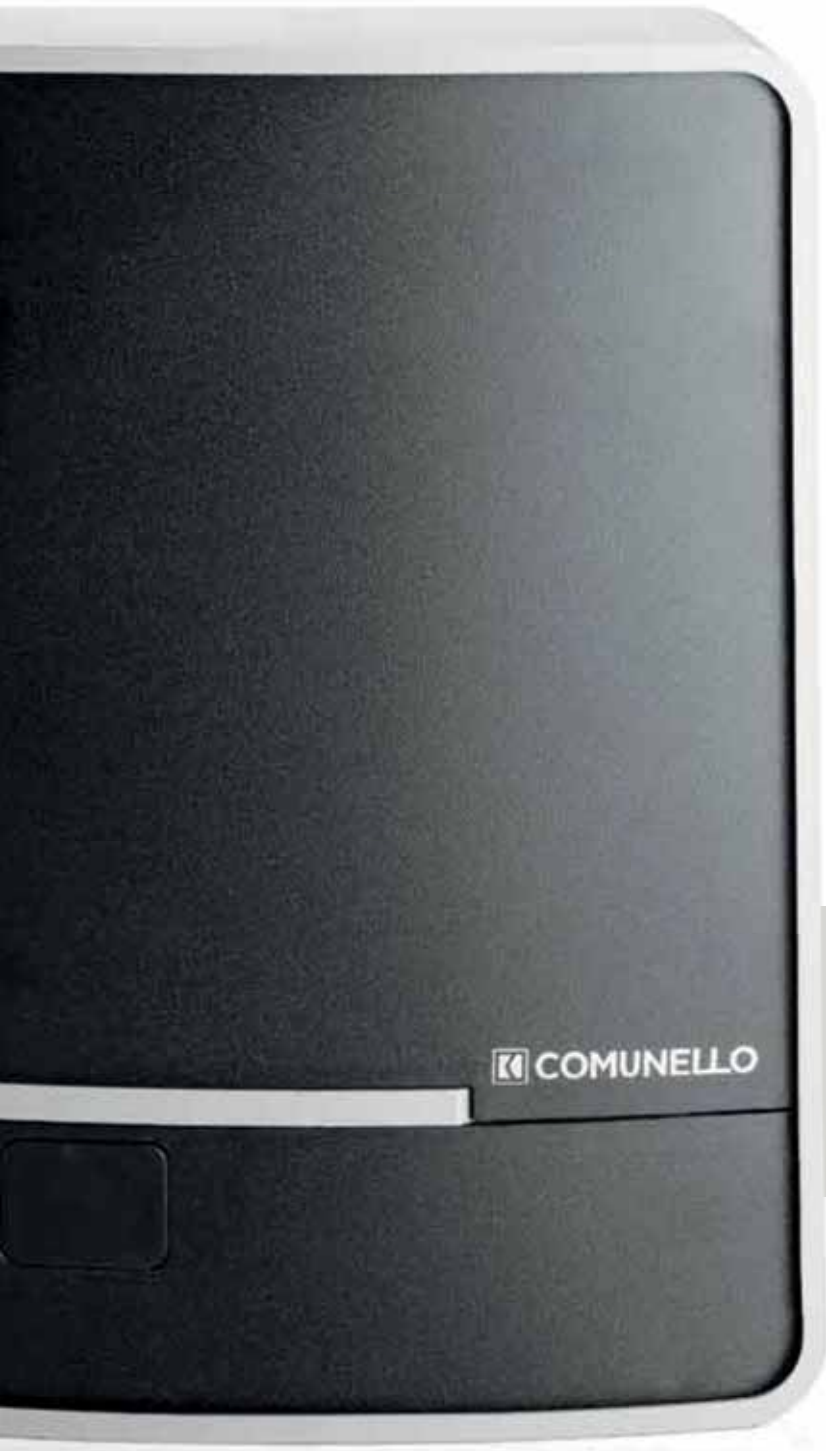
COMUNELLO
AUTOMATION



Life made easy

AUTOMATION
FOR GATES, DOORS
AND BARRIERS

GENERAL CATALOGUE

COMUNELLO

Life made easy

EUROPEAN STANDARDS EN 12453 - EN 12445

Comunello Group is at your side:

1. To inform:

a. What are the current regulations?

EN 12453 and EN 12445 standards specifes compliance and safety requirements for automated locking that may come into contact with people, allowing you to define all the technical solutions necessary for the safety of the user.

b. What are the contexts required by European standards?

Type of control		Hold to run	Impulse located in sight of gate	Impulse not located in sight of gate (radio control)	Automatic (Impulse)
Exemples		switch or key operated switch	switch or key operated switch	Radio control unit	Operating cycle
Conditions of use	no public present TRAINED User	**A**	**C**	**C**	**C + D**
	no public present UNTRAINED User	**C**	**C**	**C + D**	**C + D**
	public may be present TRAINED User	**B**	**C**	**C + D**	**C + D**
	public may be present UNTRAINED User	**-**	**C + D**	**C + D**	**C + D**

c. What are the required safety devices?

A Operator Presence (continuous pressure required).

B Operator Presence (continuous pressure not required).

C Mechanical (sensitive edges) and electronic devices. You need to check whether the maximum impact forces are in line with the values required by the standards.

D Photocells, to allow detection of the presence of an obstacle in the automation operational area.

2. To offer “turnkey solution” :

a. COMUNELLO certifies the products are in compliance with the standards.

When a gate, a door or other type of opening is automated, it becomes a a machinery which may involve risks. These are of different types:

1- Crushing

2- Shearing

3- Lifting (in case of barrier with a vertical movement)

4- Conveying

b. provides complete solution in order to certify the installation.

the wide range of automation for slide and swing gates, barriers and garage doors has been developed and produced conforming to the security European Norms. Such automations allow the installer to certify his installation. For further details please contact our tech support.

technical_assistance@comunello.it

COMUNELLO
AUTOMATION

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Made in Italy
Made in Comunello

A company with 50 years of manufacturing
experience, a clear international vision based on
the quality of our design,
our groundbreaking technology,
the solidity of our production,
and our commitment to technical service
and customer care.

Automation for now and for the future.

COMUNELLO

The strength of a solid industrial group

The Comunello Group of companies is built on a solid, reliable, well-structured manufacturing base. The Group comprises 4 Divisions with all products from each Division 100% designed and manufactured at the company premises in Italy. This total control over manufacturing processes guarantees the highest levels of quality. Comunello was founded in 1965 and today exports to more than 105 countries worldwide.

COMUNELLO
GATE DIVISION

COMUNELLO
AUTOMATION

COMUNELLO
FRAME DIVISION

COMUNELLO
FRAME AUTOMATION

COMUNELLO
AUTOMATION

Your most precise tool.

GATE AUTOMATION WILL NEVER BE THE SAME AGAIN

Comunello has created, for the first time ever, the most revolutionary development in Gate Automation - ONE Technology.

Installation and management made incredibly Simple, incredibly professional. From wiring to set-up to multi use management - clarity, precision and control with the touch of a screen.

ONE TECHNOLOGY

COMUNELLO AUTOMATION

1 Easy accessory installation

Any accessory can be connected to any terminal

All accessories have an extremely easy 2 input bus connection and can be connected to the bus connection area terminals in any position. The intelligent One control board can identify all peripheral accessories.

After the intelligent connection, standard set-up can be achieved with the touch of a button.

2 K-ONE

Through the use of the wi-fi transmitter K-One, you can manage all motor and accessory settings using the app Comunello One on tablet or smartphone.

- High-speed bidirectional radio transmitter 2.5 GHz
- Communication based on proprietary protocol
- 20 m range in open air
- Dedicated power supply from the control board

ONE TECHNOLOGY

COMUNELLO AUTOMATION

3 INCREDIBLY **SIMPLE,** INCREDIBLY **PROFESSIONAL**

Select the type of gate being installed.

Auto-set provides a rapid and complete set-up.

Rapid selection of motor direction/open-close setting.

3D visualization with touch screen control of the complete project with accessories visualized.

In **Pro-settings** all parameters can be fine tuned for every aspect of the set-up

In **Pro-settings** the installer has complete management of up to 400 remote control codes.

Pro-setting allows for a fully articulated and detailed set-up. Incredibly easy, intuitive and rapid.

APP
COMUNELLO ONE

COMUNELLO
AUTOMATION

Visual efficiency

An innovative advanced remote control transmitter crafted from prestigious materials with minimalist styling for unparalleled elegance. The VICTOR 50 comes in a matt black finish and sports a genuine metal profile giving it a luxurious, refined look.

Colour is freedom. We have created VICTOR in a range of strong, powerful colours. the five stunning variations are: woodland green, saffron yellow, ocean blue, velvet red and slate grey.

The SWIFT LED signal light with integrated antenna follows the Comunello design philosophy. It is clean, elegant and timeless and is at home with any architectural style.

COMUNELLO
AUTOMATION

Comunello: Design made to resist

Since 1965 every product is 100% made in Italy at Comunello Group premises. Because the company has always used certified control systems and materials of the highest quality for outstanding reliability and cast-iron guarantees.

Mechanical excellence
Electrical simplicity

Precisely what you would expect.

With our reputation for mechanical excellence and passion for movement, the Automation Project is a natural expression of our company Vision. As a result we offer products at a level of quality that's precisely what our clients would expect, and deserve. In keeping with the company philosophy for making life easy, all control electronics have been designed to be as clear to use as possible. Because we've spent more time in the design phase, you'll spend less time for installation. All connections are clearly shown on the electronic control unit to facilitate a rapid and efficient set up.

COMUNELLO
AUTOMATION

COMUNELLO
AUTOMATION

24V

230V

Two voltages, one series of commands

The HP electronic control unit provides a vast range of programming options making it ideal for use with even the most advanced home automation systems. Comunello has two types of unit at 24V and 230V. To make life easy the first series of commands is the same for both units, with set up based on a simple, intuitive program select system using LEDs. And once the first unit has been programmed, simply copy it across to the other. Life Made Easy!

- **Easy-to-use multi-level menu with clear LED guide for simple set up**
  All features are set up using the easy-to-use multi-level menu accessed by just two buttons on the control panel. A simple LED system provides clear information on the status (on/off) of each feature.
- **Motor direction set up**
  The control panel is equipped with microswitches for rapid set up of motor delay and direction requiring no rewiring of either the motor or the end stop.
- **24V & 230V warning / working light output**
  Both low 24V and high 230V voltage warning / working lights can be connected to the unit (for CU-230V-HP only).
- Double protection with fuse
- Direct adjustment of Speed (24V), Slow down, Sensitivity and Power (24V)
- Auxiliary radio control channel
- Direct lock control output
- Photo-test for the photocell sensors
- Opto-isolated inputs
- Removable radio unit
- Back-up battery input (24V)
- Soft-Start & Soft-Stop
- Manual set up of movement
- Radio-controlled lock
- Simplified movement or schedule set up
- Encoder input
- Removable connectors and simplified layout
- Condominium function
- Gate status light output
- 8k2 security input

- **Control panel protective covering with printed instructions**
  The electronic control panel has a protective cover which includes clear labelling of the terminals and instructions for the main menu features. This helps reduce set up times as all key information is always available.
- **Motor brake**
  A motor brake is fitted which may be deactivated for the CU-230V-HP version.
- **Automated travel programming**
  One-button programming of the gate movement.

COMUNELLO
AUTOMATION

1 Swing gates

EAGLE 38

ABACUS 220 / 300 / 500 46
ABACUS 220 48
ABACUS 300 54
ABACUS 500 60

CONDOR 220 / 350 66
CONDOR 220 68
CONDOR 350 74

CONDOR 500 80

RAM 88
RAM 220 / 300 90
RAM 500 92

COMUNELLO
AUTOMATION

Swing gates

Selection guide

ONE 24 VDC 230 VAC

COMUNELLO
AUTOMATION

CONDOR	CONDOR 220 24V ONE CONDOR 220 24V FM CONDOR 220 24V FE CONDOR 220 24V FE E CONDOR 220 24V FM SC CONDOR 220 230V FM CONDOR 220 230V FE CONDOR 220 230V FE E CONDOR 220 230V FM SC	max leaf length 2,2 m max leaf weight150 kg	max leaf weight 250 kg max leaf length 1 m
RAM	RAM 220 24V		
ABACUS	ABACUS 220 24V ONE ABACUS 220 24V FM ABACUS 220 24V FE ABACUS 220 24V FE E ABACUS 220 230V FM ABACUS 220 230V FM E	max leaf length 2,2 m max leaf weight200 kg	max leaf weight 300 kg max leaf length 1,2 m
ABACUS	ABACUS 300 24V ONE ABACUS 300 24V FM ABACUS 300 24V FE ABACUS 300 230V FM ABACUS 300 230V FE ABACUS 300 230V FM E	max leaf length 3 m max leaf weight300 kg	max leaf weight 500 kg max leaf length 1,5 m
RAM	RAM 300 24V RAM 300 230V		
CONDOR	CONDOR 350 24V ONE CONDOR 350 24V FE E	max leaf length 3,5 m max leaf weight225 kg	max leaf weight 350 kg max leaf length 1,5 m
EAGLE	EAGLE 24V EAGLE 24V EC EAGLE 230V EAGLE 230V EC	max leaf length 3,5 m max leaf weight350 kg	max leaf weight 600 kg max leaf length 2 m
CONDOR	CONDOR 500 24V ONE CONDOR 500 24V FE CONDOR 500 230V FE	max leaf length 5 m max leaf weight400 kg	max leaf weight 500 kg max leaf length 3,25 m
ABACUS	ABACUS 500 24V ONE ABACUS 500 24V FE E ABACUS 500 230V FE ABACUS 500 230V FM E	max leaf length 5 m max leaf weight220 kg	max leaf weight 500 kg max leaf length 2 m
RAM	RAM 500 24V RAM 500 230V		

Dimensions refer to a single leaf

EAGLE

For swing gate **max leaf length up to 3,5 m** (max leaf weight: **350 kg**)
For leaf weight of **600 kg,** max leaf le**ngth is 2 m**

EAGLE

- EE BOX B
  - BOX Black cataphoresis
  - BOX s/steel
  - EE BOX INOX
- 24 VDC
  - Underground gate — P. 38 — EAGLE ONE — P. 42 — KIT EAGLE ONE
  - Underground gate — P. 40 — EAGLE 24V — P. 43 — KIT EAGLE 24V
  - Underground gate with encoder — P. 40 — EAGLE 24V EC
- 230 VAC
  - Underground gate — P. 40 — EAGLE 230V — P. 43 — KIT EAGLE 230V
  - Underground gate with encoder — P. 40 — EAGLE 230V EC

ABACUS

For swing gate **max leaf length up to 2,2 m** (max leaf weight: **200 kg**)
For leaf weight of **300 kg, max leaf length is 1,2 m**

ABACUS 220

- 24 VDC
  - Mechanical stops with encoder — P. 48 — ABACUS 220 ONE — P. 52 — KIT ABACUS 220 ONE
  - Mechanical stops — P. 50 — ABACUS 220 24V FM — P. 53 — KIT ABACUS 220 24V
  - Electronic stops — P. 50 — ABACUS 220 24V FE
  - Electronic stops with encoder — P. 50 — ABACUS 220 24V FE E
- 230 VAC
  - Mechanical stops — P. 50 — ABACUS 220 230V FM — P. 53 — KIT ABACUS 220 230V
  - Mechanical stops with encoder — P. 50 — ABACUS 220 230V FM E

For swing gate **max leaf length up to 3 m** (max leaf weight: **300 kg**)
For leaf weight of **500 kg, max leaf length is 1,5 m**

ABACUS 300

- 24 VDC
  - Mechanical stops with encoder — P. 54 — ABACUS 300 ONE — P. 58 — KIT ABACUS 300 ONE
  - Mechanical stops — P. 56 — ABACUS 300 24V FM — P. 59 — KIT ABACUS 300 24V
  - Electronic stops — P. 56 — ABACUS 300 24V FE
- 230 VAC
  - Mechanical stops — P. 56 — ABACUS 300 230V FM — P. 59 — KIT ABACUS 300 230V
  - Electronic stops — P. 56 — ABACUS 300 230V FE
  - Mechanical stops with encoder — P. 56 — ABACUS 300 230V FM E

For swing gate **max leaf length up to 5 m** (max leaf weight: **220 kg**)
For leaf weight of **500 kg, max leaf length is 2 m**

ABACUS 500

- 24 VDC
  - Mechanical stops with encoder — P. 60 — ABACUS 500 ONE — P. 64 — KIT ABACUS 500 ONE
  - Electronic stops with encoder — P. 62 — ABACUS 500 24V FE E — P. 65 — KIT ABACUS 500 24V
- 230 VAC
  - Electronic stops — P. 62 — ABACUS 500 230V FE — P. 65 — KIT ABACUS 500 230V
  - Mechanical stops with encoder — P. 62 — ABACUS 500 230V FM E

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Selection guide

CONDOR

For swing gate **max leaf length up to 2,20 m** (max leaf weight: **150 kg**)
For leaf weight of **250 kg, max leaf length is 1 m** — **CONDOR 220**

- 24 VDC
  - Mechanical stops with encoder — P. 68 — CONDOR 220 ONE — P. 72 — KIT CONDOR 220 ONE
  - Mechanical stops — P. 70 — CONDOR 220 24V FM — P. 73 — KIT CONDOR 220 24V
  - Electronic stops — P. 70 — CONDOR 220 24V FE
  - Electronic stops with encoder — P. 70 — CONDOR 220 24V FE E
  - Mechanical stops without board — P. 70 — CONDOR 220 24V FM SC
- 230 VAC
  - Mechanical stops — P. 70 — CONDOR 220 230V FM
  - Electronic stops — P. 70 — CONDOR 220 230V FE — P. 73 — KIT CONDOR 220 230V
  - Electronic stops with encoder — P. 70 — CONDOR 220 230V FE E
  - Mechanical stops without board — P. 70 — CONDOR 220 230V FM SC

For swing gate **max leaf length up to 3,5 m** (max leaf weight: **225 kg**)
For leaf weight of **350 kg, max leaf length is 1,5 m** — **CONDOR 350**

- 24 VDC
  - Electronic stops with encoder — P. 74 — CONDOR 350 ONE — P. 78 — KIT CONDOR 350 ONE
  - Electronic stops with encoder — P. 76 — CONDOR 350 24V FE E — P. 79 — KIT CONDOR 350 24V

For swing gate **max leaf length up to 5 m** (max leaf weight: **400 kg**)
For leaf weight of **500 kg, max leaf length is 3,5 m** — **CONDOR 500**

- 24 VDC
  - Mechanical stops with encoder — P. 82 — CONDOR 500 ONE — P. 86 — KIT CONDOR 500 ONE
  - Electronic stops — P. 84 — CONDOR 500 24V FE — P. 87 — KIT CONDOR 500 24V
- 230 VAC
  - Electronic stops — P. 84 — CONDOR 500 230V FE — P. 87 — KIT CONDOR 500 230V

RAM

For swing gate **max leaf length up to 2,2 m** (max leaf weight: **150 kg**)
For leaf weight of **250 kg, max leaf length is 1 m** — **RAM 220**

- 24 VDC — P. 90 — RAM 220 24V — P. 94 — KIT RAM 220 24V

For swing gate **max leaf length up to 3 m** (max leaf weight: **300 kg**)
For leaf weight of **500 kg, max leaf length is 1,5 m** — **RAM 300**

- 24 VDC — P. 90 — RAM 300 24V — P. 94 — KIT RAM 300 24V
- 230 VAC — P. 90 — RAM 300 230V — P. 94 — KIT RAM 300 230V

For swing gate **max leaf length up to 5 m** (max leaf weight: **220 kg**)
For leaf weight of **500 kg, max leaf length is 2 m** — **RAM 500**

- 24 VDC — P. 92 — RAM 500 24V — P. 95 — KIT RAM 500 24V
- 230 VAC — P. 92 — RAM 500 230V — P. 95 — KIT RAM 500 230V

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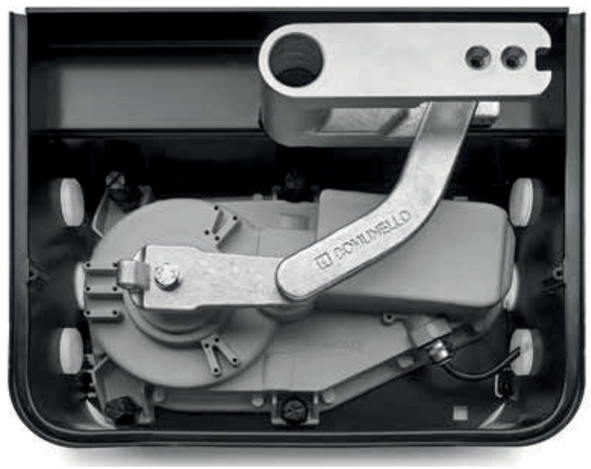
EAGLE

Underground electromechanical actuator for leaf up to 3,5 m (350 kg) / 600 kg for leaf up to 2 m in length

Underground electromechanical actuator

Eagle is a line of in-ground actuators designed to provide a solution for projects and architectural designs which require completely clean lines. These actuators are extremely corrosion resistant, discrete and compact. Absolute security and reliability is guaranteed across the three models with lever or key release systems available internally and externally. Eagle actuators are practical and rapid to install, simple and intuitive to use. Optional versions with encoder are also available.

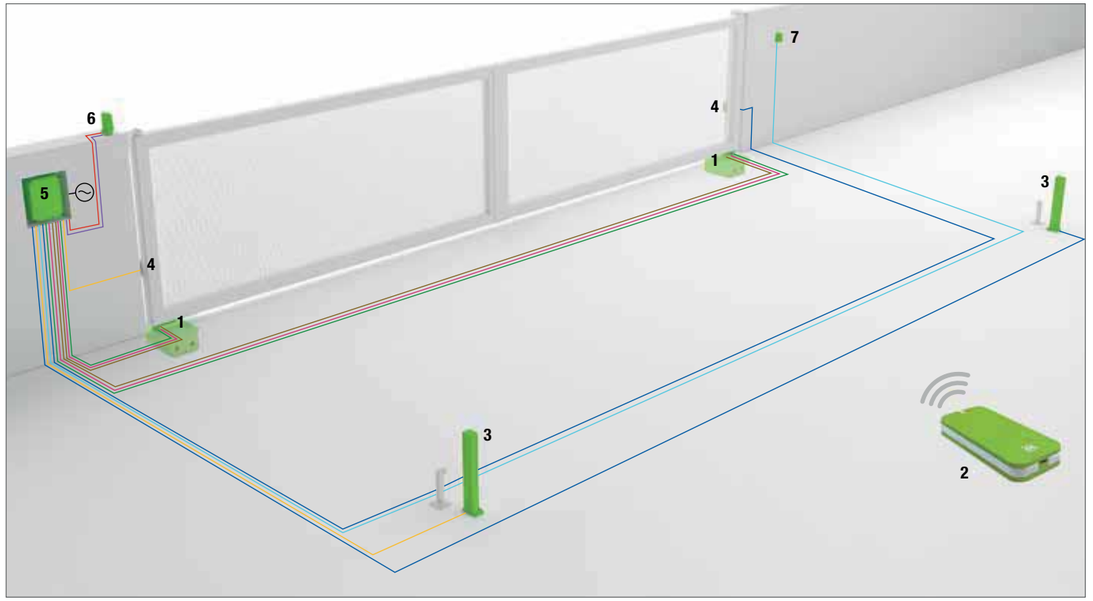


GENERAL INFORMATION

- VDC and 230 VAC versions.
  Irreversible motors, 24 VDC & 230 VAC
- Durable and compact
  Steel arms and casings, stainless steel versions are available. Transmission with metal gearings
- Optional versions with encoder
- *Safety and reliability*
  3 models of lever and or key-release mechanisms available (internal and external)
- Easy to use

24 VDC 230 VAC

INSTALLATION TYPE



1	EAGLE
2	CONTROL RADIO
3	COLUMNS
4	PHOTOCELLS
5	CONTROL UNIT
6	SIGNAL LIGHT
7	SWITCH

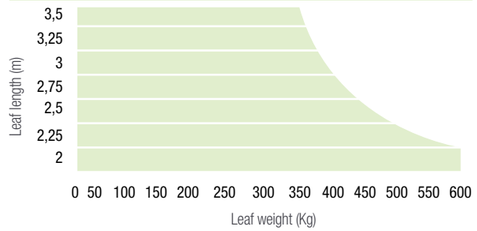
24V	Description	Wire	Length (1 m to 20 m)	Length (20 m to 50 m)
	Operating power supply	FROR CEI 20-22 CEI EN 50267-2-1	2 x 1,5 mm²	2 x 2,5 mm²
	Motor power supply		2 x 2,5 mm²	2 x 4,0 mm²
	Signal light		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell TX		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell RX		4 x 0,5 mm²	4 x 1,0 mm²
	Key-operated switch		3 x 0,5 mm²	3 x 1,0 mm²
	Limit switch		3 x 0,5 mm²	3 x 1,0 mm²
	Encoder		3 x 0,5 mm²	3 x 1,0 mm²
	Antenna	RG58	max 20 m	max 20 m

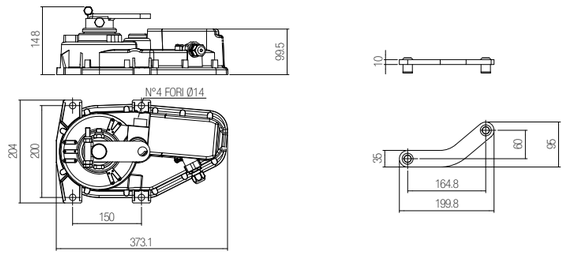
230V	Description	Wire	Length (1 m to 20 m)	Length (20 m to 50 m)
	Operating power supply	FROR CEI 20-22 CEI EN 50267-2-1	3G x 1,5 mm²	3G x 2,5 mm²
	Motor power supply		4G x 1,5 mm²	4G x 2,5 mm²
	Signal light		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell TX		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell RX		4 x 0,5 mm²	4 x 1,0 mm²
	Key-operated switch		3 x 0,5 mm²	3 x 1,0 mm²
	Limit switch		3 x 0,5 mm²	3 x 1,0 mm²
	Encoder		3 x 0,5 mm²	3 x 1,0 mm²
	Antenna	RG58	max 20 m	max 20 m

EAGLE ONE

Underground electromechanical actuator for leaf up to 3,5 m (350 kg)per leaf / 600 kg for leaf up to 2 m in length

OPERATING LIMITS

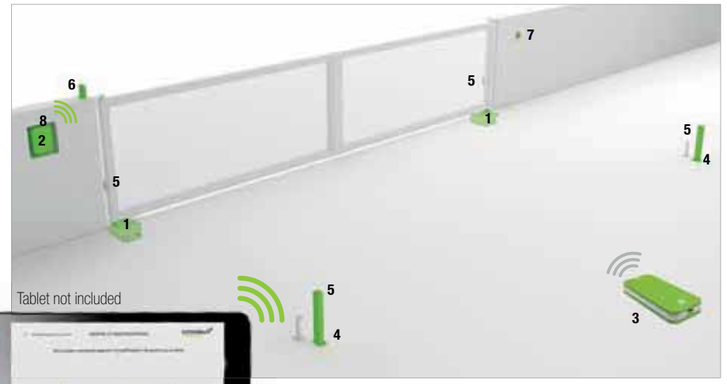




Accessories included

ONE TECHNOLOGY

ARTICLE	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
EAGLE ONE	G1E0350EL0G00	24V Underground actuator	1 pcs.	15 kg	60



Tablet not included

INSTALLATION CHART

1	**2 EAGLE 24V ONE** - G1E0350EL0G00 24V Underground actuator
2	**1 QUAD 2M ONE** - G1QUAD2ML0G00 2 Motors control unit 24V Basic
3	**1 KEEP 2 RC** - GKEEP2STN0B00 2 Channels rolling code Remote control
4	**2 MAST 50** - GMAST005N0G00 Extruded aluminium column h 50 cm
5	**2 DART ONE** - G1DARTSTN0B00 Photocells DART RX+TX ONE
6	**1 SWIFT ONE** - G1SWIFTSTYB00 Flashing signal lights
7	**1 INDEX ONE** - G1INDEXST0B00 Key-operated switch
8	**1 AC-51** - G1BATTERL0G00 Battery kit

COMUNELLO AUTOMATION

TECHNICAL CHARACTERISTICS

Electrical information	EAGLE ONE
Operating power supply	24 VDC
Power consumption	150 W
Current input	6,5 A
Torque	220 Nm
Duty cycle	intensive use
Protection rating (IP)	IP67
Insulation class	2
Working temperature	-20°C / +50°C
Speed	0,1 Rad/s
Weight	11,3 Kg

EAGLE ONE

ACCESSORIES from page 188 to 189

Wi-fi key ONE can be used for all ONE settings (one key for one installer)

Wi-fi connection key
K-ONE / G1KEYWIFL0G00

Outdoor antenna
AC 30 / GANTENNAN0G00

Foundation box cataphoresis, arm kit included
EE BOX B / GEE000BXN0B00

Foundation box s/steel, arm kit included
EE BOX INOX / GEE000BXNIS00

Unlocking system with key for underground gate operator
AC 150 / GEE001SBN0G00

Unlocking system with key and leverage for underground gate operator
AC 160 / GEE002SBN0G00

Unlocking system with leverage for underground gate operator
AC-170 / GEE003SBN0G00

