the Product itself;

III. non-original DEA SYSTEM parts have been used for the installation of the motor;

IV. failures are due to tampering or improper repairs carried out by unauthorized personnel and/or by professionally unqualified personnel;

V. failures are caused by improper use or negligent use;

VI. lack of routine maintenance as specified by the manufacturer in the technical documentation supplied with the Product itself;

VII. external factors such as electric shock, tampering even accidental, bumps and drops even accidental, exposure to moisture or steam, use in extreme thermal or environmental conditions, floods or other natural disasters;

VIII. removal or voluntary cancellation of the serial number.

IX. storage and/or safekeeping of the Products in places and/or with modalities inadequate for their perfect conservation;

X. any other cause which cannot be ascribed to DEA GATE AUTOMATION.

The repair or replacement of parts during the warranty period does not extend the expiry date of the guarantee. DEA GATE AUTOMATION will not award any compensation for the period of inactivity of the Product.

6.4 DEA GATE AUTOMATION shall accept, the return of defective Products it being understood that the Customer shall bear all expenses and shall be the sole person responsible for the delivery in DEA GATE AUTOMATION premises, and provided that DEA GATE AUTOMATION previously authorizes the same delivery by agreeing on the return method; in case of non-compliance, the returned Products will be rejected.

Returned Products shall carry the "DEA System feedback on returned Products" form properly filled in with item code, production date and a short description of each Product failure.

7. LIMITATION OF LIABILITY

7.1 In no circumstances shall DEA GATE AUTOMATION be liable in contract, tort (including negligence or breach of any statutory duty) or otherwise howsoever arising, and whatever the cause thereof for any damage attributed to the utilisation of the Product for a purpose inappropriate to its original purpose as set out in the instruction manual or other documentation accompanying the said Product or furnished to the Customer.

7.2 Without prejudice of Article 19, DEA GATE AUTOMATION draws the attention of the Customer to its obligation under the applicable Law and in particular the obligations it has under Health and Safety legislation and the Customer acknowledges that compliance with such legislation is a matter entirely for the Customer and DEA GATE AUTOMATION shall not have any responsibility in relation thereto nor shall it be liable in any way for any damage caused to anyone or anything during the installation or maintenance of the Product by the Customer or any third party.

7.3 Nothing in these Conditions shall limit or exclude DEA GATE AUTOMATION's liability for:

a) death or personal injury caused by its negligence, or the negligence of its employees, agents or subcontractors (as applicable);

b) fraud or fraudulent misrepresentation;

c) defective products under the consumer protection legislation; or

e) any matter in respect of which it would be unlawful for DEA GATE AUTOMATION to exclude or restrict liability.

7.4 Subject to clauses 7.1, 7.2 and 7.3:

a) DEA GATE AUTOMATION shall under no circumstances whatsoever be liable to the Customer, whether in contract, tort (including negligence), breach of statutory duty, or otherwise, for any loss of profit, or any indirect or consequential loss arising under or in connection with the Contract; and

b) DEA GATE AUTOMATION's total liability to the Customer in respect of all other losses arising under or in connection with the Contract, whether in contract, tort (including negligence), breach of statutory duty, or otherwise, shall in no circumstances exceed 30% (thirty percent) of the Price of the Products.

8. PROHIBITION TO TRANSFER TO THIRD PARTIES

8.1 Unless otherwise agreed The Customer does not have the right to resell and/or transfer the Product to third parties without first having paid the entire sum due to DEA GATE AUTOMATION.

8.2 In the event of the Customer receiving any letter of claim, court proceedings or letter of complaint from a third party in reference to a DEA GATE AUTOMATION Product, the Customer must, within 14 days of receipt thereof, furnish DEA GATE AUTOMATION by registered post with a copy of such correspondence and/or proceedings. In default of such communication DEA GATE AUTOMATION reserves the right to rescind the Contract with immediate effect retaining any instalments paid by the Customer by way of penalty and reserving its rights under the Contract and the applicable Law to institute proceedings for further compensation and/or damages arising therefrom.

9. TRADEMARK AND INTELLECTUAL PROPERTY RIGHTS

9.1 The marketed Products bear the registered trademark DEA SYSTEM®. DEA GATE AUTOMATION expressly prohibits the Customer to use/exploit/market the trademark for purposes other than this contract, except when previously authorized in writing. For the same reason, DEA GATE AUTOMATION reserves the right to inhibit the use of the trademark in case of violation of this prohibition and/or in case of lacking payment of the Price by the Customer, and in any other case in which the Customer's use is illegal, both in off-line and/or on-line modalities.

9.2 DEA GATE AUTOMATION is the proprietor of all the technical and operational information, as well as of any information relating to the Product, which is intended to be used only for the execution of this contract. For this reason, DEA GATE AUTOMATION prohibits the relevant dissemination to third parties.

9.3 The Customer who has become aware of any counterfeiting, imitation, illegal/wrong use of the trademark and/or of the commercial names shall immediately communicate it to DEA GATE AUTOMATION.

10. TAXES AND DUTIES

Any taxes, tariffs, duties, customs, fees, tolls, licenses, authorizations, leaves and/or other fiscal and/or customs and/or administrative burdens, notwithstanding their names, provided for by the law of the State in which the Products are imported and/or by the law of the State in which the Products will be resold, are completely and exclusively borne by the Customer, without prejudice to the provisions of the agreed term.

11. RE-SALE OF THE PRODUCT

11.1 DEA GATE AUTOMATION suggests that the Customer uses the recommended retail price contained in the DEA GATE AUTOMATION price list. However, it is entirely a matter for the Customer to fix its own price list.

11.2 In cases where the Customer is not installing the Product itself but assigning this responsibility to a third party, it is a matter entirely for the Customer to satisfy itself that said third party has the requisite professional qualification and experience to install the Product properly. If the Customer fails in this responsibility, DEA GATE AUTOMATION shall not be responsible for any claim howsoever arising either from the Customer or a third party.

12. EXTRA

Any extras subsequently ordered will form part of the Contract and be subject to these terms and conditions. The modalities of dispatch of extras shall be as agreed in writing between DEA GATE AUTOMATION and the Customer.

13. NO ASSIGNMENT OF CONTRACT

This Contract shall not be assigned by the Customer in whole or in part without the prior written consent of DEA GATE AUTOMATION. DEA GATE AUTOMATION reserves the right to assign this Contract in whole or in part on prior notification to the Customer.

14. LANGUAGE

These terms and conditions are in the Italian language. In the event of same being translated into another language, the translation is for indicative purposes only and shall have no legal effect.

15. WAIVER

In any instance in which DEA GATE AUTOMATION either does not enforce or does not insist on strict compliance with one or more clauses of these terms and conditions, or of the Contract, this shall not be taken as a general waiver of said clause or said rights and shall not inhibit DEA GATE AUTOMATION subsequently relying on the punctual and strict compliance therewith.

16. SEVERIBILITY

16.1 If any provision or part-provision of this agreement is or becomes invalid, illegal or unenforceable, it shall be deemed modified to the minimum extent necessary to make it valid, legal and enforceable. If such modification is not possible, the relevant provision or part-provision shall be deemed deleted. Any modification to or deletion of a provision or part-provision under this clause shall not affect the validity and enforceability of the rest of this agreement.

16.2 If any provision or part-provision of this agreement is invalid, illegal or unenforceable, the parties shall negotiate in good faith to amend such provision so that, as amended, it is legal, valid and enforceable, and, to the greatest extent possible, achieves the intended commercial result of the original provision.

17. EXCLUSIVE JURISDICTION

For any dispute related to the interpretation, execution and/or termination of the Contract the sole competent court shall be exclusively the Court of Vicenza (Italy). Notwithstanding the above, DEA GATE AUTOMATION shall have the right to start any legal proceedings, included preventive or provisional proceedings, before the Court of the place where the Customer has its domicile pursuant to Article 63 of the EU Regulation No 1215/2012 of 12 December 2012 on jurisdiction and the recognition and enforcement of judgments in civil and commercial matters and subsequent amendments.

18. APPLICABLE LAW

The Italian law is applicable to the present Contract, it being understood that the application of the United Nations Convention on the International Sale of Products (Vienna Convention 11th April 1980) is in any case excluded.

19. QUALITY SYSTEM – TECHNICAL RULES

19.1 The Customer is aware that the Products marketed by DEA GATE AUTOMATION consist in mechanical/electronic products and their accessories and that the relevant manufacturing, marketing, installation and maintenance are ruled by specific provisions; therefore, their distribution and installation requires the assistance of qualified and expert professionals, who can provide to the final customer a complete set of information on the technical and operational features of the Products, their correct installation and safety measures (in particular, reference is made to the provisions BS 12453 "Industrial Commercial and garage doors and gates - product standard" and BS 12445 "Industrial Commercial and garage doors and gates – safety in use of power operated doors", and to the European directives as well). The Customer is aware that all automatic locking devices fall within the scope of application of the "Machinery" Directive, with any corresponding obligations for resellers and installers and with the obligation to keep the technical documentation file of the Product, to carry out the maintenance and with reference to the EC declaration of conformity.