360° opening set
AC 180 / GEE360ASN0G00
AC 185 / GEE360ASN0G01 (for motors post 2017)

CONTROL ACCESSORIES from page 208 to 243

Control unit
QUAD-1M-ONE / G1QUAD1ML0G00

Control unit
QUAD-2M-ONE / G1QUAD2ML0G00

Battery kit
AC 51 / G1BATTERL0G00

Horizontal 12V electric lock
AC 10 / GINDEX0RM0G00

Vertical 12V electric lock
AC 20 / GINDEXVRM0G00

Limit switch set for underground gate
AC 190 / GEE001FIN0G00

SAFETY ACCESSORIES from page 244 to 251

Flashing signal lights
SWIFT ONE YELLOW / G1SWIFTSTYB00
SWIFT ONE WHITE / G1SWIFTSTWB00

Photocells
DART ONE / G1DARTSTN0B00

Photocells
DART SLIM ONE / G1DARTSLN0B00

Adjustable photocells
DART ADJUSTABLE ONE
G1DARTADN0B00

Signage table
AC 40 / GSAFETYTN0G00

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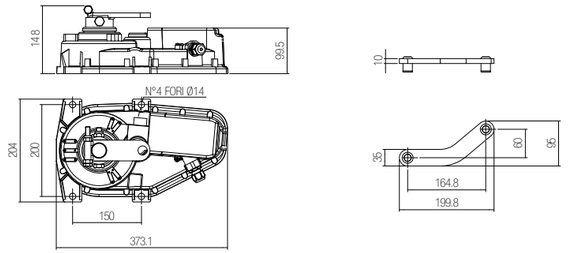
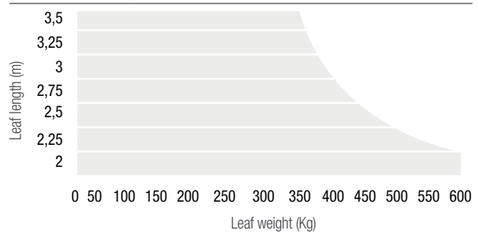
EAGLE

Underground electromechanical actuator for leaf up to 3,5 m (350 kg)per leaf / 600 kg for leaf up to 2 m in length

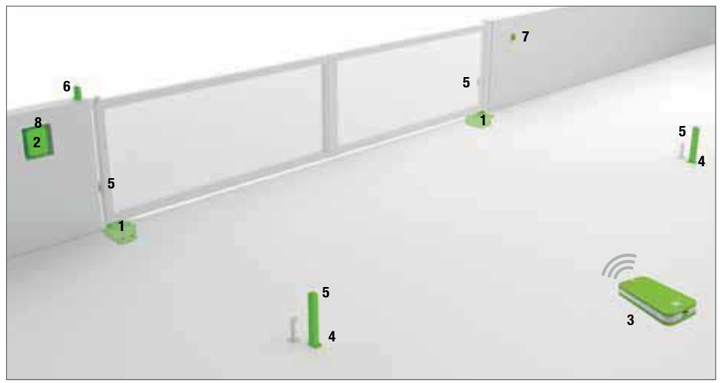


OPERATING LIMITS



Accessories included

ARTICLE	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
EAGLE 24V	GEE03500L0G00	24V Underground actuator	1 pcs.	14,5 kg	60
EAGLE 24V EC	GEE0350EL0G00	24V Underground actuator with encoder	1 pcs.	15 kg	60
EAGLE 230V	GEE03500H0G00	230V Underground actuator	1 pcs.	15 kg	60
EAGLE 230V EC	GEE0350EH0G00	230V Underground actuator with encoder	1 pcs.	15 kg	60



INSTALLATION CHART

1	**2 EAGLE 24V** - GEE03500L0G00 24V for swing leaves
2	**1 QUAD 24V 2M** - GQUADST2L0G00 2 Motors control unit 24V Basic
3	**1 KEEP 2 RC** - GKEEP2STN0B00 2 Channels rolling code Remote control
4	**2 MAST 50** - GMAST005N0G00 Extruded aluminium column h 50 cm
5	**2 DART** - GDARTSTDN0B00 Photocells
6	**1 SWIFT** - GSWIFTSTLYB00 Flashing signal lights
7	**1 INDEX** - GINDEXSTN0B00 Key-operated switch avec cylindre standard
8	**1 AC-50** - GBATTERYL0G00 Battery kit

COMUNELLO AUTOMATION

TECHNICAL CHARACTERISTICS

Electrical information	24V	230V
Operating power supply	24 VDC	230 VAC
Power consumption	150 W	280 W
Current input	6,5 A	1,2 A
Torque	220 Nm	300 Nm
Duty cycle	intensive use	50%
Protection rating (IP)	IP67	IP67
Insulation class	2	1 (mise a la terre)
Working temperature	-20°C / +50°C	-20°C / +50°C
Speed	0,1 Rad/s	0,08 Rad/s
Weight	11,3 Kg	11,6 Kg

EAGLE

ACCESSORIES from page 188 to 189

Outdoor antenna
AC 30 / GANTENNAN0G00

Foundation box cataphoresis, arm kit included
EE BOX B / GEE000BXN0B00

Foundation box s/steel, arm kit included
EE BOX INOX / GEE000BXNIS00

Unlocking system with key for underground gate operator
AC 150 / GEE001SBN0G00

Unlocking system with key and leverage for underground gate operator
AC 160 / GEE002SBN0G00

Unlocking system with leverage for underground gate operator
AC-170 / GEE003SBN0G00

360° opening set
AC 180 / GEE360ASN0G00
AC 185 / GEE360ASN0G01 (for motors post 2017)

CONTROL ACCESSORIES from page 208 to 243

Control unit
QUAD-24V-HP / GQUADHP2L0G00
QUAD-230V-HP / GQUADHP2H0G00

Control unit
QUAD-24V-1M / GQUADST1L0G00
QUAD-230V-1M / GQUADST1H0G00

Control unit
QUAD-24V-2M / GQUADST2L0G00
QUAD-230V-2M / GQUADST2H0G00

Battery kit
AC 50 / GBATTERYL0G00

Horizontal 12V electric lock
AC 10 / GINDEX0RM0G00

Vertical 12V electric lock
AC 20 / GINDEXVRM0G00

Limit switch set for underground gate
AC 190 / GEE001FIN0G00

SAFETY ACCESSORIES from page 244 to 251

Flashing signal lights
SWIFT YELLOW / GSWIFTSTLYB00
SWIFT WHITE / GSWIFTSTLWB00

Photocells
DART / GDARTSTDN0B00

Photocells slim
DART SLIM / GDARTSLMN0B00

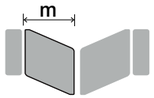
Adjustable photocells
DART ADJUSTABLE / GDARTADJN0B00

Signage table
AC 40 / GSAFETYTN0G00

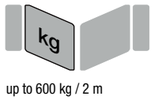
EAGLE ONE KIT

ONE TECHNOLOGY

The kits contain all the parts and equipment you need to make set up and connection as easy as possible. Instruction manuals and technical information are available on our website at **www.comunello.com**. We also offer our service to provide expert technical support by phone. The actuator range is in compliance with CE directive (EMC, LVD, and R&TTE) and successive amendments.



up to 3,5 m / 350 kg



up to 600 kg / 2 m

ARTICLE	CODE	MOTOR CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
KIT EAGLE ONE	GK1E035ELG000	EAGLE ONE / G1E0350ELOG27	Eagle One 24V Kit for swing gates	1 kit	54,7 kg	16

EAGLE ONE KIT CONTENTS

EAGLE ONE

2 Motors Eagle One

AC-170

2 Unlocking system with leverage

QUAD ONE 24V 2M

Control unit

DART ONE

Photocells

KEEP 2 RC

2 Remote controls 2 channels

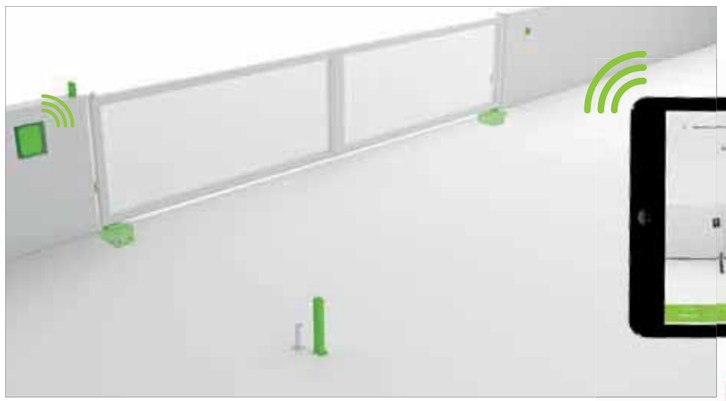
SWIFT Y ONE

Flashing signal light

AC 40

Signage table

Setup with ONE technology needs wi-fi key K-ONE, not included in the kit



Tablet not included

ONE TECHNOLOGY

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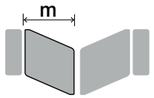
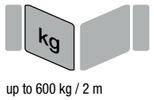
EAGLE KIT

COMUNELLO AUTOMATION

The kits contain all the parts and equipment you need to make set up and connection as easy as possible. Instruction manuals and technical information are available on our website at **www.comunello.com**. We also offer our service to provide expert technical support by phone. The actuator range is in compliance with CE directive (EMC, LVD, and R&TTE) and successive amendments.



up to 3,5 m / 350 kg



up to 600 kg / 2 m

ARTICLE	CODE	MOTOR CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
KIT EAGLE 24V	GKEE0350LG027	EAGLE 24V / GEE03500L0G00	Eagle 24V Kit for swing gates	1 kit	54,7 kg	16
KIT EAGLE 230V	GKEE0350HG027	EAGLE 230V / GEE03500H0G00	Eagle 230V Kit for swing gates	1 kit	54,3 kg	16

EAGLE KIT CONTENTS

EAGLE 24V/230V

2 Motors Eagle

AC-170

2 Unlocking system with leverage

QUAD 24V 2M / QUAD 230V 2M

Control unit

INDEX

Key-operated switch

KEEP 2 RC

2 Remote control 2 channels

DART

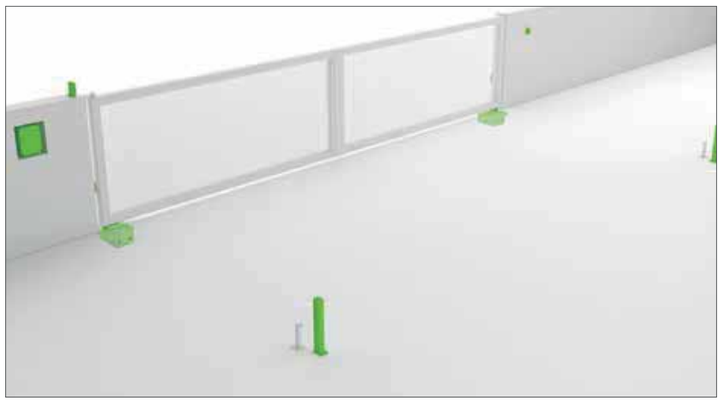
Photocells

SWIFT Y

Flashing signal light

AC 40

Signage table



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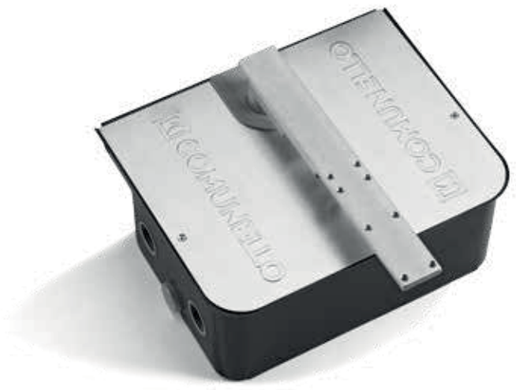
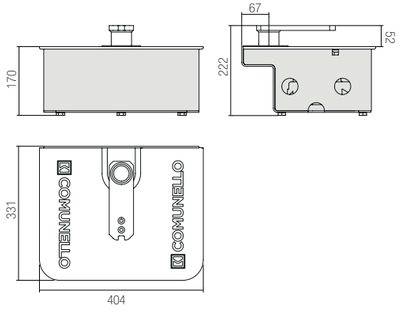
Swing gates

EE BOX



Foundation box cataphoresis, arm kit included

ARTICLE	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
EAGLE BOX	GEE000BXN0B00	Foundation box cataphoresis	1 pcs.	10,8 kg	60
EAGLE BOX INOX	GEE000BXNIS00	Foundation box s/steel	1 pcs.	11,5 kg	60



Accessories included

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ABACUS 220 / 300 / 500

For leaves up to 2,20 m (Max leaf weight: 200 kg). For leaves up to 300 kg, max leaf length is 1,2 m
For leaves up to 3 m (Max leaf weight: 300 kg). For leaves up to 500 kg, max leaf length is 1,5 m
For leaves up to 5 m (Max leaf weight: 220 kg). For leaves up to 500 kg, max leaf length is 2 m

Electromechanical rod actuators ideal for residential and industrial swing gates

Products in the Abacus line have a one-piece aluminium housing for the mechanical parts and motors which guarantees durability and security. These products are designed to be long-lasting and perform to the highest standards in all weathers and are built to provide optimum security and reliability. The internal gearing is made from innovative materials for quiet movement. Abacus products are simple to install and maintain.

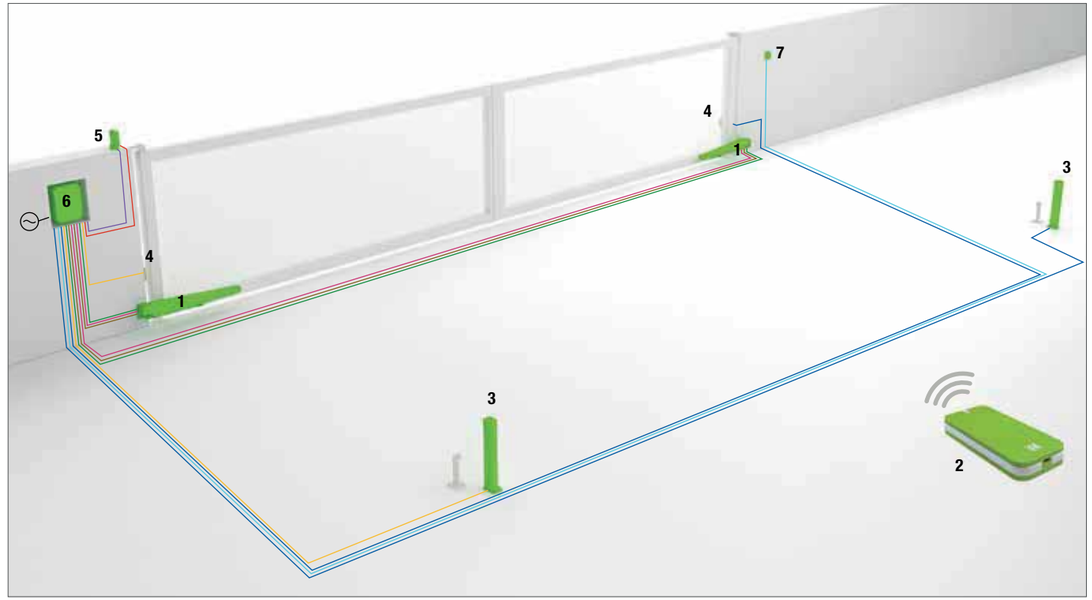
COMUNELLO AUTOMATION

GENERAL INFORMATION

- 24 VDC and 230 VAC versions.
  24 VDC and 230 VAC versions.
- Durability
  Polyester coated monoblock aluminium casing for maximum durability in all weather conditionsi
- Safety and Reliability
  Metal lever - operated emergency release. Protected, easy-to-reach electrical connections
- Versions with encoder and limit switch
- Easy to install
  Easy to install and maintain. Built-in condensor for the 230 Vac version
- Available in kit form

24 VDC 230 VAC KIT

INSTALLATION CHART



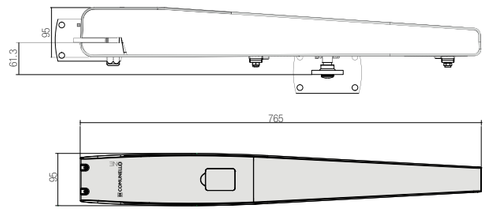
1 ABACUS 220 / 300 / 500
2 RADIO CONTROL
3 COLUMNS
4 PHOTOCELLS
5 SIGNAL LIGHT
6 CONTROL UNIT
7 SWITCH

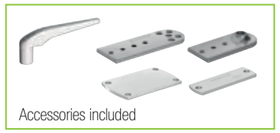
24V	DESCRIPTION	Wire	Length (1 m / 20 m)	Length (20 m / 50 m)
	Power supply	FROR CEI 20-22 CEI EN 50267-2-1	2 x 1,5 mm²	2 x 2,5 mm²
	Operating power supply		2 x 2,5 mm²	2 x 4,0 mm²
	Flashing signal lights		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell TX		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell RX		4 x 0,5 mm²	4 x 1,0 mm²
	Key operated switch		3 x 0,5 mm²	3 x 1,0 mm²
	Limit switch		3 x 0,5 mm²	3 x 1,0 mm²
	Encoder		3 x 0,5 mm²	3 x 1,0 mm²
	Antenna	RG58	max 20 m	max 20 m

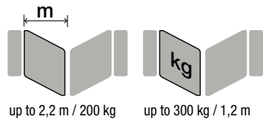
230V	DESCRIPTION	Wire	Length (1 m / 20 m)	Length (20 m / 50 m)
	Power supply	FROR CEI 20-22 CEI EN 50267-2-1	3G x 1,5 mm²	3G x 2,5 mm²
	Operating power supply		4G x 1,5 mm²	4G x 2,5 mm²
	Flashing signal lights		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell TX		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell RX		4 x 0,5 mm²	4 x 1,0 mm²
	Key operated switch		3 x 0,5 mm²	3 x 1,0 mm²
	Limit switch		3 x 0,5 mm²	3 x 1,0 mm²
	Encoder		3 x 0,5 mm²	3 x 1,0 mm²
	Antenna	RG58	max 20 m	max 20 m

ABACUS 220 ONE

For leaves up to 2,20 m (Max leaf weight: 200 kg). For leaves up to 300 kg, max leaf length is 1,2 m



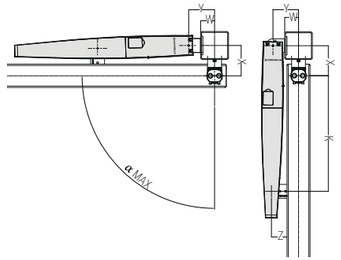




AS220

X	80		100		120		140		160		180		200	
Y	K α_{max}	Z C_0	K α_{max}	Z C_0	K α_{max}	Z C_0	K α_{max}	Z C_0	K α_{max}	Z C_0	K α_{max}	Z C_0	K α_{max}	Z C_0
100	568 98°	55 648,5	548 107°	60 648,5	528 115°	65 648,5	508 118°	75 648,5	488 103°	85 648,5	468 95°	95 648,5	448 90°	110 648,5
120	567 97°	60 649	549 105°	65 649	529 112°	75 649	509 106°	85 649	489 96°	90 649	469 90°	105 649		
140	566 96°	65 649	546 104°	70 649	526 110°	80 649	506 95°	90 649	488 89°	100 649				
160	564 95°	70 649	546 102°	75 649	527 95°	85 649	508 88°	95 649						
180	564 95°	75 649	544 96°	85 649	526 87°	95 649								

AC 80
AC 85



ONE TECHNOLOGY

ARTICLE	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
ABACUS 220 24V ONE	G1A220MEL0B00	24V with mechanical stops and encoder	1 pcs.	8 kg	64

INSTALLATION CHART

1. **2 ABACUS 220 24V ONE** - G1A220MEL0B00
   24V with mechanical stops and encoder
2. **1 QUAD 2M ONE** - G1QUAD2ML0G00
   Control unit for 2 motors 24V Basic
3. **1 KEEP 2 RC** - GKEEP2STN0B00
   2 Channels rolling code Remote control
4. **2 MAST 50** - GMAST005N0G00
   Extruded aluminium column h 50 cm
5. **2 DART ONE** - G1DARTSTN0B00
   Photocells DART RX+TX ONE
6. **1 SWIFT ONE** - G1SWIFTSTYB00
   Flashing signal light
7. **1 INDEX ONE** - G1INDEXST0B00
   Key operated switch
8. **1 AC-51** - G1BATTERL0G00
   Battery kit

COMUNELLO
AUTOMATION

TECHNICAL CHARACTERISTICS

Electrical information	AS220 24V ONE
Power supply	24 VDC
Power consumption	70 W
Current input	3 A
Maximum thrust	1500 N
Nominal thrust	500 N
Duty cycle	intensive use
Protection rating (IP)	IP44
Insulation class	2
Working temperature	-20°C / +50°C
No-load speed	18 mm/s
Weight	8 kg

ABACUS 220 ONE

ACCESSORIES from page 186 a 187

Wi-fi key ONE can be used for all ONE settings (one key for one installer)

Wi-fi connection key
K-ONE / G1KEYWIFL0G00

Outdoor antenna
AC 30 / GANTENNAN0G00

Galvanized rear bracket to screw
AC 70 / GAS002ASN0G00

Galvanized rear long bracket
AC 80 / GAS003ASN0G00

Galvanized adjustable front bracket
AC 85 / GAS004ASN0G00

CONTROL ACCESSORIES from page 208 a 243

Control unit
QUAD-1M-ONE / G1QUAD1ML0G00

Control unit
QUAD-2M-ONE / G1QUAD2ML0G00

Battery kit
AC 51 / G1BATTERL0G00

Horizontal 12V electric lock
AC 10 / GINDEXORMOG00

Vertical 12V electric lock
AC 20 / GINDEXVRMOG00

Kit 5 Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Remote control, rolling code 2 ch.
KEEP 2 RC W / GKEEP2STN0W00
KEEP 2 RC B / GKEEP2STN0B00

Remote control, rolling code 4 ch.
KEEP 4 RC W / GKEEP4STN0W00
KEEP 4 RC B / GKEEP4STN0B00

Key operated switch
INDEX ONE / G1INDEXST0B00

Digital switch with keypad
TACT / GTACTSTDN0B00

Flashing signal light
SWIFT ONE YELLOW / G1SWIFTSTYB00
SWIFT ONE WHITE / G1SWIFTSTWB00

Photocells
DART ONE / G1DARTSTN0B00

Photocells slim
DART SLIM ONE / G1DARTSLN0B00

Adjustable photocells
DART ADJUSTABLE ONE
G1DARTADN0B00

Signage table
AC 40 / GSAFETYTN0G00

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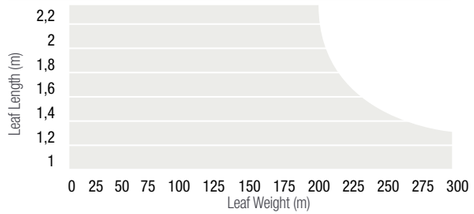
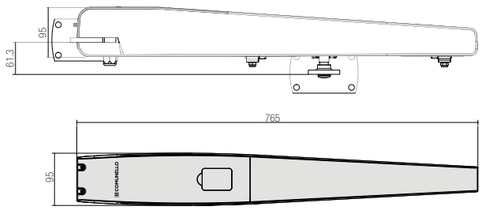
ABACUS 220

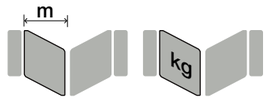
For leaves up to 2,20 m (Max leaf weight: 200 kg). For leaves up to 300 kg, max leaf length is 1,2 m

OPERATING LIMITS





Accessories included

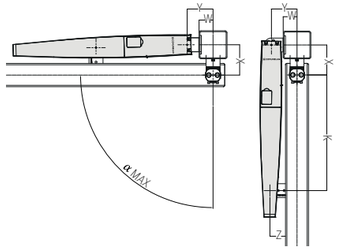


up to 2,2 m / 200 kg up to 300 kg / 1,2 m

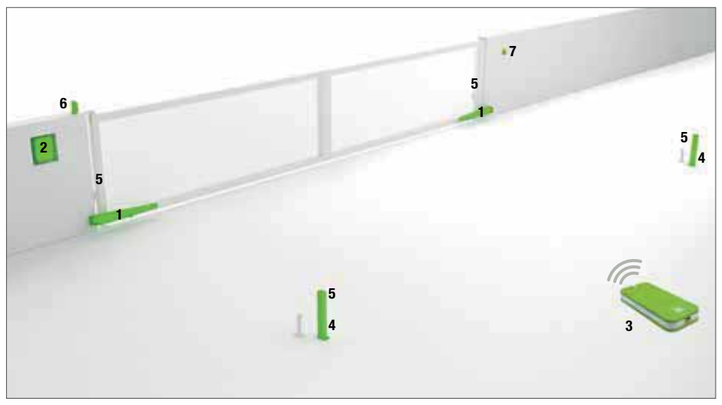
AS220

X	80		100		120		140		160		180		200	
Y	K α_{max}	Z C_0	K α_{max}	Z C_0	K α_{max}	Z C_0	K α_{max}	Z C_0	K α_{max}	Z C_0 g	K α_{max}	Z C_0	K α_{max}	Z C_0
100	568 98°	55 648,5	548 107°	60 648,5	528 115°	65 648,5	508 118°	75 648,5	488 103°	85 648,5	468 95°	95 648,5	448 90°	110 648,5
120	567 97°	60 649	549 105°	65 649	529 112°	75 649	509 106°	85 649	489 96°	90 649	469 90°	105 649		
140	566 96°	65 649	546 104°	70 649	526 110°	80 649	506 95°	90 649	488 89°	100 649				
160	564 95°	70 649	546 102°	75 649	527 95°	85 649	508 88°	95 649						
180	564 95°	75 649	544 96°	85 649	526 87°	95 649								

AC 80
AC 85



ARTICLE	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
ABACUS 220 24V FM	GAS220M0L0B00	24V with mechanical stops	1 pcs.	8 kg	64
ABACUS 220 24V FE	GAS220E0L0B00	24V with electronic limit switches	1 pcs.	8 kg	64
ABACUS 220 24V FE E	GAS220EEL0B00	24V with encoder and electronic limit switches	1 pcs.	8 kg	64
ABACUS 220 230V FM	GAS220M0H0B00	230V with mechanical stops	1 pcs.	8,6 kg	64
ABACUS 220 230V FM E	GAS220MEH0B00	230V with mechanical stops and encoder	1 pcs.	8,6 kg	64



INSTALLATION CHART

1. **2 ABACUS 220 24V FE E** - GAS220EEL0B00
   24V with encoder and electronic limit switches
2. **1 QUAD 24V HP** - GQUADHP2LOG00
   Control unit for 1/2 motorsi 24V HP
3. **1 KEEP 2 RC** - GKEEP2STN0B00
   2 Channels rolling code Remote control
4. **2 MAST 50** - GMAST005N0G00
   Extruded aluminium column h 50 cm
5. **2 DART** - GDARTSTDN0B00
   Photocells
6. **1 SWIFT** - GSWIFTSTLYB00
   Flashing signal light
7. **1 INDEX** - GINDEXSTN0B00
   Key operated switch
8. **1 AC-50** - GBATTERYL0G00
   Battery kit

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COMUNELLO AUTOMATION

TECHNICAL CHARACTERISTICS

Electrical information	AS220 24V FM	AS220 24V FE	AS220 24V FE E	AS220 230V FM	AS220 230V FM E
Power supply	24 VDC	24 VDC	24 VDC	230 VAC	230 VAC
Power consumption	70 W	70 W	70 W	180 W	180 W
Current input	3 A	3 A	3 A	0,8 A	0,8 A
Maximum thrust	1500 N	1500 N	1400 N	1400 N	1400 N
Nominal thrust	500 N	500 N	400 N	400 N	400 N
Duty cycle	intensive use	intensive use	intensive use	50%	50%
Protection rating (IP)	IP44	IP44	IP44	IP44	IP44
Insulation class	2	2	2	1 (earthing)	1 (earthing)
Working temperature	-20°C / +50°C	-20°C / +50°C	-20°C / +50°C	-20°C / +50°C	-20°C / +50°C
No-load speed	18 mm/s	18 mm/s	18 mm/s	16 mm/s	16 mm/s
Weight	8 kg	8 kg	8 kg	8,6 kg	8,6 kg

ABACUS 220

ACCESSORIES from page 186 a 187

Outdoor antenna
AC 30 / GANTENNAN0G00

Galvanized rear bracket to screw
AC 70 / GAS002ASN0G00

Galvanized rear long bracket
AC 80 / GAS003ASN0G00

Galvanized adjustable front bracket
AC 85 / GAS004ASN0G00

CONTROL ACCESSORIES from page 208 a 243

Control unit
QUAD-24V-HP / GQUADHP2LOG00
QUAD-230V-HP / GQUADHP2HOG00

Control unit
QUAD-24V-1M / GQUADST1LOG00
QUAD-230V-1M / GQUADST1HOG00

Control unit
QUAD-24V-2M / GQUADST2LOG00
QUAD-230V-2M / GQUADST2HOG00

Battery kit
AC 50 / GBATTERYL0G00

Horizontal 12V electric lock
AC 10 / GINDEXORM0G00

Vertical 12V electric lock
AC 20 / GINDEXVRM0G00

Kit 5 Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Remote control, rolling code 2 ch.
KEEP 2 RC W / GKEEP2STN0W00
KEEP 2 RC B / GKEEP2STN0B00

Remote control, rolling code 4 ch.
KEEP 4 RC W / GKEEP4STN0W00
KEEP 4 RC B / GKEEP4STN0B00

Key operated switch
INDEX / GINDEXSTN0B00

Digital switch with keypad
TACT / GTACTSTDN0B00

SAFETY ACCESSORIES from page 244 a 251

Flashing signal light
SWIFT YELLOW / GSWIFTSTLYB00
SWIFT WHITE / GSWIFTSTLWB00

Photocells
DART / GDARTSTDN0B00

Photocells slim
DART SLIM / GDARTSLMN0B00

Adjustable photocells
DART ADJUSTABLE / GDARTADJN0B00

Signage table
AC 40 / GSAFETYTN0G00

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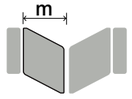
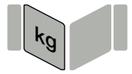
ABACUS 220 ONE KIT

ONE TECHNOLOGY

The kits contain all the parts and equipment you need to make set up and connection as easy as possible. Instruction manuals and technical information are available on our website at **www.comunello.com**. We also offer our service to provide expert technical support by phone. The actuator range is in compliance with CE directive (EMC, LVD, and R&TTE) and successive amendments.



up to 2,2 m / 200 kg



up to 300 kg / 1,2 m

ARTICLE	CODE	MOTOR CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
KIT ABACUS 220 ONE	GK1A220MLB000	ABACUS 220 24V ONE / G1A220MEL0B00	Kit Abacus One 24V for swing leaves	1 kit	22 kg	16

ABACUS 220 ONE KIT CONTENTS

ABACUS 220 ONE

2 MOTORS ABACUS 220 ONE

QUAD ONE 24V 2M

Control unit

KEEP 2 RC

2 radio control unit 2ch.