19.2 As a consequence of the provision under Article 19.1 above, the Customer must be a qualified seller/installer of the Products and he or she must therefore:

- a)** have a past experience of at least 1 (one) year in the sale and/or installation of products similar to the Products of DEA GATE AUTOMATION;
- b)** provide to the final customer a consultancy service in order to guide the choice towards the most adequate Product, taking into consideration the intended use of the Product itself, in order to reduce the risk of an improper use;
- c)** be able to provide the final customer with the most accurate and complete information about the Products – included the provisions regulating the installation – in relation to the questions raised by the final customer.

It is expressly understood that, in the light of the above and in order to ensure the safety of the final users/customers with respect to the Products of DEA GATE AUTOMATION, the Customer is authorized to sell the Products to the following categories:

- to any professional buyer, distributor and/or installer, provided that said professional has already been selected also by DEA GATE AUTOMATION or provided that DEA GATE AUTOMATION has previously given its consent;
- to any final customer, provided that it has been previously and duly verified that the installation of the DEA GATE AUTOMATION Products is carried out by a professional installer.

Acceptance. The Customer hereby declares to have carefully read the above General Terms and Conditions of Sale, and to expressly approve them all, without any exception whatsoever.

(Place and Date) _____

The Customer _____
(signature and stamp)

Unconscionable Clauses. In particular, pursuant to Articles 1341 and 1342 of the Italian Civil Code, the Customer declares to have carefully read and to expressly approve each of the following unconscionable clauses: art. 1.1 (8 days after the date on the Order Confirmation, the Order Confirmation cannot be modified - irrevocable offer made by the Customer); art. 2.1 (limitation of DEA GATE AUTOMATION's liability in case of delays in the delivery of the Products due to the carrier; limitation of DEA GATE AUTOMATION's liability in case of failure of delivery); art. 2.2 (limitation of the Customer's right to make any claim and/or counterclaim); art. 2.3 (limitation of DEA GATE AUTOMATION's liability in case of delays in the delivery of the Products determined by a chance event and/or force majeure – limitation of the Customer's right to make any claim and/or counterclaim); art. 2.4 (storage of the Products in case of delay by the Customer in the Products' collecting and assumption of related risks; limitation of the Customer's right to make any claim and/or counterclaim); art. 2.5 (non-collection of the Products by the Customer); art. 3.2 (DEA GATE AUTOMATION's right to modify the Prices); art. 3.4 (excessively onerous performance and DEA GATE AUTOMATION's termination right); art. 3.5 (DEA GATE AUTOMATION's right to increase the Price to reflect any increase in the cost of the Products); art. 4.2 (DEA GATE AUTOMATION's termination right); art. 4.3 (DEA GATE AUTOMATION's right to suspend the performance of the agreement); art. 4.4 (DEA GATE AUTOMATION's termination right) – art. 4.8 (DEA GATE AUTOMATION's right to modify the terms and conditions of payment indicated in the Order Confirmation); art. 4.9 ("solve et repete" clause); art. 5.1 (passing of title); art. 5.2 (obligations of the Customer until title has passed to the Customer); art. 5.3 (DEA GATE AUTOMATION's rights in case Customer fails to pay an instalment not inferior to 12,5% of the Price); art. 6.1 (limitation of DEA GATE AUTOMATION's liability – Customer acknowledges that the purchase is not a sale by sample); art. 6.2 (cancellation of the warranty); art. 6.3 (limitation of DEA GATE AUTOMATION's liability); art. 6.4 (returned Products); art. 7.1 (limitation of DEA GATE AUTOMATION's liability); art. 7.2 (limitation of DEA GATE AUTOMATION's liability); art. 7.4 (limitation of DEA GATE AUTOMATION's liability); art. 8.1 (prohibition to transfer to third parties); art. 8.2 (DEA GATE AUTOMATION's termination right and DEA GATE AUTOMATION's right to retain the installments already paid); art. 9.1 (prohibition to use the trademark); art. 11.2 (limitation of DEA GATE AUTOMATION's liability); art. 13 (prohibition for the Customer as to the assignment of the contract); art. 17 (exclusive court and DEA GATE AUTOMATION's right to start a legal proceedings before the Court of the Customer's domicile); art. 18 (applicable law is the Italian law) art. 19.1 (technical rules); art. 19.2 (quality system).

(Place and Date) _____

The Customer _____
(signature and stamp)

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