DART ONE

Photocells

SWIFT-Y ONE

Flashing signal lights

AC 40

Signage table

Accessories included

Setup with ONE technology needs wi-fi key K-ONE, not included in the kit

Tablet not included

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ABACUS 220 KIT

COMUNELLO AUTOMATION

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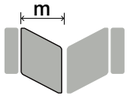


up to 2,2 m / 200 kg

up to 300 kg / 1,2 m

ARTICLE	CODE	MOTOR CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
KIT ABACUS 220 24V	GKAS220MLB000	ABACUS 220 24V FM / GAS220M0L0B00	Kit Abacus 24V for swing leaves	1 kit	22 kg	16
KIT ABACUS 220 230V	GKAS220MHB000	ABACUS 220 230V FM / GAS220M0H0B00	Kit Abacus 230V for swing leaves	1 kit	22,2 kg	16

ABACUS 220 KIT CONTENTS

ABACUS 220

2 MOTORS ABACUS 220

QUAD 24V 2M / QUAD 230V 2M

Control unit

INDEX

Key operated switch

KEEP 2 RC

2 ch. radio control unit

DART

Photocells

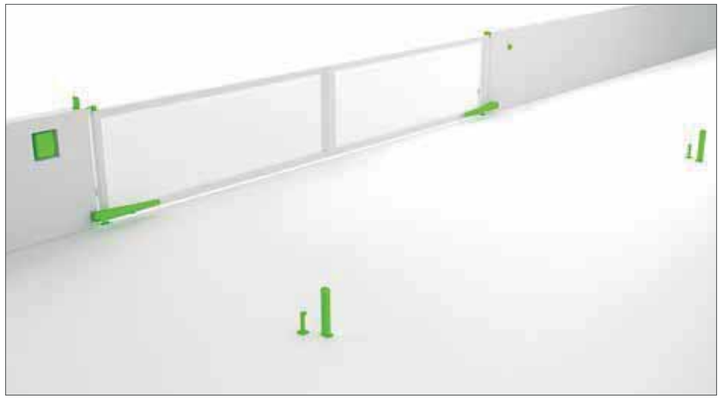
SWIFT-Y

Flashing signal lights

AC 40

Signage table

Accessories included



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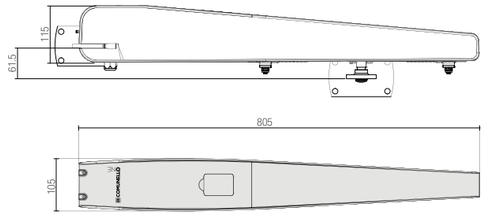
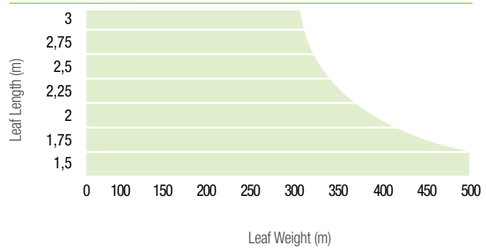
ABACUS 300 ONE

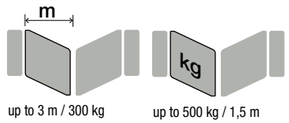
For leaves up to 3 m (Max leaf weight: 300 kg). For leaves up to 500 kg, max leaf length is 1,5 m



OPERATING LIMITS



Accessories included



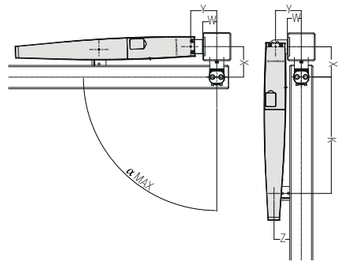
up to 3 m / 300 kg

up to 500 kg / 1,5 m

AS300

X	80		100		120		140		160		180		200	
Y	K α_{max}	Z C_0	K α_{max}	Z C_0	K α_{max}	Z C_0	K α_{max}	Z C_0	K α_{max}	Z C_0	K α_{max}	Z C_0	K α_{max}	Z C_0
100	605	65	585	65	565	70	545	75	525	80	505	95	488	102,5
	96°	685	105°	685	114°	685	115°	685	101°	685	94°	685	90°	688
120	608	75	588	70	568	70	548	75	528	85	508	102,5		
	95°	688	104°	688	110°	688	105°	688	95°	688	90°	688		
140	607	65	586	65	567	75	547	80	529	90				
	95°	688	105°	688	110°	688	96°	688	90°	688				
160	605	70	584	75	566	80								
	94°	688	100°	688	95°	688								

NOT SUGGESTED



ONE TECHNOLOGY

ARTICLE	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
ABACUS 300 24V ONE	G1A300MEL0B00	24V with mechanical stops and encoder	1 pcs.	10,1 kg	45

Tablet not included

INSTALLATION CHART

1	**2 ABACUS 300 24V ONE** - G1A300MEL0B00 24V with mechanical stops and encoder
2	**1 QUAD 2M ONE** - G1QUAD2ML0G00 Control unit for 2 motors 24V Basic
3	**1 KEEP 2 RC** - GKEEP2STN0B00 2 Channels rolling code Remote control
4	**2 MAST 50** - GMAST005N0G00 Extruded aluminium column h 50 cm
5	**2 DART ONE** - G1DARTSTN0B00 Photocells DART RX+TX ONE
6	**1 SWIFT ONE** - G1SWIFTSTYB00 Flashing signal light
7	**1 INDEX ONE** - G1INDEXST0B00 Key operated switch
8	**1 AC-51** - G1BATTERL0G00 Battery kit

COMUNELLO AUTOMATION

TECHNICAL CHARACTERISTICS

Electrical information	AS300 24V ONE
Power supply	24VDC
Power consumption	110 W
Current input	5 A
Maximum thrust	1800 N
Nominal thrust	600 N
Duty cycle	intensive use
Protection rating (IP)	IP44
Insulation class	2
Working temperature	-20°C / +50°C
No-load speed	21 mm/s
Weight	10,2 kg

ABACUS 300 ONE

ACCESSORIES from page 186 a 187

Wi-fi key ONE can be used for all ONE settings (one key for one installer)

Wi-fi connection key
K-ONE / G1KEYWIFL0G00

Outdoor antenna
AC 30 / GANTENNAN0G00

Galvanized rear bracket to screw
AC 70 / GAS002ASN0G00

Galvanized rear long bracket
AC 80 / GAS003ASN0G00

Galvanized adjustable front bracket
AC 85 / GAS004ASN0G00

CONTROL ACCESSORIES from page 208 a 243

Control unit
QUAD-1M-ONE / G1QUAD1ML0G00

Control unit
QUAD-2M-ONE / G1QUAD2ML0G00

Battery kit
AC 51 / G1BATTERL0G00

Horizontal 12V electric lock
AC 10 / GINDEX0RM0G00

Vertical 12V electric lock
AC 20 / GINDEXVRM0G00

Kit 5 Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Remote control, rolling code 2 ch.
KEEP 2 RC W / GKEEP2STN0W00
KEEP 2 RC B / GKEEP2STN0B00

Remote control, rolling code 4 ch.
KEEP 4 RC W / GKEEP4STN0W00
KEEP 4 RC B / GKEEP4STN0B00

Key operated switch
INDEX ONE / G1INDEXST0B00

Digital switch with keypad
TACT / GTACTSTDN0B00

SAFETY ACCESSORIES from page 244 a 251

Flashing signal light
SWIFT ONE YELLOW / G1SWIFTSTYB00
SWIFT ONE WHITE / G1SWIFTSTWB00

Photocells
DART ONE / G1DARTSTN0B00

Photocells slim
DART SLIM ONE / G1DARTSLN0B00

Adjustable photocells
DART ADJUSTABLE ONE
G1DARTADN0B00

Signage table
AC 40 / GSAFETYTN0G00

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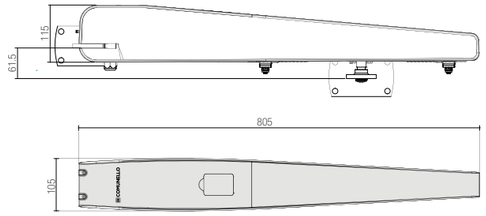
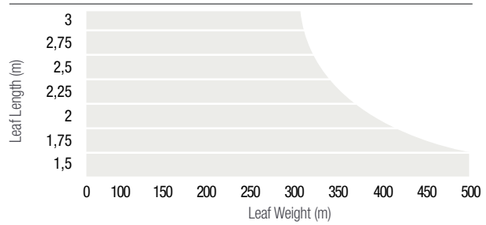
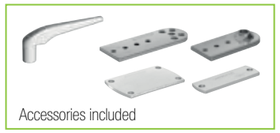
ABACUS 300

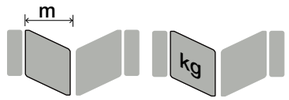
For leaves up to 3 m (Max leaf weight: 300 kg). For leaves up to 500 kg, max leaf length is 1,5 m



OPERATING LIMITS




Accessories included



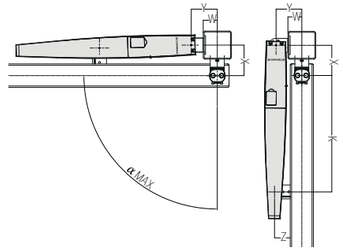
up to 3 m / 300 kg

up to 500 kg / 1,5 m

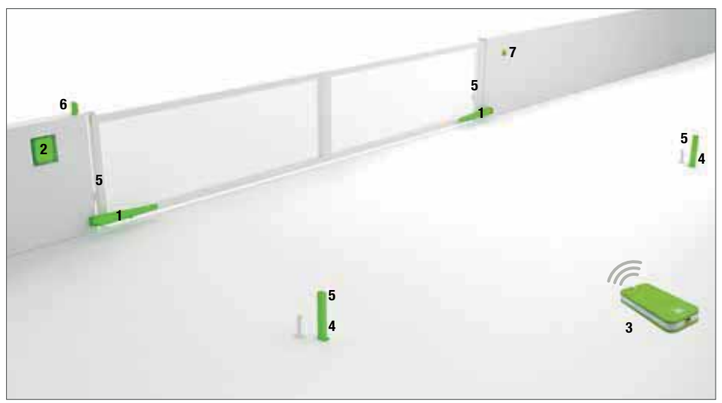
AS300

X	80		100		120		140		160		180		200	
Y	K α_{max}	Z C_0	K α_{max}	Z C_0	K α_{max}	Z C_0	K α_{max}	Z C_0	K α_{max}	Z C_0	K α_{max}	Z C_0	K α_{max}	Z C_0
100	605 96°	65 685	585 105°	65 685	565 114°	70 685	545 115°	75 685	525 101°	80 685	505 94°	95 685	488 90°	102,5 688
120	608 95°	75 688	588 104°	70 688	568 110°	70 688	548 105°	75 688	528 95°	85 688	508 90°	102,5 688		
140	607 95°	65 688	586 105°	65 688	567 110°	75 688	547 96°	80 688	529 90°	90 688				
160	605 94°	70 688	584 100°	75 688	566 95°	80 688								

NOT SUGGESTED



ARTICLE	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
ABACUS 300 24V FM	GAS300M0L0B00	24V with mechanical stops	1 pcs.	10,1 kg	45
ABACUS 300 24V FE	GAS300E0L0B00	24V with electronic limit switches	1 pcs.	10,1 kg	45
ABACUS 300 230V FM	GAS300M0H0B00	230V with mechanical stops	1 pcs.	10,7 kg	45
ABACUS 300 230V FE	GAS300E0H0B00	230V with electronic limit switches	1 pcs.	10,7 kg	45
ABACUS 300 230V FM E	GAS300MEH0B00	230V with mechanical stops and encoder	1 pcs.	10,7 kg	45



INSTALLATION CHART

1. **2 ABACUS 300 24V FM** - GAS300M0L0B00
   24V with mechanical stops
2. **1 QUAD 24V HP** - GQUADHP2L0G00
   Control unit for 1/2 motorsi 24V HP
3. **1 KEEP 2 RC** - GKEEP2STN0B00
   2 Channels rolling code Remote control
4. **2 MAST 50** - GMAST005N0G00
   Extruded aluminium column h 50 cm
5. **2 DART** - GDARTSTDN0B00
   Photocells
6. **1 SWIFT** - GSWIFTSTLYB00
   Flashing signal light
7. **1 INDEX** - GINDEXSTN0B00
   Key operated switch
8. **1 AC-50** - GBATTERYL0G00
   Battery kit

COMUNELLO AUTOMATION

TECHNICAL CHARACTERISTICS

Electrical information	AS300 24V FM	AS300 24V FE	AS300 230V FM	AS300 230V FE	AS300 230V FM E
Power supply	24 VDC	24 VDC	230 VAC	230 VAC	230 VAC
Power consumption	110 W	110 W	280 W	280 W	280 W
Current input	5 A	5 A	1,2 A	1,2 A	1,2 A
Maximum thrust	1800 N	1800 N	2000 N	2000 N	2000 N
Nominal thrust	600 N	600 N	700 N	700 N	700 N
Duty cycle	intensive use	intensive use	50%	50%	50%
Protection rating (IP)	IP44	IP44	IP44	IP44	IP44
Insulation class	2	2	1 (earthing)	1 (earthing)	1 (earthing)
Working temperature	-20°C / +50°C	-20°C / +50°C	-20°C / +50°C	-20°C / +50°C	-20°C / +50°C
No-load speed	21 mm/s	21 mm/s	16 mm/s	16 mm/s	16 mm/s
Weight	10,2 kg	10,2 kg	10,7 kg	10,7 kg	10,7 kg

ABACUS 300

ACCESSORIES from page 186 a 187

Outdoor antenna
AC 30 / GANTENNAN0G00

Galvanized rear bracket to screw
AC 70 / GAS002ASN0G00

Galvanized rear long bracket
AC 80 / GAS003ASN0G00

Galvanized adjustable front bracket
AC 85 / GAS004ASN0G00

CONTROL ACCESSORIES from page 208 a 243

Control unit
QUAD-24V-HP / GQUADHP2L0G00
QUAD-230V-HP / GQUADHP2H0G00

Control unit
QUAD-24V-1M / GQUADST1L0G00
QUAD-230V-1M / GQUADST1H0G00

Control unit
QUAD-24V-2M / GQUADST2L0G00
QUAD-230V-2M / GQUADST2H0G00

Battery kit
AC 50 / GBATTERYL0G00

Horizontal 12V electric lock
AC 10 / GINDEXORM0G00

Vertical 12V electric lock
AC 20 / GINDEXVRM0G00

Kit 5 Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Remote control, rolling code 2 ch.
KEEP 2 RC W / GKEEP2STN0W00
KEEP 2 RC B / GKEEP2STN0B00

Remote control, rolling code 4 ch.
KEEP 4 RC W / GKEEP4STN0W00
KEEP 4 RC B / GKEEP4STN0B00

Key operated switch
INDEX / GINDEXSTN0B00

Digital switch with keypad
TACT / GTACTSTDN0B00

SAFETY ACCESSORIES from page 244 a 251

Flashing signal light
SWIFT YELLOW / GSWIFTSTLYB00
SWIFT WHITE / GSWIFTSTLWB00

Photocells
DART / GDARTSTDN0B00

Photocells slim
DART SLIM / GDARTSLMN0B00

Adjustable photocells
DART ADJUSTABLE / GDARTADJN0B00

Signage table
AC 40 / GSAFETYTN0G00

ABACUS 300 ONE KIT

ONE TECHNOLOGY

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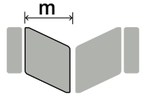

up to 3 m / 300 kg

up to 500 kg / 1,5 m

ARTICLE	CODE	MOTOR CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
KIT ABACUS 300 ONE	GK1A300MLB000	ABACUS 300 24V ONE / G1A300MEL0B00	Kit Abacus One 24V for swing leaves	1 kit	26,2 kg	16

ABACUS 300 ONE KIT CONTENTS

ABACUS 300 ONE

2 MOTORS ABACUS 300 ONE

QUAD ONE 24V 2M

Control unit

KEEP 2 RC

2 radio control unit 2ch.

DART ONE

Photocells

SWIFT-Y ONE

Flashing signal lights

AC 40

Signage table

Accessories included

Setup with ONE technology needs wi-fi key K-ONE, not included in the kit

Tablet not included

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ABACUS 300 KIT

COMUNELLO AUTOMATION

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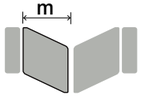


up to 3 m / 300 kg

up to 500 kg / 1,5 m

ARTICLE	CODE	MOTOR CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
KIT ABACUS 300 24V	GKAS300MLB000	ABACUS 300 24V FM / GAS300M0L0B00	Kit Abacus 24V for swing leaves	1 kit	26,2 kg	16
KIT ABACUS 300 230V	GKAS300MHB000	ABACUS 300 230V FM / GAS300M0H0B00	Kit Abacus 230V for swing leaves	1 kit	26,4 kg	16

ABACUS 300 KIT CONTENTS

ABACUS 300

2 MOTORS ABACUS 300

QUAD 24V 2M / QUAD 230V 2M

Control unit

INDEX

Key operated switch

KEEP 2 RC

2 ch. radio control unit

DART

Photocells

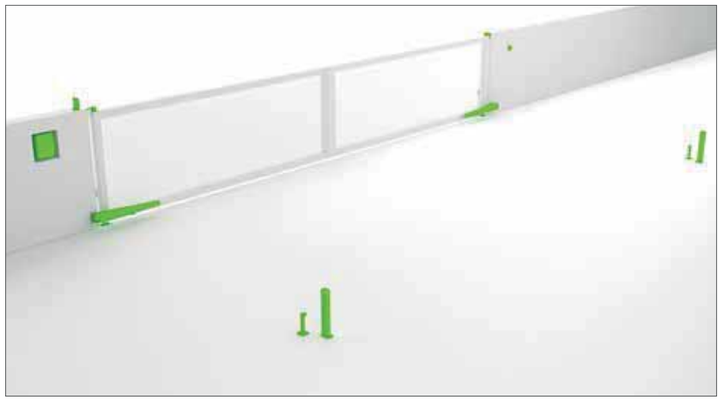
SWIFT-Y

Flashing signal lights

AC 40

Signage table

Accessories included



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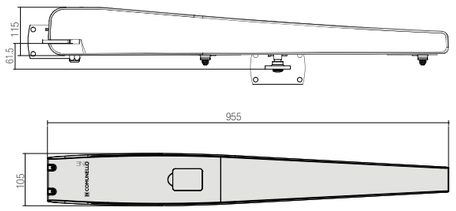
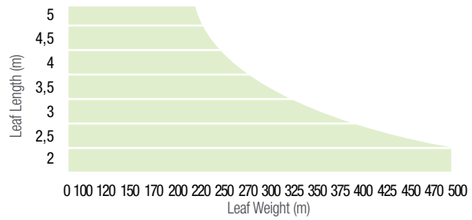
ABACUS 500 ONE

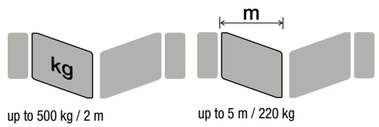
For leaves up to 5 m (Max leaf weight: 220 kg). For leaves up to 500 kg, max leaf length is 2 m



Accessories included

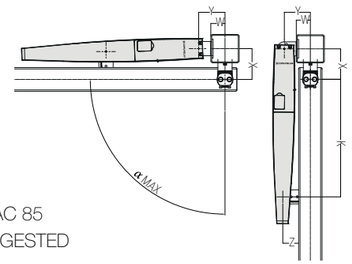
OPERATING LIMITS





A500

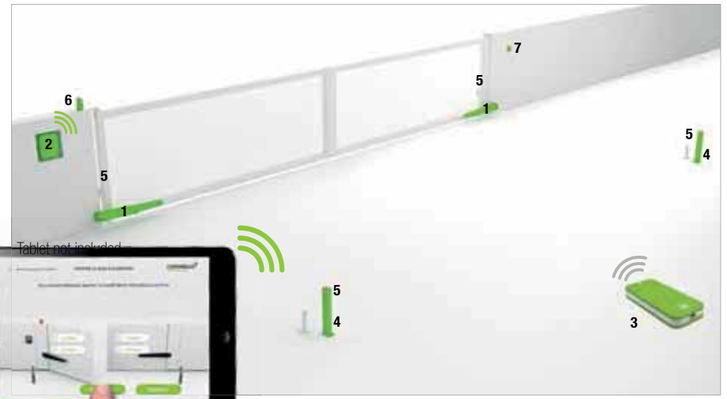
Y \ X	80		100		120		140		160		180		200		220		240		260	
	K α_{max}	Z C_0	K α_{max}	Z C_0	K α_{max}	Z C_0	K α_{max}	Z C_0	K α_{max}	Z C_0	K α_{max}	Z C_0	K α_{max}	Z C_0	K α_{max}	Z C_0	K α_{max}	Z C_0	K α_{max}	Z C_0
100	758	60	738	60	718	60	698	65	678	75	658	85	638	95	618	102,5	597	120	577	135
	95°	838	104°	838	113°	838	120°	838	127°	838	130°	838	135°	838	133°	838	118°	837	118°	837
120	757	60	737	60	717	65	698	70	678	80	658	90	638	100			598	125	577	135
	94°	837	102°	837	110°	837	116°	838	123°	838	128°	838	132°	838			112°	837	105°	837
140	756	65	736	60	716	75	696	80	676	85	656	90	636	102,5			596	125	576	140
	94°	836	102°	836	108°	836	115°	836	120°	836	125°	836	129°	836			107°	836	101°	836
160	756	65	736	70	716	80	696	90	676	95	656	102,5					596	135	576	145
	93°	836	100°	836	106°	836	112°	836	118°	836	112°	836					101°	836	96°	836
180	753	70	733	75	713	80	693	90	673	95	653	102,5	633	115	613	125	593	140		
	93°	838	99°	838	104°	838	110°	838	115°	838	119°	838	109°	838	100°	838	95°	838		
200	756	75	736	80	716	90	696	102,5	676	110	656	120	637	130	617	140				
	93°	838	98°	838	104°	838	108°	838	113°	838	117°	838	103°	838	97°	838				
220	748	80	728	90	708	100	688	110	673	115	653	120	633	130	613	140				
	93°	837	98°	837	102°	837	107°	838	111°	838	115°	838	95°	838	90°	835				
240	748	85	728	95	709	100	692	110	672	120	654	130	635	140	615	145				
	93°	838	98°	838	102°	837	106°	838	108°	838	97°	838	90°	838	89°	838				



AC 85
AC 80
AC 80 + AC 85
NOT SUGGESTED

ONE TECHNOLOGY

ARTICLE	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
ABACUS 500 24V ONE	G1A500MEL0B00	24V with mechanical stops and encoder	1 pcs.	10,7 kg	45



INSTALLATION CHART

1. **2 ABACUS 500 24V ONE** - G1A500MEL0B00
   24V with mechacnical stops and encoder
2. **1 QUAD 2M ONE** - G1QUAD2ML0G00
   Control unit for 2 motors 24V Basic
3. **1 KEEP 2 RC** - GKEEP2STN0B00
   2 Channels rolling code Remote control
4. **2 MAST 50** - GMAST005N0G00
   Extruded aluminium column h 50 cm
5. **2 DART ONE** - G1DARTSTN0B00
   Photocells DART RX+TX ONE
6. **1 SWIFT ONE** - G1SWIFTSTYB00
   Flashing signal light
7. **1 INDEX ONE** - G1INDEXST0B00
   Key operated switch
8. **1 AC-51** - G1BATTERL0G00
   Battery kit

COMUNELLO AUTOMATION

TECHNICAL CHARACTERISTICS

Electrical information	AS500 24V ONE
Power supply	24 VDC
Power consumption	110 W
Current input	5 A
Maximum thrust	1800 N
Nominal thrust	600 N
Duty cycle	intensive use
Protection rating (IP)	IP44
Insulation class	2
Working temperature	-20°C / +50°C
No-load speed	21 mm/s
Weight	10,7 kg

ABACUS 500 ONE

ACCESSORIES from page 186 a 187

Wi-fi key ONE can be used for all ONE settings (one key for one installer)

Wi-fi connection key
K-ONE / G1KEYWIFL0G00

Outdoor antenna
AC 30 / GANTENNAN0G00

Galvanized rear bracket to screw
AC 70 / GAS002ASN0G00

Galvanized rear long bracket
AC 80 / GAS003ASN0G00

Galvanized adjustable front bracket
AC 85 / GAS004ASN0G00

CONTROL ACCESSORIES from page 208 a 243

Control unit
QUAD-1M-ONE / G1QUAD1ML0G00

Control unit
QUAD-2M-ONE / G1QUAD2ML0G00

Battery kit
AC 51 / G1BATTERL0G00

Horizontal 12V electric lock
AC 10 / GINDEXORM0G00

Vertical 12V electric lock
AC 20 / GINDEXVRM0G00

Kit 5 Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Remote control, rolling code 2 ch.
KEEP 2 RC W / GKEEP2STN0W00
KEEP 2 RC B / GKEEP2STN0B00

Remote control, rolling code 4 ch.
KEEP 4 RC W / GKEEP4STN0W00
KEEP 4 RC B / GKEEP4STN0B00

Key operated switch
INDEX ONE / G1INDEXST0B00

Digital switch with keypad
TACT / GTACTSTDN0B00

SAFETY ACCESSORIES from page 244 a 251

Flashing signal light
SWIFT ONE YELLOW / G1SWIFTSYB00
SWIFT ONE WHITE / G1SWIFTSTWB00

Photocells
DART ONE / G1DARTSTN0B00

Photocells slim
DART SLIM ONE / G1DARTSLN0B00

Adjustable photocells
DART ADJUSTABLE ONE
G1DARTADN0B00

Signage table
AC 40 / GSAFETYTN0G00

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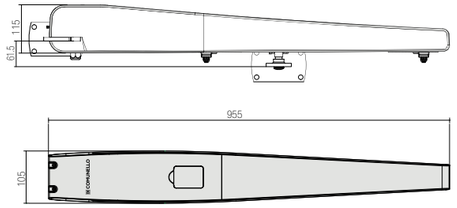
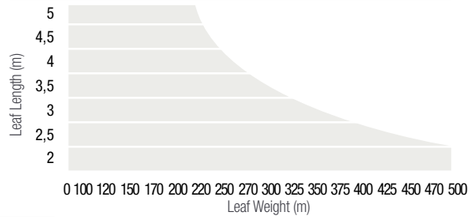
ABACUS 500

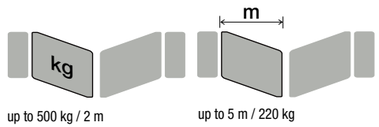
For leaves up to 5 m (Max leaf weight: 220 kg). For leaves up to 500 kg, max leaf length is 2 m



Accessories included

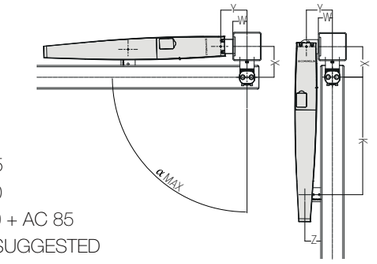
OPERATING LIMITS





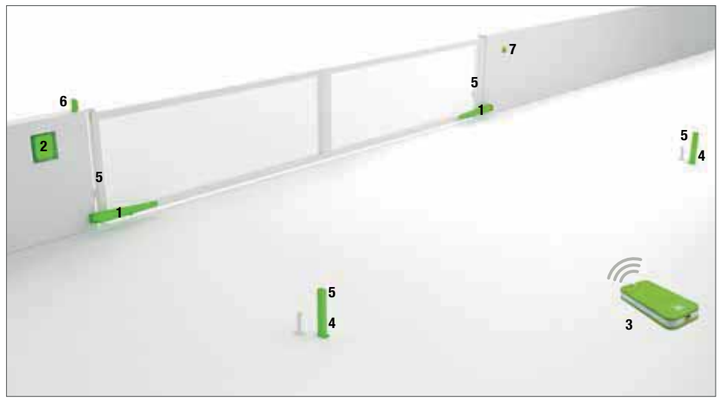
AS500

Y	X	80		100		120		140		160		180		200		220		240		260	
		K	Z	K	Z	K	Z	K	Z	K	Z	K	Z	K	Z	K	Z	K	Z	K	Z
		α_{max}	C_0	α_{max}	C_0	α_{max}	C_0	α_{max}	C_0	α_{max}	C_0	α_{max}	C_0	α_{max}	C_0	α_{max}	C_0	α_{max}	C_0	α_{max}	C_0
100		758	60	738	60	718	60	698	65	678	75	658	85	638	95	618	102,5	597	120	577	135
		95°	838	104°	838	113°	838	120°	838	127°	838	130°	838	135°	838	133°	838	118°	837	118°	837
120		757	60	737	60	717	65	698	70	678	80	658	90	638	100			598	125	577	135
		94°	837	102°	837	110°	837	116°	838	123°	838	128°	838	132°	838			112°	837	105°	837
140		756	65	736	60	716	75	696	80	676	85	656	90	636	102,5			596	125	576	140
		94°	836	102°	836	108°	836	115°	836	120°	836	125°	836	129°	836			107°	836	101°	836
160		756	65	736	70	716	80	696	90	676	95	656	102,5					596	135	576	145
		93°	836	100°	836	106°	836	112°	836	118°	836	112°	836					101°	836	96°	836
180		753	70	733	75	713	80	693	90	673	95	653	102,5	633	115	613	125	593	140		
		93°	838	99°	838	104°	838	110°	838	115°	838	119°	838	109°	838	100°	838	95°	838		
200		756	75	736	80	716	90	696	102,5	676	110	656	120	637	130	617	140				
		93°	838	98°	838	104°	838	108°	838	113°	838	117°	838	103°	838	97°	838				
220		748	80	728	90	708	100	688	110	673	115	653	120	633	130	613	140				
		93°	837	98°	837	102°	837	107°	838	111°	838	115°	838	95°	838	90°	835				
240		748	85	728	95	709	100	692	110	672	120	654	130	635	140	615	145				
		93°	838	98°	838	102°	837	106°	838	108°	838	97°	838	90°	838	89°	838				



- AC 85
- AC 80
- AC 80 + AC 85
- NOT SUGGESTED

ARTICLE	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
ABACUS 500 24V FE E	GAS500EEL0B00	24V with electronic limit switches	1 pcs.	10,7 kg	45
ABACUS 500 230V FE	GAS500E0H0B00	230V with electronic limit switches	1 pcs.	11,2 kg	45
ABACUS 500 230V FM E	GAS500MEH0B00	230V with mechanical stops and encoder	1 pcs.	11,2 kg	45



INSTALLATION CHART

1. **2 ABACUS 500 24V FE E** - GAS500EEL0B00
   For swing leaves 24V with encoder and electronic limit switches
2. **1 QUAD 24V HP** - GQUADHP2LOG00
   Control unit for 1/2 motorsi 24V HP
3. **1 KEEP 2 RC** - GKEEP2STN0B00
   2 Channels rolling code Remote control
4. **2 MAST 50** - GMAST005N0G00
   Extruded aluminium column h 50 cm
5. **2 DART** - GDARTSTDN0B00
   Photocells
6. **1 SWIFT** - GSWIFTSTLYB00
   Flashing signal light
7. **1 INDEX** - GINDEXSTN0B00
   Key operated switch
8. **1 AC-50** - GBATTERYL0G00
   Battery kit

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COMUNELLO AUTOMATION

TECHNICAL CHARACTERISTICS

Electrical information	AS500 24V FE E	AS500 230V FE	AS500 230V FM E
Power supply	24 VDC	230 VAC	230 VAC
Power consumption	110 W	280 W	280 W
Current input	5 A	1,2 A	1,2 A
Maximum thrust	1800 N	2000 N	2000 N
Nominal thrust	600 N	700 N	700 N
Duty cycle	Intensive use	50%	50%
Protection rating (IP)	IP44	IP44	IP44
Insulation class	2	1 (earthing)	1 (earthing)
Working temperature	-20°C / +50°C	-20°C / +50°C	-20°C / +50°C
No-load speed	21 mm/s	16 mm/s	16 mm/s
Weight	10,7 kg	11,2 kg	11,2 kg

ABACUS 500

ACCESSORIES from page 186 a 187

Outdoor antenna
AC 30 / GANTENNAN0G00

Galvanized rear bracket to screw
AC 70 / GAS002ASN0G00

Galvanized rear long bracket
AC 80 / GAS003ASN0G00

Galvanized adjustable front bracket
AC 85 / GAS004ASN0G00

CONTROL ACCESSORIES from page 208 a 243

Control unit
QUAD-24V-HP / GQUADHP2LOG00
QUAD-230V-HP / GQUADHP2HOG00

Control unit
QUAD-24V-1M / GQUADST1LOG00
QUAD-230V-1M / GQUADST1HOG00

Control unit
QUAD-24V-2M / GQUADST2LOG00
QUAD-230V-2M / GQUADST2HOG00

Battery kit
AC 50 / GBATTERYL0G00

Horizontal 12V electric lock
AC 10 / GINDEX0RM0G00

Vertical 12V electric lock
AC 20 / GINDEXVRM0G00

Kit 5 Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Remote control, rolling code 2 ch.
KEEP 2 RC W / GKEEP2STN0W00
KEEP 2 RC B / GKEEP2STN0B00

Remote control, rolling code 4 ch.
KEEP 4 RC W / GKEEP4STN0W00
KEEP 4 RC B / GKEEP4STN0B00

Key operated switch
INDEX / GINDEXSTN0B00

Digital switch with keypad
TACT / GTACTSTDN0B00

SAFETY ACCESSORIES from page 244 a 251

Flashing signal light
SWIFT YELLOW / GSWIFTSTLYB00
SWIFT WHITE / GSWIFTSTLWB00

Photocells
DART / GDARTSTDN0B00

Photocells slim
DART SLIM / GDARTSLMN0B00

Adjustable photocells
DART ADJUSTABLE / GDARTADJN0B00

Signage table
AC 40 / GSAFETYTN0G00

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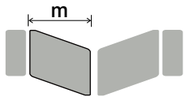
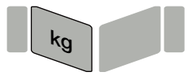
ABACUS 500 ONE KIT

ONE TECHNOLOGY

The kits contain all the parts and equipment you need to make set up and connection as easy as possible. Instruction manuals and technical information are available on our website at **www.comunello.com**. We also offer our service to provide expert technical support by phone. The actuator range is in compliance with CE directive (EMC, LVD, and R&TTE) and successive amendment



up to 5 m / 220 kg



up to 500 kg / 2 m

ARTICLE	CODE	MOTOR CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
KIT ABACUS 500 ONE	GK1A500MLB000	ABACUS 500 24V ONE / G1A500MEL0B00	Kit Abacus One 24V for swing leaves	1 kit	22 kg	16

ABACUS 500 ONE KIT CONTENTS

ABACUS 500 ONE

2 MOTORS ABACUS 500 ONE

QUAD ONE 24V 2M

Control unit

KEEP 2 RC

2 radio control unit 2ch.

DART ONE

Photocells

SWIFT-Y ONE

Flashing signal lights

AC 40

Signage table

Accessories included

Setup with ONE technology needs wi-fi key K-ONE, not included in the kit

Tablet not included

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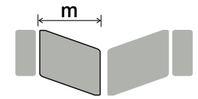
ABACUS 500 KIT

COMUNELLO AUTOMATION

The kits contain all the parts and equipment you need to make set up and connection as easy as possible. Instruction manuals and technical information are available on our website at **www.comunello.com**. We also offer our service to provide expert technical support by phone. The actuator range is in compliance with CE directive (EMC, LVD, and R&TTE) and successive amendment



up to 5 m / 220 kg

up to 500 kg / 2 m

ARTICLE	CODE	MOTOR CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
KIT ABACUS 500 24V	GKAS500ELB000	ABACUS 500 24V FE E / GAS500EEL0B00	Kit Abacus 24V for swing leaves	1 kit	26,2 kg	16
KIT ABACUS 500 230V	GKAS500MHB000	ABACUS 500 230V FM E / GAS500MEH0B00	Kit Abacus 230V for swing leaves	1 kit	26,4 kg	16

ABACUS 500 KIT CONTENTS

ABACUS 500

2 MOTORS ABACUS 500

QUAD 24V 2M / QUAD 230V 2M

Control unit

INDEX

Key operated switch

KEEP 2 RC

2 ch. radio control unit

DART

Photocells

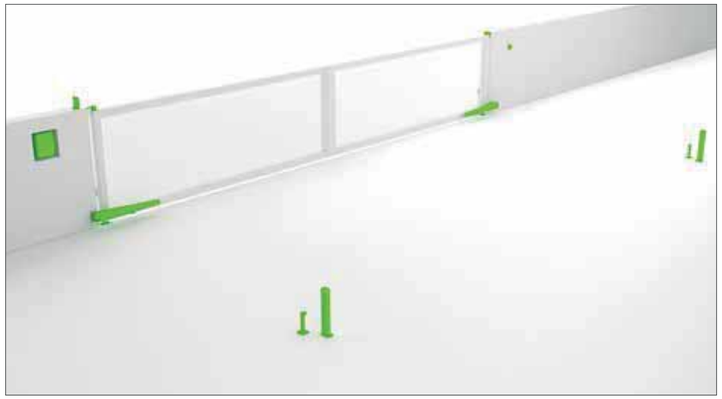
SWIFT-Y

Flashing signal lights

AC 40

Signage table

Accessories included



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CONDOR 220 / 350

Actuators with articulated arms for swing for leaves up to 2,2 m and 3,5 m (Max leaf weight: 150kg and 225kg)
For 250 kg leaf weight, max leaf length is 1 m

Electromechanical actuators with articulated arm

Condor is a line of impact-resistant articulated arm actuators designed to perform to the highest standards in all weathers. Constructed to provide absolute security in case of emergency as well as maximum power output from elevated torque. The new control panel performs to the highest standards and provides simple automated/semi-automated programming of the stop position. Easy and practical to install, these actuators are the ideal solution for heavy use situations.

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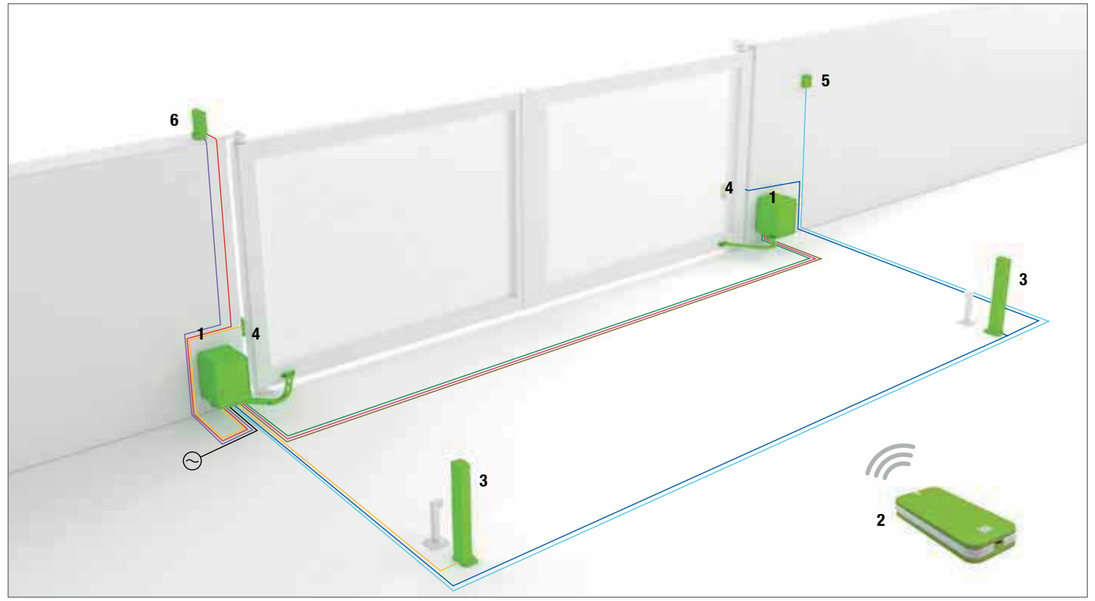
COMUNELLO AUTOMATION

GENERAL INFORMATION

24 VDC 230 VAC KIT

- **24 VDC and 230 VAC versions.**
  Irreversible motors, 24 VDC & 230 VAC complete with galvanised articulated arm
- **Durability**
  Compact, aluminium impact-resistant frame. Diecast alloy (or stainless steel) arm
- **Safety and Reliability**
  Key and lever-operated emergency release mechanism
- **Versions with encoder and limit switch**
- **Maximun power**
  From elevated torque. Bronze gearings available.
- **Easy to install**
- **New control board**
  Preconfigured connection board. LED / Trimmer adjustments for easy reading.
  Programmable automatic/semi-automatic limit switch, timer and reduced speeds. Built-in receiver
- **Available in kit form**

INSTALLATION CHART



1 CONDOR 220 / 350
2 CONTROL RADIO
3 COLUMNS
4 PHOTOCELLS
5 KEY OPERATED SWITCH
6 FLASHING SIGNAL LIGHTS

24V	DESCRIPTION	Wire	Length (1 m / 20 m)	Length (20 m / 50 m)
	Power supply	FROR CEI 20-22 CEI EN 50267-2-1	2 x 1,5 mm²	2 x 2,5 mm²
	Operating power supply		2 x 2,5 mm²	2 x 4,0 mm²
	Flashing signal lights		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell TX		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell RX		4 x 0,5 mm²	4 x 1,0 mm²
	Key operated switch		3 x 0,5 mm²	3 x 1,0 mm²
	Limit switch		3 x 0,5 mm²	3 x 1,0 mm²
	Encoder		3 x 0,5 mm²	3 x 1,0 mm²
	Antenna	RG58	max 20 m	max 20 m

230V	DESCRIPTION	Wire	Length (1 m / 20 m)	Length (20 m / 50 m)
	Power supply	FROR CEI 20-22 CEI EN 50267-2-1	3G x 1,5 mm²	3G x 2,5 mm²
	Operating power supply		4G x 1,5 mm²	4G x 2,5 mm²
	Flashing signal lights		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell TX		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell RX		4 x 0,5 mm²	4 x 1,0 mm²
	Key operated switch		3 x 0,5 mm²	3 x 1,0 mm²
	Limit switch		3 x 0,5 mm²	3 x 1,0 mm²
	Encoder		3 x 0,5 mm²	3 x 1,0 mm²
	Antenna	RG58	max 20 m	max 20 m

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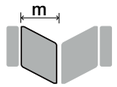
Swing gates

CONDOR 220 ONE

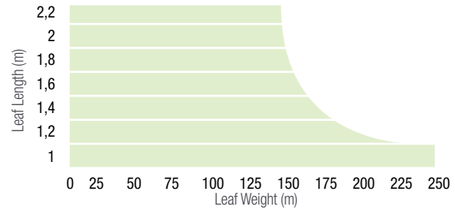
Actuators with articulated arms for swing for leaves up to 2,20 m (Max leaf weight: 150 kg)
For 250 kg leaf weight, max leaf length is 1 m



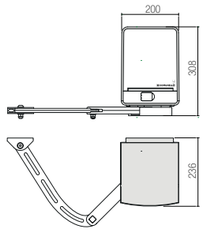
2,2 m / 150 kg

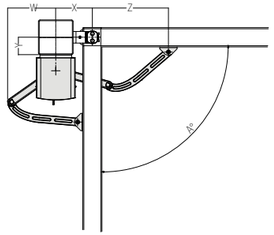
250 kg / 1 m

OPERATING LIMITS



ACCESSORIES INCLUDED





A°	X	Y	Z	W
90°	205	0	415	209
90°	190	50	415	135
90°	185	100	395	159,5
90°	170	150	372	278
110°	250	0	365	287

ONE TECHNOLOGY

ARTICLE	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
CONDOR 220 24V ONE	G1C220MEL0B00	24V built-in control board with encoder	1 pcs.	10 kg	36
CONDOR 220 24V ONE SC	G1C220M1L0B00	24V without control board. Mechanical stops and encoder	1 pcs.	10 kg	36

INSTALLATION CHART

1. **1 CONDOR 220 24V ONE** - G1C220MEL0B00
   24V built-in control board with encoder
2. **1 CONDOR 220 24V ONE SC** - G1C220M1L0B00
   24V without control board. Mechanical stops and encoder
3. **1 KEEP 2 RC** - GKEEP2STN0B00
   2 Channels rolling code Remote control
4. **2 MAST 50** - GMAST005N0G00
   Extruded aluminium column h 50 cm
5. **2 DART ONE** - G1DARTSTN0B00
   Photocells DART RX+TX ONE
6. **1 SWIFT ONE** - G1SWIFTSTYB00
   Flashing signal light
7. **1 INDEX ONE** - G1INDEXST0B00
   Key operated switch
8. **1 AC-51** - G1BATTERL0G00
   Battery kit

COMUNELLO AUTOMATION

TECHNICAL CHARACTERISTICS

Electrical information	CONDOR 220 ONE
Power supply	230 VAC 50 Hz
Operating power supply	24 VDC
Power consumption	110 W
Current input	5 A
Torque	150 Nm
Duty cycle	30%
Protection rating (IP)	IP44
Insulation class	2
Working temperature	-20°C / +50°C
Speed	0,10 rad/s
Weight	10 Kg

CONDOR 220 ONE

ACCESSORIES from page 184 a 185

Wi-fi key ONE can be used for all ONE settings (one key for one installer)

Wi-fi connection key
K-ONE / G1KEYWIFLOG00

Outdoor antenna
AC 30 / GANTENNAN0G00

Reversible longer articulated arm
AC 101 / GCR004BAN0G00

Slide arm
AC 108 / GCR008BAN0B00

CONTROL ACCESSORIES from page 208 a 243

Control unit
QUAD-1M-ONE / G1QUAD1ML0G00

Control unit
QUAD-2M-ONE / G1QUAD2ML0G00

Battery kit
AC 51 / G1BATTERL0G00

Horizontal 12V electric lock
AC 10 / GINDEX0RM0G00

Vertical 12V electric lock
AC 20 / GINDEXVRM0G00

Key operated emergency release
AC 110 / GCR001SCN0G00

External cable release kit
AC 120 - 2,5 m / GCORD025N0B00
AC 130 - 9 m / GCORD090N0B00

Kit 5 Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Remote control, rolling code 2 ch.
KEEP 2 RC W / GKEEP2STN0W00
KEEP 2 RC B / GKEEP2STN0B00

Remote control, rolling code 4 ch.
KEEP 4 RC W / GKEEP4STN0W00
KEEP 4 RC B / GKEEP4STN0B00

Key operated switch bus
INDEX ONE / G1INDEXST0B00

Digital switch with keypad
TACT / GTACTSTDN0B00

SAFETY ACCESSORIES from page 244 a 251

Flashing signal light
SWIFT ONE YELLOW / G1SWIFTSTYB00
SWIFT ONE WHITE / G1SWIFTSTWB00

Photocells bus
DART ONE / G1DARTSTN0B00

Photocells bus slim
DART SLIM ONE / G1DARTSLN0B00

Adjustable photocells bus
DART ADJUSTABLE ONE
G1DARTADN0B00

Signage table
AC 40 / GSAFETYTN0G00

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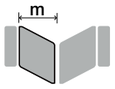
CONDOR 220

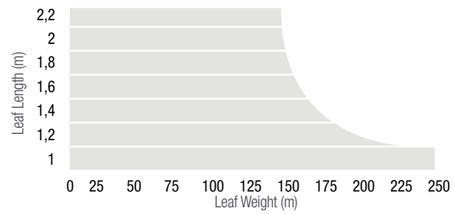
Actuators with articulated arms for swing for leaves up to2,20 m (Max leaf weight: 150 kg)
For 250 kg leaf weight, max leaf length is 1 m



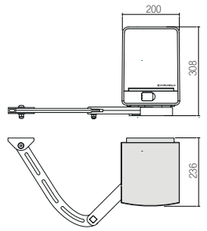
2,2 m / 150 kg

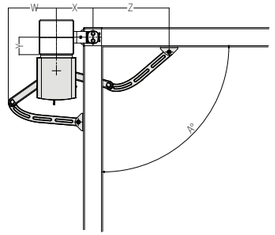
250 kg / 1 m

OPERATING LIMITS



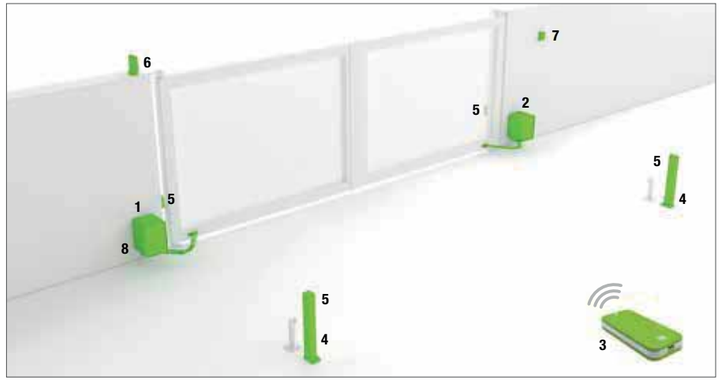
ACCESSORIES INCLUDED





A°	X	Y	Z	W
90°	205	0	415	209
90°	190	50	415	135
90°	185	100	395	159,5
90°	170	150	372	278
110°	250	0	365	287

ARTICLE	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
CONDOR 220 24V FM	GCR220MCL0B00	24V built-in control board with mechanical stops	1 pcs.	10 kg	36
CONDOR 220 24V FE	GCR220ECL0B00	24V built-in control board with electronic limit switches	1 pcs.	10 kg	36
CONDOR 220 24V FE E	GCR220EEL0B00	24V built-in control board with electronic limit switches and encoder	1 pcs.	10 kg	36
CONDOR 220 24V FM SC	GCR220M0L0B00	24V without control board with mechanical stops	1 pcs.	10 kg	36
CONDOR 220 230V FM	GCR220MCH0B00	230V built-in control board with mechanical stops	1 pcs.	10 kg	36
CONDOR 220 230V FE	GCR220ECH0B00	230V entrale integrata with electronic limit switches	1 pcs.	10 kg	36
CONDOR 220 230V FE E	GCR220EEH0B00	230V built-in control board with electronic limit switches and encoder	1 pcs.	10 kg	36
CONDOR 220 230V FM SC	GCR220M0H0B00	230V without control board with mechanical stops	1 pcs.	8 kg	36



INSTALLATION CHART

1. **1 CONDOR 220 24V FM** - GCR220MCL0B00
   24V Built-in control board with mechanical stops and encoder
2. **1 CONDOR 220 24V FM SC** - GCR220M0L0B00
   24V without control board with mechanical stops
3. **1 KEEP 2 RC** - GKEEP2STN0B00
   2 Channels rolling code Remote control
4. **2 MAST 50** - GMAST005N0G00
   Extruded aluminium column h 50 cm
5. **2 DART** - GDARTSTDN0B00
   Photocells
6. **1 SWIFT** - GSWIFTSTLYB00
   Flashing signal lights
7. **1 INDEX** - GINDEXSTN0B00
   Key operated switch
8. **1 AC-50** - GBATTERYL0G00
   Battery kit

COMUNELLO AUTOMATION

TECHNICAL CHARACTERISTICS

Electrical information	24V	230V
Power supply	230 VAC 50 Hz	230 VAC 50 Hz
Operating power supply	24 VDC	230 VAC
Power consumption	110 W	280 W
Current input	5 A	1,2 A
Torque	150 Nm	250 Nm
Duty cycle	50%	50%
Protection rating (IP)	IP44	IP44
Insulation class	2	1 (earthing)
Working temperature	-20°C / +50°C	-20°C / +50°C
Speed	0,10 rad/s	0,10 rad/s
Weight	10 Kg	10 Kg

CONDOR 220

ACCESSORIES from page 184 a 185

Outdoor antenna
AC 30 / GANTENNAN0G00

Reversible longer articulated arm
AC 101 / GCR004BAN0G00

Slide arm
AC 108 / GCR008BAN0B00

CONTROL ACCESSORIES from page 208 a 243

Only for:
CONDOR 220 24V FM SC
CONDOR 220 230V FM SC

Control unit
QUAD-24V-HP / GQUADHP2L0G00
QUAD-230V-HP / GQUADHP2H0G00

Only for:
CONDOR 220 24V FM SC
CONDOR 220 230V FM SC

Control unit
QUAD-24V-1M / GQUADST1L0G00
QUAD-230V-1M / GQUADST1H0G00

Only for:
CONDOR 220 24V FM SC
CONDOR 220 230V FM SC

Control unit
QUAD-24V-2M / GQUADST2L0G00
QUAD-230V-2M / GQUADST2H0G00

Battery kit
AC 50 / GBATTERYL0G00

Horizontal 12V electric lock
AC 10 / GINDEX0RM0G00

Vertical 12V electric lock
AC 20 / GINDEXVRM0G00

Key operated emergency release
AC 110 / GCR001SCN0G00

External cable release kit
AC 120 - 2,5 m / GCORD025N0B00
AC 130 - 9 m / GCORD090N0B00

Kit 5 Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Remote control, rolling code 2 ch.
KEEP 2 RC W / GKEEP2STN0W00
KEEP 2 RC B / GKEEP2STN0B00

Remote control, rolling code 4 ch.
KEEP 4 RC W / GKEEP4STN0W00
KEEP 4 RC B / GKEEP4STN0B00

Key operated switch
INDEX / GINDEXSTN0B00

Digital switch with keypad
TACT / GTACTSTDN0B00

SAFETY ACCESSORIES from page 244 a 251

Flashing signal lights
SWIFT YELLOW / GSWIFTSTLYB00
SWIFT WHITE / GSWIFTSTLWB00

Photocells
DART / GDARTSTDN0B00

Photocells slim
DART SLIM / GDARTSLMN0B00

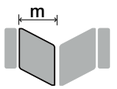
Adjustable photocells
DART ADJUSTABLE / GDARTADJN0B00

Signage table
AC 40 / GSAFETYTN0G00

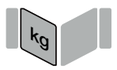
CONDOR 220 ONE KIT

ONE TECHNOLOGY

The kits contain all the parts and equipment you need to make set up and connection as easy as possible. Instruction manuals and technical information are available on our website at **www.comunello.com**. We also offer our service to provide expert technical support by phone. The actuator range is in compliance with CE directive (EMC, LVD, and R&TTE) and successive amendments.



2,2 m / 150 kg



250 kg / 1 m

ARTICLE	CODE	MOTOR CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
KIT CONDOR 220 ONE	GK1C220MLB000	CONDOR 200 24V ONE / G1C220MEL0B00 CONDOR 200 24V ONE SC / G1C220M1L0B00	Kit Condor One 24V for swing leaves	1 kit	19,6 kg	12

CONDOR 220 ONE KIT CONTENTS

CONDOR 220 ONE

2 MOTORS CONDOR 220 ONE

KEEP 2 RC

2 2ch. radio control unit

DART ONE

Photocells

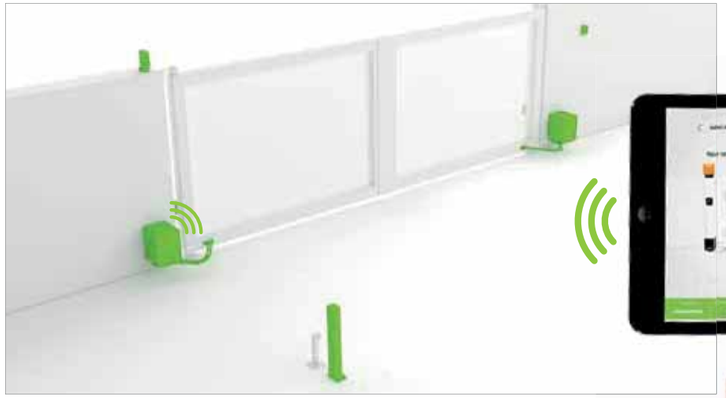
SWIFT Y ONE

Flashing signal lights

AC 40

Signage table

Setup with ONE technology needs wi-fi key K-ONE, not included in the kit



Tablet not included

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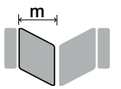
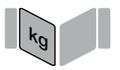
CONDOR 220 KIT

COMUNELLO AUTOMATION

The kits contain all the parts and equipment you need to make set up and connection as easy as possible. Instruction manuals and technical information are available on our website at **www.comunello.com**. We also offer our service to provide expert technical support by phone. The actuator range is in compliance with CE directive (EMC, LVD, and R&TTE) and successive amendments.



2,2 m / 150 kg



250 kg / 1 m

ARTICLE	CODE	MOTOR CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
KIT CONDOR 220 24V	GKCR220MLB000	CONDOR 220 24V FM / GCR220MCL0B00 CONDOR 220 24V FM SC / GCR220M0L0B00	Kit Condor 24V for swing leaves	1 kit	19,6 kg	16
KIT CONDOR 220 230V	GKCR220MHB000	CONDOR 220 230V FM / GCR220MCH0B00 CONDOR 220 230V FM SC / GCR220M0H0B00	Kit Condor 230V for swing leaves	1 kit	19,6 kg	16

CONDOR 220 KIT CONTENTS

CONDOR 220

2 MOTORS CONDOR 220

INDEX

Key operated switch

KEEP 2 RC

2 ch. radio control unit

DART

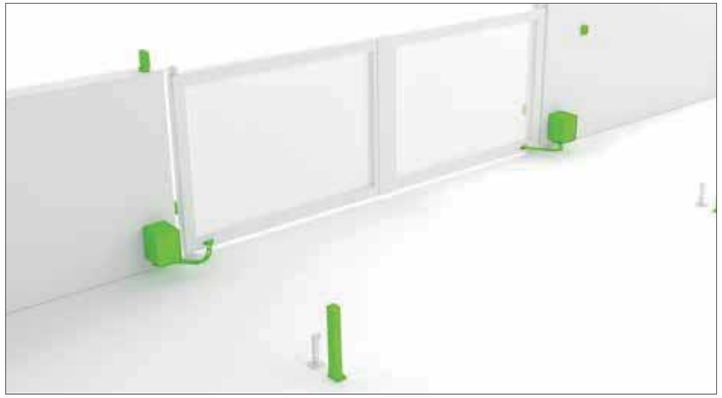
Photocells

SWIFT Y

Flashing signal lights

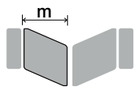
AC 40

Signage table

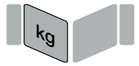


CONDOR 350 ONE

Actuators with articulated arms for swing for leaves up to3,5 m (Max leaf weight: 225 kg)
For 350 kg leaf weight, max leaf length is 1,5 m



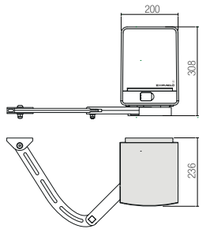
3,5 m / 225 kg

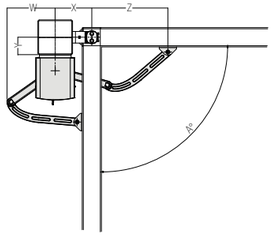


350 kg / 1,5 m

OPERATING LIMITS

ACCESSORIES INCLUDED





A°	X	Y	Z	W
90°	205	0	415	209
90°	190	50	415	135
90°	185	100	395	159,5
90°	170	150	372	278
110°	250	0	365	287

ONE TECHNOLOGY

ARTICLE	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
CONDOR 350 24V ONE	G1C350MEL0B00	24V built-in control board with mechanical stops and encoder	1 pcs.	12 kg	36
CONDOR 350 24V ONE SC	G1C350M1L0B00	24V without control board with mechanical stops and encoder	1 pcs.	12 kg	36

INSTALLATION CHART

1. **1 CONDOR 350 24V ONE** - G1C350MEL0B00
   24V built-in control board with mechanical stops and encoder
2. **1 CONDOR 350 24V SLAVE ONE** - G1C350M1L0B00
   24V without control board with mechanical stops and encoderr
3. **1 KEEP 2 RC** - GKEEP2STN0B00
   2 Channels rolling code Remote control
4. **2 MAST 50** - GMAST005N0G00
   Extruded aluminium column h 50 cm
5. **2 DART ONE** - G1DARTSTN0B00
   Photocells DART RX+TX ONE
6. **1 SWIFT ONE** - G1SWIFTSTYB00
   Flashing signal light
7. **1 INDEX ONE** - G1INDEXST0B00
   Key operated switch
8. **1 AC-51** - G1BATTERL0G00
   Battery kit

COMUNELLO AUTOMATION

TECHNICAL CHARACTERISTICS

Electrical information	CONDOR 350 ONE
Power supply	230 VAC 50 Hz
Operating power supply	24 VDC
Power consumption	150 W
Current input	6,5 A
Torque	200 Nm
Duty cycle	intensive use
Protection rating (IP)	IP44
Insulation class	2
Working temperature	-20°C / +50°C
Speed	0,10 rad/s
Weight	10 Kg

CONDOR 350 ONE

ACCESSORIES from page 184 a 185

Wi-fi key ONE can be used for all ONE settings (one key for one installer)

Wi-fi connection key
K-ONE / G1KEYWIFL0G00

Outdoor antenna
AC 30 / GANTENNAN0G00

Reversible longer articulated arm
AC 101 / GCR004BAN0G00

Slide arm
AC 108 / GCR008BAN0B00

CONTROL ACCESSORIES from page 208 a 243

Control unit
QUAD-1M-ONE / G1QUAD1ML0G00

Control unit
QUAD-2M-ONE / G1QUAD2ML0G00

Battery kit
AC 51 / G1BATTERL0G00

Horizontal 12V electric lock
AC 10 / GINDEXORM0G00

Vertical 12V electric lock
AC 20 / GINDEXVRM0G00

Key operated emergency release
AC 110 / GCR001SCN0G00

External cable release kit
AC 120 - 2,5 m / GCORD025N0B00
AC 130 - 9 m / GCORD090N0B00

Kit 5 Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Remote control, rolling code 2 ch.
KEEP 2 RC W / GKEEP2STN0W00
KEEP 2 RC B / GKEEP2STN0B00

Remote control, rolling code 4 ch.
KEEP 4 RC W / GKEEP4STN0W00
KEEP 4 RC B / GKEEP4STN0B00

Key operated switch bus
INDEX ONE / G1INDEXST0B00

Digital switch with keypad
TACT / GTACTSTDN0B00

SAFETY ACCESSORIES from page 244 a 251

Flashing signal light bus
SWIFT ONE YELLOW / G1SWIFTSTYB00
SWIFT ONE WHITE / G1SWIFTSTWB00

Photocells bus
DART ONE / G1DARTSTN0B00

Photocells bus slim
DART SLIM ONE / G1DARTSLN0B00

Adjustable photocells bus
DART ADJUSTABLE ONE
G1DARTADN0B00

Signage table
AC 40 / GSAFETYTN0G00

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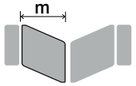
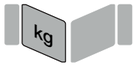
CONDOR 350

Actuators with articulated arms for swing for leaves up to3,5 m (Max leaf weight: 225 kg)
For 350 kg leaf weight, max leaf length is 1,5 m

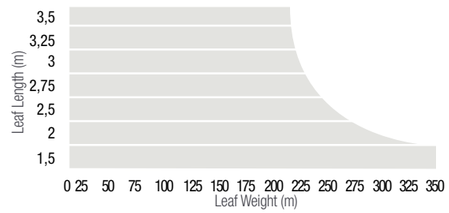


3,5 m / 225 kg

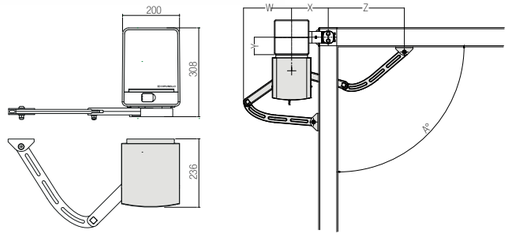


350 kg / 1,5 m

OPERATING LIMITS

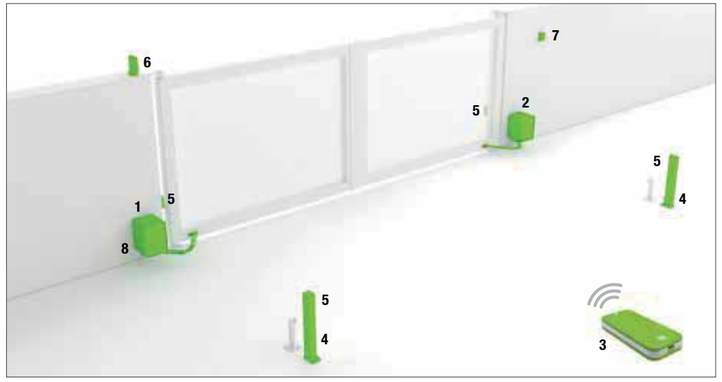


ACCESSORIES INCLUDED



A°	X	Y	Z	W
90°	205	0	415	209
90°	190	50	415	135
90°	185	100	395	159,5
90°	170	150	372	278
110°	250	0	365	287

ARTICLE	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
CONDOR 350 24V FE E	GCR350EEL0B00	24V built-in control board with electronic limit switches and encoder	1 pcs.	12 kg	36
CONDOR 350 24V FE E SC	GCR350E1L0B00	24V electronic limit switches with encoder without control board	1 pcs.	12 kg	36



INSTALLATION CHART

1 **1 CONDOR 350 24V FE E** - GCR350EEL0B00
24V built-in control board with electronic limit switches and encoder

2 **1 CONDOR 350 24V FE E SC** - GCR350E1L0B00
24V electronic limit switches with encoder without control board

3 **1 KEEP 2 RC** - GKEEP2STN0B00
2 Channels rolling code Remote control

4 **2 MAST 50** - GMAST005N0G00
Extruded aluminium column h 50 cm

5 **2 DART** - GDARTSTDN0B00
Photocells

6 **1 SWIFT** - GSWIFTSTLYB00
Flashing signal lights

7 **1 INDEX** - GINDEXSTN0B00
Key operated switch

8 **1 AC-50** - GBATTERYL0G00
Battery kit

COMUNELLO AUTOMATION

TECHNICAL CHARACTERISTICS

Electrical information	24V	230V
Power supply	230 VAC 50 Hz	230 VAC 50 Hz
Operating power supply	24 VDC	230 VAC
Power consumption	110 W	280 W
Current input	5 A	1,2 A
Torque	150 Nm	250 Nm
Duty cycle	50%	50%
Protection rating (IP)	IP44	IP44
Insulation class	2	1 (earthing)
Working temperature	-20°C / +50°C	-20°C / +50°C
Speed	0,10 rad/s	0,10 rad/s
Weight	10 Kg	10 Kg

CONDOR 350

ACCESSORIES from page 184 a 185

Outdoor antenna
AC 30 / GANTENNAN0G00

Reversible longer articulated arm
AC 101 / GCR004BAN0G00

Slide arm
AC 108 / GCR008BAN0B00

CONTROL ACCESSORIES from page 208 a 243

Control unit
QUAD-24V-HP / GQUADHP2L0G00

Control unit
QUAD-230V-HP / GQUADHP2H0G00

Battery kit
AC 50 / GBATTERYL0G00

Horizontal 12V electric lock
AC 10 / GINDEX0RM0G00

Vertical 12V electric lock
AC 20 / GINDEXVRM0G00

Key operated emergency release
AC 110 / GCR001SCN0G00

External cable release kit
AC 120 - 2,5 m / GCORD025N0B00
AC 130 - 9 m / GCORD090N0B00

Kit 5 Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Remote control, rolling code 2 ch.
KEEP 2 RC W / GKEEP2STN0W00
KEEP 2 RC B / GKEEP2STN0B00

Remote control, rolling code 4 ch.
KEEP 4 RC W / GKEEP4STN0W00
KEEP 4 RC B / GKEEP4STN0B00

Key operated switch
INDEX / GINDEXSTN0B00

Digital switch with keypad
TACT / GTACTSTDN0B00

SAFETY ACCESSORIES from page 244 a 251

Flashing signal lights
SWIFT YELLOW / GSWIFTSTLYB00
SWIFT WHITE / GSWIFTSTLWB00

Photocells
DART / GDARTSTDN0B00

Photocells slim
DART SLIM / GDARTSLMN0B00

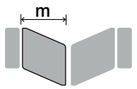
Adjustable photocells
DART ADJUSTABLE / GDARTADJN0B00

Signage table
AC 40 / GSAFETYTN0G00

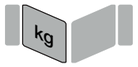
CONDOR 350 ONE KIT

ONE TECHNOLOGY

The kits contain all the parts and equipment you need to make set up and connection as easy as possible. Instruction manuals and technical information are available on our website at **www.comunello.com**. We also offer our service to provide expert technical support by phone. The actuator range is in compliance with CE directive (EMC, LVD, and R&TTE) and successive amendments.



3,5 m / 225 kg



350 kg / 1,5 m

ARTICLE	CODE	MOTOR CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
KIT CONDOR 350 ONE	GK1C350MLB000	CONDOR 350 24V ONE / G1C350MEL0B00 CONDOR 350 24V ONE SC / G1C350M1L0B00	Kit Condor One 24V for swing leaves	1 kit	19,6 kg	12

CONDOR 350 ONE KIT CONTENTS

CONDOR 350 ONE

2 MOTORI CONDOR 350 ONE

KEEP 2 RC

2 2ch. radio control unit

DART ONE

Photocells

SWIFT Y ONE

Flashing signal lights

AC 40

Signage table

Setup with ONE technology needs wi-fi key K-ONE, not included in the kit

Tablet not included

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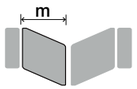
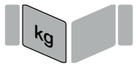
CONDOR 350 KIT

COMUNELLO AUTOMATION

The kits contain all the parts and equipment you need to make set up and connection as easy as possible. Instruction manuals and technical information are available on our website at **www.comunello.com**. We also offer our service to provide expert technical support by phone. The actuator range is in compliance with CE directive (EMC, LVD, and R&TTE) and successive amendments.



3,5 m / 225 kg



350 kg / 1,5 m

ARTICLE	CODE	MOTOR CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
KIT CONDOR 350 24V	GKCR350ELB000	CONDOR 350 24V FE E / GCR350EEL0B00 CONDOR 350 24V FE E SC/ GCR350E1L0B00	Kit Condor 24V for swing leaves	1 kit	19,6 kg	16

CONDOR 350 KIT CONTENTS

CONDOR 350

2 MOTORI CONDOR 350

INDEX

Key operated switch

KEEP 2 RC

2 ch. radio control unit

DART

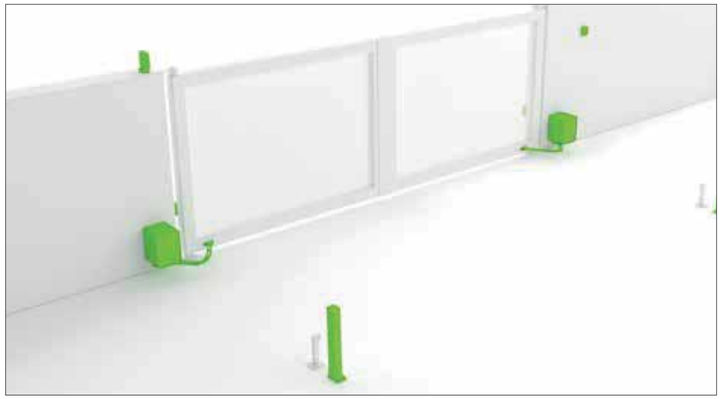
Photocells

SWIFT Y

Flashing signal lights

AC 40

Signage table



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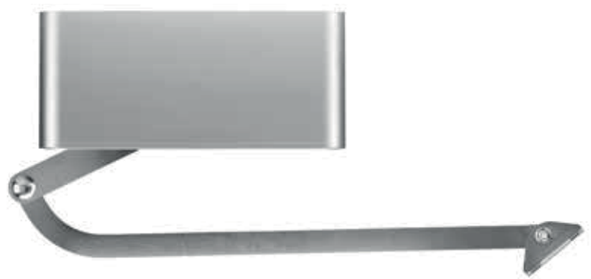
CONDOR 500

COMUNELLO AUTOMATION

Actuators with articulated arms for swing for leaves up to 5 m (Max leaf weight: 400 kg)
For 500 kg leaf weight, max leaf length is 3,25 m

LEFT OR RIGHT MOUNTING

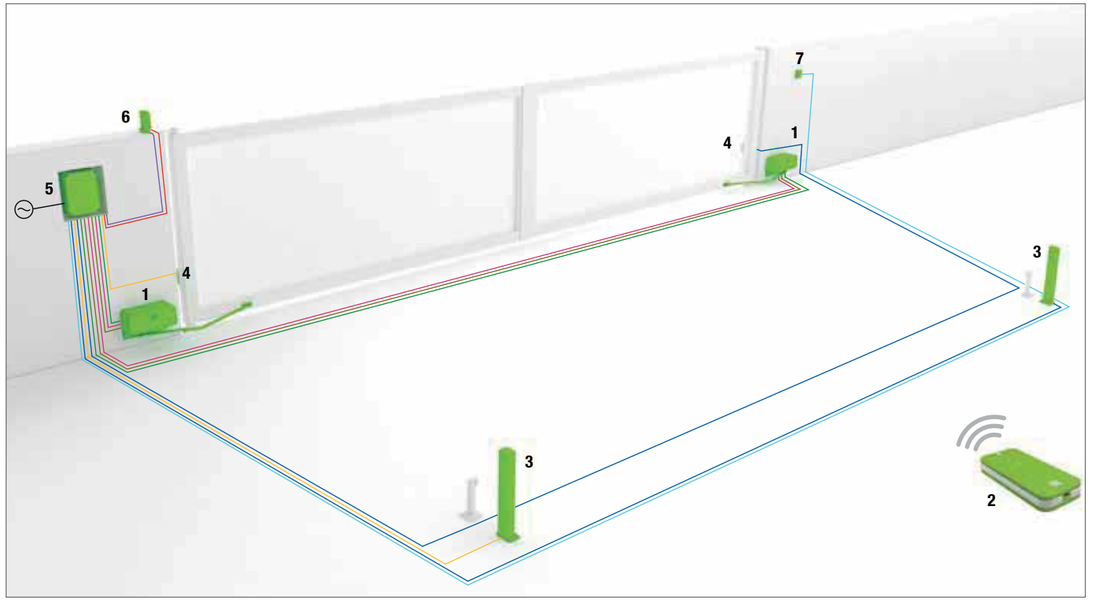


GENERAL INFORMATION

- **24 VDC and 230 VAC versions. Left or right mounting**
  Irreversible motors, 24 VDC & 230 VAC for Left or right mounting, complete with galvanised articulated arm
- **Durable and compact**
  Robust non-shearing steel arm. Transmission with metal gears. Compact
- **Safety and reliability**
  Key and lever-operated emergency release mechanism. Possibility of remote cable operation
- ***Built-in twin limit switch***
  Pre-cabled both for opening and closing
- **Easy to install, no welding necessary**
- **Available in kit form**

24 VDC 230 VAC KIT

INSTALLATION CHART



1 CONDOR 500
2 CONTROL RADIO
3 COLUMNS
4 PHOTOCELLS
5 CONTROL UNIT
6 FLASHING SIGNAL LIGHTS
7 KEY OPERATED SWITCH

24V	DESCRIPTION	Wire	Length (1 m / 20 m)	Length (20 m / 50 m)
	Power supply	FROR CEI 20-22 CEI EN 50267-2-1	2 x 1,5 mm²	2 x 2,5 mm²
	Operating power supply		2 x 2,5 mm²	2 x 4,0 mm²
	Flashing signal lights		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell TX		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell RX		4 x 0,5 mm²	4 x 1,0 mm²
	Key operated switch		3 x 0,5 mm²	3 x 1,0 mm²
	Limit switch		3 x 0,5 mm²	3 x 1,0 mm²
	Encoder		3 x 0,5 mm²	3 x 1,0 mm²
	Antenna	RG58	max 20 m	max 20 m

230V	DESCRIPTION	Wire	Length (1 m / 20 m)	Length (20 m / 50 m)
	Power supply	FROR CEI 20-22 CEI EN 50267-2-1	3G x 1,5 mm²	3G x 2,5 mm²
	Operating power supply		4G x 1,5 mm²	4G x 2,5 mm²
	Flashing signal lights		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell TX		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell RX		4 x 0,5 mm²	4 x 1,0 mm²
	Key operated switch		3 x 0,5 mm²	3 x 1,0 mm²
	Limit switch		3 x 0,5 mm²	3 x 1,0 mm²
	Encoder		3 x 0,5 mm²	3 x 1,0 mm²
	Antenna	RG58	max 20 m	max 20 m

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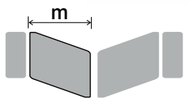
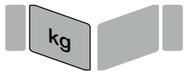
CONDOR 500 ONE

Actuators with articulated arms for swing for leaves up to 5 m (Max leaf weight: 400 kg)
For 500 kg leaf weight, max leaf length is 3,25 m

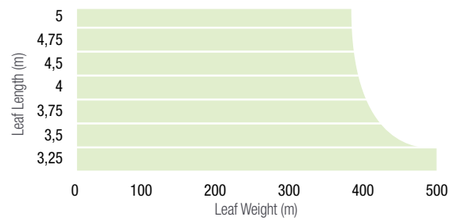


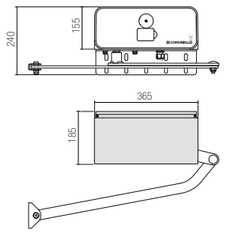
5 m / 400 kg

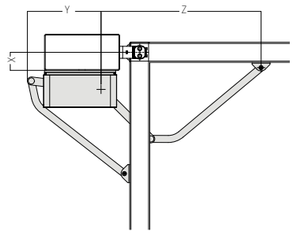


500 kg / 3,25 m

OPERATING LIMITS







X	Z	Y
50	554	535
100	555	635
150	555	535
200	555	690

ACCESSORIES INCLUDED

ONE TECHNOLOGY

ARTICLE	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
CONDOR 500 24V ONE	G1C500M1L0B00	24V without control board.Mechanical stops and encoder	1 pcs.	12 kg	36

INSTALLATION CHART

1	**2 CONDOR 500 24V ONE** - G1C500M1L0B00 24V without control board.Mechanical stops and encoder
2	**1 QUAD 2M ONE** - G1QUAD2ML0G00 Control unit for 2 motors 24V Basic
3	**1 KEEP 2 RC** - GKEEP2STN0B00 2 Channels rolling code Remote control
4	**2 MAST 50** - GMAST005N0G00 Extruded aluminium column h 50 cm
5	**2 DART ONE** - G1DARTSTN0B00 Photocells DART RX+TX ONE
6	**1 SWIFT ONE** - G1SWIFTSTYB00 Flashing signal light
7	**1 INDEX ONE** - G1INDEXST0B00 Key operated switch
8	**1 AC-51** - G1BATTERL0G00 Battery kit
9	**2 AC-100** - GCR001BAN0G00 Reversible longer articulated arm

COMUNELLO AUTOMATION

TECHNICAL CHARACTERISTICS

Electrical information	CONDOR 500 ONE
Operating power supply	24 VDC
Power consumption	150 W
Current input	6,5 A
Torque	330 Nm
Duty cycle	intensive use
Protection rating (IP)	IP44
Insulation class	2
Working temperature	-20°C / +50°C
Speed	0,15 rad/sec
Weight	8,8 Kg

CONDOR 500 ONE

ACCESSORIES from page 184 a 185

Wi-fi key ONE can be used for all ONE settings (one key for one installer)

Wi-fi connection key
K-ONE / G1KEYWIFL0G00

Outdoor antenna
AC 30 / GANTENNAN0G00

Reversible longer articulated arm
AC 100 / GCR001BAN0G00

Slide arm
AC 108 / GCR008BAN0B00

Reversible coated locking arm
AC 102 / GCR001BAN0B00

CONTROL ACCESSORIES from page 208 a 243

Control unit
QUAD-1M-ONE / G1QUAD1ML0G00

Control unit
QUAD-2M-ONE / G1QUAD2ML0G00

Battery kit
AC 51 / G1BATTERL0G00

Horizontal 12V electric lock
AC 10 / GINDEX0RM0G00

Vertical 12V electric lock
AC 20 / GINDEXVRM0G00

Key operated emergency release
AC 110 / GCR001SCN0G00

External cable release kit
AC 120 - 2,5 m / GCORD025N0B00
AC 130 - 9 m / GCORD090N0B00

Kit 5 Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Remote control, rolling code 2 ch.
KEEP 2 RC W / GKEEP2STN0W00
KEEP 2 RC B / GKEEP2STN0B00

Remote control, rolling code 4 ch.
KEEP 4 RC W / GKEEP4STN0W00
KEEP 4 RC B / GKEEP4STN0B00

Key operated switch bus
INDEX ONE / G1INDEXST0B00

Digital switch with keypad
TACT / GTACTSTDN0B00

SAFETY ACCESSORIES from page 244 a 251

Flashing signal light bus
SWIFT ONE YELLOW / G1SWIFTSTYB00
SWIFT ONE WHITE / G1SWIFTSTWB00

Photocells bus
DART ONE / G1DARTSTN0B00

Photocells bus slim
DART SLIM ONE / G1DARTSLN0B00

Adjustable photocells bus
DART ADJUSTABLE ONE
G1DARTADN0B00

Signage table
AC 40 / GSAFETYTN0G00

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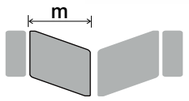
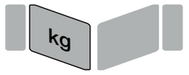
CONDOR 500

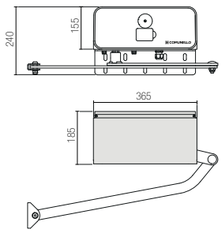
Actuators with articulated arms for swing for leaves up to5 m (Max leaf weight: 400 kg)
For 500 kg leaf weight, max leaf length is 3,25 m

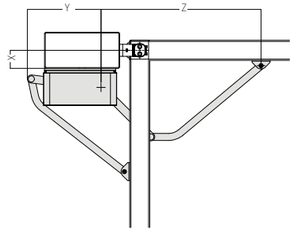


5 m / 400 kg



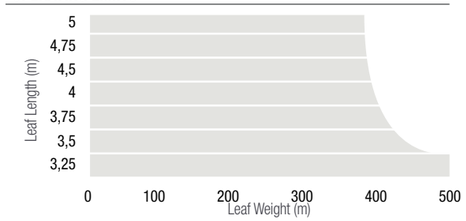
500 kg / 3,25 m





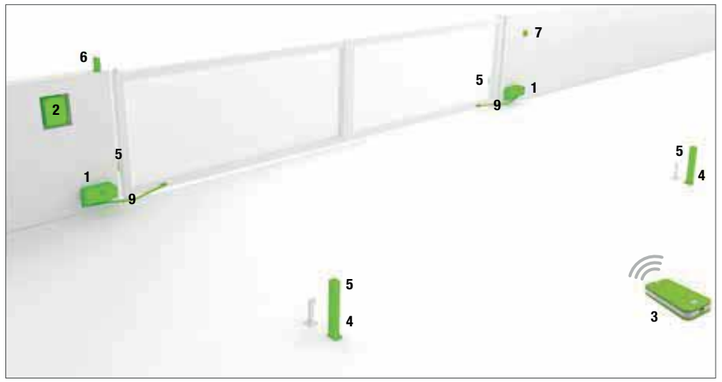
X	Z	Y
50	554	535
100	555	635
150	555	535
200	555	690

OPERATING LIMITS



ACCESSORIES INCLUDED

ARTICLE	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
CONDOR 500 24V FE	GCR500E0L0B00	24V Electronic limit switches without control board	1 pcs.	12 kg	60
CONDOR 500 230V FE	GCR500E0H0B00	230V Electronic limit switches without control board	1 pcs.	12 kg	60



INSTALLATION CHART

1	**2 CONDOR 500 24V FE** - GCR500E0L0B00 24V Electronic limit switches without control board
2	**1 QUAD 24V HP** - GQUADHP2L0G00 Control unit for 1/2 motorsi 24V HP
3	**1 KEEP 2 RC** - GKEEP2STN0B00 2 Channels rolling code Remote control
4	**2 MAST 50** - GMAST005N0G00 Extruded aluminium column h 50 cm
5	**2 DART** - GDARTSTDN0B00 Photocells
6	**1 SWIFT** - GSWIFTSTLYB00 Flashing signal lights
7	**1 INDEX** - GINDEXSTN0B00 Key operated switch
8	**1 AC-50** - GBATTERYL0G00 Battery kit
9	**2 AC-100** - GCR001BAN0G00 Reversible longer articulated arm

COMUNELLO AUTOMATION

TECHNICAL CHARACTERISTICS

Electrical information	24V	230V
Operating power supply	24 VDC	230 VAC 50 Hz
Power consumption	150 W	280 W
Current input	6,5 A	1,2 A
Torque	330 Nm	440 Nm
Duty cycle	intensive use	50%
Protection rating (IP)	IP44	IP44
Insulation class	2	1(earthing)
Working temperature	-20°C / +50°C	-20°C / +50°C
Speed	0,15 rad/sec	0,1 rad/sec
Weight	8,8 Kg	11,3 Kg

CONDOR 500

ACCESSORIES from page 184 a 185

Outdoor antenna
AC 30 / GANTENNAN0G00

Reversible longer articulated arm
AC 100 / GCR001BAN0G00

Slide arm
AC 108 / GCR008BAN0B00

Reversible coated locking arm
AC 102 / GCR001BAN0B00

CONTROL ACCESSORIES from page 208 a 243

Control unit
QUAD-24V-HP / GQUADHP2L0G00

Control unit
QUAD-230V-HP / GQUADHP2H0G00

Battery kit
AC 50 / GBATTERYL0G00

Horizontal 12V electric lock
AC 10 / GINDEX0RM0G00

Vertical 12V electric lock
AC 20 / GINDEXVRM0G00

Key operated emergency release
AC 110 / GCR001SCN0G00

External cable release kit
AC 120 - 2,5 m / GCORD025N0B00
AC 130 - 9 m / GCORD090N0B00

Kit 5 Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Remote control, rolling code 2 ch.
KEEP 2 RC W / GKEEP2STN0W00
KEEP 2 RC B / GKEEP2STN0B00

Remote control, rolling code 4 ch.
KEEP 4 RC W / GKEEP4STN0W00
KEEP 4 RC B / GKEEP4STN0B00

Key operated switch
INDEX / GINDEXSTN0B00

Digital switch with keypad
TACT / GTACTSTDN0B00

SAFETY ACCESSORIES from page 244 a 251

Flashing signal lights
SWIFT YELLOW / GSWIFTSTLYB00
SWIFT WHITE / GSWIFTSTLWB00

Photocells
DART / GDARTSTDN0B00

Photocells slim
DART SLIM / GDARTSLMN0B00

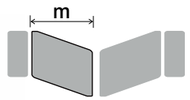
Adjustable photocells
DART ADJUSTABLE / GDARTADJN0B00

Signage table
AC 40 / GSAFETYTN0G00

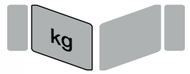
CONDOR 500 ONE KIT

ONE TECHNOLOGY

The kits contain all the parts and equipment you need to make set up and connection as easy as possible. Instruction manuals and technical information are available on our website at **www.comunello.com**. We also offer our service to provide expert technical support by phone. The actuator range is in compliance with CE directive (EMC, LVD, and R&TTE) and successive amendments.



5 m / 400 kg



500 kg / 3,25 m

ARTICLE	CODE	MOTOR CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
KIT CONDOR 500 ONE	GK1C500MLB000	CONDOR 500 24V ONE / G1C500M1L0B00	Kit Condor One 24V for swing leaves	1 kit	19,6 kg	12

CONDOR 500 ONE KIT CONTENTS

CONDOR 500 ONE

2 MOTORI CONDOR 500 ONE

QUAD ONE 24V 2M

2 2ch. radio control unit

KEEP 2 RC

DART ONE

Photocells

SWIFT Y ONE

Flashing signal lights

AC 100

Reversible longer articulated arm, 2pcs

AC 40

Signage table

Setup with ONE technology needs wi-fi key K-ONE, not included in the kit

Tablet not included

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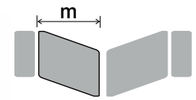
CONDOR 500 KIT

COMUNELLO AUTOMATION

The kits contain all the parts and equipment you need to make set up and connection as easy as possible. Instruction manuals and technical information are available on our website at **www.comunello.com**. We also offer our service to provide expert technical support by phone. The actuator range is in compliance with CE directive (EMC, LVD, and R&TTE) and successive amendments.



5 m / 400 kg

500 kg / 3,25 m

ARTICLE	CODE	MOTOR CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
KIT CONDOR 500 24V	GKCR500ELB000	CONDOR 500 24V FE / GCR500EOL0B00	Kit Condor 24V for swing leaves	1 kit	19,6 kg	16
KIT CONDOR 500 230V	GKCR500EHB000	CONDOR 500 230V FE / GCR500EOH0B00	Kit Condor 230V for swing leaves	1 kit	19,6 kg	16

CONDOR 500 KIT CONTENTS

CONDOR 500

2 MOTORI CONDOR 500

QUAD 24V HP / QUAD 230V HP

Control unit

INDEX

Key operated switch

KEEP 2 RC

2 ch. radio control unit

DART

Photocells

SWIFT Y

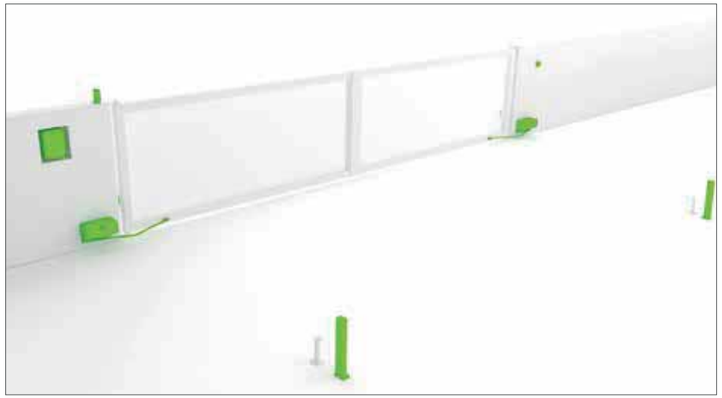
Flashing signal lights

AC 100

Reversible longer articulated arm, 2pcs

AC 40

Signage table



RAM 220 / 300 / 500

Telescopic reversible rod actuators for swing leaves up to 2,2 m, 3 m and 5 m:

Reversible electromechanical actuator with telescopic rod

Ram is a line of telescopic actuators for swing gates with leaves up to 5 m. Built to last using the highest quality mechanical components, these actuators provide optimum performance in all weathers. A simple, secure emergency release lever guarantees elevated levels of safety and reliability. The use of standard screw-fixed support brackets make these actuators extremely easy to install.

LEFT OR RIGHT MOUNTING

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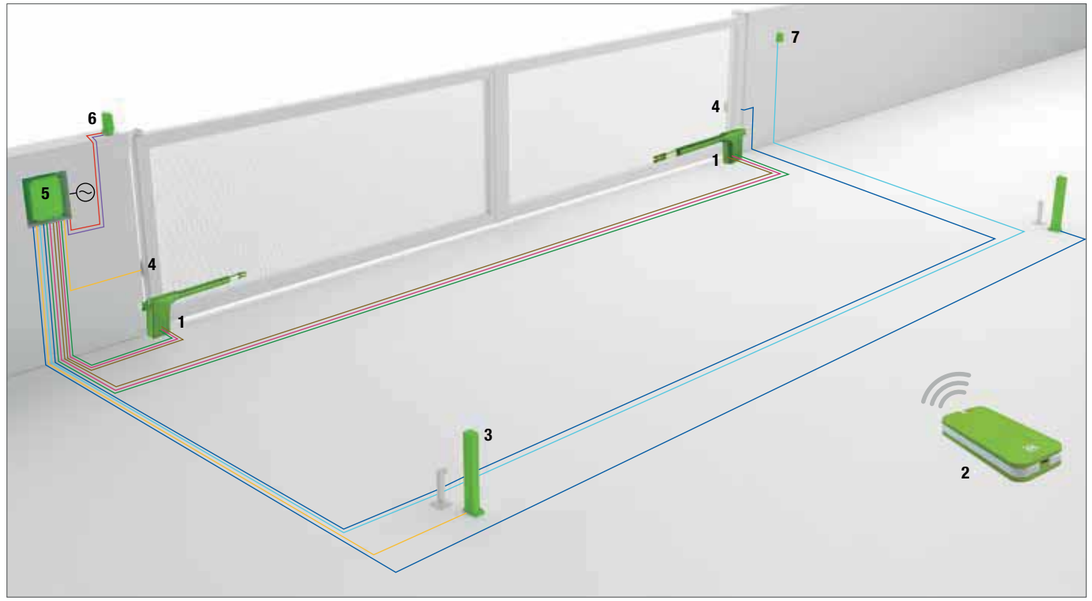
COMUNELLO AUTOMATION

GENERAL INFORMATION

- **24 VDC and 230 VAC versions. Left or right mounting**
  Irreversible motors, 24 VDC & 230 VAC for Left or right mounting
- **Durable**
  With durable moving parts. Epoxy coated diecast aluminium casing. Bronze gearings available
- **Safety and reliability**
  Lever-operated emergency release mechanism
- **Rapid installation**
  From standard screw-on mounting brackets
- **Reversible**
- **Available in kit form**

110 VAC ON DEMAND | 24 VDC | 230 VAC | KIT

INSTALLATION CHART



1 RAM 220 / 300
2 CONTROL RADIO
3 COLUMNS
4 PHOTOCELLS
5 CONTROL UNIT
6 FLASHING SIGNAL LIGHTS
7 SWITCH

24V	DESCRIPTION	Wire	Length (1 m / 20 m)	Length (20 m / 50 m)
	Power supply	FROR CEI 20-22 CEI EN 50267-2-1	2 x 1,5 mm²	2 x 2,5 mm²
	Operating power supply		2 x 2,5 mm²	2 x 4,0 mm²
	Flashing signal lights		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell TX		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell RX		4 x 0,5 mm²	4 x 1,0 mm²
	Key operated switch		3 x 0,5 mm²	3 x 1,0 mm²
	Limit switch		3 x 0,5 mm²	3 x 1,0 mm²
	Encoder		3 x 0,5 mm²	3 x 1,0 mm²
	Antenna	RG58	max 20 m	max 20 m

230V	DESCRIPTION	Wire	Length (1 m / 20 m)	Length (20 m / 50 m)
	Power supply	FROR CEI 20-22 CEI EN 50267-2-1	3G x 1,5 mm²	3G x 2,5 mm²
	Operating power supply		4G x 1,5 mm²	4G x 2,5 mm²
	Flashing signal lights		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell TX		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell RX		4 x 0,5 mm²	4 x 1,0 mm²
	Key operated switch		3 x 0,5 mm²	3 x 1,0 mm²
	Limit switch		3 x 0,5 mm²	3 x 1,0 mm²
	Encoder		3 x 0,5 mm²	3 x 1,0 mm²
	Antenna	RG58	max 20 m	max 20 m

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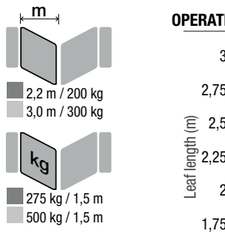
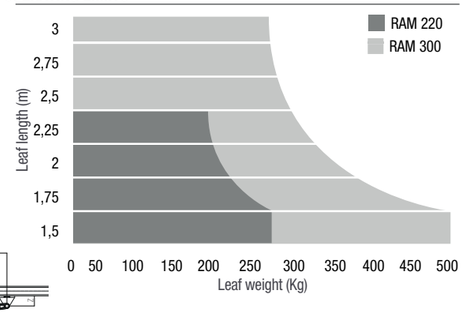
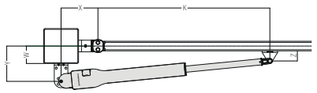
RAM 220 / 300

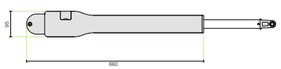
Telescopic reversible rod actuators for swing leaves up to 2,2 m and 3 m

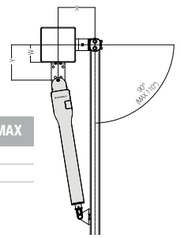


OPERATING LIMITS







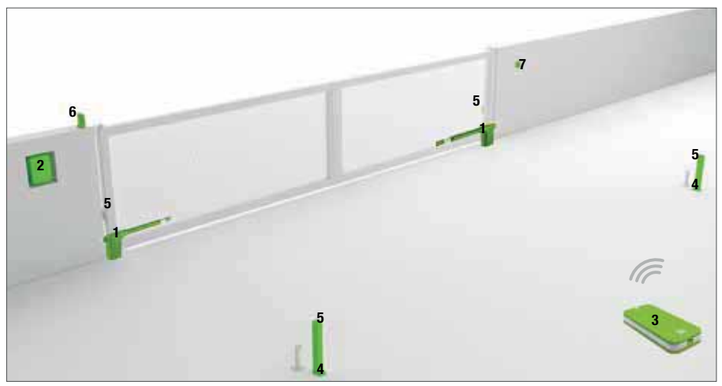


MAX OPENING	X	Y	Z	K 220/300	K 500	WMAX
110°	150	152	77	925	1075	50
90°	170	182	77	885	1035	50

Accessories included:

RTICOLO	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
RAM 220 24V	RM220 24V	24V for swing leaves up to 2,2 m	2 pcs.	14 kg	16
RAM 300 24V	RM300 24V	24V for swing leaves up to 3 m	2 pcs.	15,6 kg	16
RAM 300 230V	RM300 230V	230V for swing leaves up to 3 m	2 pcs.	16,6 kg	16

110 VAC Power supply version on demand



INSTALLATION CHART

1. **2 RAM 220 24V** - GRM22000L0B00
   Telescopic rod actuators 24V
2. **1 QUAD 24V 2M** - GQUADST2L0G00
   Control unit for 2 motors 24V basic
3. **1 KEEP 2 RC** - GKEEP2STN0B00
   2 Channels rolling code Remote control
4. **2 MAST 50** - GMAST005N0G00
   Extruded aluminium column h 50 cm
5. **2 DART** - GDARTSTDN0B00
   Photocells
6. **1 SWIFT** - GSWIFTSTLYB00
   Flashing signal lights
7. **1 INDEX** - GINDEXSTN0B00
   Key operated switch
8. **1 AC-50** - GBATTERYL0G00
   Battery kit

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COMUNELLO AUTOMATION

TECHNICAL CHARACTERISTICS

Electrical information	RAM 220 24V	RAM 300 24 V	RAM 300 230 V
Power supply	24 VDC	24 VDC	230 VAC
Power consumption	70 W	110 W	280 W
Current input	3 A	5 A	1,2 A
Maximum thrust	1500 N	2000 N	1800 N
Nominal thrust	500 N	600 N	700 N
Duty cycle	30%	intensive use	40%
Protection rating (IP)	IP44	IP44	IP44
Insulation class	3 (SELV)	3 (SELV)	1 (earthing)
Working temperature	-20°C / +50°C	-20°C / +50°C	-20°C / +50°C
Speed	18 mm/s	21 mm/s	16 mm/s
Weight	7 Kg	7,8 Kg	8,3 Kg

RAM 220 / 300

ACCESSORIES from page 184

Outdoor antenna
AC 30 / GANTENNANOG00

CONTROL ACCESSORIES from page 208 a 243

Control unit
QUAD-24V-1M / GQUADST1L0G00
QUAD-230V-1M / GQUADST1H0G00

Control unit
QUAD-24V-2M / GQUADST2L0G00
QUAD-230V-2M / GQUADST2H0G00

Battery kit
AC 50 / GBATTERYL0G00

Horizontal 12V electric lock
AC 10 / GINDEXORM0G00

Vertical 12V electric lock
AC 20 / GINDEXVRM0G00

Kit 5 Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Remote control, rolling code 2 ch.
KEEP 2 RC W / GKEEP2STN0W00
KEEP 2 RC B / GKEEP2STN0B00

Remote control, rolling code 4 ch.
KEEP 4 RC W / GKEEP4STN0W00
KEEP 4 RC B / GKEEP4STN0B00

Key operated switch
INDEX / GINDEXSTN0B00

Digital switch with keypad
TACT / GTACTSTDN0B00

SAFETY ACCESSORIES from page 244 a 251

Flashing signal light
SWIFT YELLOW / GSWIFTSTLYB00
SWIFT WHITE / GSWIFTSTLWB00

Photocells
DART / GDARTSTDN0B00

Photocells slim
DART SLIM / GDARTSLMN0B00

Adjustable photocells
DART ADJUSTABLE / GDARTADJN0B00

Signage table
AC 40 / GSAFETYTN0G00

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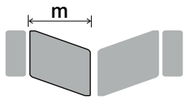
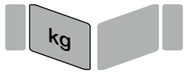
RAM 500

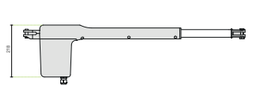
Telescopic reversible rod actuators for swing leaves up to 5 m
For 500 kg leaf weight, max leaf length is 2,00 m

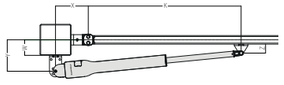


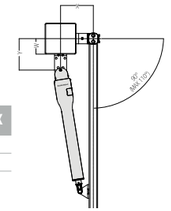
5 m / 200 kg



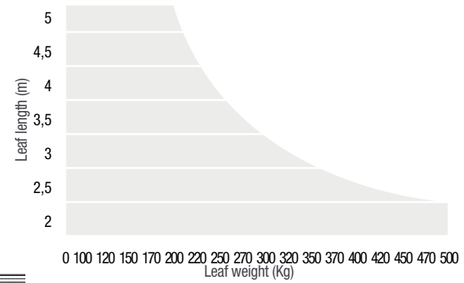
500 kg / 2 m







OPERATING LIMITS

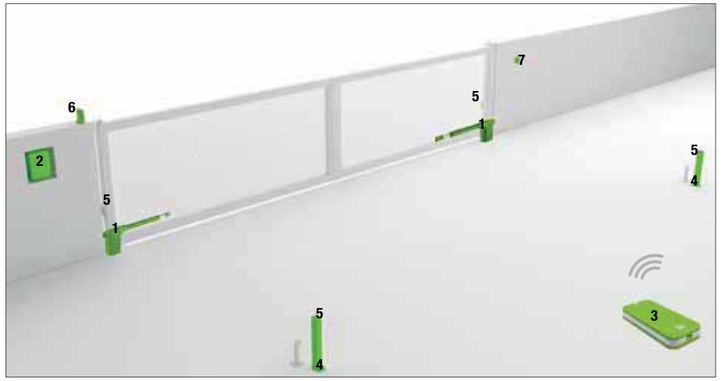


MAX OPENING	X	Y	Z	K 220/300	K 500	WMAX
110°	170	110	40	820	970	50
90°	170	110	40	880	1003	50

Accessories included:

RTICOLO	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
RAM 500 24V	GRM50000L0B00	24V for swing leaves up to 5 m	2 pcs.	17,6 kg	16
RAM 500 230V	GRM50000H0B00	230V for swing leaves up to 5 m	2 pcs.	18,6 kg	16

110 VAC Power supply version on demand



INSTALLATION CHART

1. **2 RAM 500 24V** - GRM50000L0B00
   Telescopic rod actuators 24V
2. **1 QUAD 24V 2M** - GQUADST2L0G00
   Control unit for 2 motors 24V basic
3. **1 KEEP 2 RC** - GKEEP2STN0B00
   2 Channels rolling code Remote control
4. **2 MAST 50** - GMAST005N0G00
   Extruded aluminium column h 50 cm
5. **2 DART** - GDARTSTDN0B00
   Photocells
6. **1 SWIFT** - GSWIFTSTLYB00
   Flashing signal lights
7. **1 INDEX** - GINDEXSTN0B00
   Key operated switch
8. **1 AC-50** - GBATTERYL0G00
   Battery kit

COMUNELLO AUTOMATION

TECHNICAL CHARACTERISTICS

Electrical information	RAM500 24V	RAM500 230V
Operating power supply	24 VDC	230 VAC
Power consumption	110 W	280 W
Current input	5 A	1,2 A
Maximum thrust	1800 N	2000 N
Nominal thrust	600 N	700 N
Duty cycle	intensive use	30%
Protection rating (IP)	IP44	IP44
Insulation class	3 (SELV)	1 (earthing)
Working temperature	-20°C / +50°C	-20°C / +50°C
Speed	22 mm/s	15 mm/s
Weight	8,8 Kg	9,3 Kg

RAM 500

ACCESSORIES from page 184

Outdoor antenna
AC 30 / GANTENNANOG00

CONTROL ACCESSORIES from page 208 a 243

Control unit
QUAD-24V-HP / GQUADHP2L0G00
QUAD-230V-HP / GQUADHP2HOG00

Control unit
QUAD-24V-1M / GQUADST1L0G00
QUAD-230V-1M / GQUADST1HOG00

Control unit
QUAD-24V-2M / GQUADST2L0G00
QUAD-230V-2M / GQUADST2HOG00

Battery kit
AC 50 / GBATTERYL0G00

Horizontal 12V electric lock
AC 10 / GINDEXORM0G00

Vertical 12V electric lock
AC 20 / GINDEXVRM0G00

Kit 5 Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Remote control, rolling code 2 ch.
KEEP 2 RC W / GKEEP2STN0W00
KEEP 2 RC B / GKEEP2STN0B00

Remote control, rolling code 4 ch.
KEEP 4 RC W / GKEEP4STN0W00
KEEP 4 RC B / GKEEP4STN0B00

Key operated switch
INDEX / GINDEXSTN0B00

Digital switch with keypad
TACT / GTACTSTDN0B00

SAFETY ACCESSORIES from page 244 a 251

Flashing signal light
SWIFT YELLOW / GSWIFTSTLYB00
SWIFT WHITE / GSWIFTSTLWB00

Photocells
DART / GDARTSTDN0B00

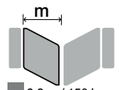
Photocells slim
DART SLIM / GDARTSLMN0B00

Adjustable photocells
DART ADJUSTABLE / GDARTADJN0B00

Signage table
AC 40 / GSAFETYTN0G00

RAM 220 / 300 KIT

RAM 220
RAM 300



2,2 m / 150 kg
3,0 m / 300 kg

250 kg / 1 m
500 kg / 1,5 m

The kits contain all the parts and equipment you need to make set up and connection as easy as possible. Instruction manuals and technical information are available on our website at **www.comunello.com**. We also offer our service to provide expert technical support by phone. The actuator range is in compliance with CE directive (EMC, LVD, and R&TTE) and successive amendments..

ARTICLE	CODE	MOTOR CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
KIT RAM 220 24V	KRM220-24V	RAM 220 24V / GKRM2200LB000	Kit Ram for swing leaves up to 2,2m 24V	1 kit	18,3 kg	16
KIT RAM 300 24V	KRM300-24V	RAM 300 24V / GKRM3000LB000	Kit Ram for swing leaves up to 3m 24V	1 kit	19,9 kg	16
KIT RAM 300 230V	KRM300-230V	RAM 300 230V / GKRM3000HB000	Kit Ram for swing leaves up to 3m 230V	1 kit	19,4 kg	16

RAM 220 / 300 KIT CONTENTS

RAM 220 / 300

2 MOTORS RAM 220 / 300

QUAD 24V 2M / QUAD 230V 2M

Control unit

INDEX

Key operated switch

KEEP 2 RC

2 ch. radio control unit

DART

Photocells

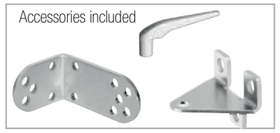
SWIFT-Y

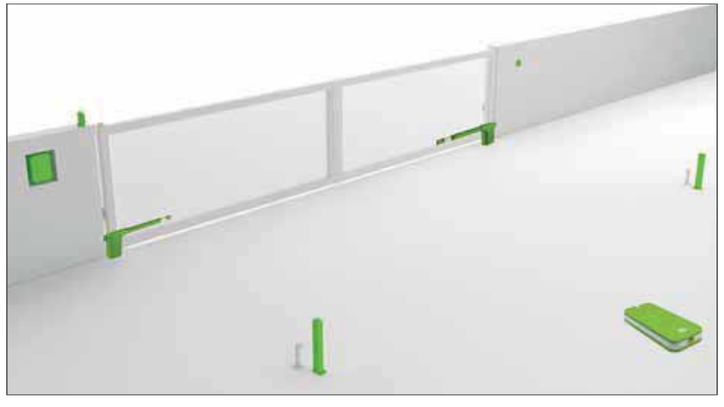
Flashing signal lights

AC 40

Signage table

Accessories included





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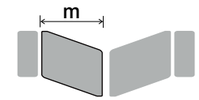
RAM 500 KIT

COMUNELLO AUTOMATION



5 m / 400 kg

500 kg / 3,25 m

The kits contain all the parts and equipment you need to make set up and connection as easy as possible. Instruction manuals and technical information are available on our website at **www.comunello.com**. We also offer our service to provide expert technical support by phone. The actuator range is in compliance with CE directive (EMC, LVD, and R&TTE) and successive amendments..

ARTICLE	CODE	MOTOR CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
KIT RAM 500 24V	KRM500-24V	RAM 500 24V / GKRM5000LB000	Kit Ram for swing leaves up to 5m 24V	1 kit	21,9 kg	9
KIT RAM 500 230V	KRM500-230V	RAM 500 230V / GKRM5000HB000	Kit Ram for swing leaves up to 5m 230V	1 kit	21,4 kg	9

RAM 500 KIT CONTENTS

RAM 500

2 MOTORS RAM 5 00

QUAD 24V 2M / QUAD 230V 2M

Control unit

INDEX

Key operated switch

KEEP 2 RC

2 ch. radio control unit

DART

Photocells

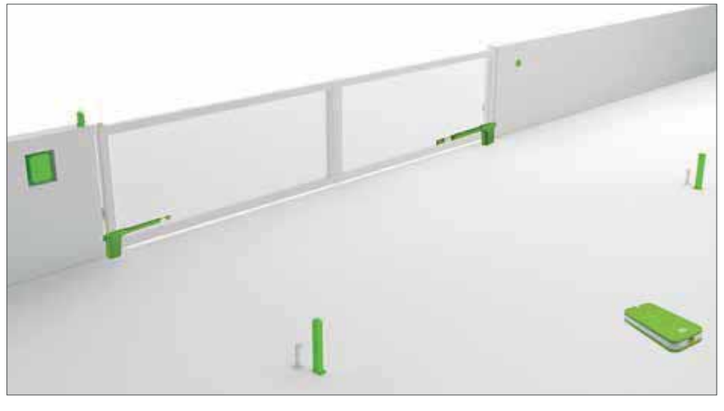
SWIFT-Y

Flashing signal lights

AC 40

Signage table

Accessories included



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COMUNELLO
AUTOMATION

2 Sliding and cantilever gates

FORT 400 / 500 100

FORT 600/700/1000/1500 108

FORT DUAL 1000 116

FORT 3500 120

Selection guide by model

COMUNELLO AUTOMATION

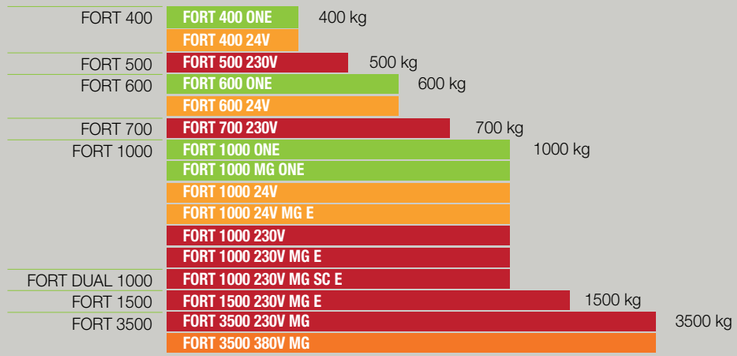
FORT

Sliding gates **up to 400 kg** per leaf	FORT 400	24 VDC	Mechanical stops	P. 102	FORT 400 ONE	P. 106 KIT FORT 400 ONE
			Mechanical stops	P. 104	FORT 400 24V	P. 107 KIT FORT 400 24V
Sliding gates **up to 500 kg** per leaf	FORT 500	230 VAC	Mechanical stops	P. 104	FORT 500 230V	P. 107 KIT FORT 500 230V
Sliding gates **up to 600 kg** per leaf	FORT 600	24 VDC	Mechanical stops	P. 110	FORT 600 ONE	P. 114 KIT FORT 600 ONE
			Mechanical stops	P. 112	FORT 600 24V	P. 115 KIT FORT 600 24V
Sliding gates **up to 700 kg** per leaf	FORT 700	230 VAC	Mechanical stops	P. 112	FORT 700 230V	P. 115 KIT FORT 700 230V
Sliding gates **up to 1000 kg** per leaf	FORT 1000	24 VDC	Mechanical stops	P. 110	FORT 1000 ONE	P. 114 KIT FORT 1000 ONE
			Magnetic stopsi	P. 110	FORT 1000 MG ONE	P. 114 KIT FORT 1000 MG ONE
			Mechanical stops	P. 112	FORT 1000 24V	
			Magnetic stops with encoder	P. 112	FORT 1000 24V MG E	P. 115 KIT FORT 1000 24V MG E
		230 VAC	Mechanical stops	P. 112	FORT 1000 230V	P. 115 KIT FORT 1000 230V
			*M*agnetic stops with encoder	P. 112	FORT 1000 230V MG E	
Sliding gates **up to 1500 kg** per leaf	FORT 1500	230 VAC	Magnetic stops with encoder	P. 112	FORT 1500 230V MG E	
Sliding gates **up to 1000 kg** per leaf	FORT DUAL 1000	230 VAC	Magnetic stops with encoder	P. 116	FORT DUAL 1000 230V	P. 118 KIT FORT DUAL 1000 230V

FORT

Sliding gates **up to 3500 kg** per leaf	FORT 3500	230 VAC	Magnetic stops	P. 122	FORT 3500 230V MG
		380 VAC	Magnetic stops	P. 122	FORT 3500 380V MG

Selection guide by weight



24 VDC 230 VAC 380 VAC

Dimensions refer to Weight

FORT 400 / 500

Electromechanical actuators for residential sliding gates up to 400 and 500 Kg

Electromechanical actuators for residential and industrial sliding gates

In residential and industrial contexts actuators from the Fort series provide an attractive and intelligent solution. The on-board control panel provides access to a vast range of features including obstacle detection and programmable operation times. The receiver is built in to the control panel. The motor support bushings guarantee silent movement even under full load.

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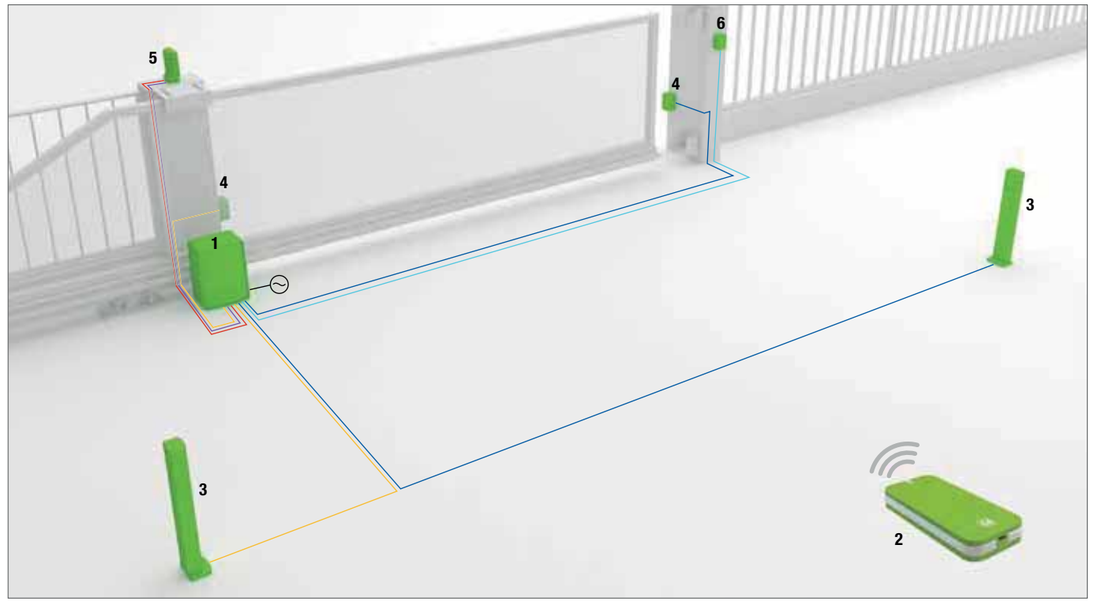
COMUNELLO AUTOMATION

GENERAL INFORMATION

- 24 VDC and 230 VAC versions.
  24 VDC and 230 VAC irreversible motors
- *Durability*
  Easy-opening release mechanism with aluminium handle. Practical, functional support and electronics casing. Versions with bronze gearings are available
- Versions with lever available.
- Smart
  Height and plane adjustable. Obstacle detection. Automatic programmable timer with built-in receiver. Silent with dampened motorreductor
- Available in kit form
- Control board
  Electronic control unit prewired. Trimmer adjustments for easy reading. Programmable automatic / semi-automatic limit switch, timer and reduced speeds. Built-in receiver.

24 VDC 230 VAC KIT

INSTALLATION CHART



1 FORT 400 / 500
2 *CONTROL RADIO*
3 *COLUMNS*
4 *PHOTOCELLS*
5 *SIGNAL LIGHT*
6 *SWITCH*

24V	DESCRIPTION	Wire	Length (1 m / 20 m)	Length (20 m / 50 m)
	Power supply	FROR CEI 20-22 CEI EN 50267-2-1	2 x 1,5 mm²	2 x 2,5 mm²
	Flashing signal lights		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell TX		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell RX		4 x 0,5 mm²	4 x 1,0 mm²
	Key operated switch		3 x 0,5 mm²	3 x 1,0 mm²
	Antenna	RG58	max 20 m	max 20 m

230V	DESCRIPTION	Wire	Length (1 m / 20 m)	Length (20 m / 50 m)
	Power supply	FROR CEI 20-22 CEI EN 50267-2-1	3G x 1,5 mm²	3G x 2,5 mm²
	Flashing signal lights		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell TX		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell RX		4 x 0,5 mm²	4 x 1,0 mm²
	Key operated switch		3 x 0,5 mm²	3 x 1,0 mm²
	Antenna	RG58	max 20 m	max 20 m

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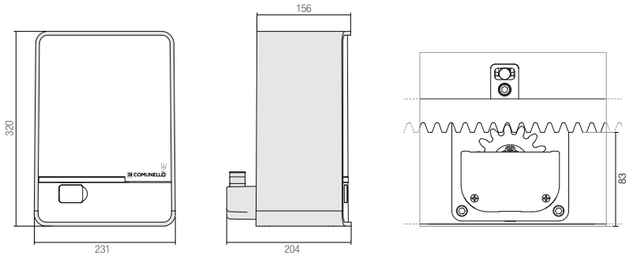
FORT 400 ONE

Electromechanical actuators for residential sliding gates up to 400 Kg



ONE TECHNOLOGY

ARTICLE	PRODUCT CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
FORT 400 24V ONE	G1F040MEL0B00	24V for sliding gates mechanical limit switches	1 pcs.	8,9 kg	36

Accessories included

INSTALLATION CHART

1	**1 FORT 400 24V ONE** - G1F040MEL0B00 24V mechanical limit switches
2	**1 KEEP 2 RC** - GKEEP2STN0B00 2 channel radio control unit
3	**2 MAST 50** - GMAST005N0G00 Extruded aluminium column h 50 cm
4	**2 DART ONE** - G1DARTSTN0B00 External photocells DART RX+TX ONE
5	**1 SWIFT ONE** - G1SWIFTSTYB00 Flashing signal lights
6	**1 INDEX ONE** - G1INDEXST0B00 Key-operated switch
7	**1 AC-40** - GSAFETYTN0G00 Signage table
8	**1 AC-51** - G1BATTERL0G00 Battery kit

COMUNELLO AUTOMATION

TECHNICAL CHARACTERISTICS

Electrical information	FORT 400 ONE
Power supply	230 VAC 50 Hz
Operating power supply	24 VDC
Power consumption	70 W
Current input	3,0 A
Maximum thrust	350 N
Duty cycle	intensive use
Protection rating(IP)	IP44
Insulation class	2
Working temperature	-20°C / +50°C
Weight max of gate	400 Kg
Rack module	M4
Speed	0,12 m/s
Weight	8,9 Kg

FORT 400 ONE

ACCESSORIES from page 190 a 191

Wi-fi key ONE can be used for all ONE settings (one key for one installer)

Wi-fi connection key
K-ONE / G1KEYWIFL0G00

Outdoor antenna
AC 30 / GANTENNAN0G00

Support
AC 220 / GFT001AAN0G00

CONTROL ACCESSORIES from page 208 a 243

Battery kit
AC 51 / G1BATTERL0G00

Magnetic limit switches kit
AC 200 / GFT001FIN0G00

Magnetic sensor
AC 205 / GFT002FIN0G00

Inductive sensor
AC 240 / GINDUCTON0G00

Kit 5 Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Remote control, rolling code 2 ch.
KEEP 2 RC W / GKEEP2STN0W00
KEEP 2 RC B / GKEEP2STN0B00

Remote control, rolling code 4 ch.
KEEP 4 RC W / GKEEP4STN0W00
KEEP 4 RC B / GKEEP4STN0B00

Key operated switch
INDEX ONE / G1INDEXST0B00

Digital switch with keypad
TACT / GTACTSTDN0B00

SAFETY ACCESSORIES from page 244 a 251

Flashing signal light
SWIFT ONE YELLOW / G1SWIFTSTYB00
SWIFT ONE WHITE / G1SWIFTSTWB00

Photocells
DART ONE / G1DARTSTN0B00

Photocells slim
DART SLIM ONE / G1DARTSLN0B00

Pressure sensitive safety trim
269 L=1000 / 10200101
269 L=1500 / 10200103
269 L=2000 / 10200105
269 L=2500 / 10200107

Signage table
AC 40 / GSAFETYTN0G00

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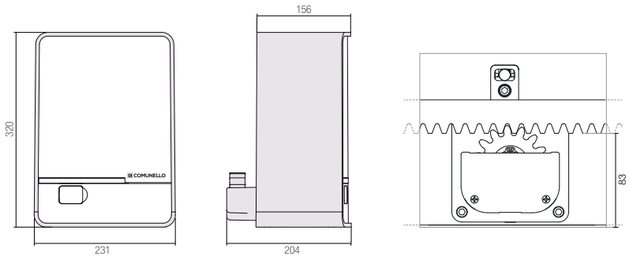
FORT 400 / 500

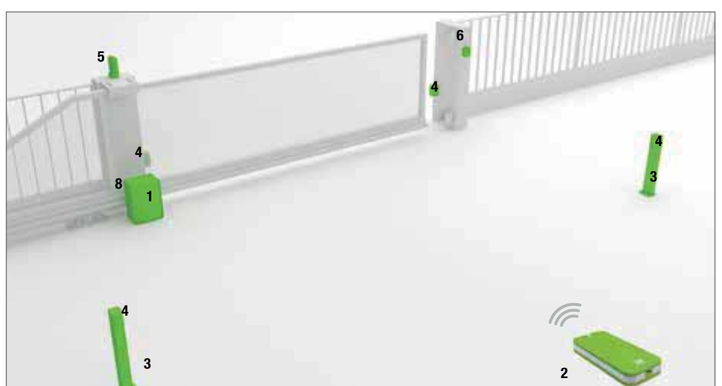
Electromechanical actuators for residential sliding gates up to 400kg e 500kg



ARTICLE	PRODUCT CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
■✱ FORT 400 24V	GFT040MCL0B00	24V for sliding gates mechanical limit switches up to 400 Kg	1 pcs.	8,9 kg	36
■✱ FORT 500 230V	GFT050MCH0B00	230V for sliding gates mechanical limit switches up to 500 Kg	1 pcs.	9,9 kg	36

✱ Possibility to modified from mechanical limit switches to magnetic limit switches

Accessories included



INSTALLATION CHART

1	**1 FORT 400 24V** - GFT040MCL0B00 24V mechanical limit switches
2	**1 KEEP 2 RC** - GKEEP2STN0B00 2 channel radio control unit
3	**2 MAST 50** - GMAST005N0G00 Extruded aluminium column h 50 cm
4	**2 DART** - GDARTSTDN0B00 External photocells
5	**1 SWIFT** - GSWIFTSTLYB00 Flashing signal lights
6	**1 INDEX** - GINDEXSTN0B00 Key-operated switch
7	**1 AC-40** - GSAFETYTN0G00 Signage table
8	**1 AC-50** - GBATTERYL0G00 Battery kit

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COMUNELLO AUTOMATION

TECHNICAL CHARACTERISTICS

Electrical information	FORT 400	FORT 500
Power supply	230 VAC 50 Hz	230 VAC 50 Hz
Operating power supply	24 VDC	230 VAC
Power consumption	70 W	280 W
Current input	3,0 A	1,2 A
Maximum thrust	350 N	450 N
Duty cycle	intensive use	50%
Protection rating (IP)	IP44	IP44
Insulation class	1 (earthing)	1 (earthing)
Working temperature	-20°C / +50°C	-20°C / +50°C
Max weight of gate	400 Kg	500 Kg
Rack module	M4	M4
Speed	0,12 m/s	0,17 m/s
Weight	8,9 Kg	9,9 Kg

FORT 400 / 500

ACCESSORIES from page 190 a 191

Outdoor antenna

AC 30 / GANTENNAN0G00

Support

AC 220 / GFT001AAN0G00

CONTROL ACCESSORIES from page 208 a 243

Battery kit

AC 50 / GBATTERYL0G00

Magnetic limit switches kit

AC 200 / GFT001FIN0G00

Magnetic sensor

AC 205 / GFT002FIN0G00

Inductive sensor

AC 240 / GINDUCTON0G00

Kit 5 Remote control, rolling code 2 ch.

KIT VICTOR / GVCTR2STN5C00

Remote control, rolling code 2 ch.

KEEP 2 RC W / GKEEP2STN0W00
KEEP 2 RC B / GKEEP2STN0B00

Remote control, rolling code 4 ch.

KEEP 4 RC W / GKEEP4STN0W00
KEEP 4 RC B / GKEEP4STN0B00

Key operated switch

INDEX / GINDEXSTN0B00

Digital switch with keypad

TACT / GTACTSTDN0B00

SAFETY ACCESSORIES from page 244 a 251

Flashing signal lights

SWIFT YELLOW / GSWIFTSTLYB00
SWIFT WHITE / GSWIFTSTLWB00

Photocells

DART / GDARTSTDN0B00

Photocells slim

DART SLIM / GDARTSLMN0B00

Pressure sensitive safety trim

269 L=1000 / 10200101
269 L=1500 / 10200103
269 L=2000 / 10200105
269 L=2500 / 10200107

Signage table

AC 40 / GSAFETYTN0G00

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FORT 400 ONE KIT

ONE TECHNOLOGY

The kits contain all the parts and equipment you need to make set up and connection as easy as possible. Instruction manuals and technical information are available on our website at **www.comunello.com**. We also offer our service to provide expert technical support by phone. The actuator range is in compliance with CE directive (EMC, LVD, and R&TTE) and successive amendments.

400 Kg

ARTICLE	CODE	MOTOR CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
KIT FORT 400 ONE	GK1F040MLB000	FORT 400 ONE / G1F040MEL0B00	Kit Fort 400 One for sliding gates	1 kit	9,5 kg	36

FORT 400 ONE KIT CONTENTS

FORT 400 ONE

1 FORT motor 400 ONE

KEEP 2 RC

2 2ch. radio control unit

DART ONE

Photocells

SWIFT-Y ONE

Flashing signal lights

AC 40

Signage table

Accessories included

Setup with ONE technology needs wi-fi key K-ONE, not included in the kit

Tablet not included

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FORT 400 / 500 KIT

COMUNELLO AUTOMATION

The kits contain all the parts and equipment you need to make set up and connection as easy as possible. Instruction manuals and technical information are available on our website at **www.comunello.com**. We also offer our service to provide expert technical support by phone. The actuator range is in compliance with CE directive (EMC, LVD, and R&TTE) and successive amendments.

400 Kg

500 Kg

ARTICLE	CODE	MOTOR CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
KIT FORT 400 24V	GKFT040MLB000	FORT 400 24V / GFT040MCL0B00	Kit Fort 400 24V for sliding gates	1 kit	9,5 kg	36
KIT FORT 500 230V	GKFT050MHB000	FORT 500 230V / GFT050MCH0B00	Kit Fort 400 230V for sliding gates	1 kit	10,5 kg	36

FORT 400 / 500 CONTENUTO DEL KIT

FORT 400 / 500

1 FORT motor 400 / 500

INDEX

Key operated switch

KEEP 2 RC

2 ch. radio control unit

DART

Photocells

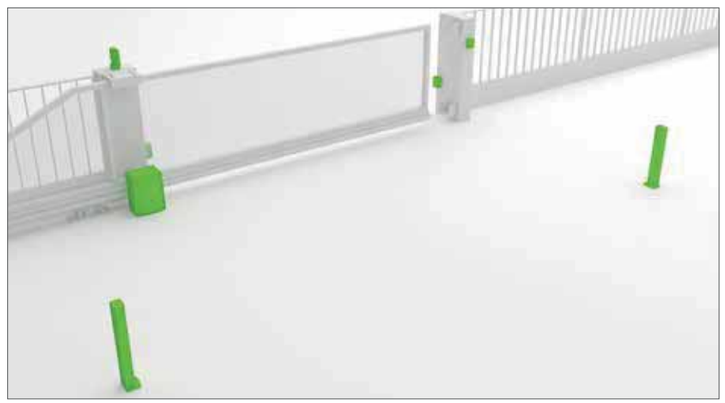
SWIFT-Y

Flashing signal lights

AC 40

Signage table

Accessories included



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FORT 600 / 700 / 1000 / DUAL 1000 / 1500

Electromechanical actuators for residential and industrial sliding gates up to 600/700/1000/1500 Kg

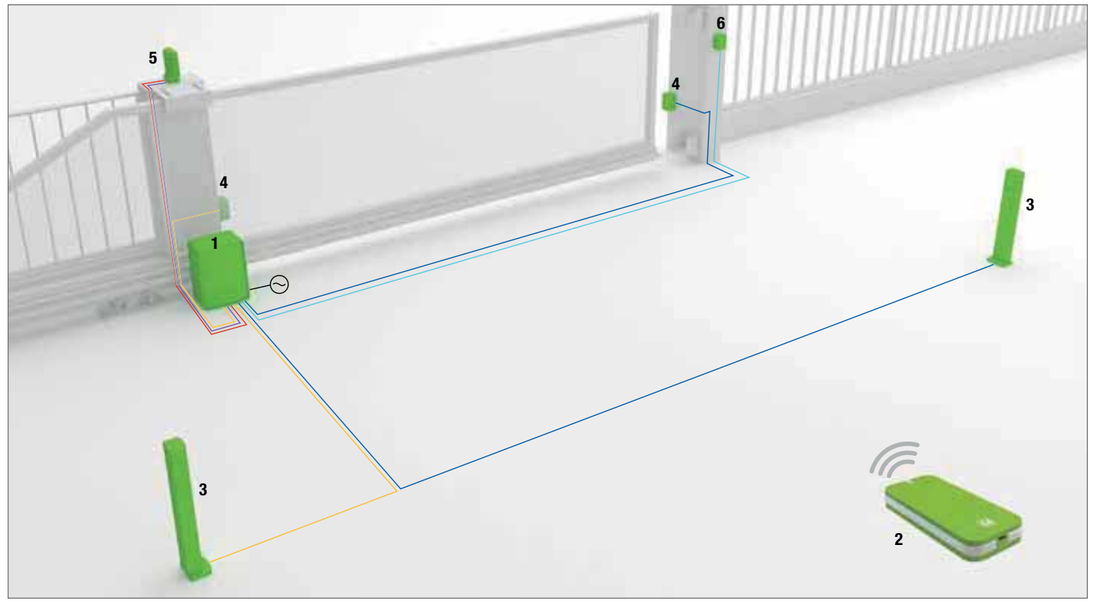
GENERAL INFORMATION

- **24 VDC and 230 VAC versions.**
  24 VDC and 230 VAC irreversible motors
- **Durability**
  Easy-opening release mechanism with aluminium handle. Practical, functional support and electronics casing. Versions with bronze gearings are available
- **Versions with lever or magnetic limit switch available**
- **Smart**
  Height and plane adjustable. Obstacle detection. Automatic programmable timer with built-in receiver. Silent with dampened motorreductor
- **Available in kit form**
- **Control board**
  Electronic control unit prewired. Trimmer adjustments for easy reading. Programmable automatic / semi-automatic limit switch, timer and reduced speeds. Built-in receiver..

24 VDC 230 VAC KIT

Sliding and cantilever gates

INSTALLATION CHART



1 FORT 600 / 700 / 1000 / 1500
2 CONTROL RADIO
3 COLUMNS
4 PHOTOCELLS
5 FLASHING SIGNAL LIGHTS
6 KEY OPERATED SWITCH

24V	DESCRIPTION	Wire	Length (1 m / 20 m)	Length (20 m / 50 m)
	Power supply	FROR CEI 20-22 CEI EN 50267-2-1	2 x 1,5 mm²	2 x 2,5 mm²
	Flashing signal lights		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell TX		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell RX		4 x 0,5 mm²	4 x 1,0 mm²
	Key operated switch		3 x 0,5 mm²	3 x 1,0 mm²
	Antenna	RG58	max 20 m	max 20 m

230V	DESCRIPTION	Wire	Length (1 m / 20 m)	Length (20 m / 50 m)
	Power supply	FROR CEI 20-22 CEI EN 50267-2-1	3G x 1,5 mm²	3G x 2,5 mm²
	Flashing signal lights		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell TX		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell RX		4 x 0,5 mm²	4 x 1,0 mm²
	Key operated switch		3 x 0,5 mm²	3 x 1,0 mm²
	Antenna	RG58	max 20 m	max 20 m

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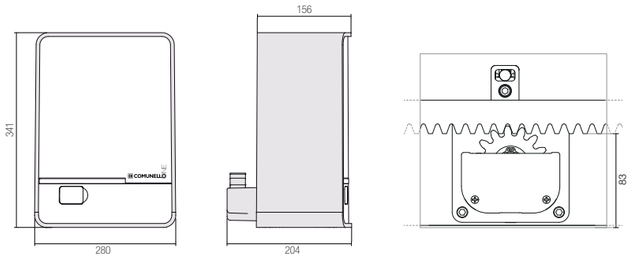
FORT 600 / 1000 ONE

Electromechanical actuators for residential and industrial sliding gates up to 600/1000 Kg



ONE TECHNOLOGY

ARTICLE	CODE PRODOTTO	DESCRIPTION	PACKAGE	WEIGHT	PALETTE	PREZZO
FORT 600 ONE	G1F060MEL0B00	24V Electromechanical limit switches, sliding gates up to 600 kg	1 pcs.	10,6 kg	36	
FORT 1000 24V ONE	G1F100MEL0B00	24V Electromechanical limit switches, sliding gates up to 1000 kg	1 pcs.	12 kg	36	
FORT 1000 24V MG ONE	G1F100GEL0B00	24V Magnetic limit switches for sliding gates, Weight maxi 1000 kg	1 pcs.	12 kg	36	

Accessories included

INSTALLATION CHART

1	**1 FORT 1000 24V MG ONE** - G1F100GEL0B00 24V Magnetic sensor for sliding gates, Weight maxi 1000 kg
2	**1 KEEP 2 RC** - GKEEP2STN0B00 2 Channels rolling code Remote control
3	**2 MAST 50** - GMAST005N0G00 Extruded aluminium column h 50 cm
4	**2 DART ONE** - G1DARTSTN0B00 Photocells DART RX+TX ONE
5	**1 SWIFT ONE** - G1SWIFTSTYB00 Flashing signal light
6	**1 INDEX ONE** - G1INDEXST0B00 Key operated switch
7	**1 AC-40** - GSAFETYTN0G00 Signage table
8	**1 AC-51** - G1BATTERL0G00 Battery kit

COMUNELLO AUTOMATION

TECHNICAL CHARACTERISTICS

Electrical information	FORT 600 ONE	FORT 1000 ONE
Power supply	230 VAC 50 Hz	230 VAC 50 Hz
Operating power supply	24 VDC	24 VDC
Power consumption	110 W	150 W
Current input	5,0 A	6,2 A
Maximum thrust	550 N	900 N
Duty cycle	intensive use	intensive use
Protection rating(IP)	IP44	IP44
Insulation class	2	2
Working temperature	-20°C / +50°C	-20°C / +50°C
Weight max of gate	600 Kg	1000 Kg
Rack module	M4	M4
Speed	0,17 m/s	0,17 m/s
Weight	10,6 Kg	12 Kg

FORT 600/1000 ONE

ACCESSORIES from page 190 a 191

Wi-fi key ONE can be used for all ONE settings (one key for one installer)

Wi-fi connection key
K-ONE / G1KEYWIFL0G00

Outdoor antenna
AC 30 / GANTENNAN0G00

Support
AC 220 / GFT001AAN0G00

CONTROL ACCESSORIES from page 208 a 243

Battery kit
AC 51 / G1BATTERL0G00

Magnetic limit switches kit
AC 200 / GFT001FIN0G00

Magnetic sensor
AC 205 / GFT002FIN0G00

Inductive sensor
AC 240 / GINDUCTON0G00

Kit 5 Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Remote control, rolling code 2 ch.
KEEP 2 RC W / GKEEP2STN0W00
KEEP 2 RC B / GKEEP2STN0B00

Remote control, rolling code 4 ch.
KEEP 4 RC W / GKEEP4STN0W00
KEEP 4 RC B / GKEEP4STN0B00

Key operated switch
INDEX ONE / G1INDEXST0B00

Digital switch with keypad
TACT / GTACTSTDN0B00

SAFETY ACCESSORIES from page 244 a 251

Flashing signal light
SWIFT ONE YELLOW / G1SWIFTSTYB00
SWIFT ONE WHITE / G1SWIFTSTWB00

Photocells
DART ONE / G1DARTSTN0B00

Photocells slim
DART SLIM ONE / G1DARTSLN0B00

Pressure sensitive safety trim
269 L=1000 / 10200101
269 L=1500 / 10200103
269 L=2000 / 10200105
269 L=2500 / 10200107

Signage table
AC 40 / GSAFETYTN0G00

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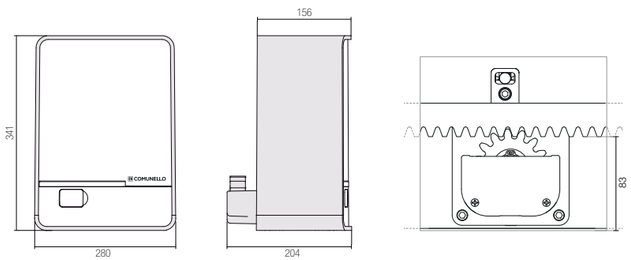
FORT 600 / 700 / 1000 / 1500

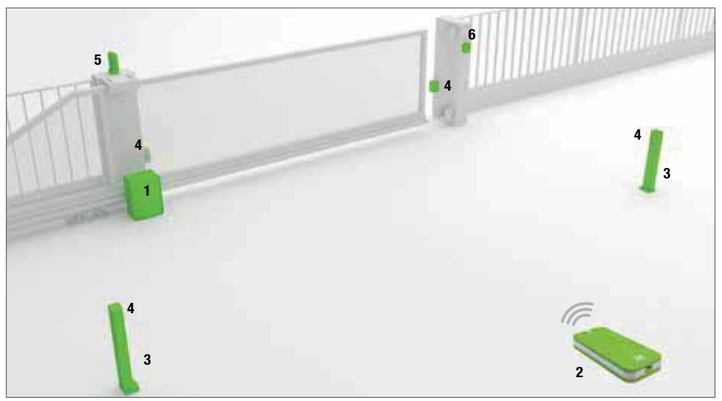
Electromechanical actuators for residential and industrial sliding gates up to 600/700/1000/1500 Kg



ARTICLE	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
✱ FORT 600 24V	GFT060MCL0B00	24V Electromechanical limit switches, sliding gates up to 600 kg	1 pcs.	10,6 kg	36
✱ FORT 700 230V	GFT070MCH0B00	230V Electromechanical limit switches, sliding gates up to 700 kg	1 pcs.	11,6 kg	36
✱ FORT 1000 24V	GFT100MCL0B00	24V Electromechanical limit switches, sliding gates up to 1000 kg	1 pcs.	12 kg	36
FORT 1000 24V MG E	GFT100GCL0B00	24V Magnetic limit switches with encoder, sliding gates up to 1000 kg	1 pcs.	12 kg	36
✱ FORT 1000 230V	GFT100MCH0B00	230V Electromechanical limit switches, sliding gates up to 1000 kg	1 pcs.	12,4 kg	36
FORT 1000 230V MG E	GFT100GCH0B00	230V Magnetic limit switches with encoder, sliding gates up to 1000 kg	1 pcs.	12,4 kg	36
FORT 1500 230V MG E	GFT150GCH0B00	230V Magnetic limit switches with encoder, sliding gates up to 1500 kg	1 pcs.	12,6 kg	36

✱ Possibility to modify from mechanical limit switches to magnetic limit switches

Accessories included



INSTALLATION CHART

1	**1 FORT 1000 24V MG E** - GFT100GCH0B00 24V Magnetic limit switches with encoder, sliding gates up to 1000 kg
2	**1 KEEP 2 RC** - GKEEP2STN0B00 2 Channels rolling code Remote control
3	**2 MAST 50** - GMAST005N0G00 Extruded aluminium column h 50 cm
4	**2 DART** - GDARTSTDN0B00 Photocells
5	**1 SWIFT** - GSWIFTSTLYB00 Flashing signal lights
6	**1 INDEX** - GINDEXSTN0B00 Key operated switch standard
7	**1 AC-40** - GSAFETYTN0G00 Signage table
8	**1 AC-50** - GBATTERYL0G00 Battery kit

COMUNELLO AUTOMATION

TECHNICAL CHARACTERISTICS

Electrical information	FORT 600 24V	FORT 700 230V	FORT 1000 24V	FORT 1000 230V	FORT 1500 230V
Power supply	230 VAC 50 Hz	230 VAC 50 Hz	230 VAC 50 Hz	230 VAC 50 Hz	230 VAC 50 Hz
Operating power supply	24 VDC	230 VAC	24 VDC	230 VAC	230 VAC
Power consumption	110 W	300 W	150 W	340 W	460 W
Current input	5,0 A	1,3 A	6,2 A	1,5 A	2,0 A
Maximum thrust	550 N	600 N	900 N	900 N	1400 N
Duty cycle	intensive use	50%	intensive use	50%	50%
Protection rating (IP)	IP44	IP44	IP44	IP44	IP44
Insulation class	2	1 (earthing)	2	1 (earthing)	1 (earthing)
Working temperature	-20°C / +50°C	-20°C / +50°C	-20°C / +50°C	-20°C / +50°C	-20°C / +50°C
Weight max of gate	600 Kg	700 Kg	1000 Kg	1000 Kg	1500 Kg
Rack module	M4	M4	M4	M4	M4
Speed	0,17 m/s	0,17 m/s	0,17 m/s	0,17 m/s	0,17 m/s
Weight	10,6 Kg	12 Kg	12 Kg	12,4 Kg	12,6 Kg

FORT 600 / 700 / 1000 / 1500

ACCESSORIES from page 190 a 191

Outdoor antenna

AC 30 / GANTENNAN0G00

Support

AC 220 / GFT001AAN0G00

Module 6 sprocket

AC 210 / GFT001CRN0G00

CONTROL ACCESSORIES from page 208 a 243

Battery kit

AC 50 / GBATTERYL0G00

Magnetic limit switches kit

AC 200 / GFT001FIN0G00

Magnetic sensor

AC 205 / GFT002FIN0G00

Inductive sensor

AC 240 / GINDUCTON0G00

Kit 5 Remote control, rolling code 2 ch.

KIT VICTOR / GVCTR2STN5C00

Remote control, rolling code 2 ch.

KEEP 2 RC W / GKEEP2STN0W00
KEEP 2 RC B / GKEEP2STN0B00

Remote control, rolling code 4 ch.

KEEP 4 RC W / GKEEP4STN0W00
KEEP 4 RC B / GKEEP4STN0B00

Key operated switch

INDEX / GINDEXSTN0B00

Digital switch with keypad

TACT / GTACTSTDN0B00

SAFETY ACCESSORIES from page 244 a 251

Flashing signal lights

SWIFT YELLOW / GSWIFTSTLYB00
SWIFT WHITE / GSWIFTSTLWB00

Photocells

DART / GDARTSTDN0B00

Photocells slim

DART SLIM / GDARTSLMN0B00

Pressure sensitive safety trim

269 L=1000 / 10200101
269 L=1500 / 10200103
269 L=2000 / 10200105
269 L=2500 / 10200107

Signage table

AC 40 / GSAFETYTN0G00

FORT 600/1000 ONE KIT

ONE TECHNOLOGY

The kits contain all the parts and equipment you need to make set up and connection as easy as possible. Instruction manuals and technical information are available on our website at **www.comunello.com**. We also offer our service to provide expert technical support by phone. The actuator range is in compliance with CE directive (EMC, LVD, and R&TTE) and successive amendments.

600 Kg

1000 Kg

ARTICLE	CODE	MOTOR CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
KIT FORT 600 ONE	GK1F060MLB000	FORT 600 ONE / G1F060MEL0B00	Kit Fort 600 One for sliding gates	1 kit	11,2 kg	36
KIT FORT 1000 ONE	GK1F100MLB000	FORT 1000 ONE / G1F100MEL0B00	Kit Fort 1000 One for sliding gates	1 kit	13 kg	36
KIT FORT 1000 ONE MG	GK1F100GLB000	FORT 1000 MG ONE / G1F100GEL0B00	Kit Fort 1000 One Magnetic limit switches	1 kit	13 kg	36

FORT 600 / 1000 ONE

1 FORT motor 600/1000 ONE

KEEP 2 RC

2 2ch. radio control unit

DART ONE

Photocells

SWIFT-Y ONE

Flashing signal lights

AC 40

Signage table

Accessories included

Installation using the One App requires the use of the K-One wi-fi connection key. Not included in the kits.

Tablet not included

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FORT 600/700/1000 KIT

The kits contain all the parts and equipment you need to make set up and connection as easy as possible. Instruction manuals and technical information are available on our website at **www.comunello.com**. We also offer our service to provide expert technical support by phone. The actuator range is in compliance with CE directive (EMC, LVD, and R&TTE) and successive amendments.

600 Kg

700 Kg

1000 Kg

ARTICLE	CODE	MOTOR CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
KIT FORT 600 24V	GKFT060MLB000	FORT 600 24V / GFT060MCL0B00	Kit Fort 600 24V for sliding gates	1 kit	11,2 kg	36
KIT FORT 700 230V	GKFT070MHB000	FORT 700 230V / GFT070MCH0B00	Kit Fort 700 230V for sliding gates	1 kit	12,2 kg	36
KIT FORT 1000 24V	GKFT100MLB000	FORT 1000 24V MG E / GFT100GCL0B00	Kit Fort 1000 24V for sliding gates	1 kit	13,0 kg	36
KIT FORT 1000 230V	GKFT100MHB000	FORT 1000 230V / GFT100MCH0B00	Kit Fort 1000 230V for sliding gates	1 kit	13,0 kg	36

FORT 600 / 700 / 1000 CONTENUTO DEL KIT

FORT 600 / 700 / 1000

1 FORT motor 600 / 700 / 1000

INDEX

Key operated switch

KEEP 2 RC

2 ch. radio control unit

DART

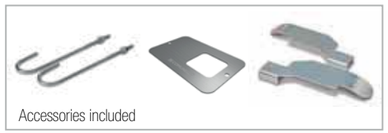
Photocells

SWIFT-Y

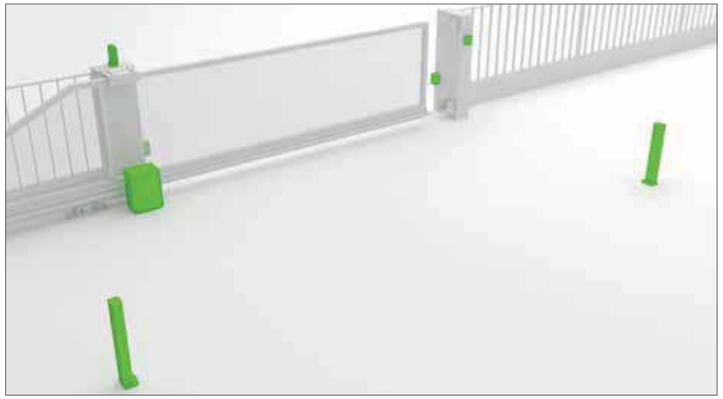
Flashing signal lights

AC 40

Signage table

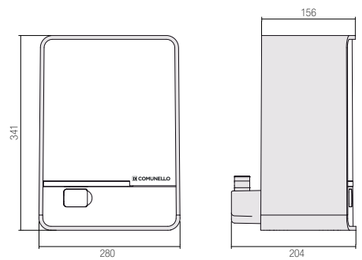


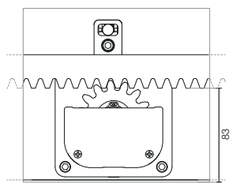
Accessories included



FORT DUAL 1000

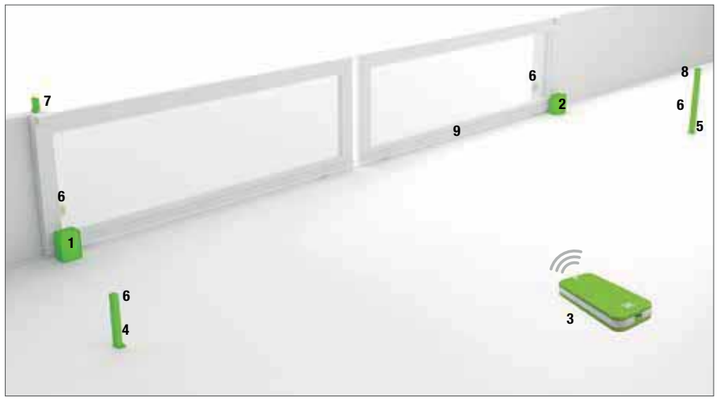
2 leaves electromechanical actuators for industrial sliding gates up to 1000 Kg per leaf





ARTICLE	CODE	DESCRIPTION	PACKAGE	WEIGHT PALETTE
FORT 1000 230V MG E (master)	GFT100GCH0B00	230V Magnetic limit switches with encoder for sliding gates, Weight max 1000 kg	1 pcs.	11,7 kg 36
FORT 1000 230V MG SC E (slave)	GFT100G0H0B00	230V Magnetic limit switches without Control unit for sliding gates, Weight max 1000 kg	1 pcs.	12,4 kg 36

Accessories included



INSTALLATION CHART

1	**1 FORT DUAL 1000 MG E** - GFT100GCH0B00 Master
2	**1 FORT DUAL 1000 MG SC E** - GFT100G0H0B00 Slave
3	**1 KEEP 2 RC** - GKEEP2STN0B00 2 Channels rolling code Remote control
4	**1 MAST 50** - GMAST005N0G00 Extruded aluminium column h 50 cm
5	**1 MAST TWIN 100** - GMAST005N0G00 Extruded aluminium column h 1 meter for photocells and control accessories installation
6	**2 DART** - GDARTSTDN0B00 Photocells
7	**1 SWIFT** - GSWIFTSTLYB00 Flashing signal lights
8	**1 INDEX** - GINDEXSTN0B00 Key operated switch standard

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COMUNELLO AUTOMATION

TECHNICAL CHARACTERISTICS

Electrical information	FORT DUAL 1000
Power supply	230 VAC 50 Hz
Operating power supply	230 VAC
Power consumption	340 W
Current input	1,5 A
Maximum thrust	900 N
Duty cycle	50%
Protection rating (IP)	IP44
Insulation class	1 (earthing)
Working temperature	-20°C / +50°C
Weight max of gate	1000 Kg
Rack module	M4
Speed	0,17 m/s
Weight	12,4 Kg

FORT 1000 DUAL

ACCESSORIES from page 190 a 191

Outdoor antenna
AC 30 / GANTENNAN0G00

Support
AC 220 / GFT001AAN0G00

Module 6 sprocket
AC 210 / GFT001CRN0G00

CONTROL ACCESSORIES from page 208 a 243

Magnetic limit switches kit
AC 200 / GFT001FIN0G00

Magnetic sensor
AC 205 / GFT002FIN0G00

Inductive sensor
AC 240 / GINDUCTON0G00

Kit 5 Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Remote control, rolling code 2 ch.
KEEP 2 RC W / GKEEP2STN0W00
KEEP 2 RC B / GKEEP2STN0B00

Remote control, rolling code 4 ch.
KEEP 4 RC W / GKEEP4STN0W00
KEEP 4 RC B / GKEEP4STN0B00

Key operated switch
INDEX / GINDEXSTN0B00

Digital switch with keypad
TACT / GTACTSTDN0B00

SAFETY ACCESSORIES from page 244 a 251

Flashing signal lights
SWIFT YELLOW / GSWIFTSTLYB00
SWIFT WHITE / GSWIFTSTLWB00

Photocells
DART / GDARTSTDN0B00

Photocells slim
DART SLIM / GDARTSLMN0B00

Pressure sensitive safety trim
269 L=1000 / 10200101
269 L=1500 / 10200103
269 L=2000 / 10200105
269 L=2500 / 10200107

Signage table
AC 40 / GSAFETYTN0G00

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FORT DUAL 1000 KIT

The kits contain all the parts and equipment you need to make set up and connection as easy as possible. Instruction manuals and technical information are available on our website at **www.comunello.com**. We also offer our service to provide expert technical support by phone. The actuator range is in compliance with CE directive (EMC, LVD, and R&TTE) and successive amendments.

ARTICLE	CODE	MOTOR CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
KIT FORT DUAL 1000 230V	GKFT100DHB000	FORT 1000 230V MG GFT100G0H0B00 / GFT100GCH0B00	Kit Fort 1000 230V 2 leaves sliding gates	1 kit	25,2 kg	18

FORT DUAL 1000 KIT CONTENTS

FORT 1000 MG

1 FORT motor 1000 MG

FORT 1000 MG SC

1 FORT motor 1000 MG SC

INDEX

Key operated switch

KEEP 2 RC

2 ch. radio control unit

DART

Photocells

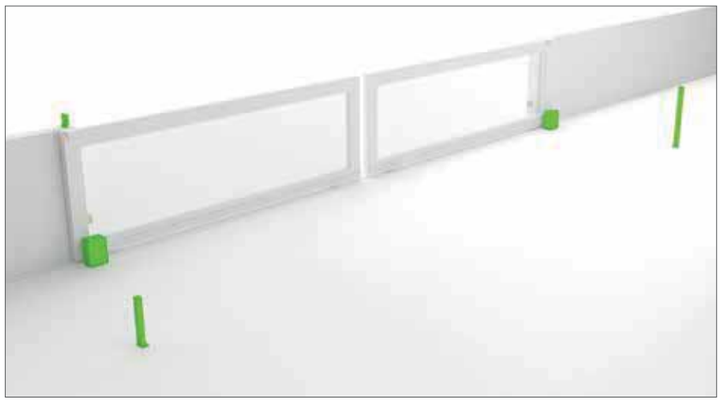
SWIFT-Y

Flashing signal lights

AC 40

Signage table

Accessories included x2



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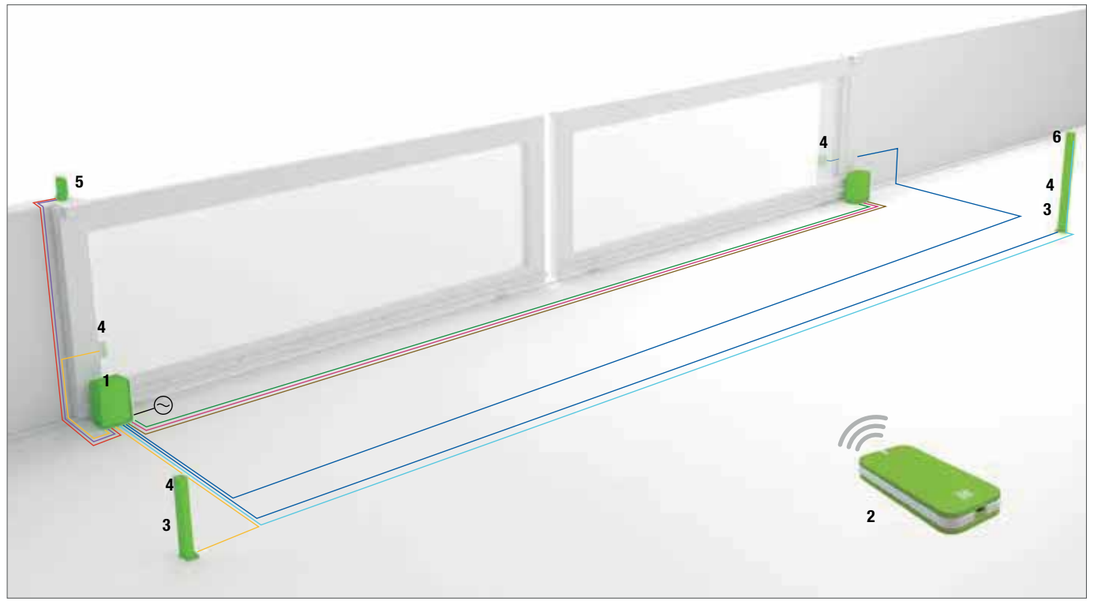
COMUNELLO AUTOMATION

GENERAL INFORMATION

230 VAC KIT

- **Versione 230 VAC.**
  Motore irréversibles, 230V
- **Durability**
  Easy-opening release mechanism with aluminium handle. Practical, functional support and electronics casing. Versions with bronze gearings are available
- **Versions with lever or magnetic limit switch available**
- **Smart**
  Height and plane adjustable. Obstacle detection. Automatic programmable timer with built-in receiver. Silent with dampened motorreductor
- **Available in kit form**
- **Control board**
  Electronic control unit prewired. Trimmer adjustments for easy reading. Programmable automatic / semi-automatic limit switch, timer and reduced speeds. Built-in receiver..

INSTALLATION CHART



1 FORT DUAL 1000
2 CONTROL RADIO
3 COLUMNS
4 PHOTOCELLS
5 FLASHING SIGNAL LIGHTS
6 KEY OPERATED SWITCH

230V	DESCRIPTION	Wire	Length (1 m / 20 m)	Length (20 m / 50 m)
	Power supply	FROR CEI 20-22 CEI EN 50267-2-1	3G x 1,5 mm²	3G x 2,5 mm²
	Operating power supply		4G x 1,5 mm²	4G x 2,5 mm²
	Flashing signal lights		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell TX		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell RX		4 x 0,5 mm²	4 x 1,0 mm²
	Key operated switch		3 x 0,5 mm²	3 x 1,0 mm²
	Limit switch		3 x 0,5 mm²	3 x 1,0 mm²
	Encoder		3 x 0,5 mm²	3 x 1,0 mm²
	Antenna	RG58	max 20 m	max 20 m

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FORT 3500

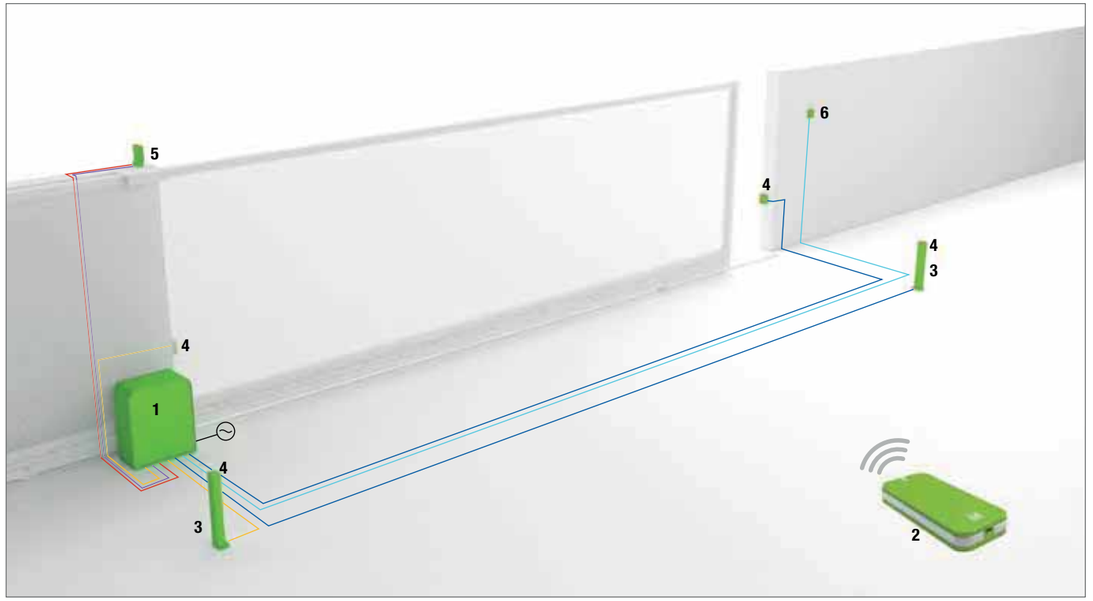
Electromechanical actuators for industrial sliding gates up to 3500 Kg

GENERAL INFORMATION

- **230 VDC and 380 VAC versions.**
  Irreversible motors, 230 VDC & 380 VAC
- **Magnetic limit switch**
- **Durable**
  Pressed steel casing with monophase and three-phase motorreductor. Metal and bronze gearings. Key-operated opening.
  Easy access to robust, practical release lever
- **Practical and safe**
  Electromechanical brake, auto-ventilated motor

24 VDC 380 VAC

INSTALLATION CHART



1 FORT 3500
2 CONTROL RADIO
3 COLUMNS
4 PHOTOCELLS
5 FLASHING SIGNAL LIGHTS
6 KEY OPERATED SWITCH

230V	DESCRIPTION	Wire	Length (1 m / 20 m)	Length (20 m / 50 m)
	Power supply	FROR CEI 20-22 CEI EN 50267-2-1	3G x 1,5 mm²	3G x 2,5 mm²
	Flashing signal lights		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell TX		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell RX		4 x 0,5 mm²	4 x 1,0 mm²
	Key operated switch		3 x 0,5 mm²	3 x 1,0 mm²
	Antenna	RG58	max 20 m	max 20 m

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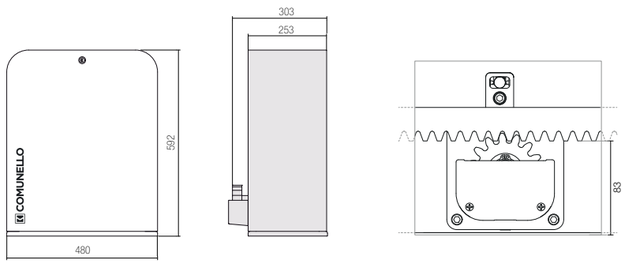
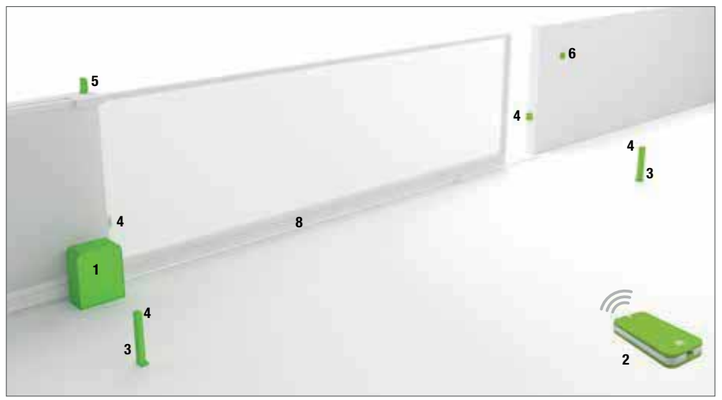
FORT 3500

Electromechanical actuators for industrial sliding gates up to 3500 Kg



ARTICLE	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
FORT 3500 230V	GFT350GCH0B00	230V Magnetic limit switches for sliding gates, Weight maxi 3500 kg	1 pcs.	53 kg	5
FORT 3500 380V	GFT350GCG0B00	380V Magnetic limit switches for sliding gates, Weight maxi 3500 kg	1 pcs.	55 kg	5



INSTALLATION CHART

1	**1 FORT 3500 230V** - GFT350GCH0B00 230V Magnetic sensor for sliding gates, Weight max 3500 kg
2	**1 KEEP 2 RC** - GKEEP2STN0B00 Remote control, rolling code 2 ch.
3	**1 MAST 50** - GMAST005N0G00 Extruded aluminium column h 50 cm
4	**2 DART** - GDARTSTDN0B00 Photocells
5	**1 SWIFT** - GSWIFTSTLYB00 Flashing signal lights
6	**1 INDEX** - GINDEXSTN0B00 Key operated switch standard
7	**1 AC-40** - GSAFETYTN0G00 Signage table
8	**1 ART. 260 30x30x1000** - 11400516 001 Racks

COMUNELLO AUTOMATION

TECHNICAL CHARACTERISTICS

Electrical information	230V	380V
Power supply	230 VAC	380 VDC
Operating power supply	230 VAC	380 VDC
Power consumption	0,8 KW	0,8 KW
Current input	3,5 A	1,2 A
Maximum thrust	3000 N	3000 N
Duty cycle	50%	intensive use
Protection rating (IP)	IP44	IP44
Insulation class	1 (earthing)	1 (earthing)
Working temperature	-20°C / +50°C	-20°C / +50°C
Weight max of gate	3500 Kg	3500 Kg
Rack module	M6	M6
Speed	0,17 m/s	0,17 m/s
Weight	70 Kg	70 Kg

FORT 3500

ACCESSORIES from page 190 a 191

Outdoor antenna
AC 30 / GANTENNAN0G00

Kit 4 anchor bolts M10
AC 250 / GROD4M10N0G00

Module 6 sprocket
AC 210 / GFT001CRN0G00

CONTROL ACCESSORIES from page 208 a 243

Magnetic limit switches kit
AC 200 / GFT001FIN0G00

Magnetic sensor
AC 205 / GFT002FIN0G00

Inductive sensor
AC 240 / GINDUCTON0G00

Kit 5 Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Remote control, rolling code 2 ch.
KEEP 2 RC W / GKEEP2STN0W00
KEEP 2 RC B / GKEEP2STN0B00

Remote control, rolling code 4 ch.
KEEP 4 RC W / GKEEP4STN0W00
KEEP 4 RC B / GKEEP4STN0B00

Key operated switch
INDEX / GINDEXSTN0B00

Digital switch with keypad
TACT / GTACTSTDN0B00

SAFETY ACCESSORIES from page 244 a 251

Flashing signal lights
SWIFT YELLOW / GSWIFTSTLYB00
SWIFT WHITE / GSWIFTSTLWB00

Photocells
DART / GDARTSTDN0B00

Photocells slim
DART SLIM / GDARTSLMN0B00

Pressure sensitive safety trim
269 L=1000 / 10200101
269 L=1500 / 10200103
269 L=2000 / 10200105
269 L=2500 / 10200107

Signage table
AC 40 / GSAFETYTN0G00

COMUNELLO
AUTOMATION

Garage doors

3

RAMPART 128

SALIENT 134

RAMPART

Garage doors up to **7 m²** , thrust **600N** — **RAMPART 600** — 24 VDC — Actuator for sectional and counterbalanced garage doors — P. 130 **RAMPART 600 24V** — P. 132 KIT **RAMPART 600 24V**

Garage doors up to **11 m²** , thrust **1000N** — **RAMPART 1000** — 24 VDC — Actuator for sectional and counterbalanced garage doors — P. 130 **RAMPART 1000 24V** — P. 133 KIT **RAMPART 1000 24V**

SALIENT

For overhead counter-balanced garage doors up to **9 m²** — **SALIENT** — 24 VDC
- Overhead garage doors fast version — P. 136 **SALIENT 24V**
- Overhead garage doors fast version without control board — P. 136 **SALIENT 24V SC**

For overhead counter-balanced garage doors up to **9 m²** — **SALIENT** — 230 VAC
- Overhead garage doors fast version — P. 136 **SALIENT 230V**
- Overhead garage doors fast version without control board — P. 136 **SALIENT 230V SC**

For overhead counter-balanced garage doors up to **9 m²** — **SALIENT** — 230 VAC
- Overhead garage doors, slow version — P. 136 **SALIENT SLOW 230V**
- Overhead garage doors, slow version, without control board — P. 136 **SALIENT SLOW 230V SC**

Selection guide

SALIENT
- SALIENT SLOW 230V
- SALIENT SLOW 230V SC
- SALIENT 24V
- SALIENT 230V
- SALIENT 24V SC
- SALIENT 230V SC

9 m²

RAMPART
- RAMPART 600 24V — 7 m²
- RAMPART 1000 24V — 11 m²

Dimensions refer to m² (opening area)

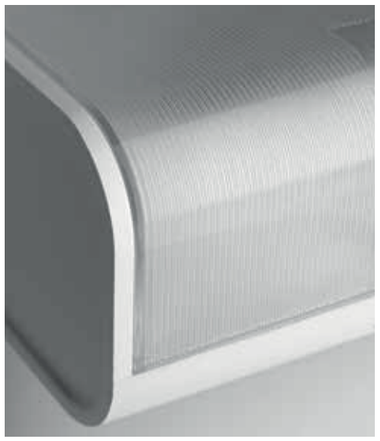
24 VDC 230 VAC

RAMPART

Electromechanical actuators for counterbalanced sectional doors, power 600 N / 1000 N

Electromechanical actuators for counterbalanced sectional doors

Two lines of electromechanical actuators suitable for use with overhead, sectional spring-loaded or counterbalanced garage doors. Security and precision are guaranteed by features including obstacle detection and monitoring of motor power absorption during use. These actuators offer slowed start and stop during opening and closing as well as durable, quiet metal gearings. Available in two elegant shades of black and white they're perfectly at home in all settings.



GENERAL INFORMATION

- For use with belt and chain guides, split and all-in-one
- Simple and practical
  Smart learning feature for limit switch and power. Built-in radio card and photocell connections. Easy to use release lever
- All-in-one versions for 7 m² / 600N and 11m² / 1000N opening
- Available in kit form
  The kit includes radio-control unit and anchoring brackets

24 VDC KIT

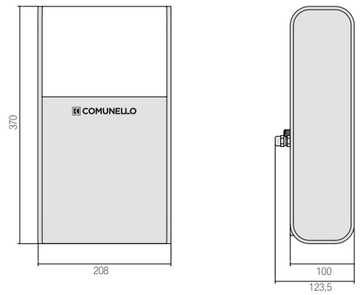
INSTALLATION CHART

1 RAMPART
2 CONTROL RADIO
3 PHOTOCELLS
4 KEY OPERATED SWITCH
5 FLASHING SIGNAL LIGHTS

24V	DESCRIPTION	Wire	Length (1 m / 20 m)	Length (20 m / 50 m)
	Power supply	FROR CEI 20-22 CEI EN 50267-2-1	2 x 1,5 mm²	2 x 2,5 mm²
	Flashing signal lights		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell TX		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell RX		4 x 0,5 mm²	4 x 1,0 mm²
	Key operated switch		3 x 0,5 mm²	3 x 1,0 mm²
	Antenna	RG58	max 20 m	max 20 m

RAMPART

Electromechanical actuators for counterbalanced sectional doors, power 600 N / 1000 N



ARTICLE	COLORE	MOTOR CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
RAMPART 600 24V	☐	GRT0600EL0W00	Actuator for sectional and counterbalanced garage doors thrust 600N	1 pcs.	4,9 kg	60
	■ On demand	GRT0600EL0B00				
RAMPART 1000 24V	☐	GRT1000EL0W00	Actuator for sectional and counterbalanced garage doors thrust 1000N	1 pcs.	6 kg	60
	■ On demand	GRT1000EL0B00				

ARTICLE	DESIGNATION
AC-400	3,25 m one-piece chain
AC-410	3,25 m one-piece chain 2x1,65 m
AC-420	3,25 m one-piece belt guide
AC-430	4m belt guide splitted 2x2,08 m

INSTALLATION CHART

1. **1 RAMPART 600 24V** - GRT0600EL0W00
   Actuator for sectional and counterbalanced garage doors
2. **1 AC 420 / 1 x 3,25 m** - GRT3250GD0G00
   3,25 m one-piece belt guide
3. **1 AC 470** - GRT001AA0G00
   Support bracket kit
4. **1 DART** - GDARTSTDN0B00
   Photocells
5. **1 SWIFT** - GSWIFTSTLYB00
   Flashing signal light
6. **1 INDEX** - GINDEXSTN0B00
   Key operated switch

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TECHNICAL CHARACTERISTICS

Electrical information	RAMPART 600	RAMPART 1000
Operating power supply	230 VAC	230 VAC
Power supply	24 VDC	24 VDC
Power consumption	110 W	150 W
Maximum thrust	600 N	1000 N
Duty cycle	intensive use	intensive use
Protection rating (IP)	IP20	IP20
Insulation class	2	2
Working temperature	-10°C / +50°C	-10°C / +50°C
Speed	80 mm/sec	100 mm/sec
Weight	10 Kg	10,5 Kg

RAMPART

ACCESSORIES from page 192 a 197

Outdoor antenna
AC 30 / GANTENNAN0G00

3,25 m one-piece chain
AC 400 / GRT3250GC0G00

3,25 m split or one-piece belt guide
AC 410 / 2 x 1,65m / GRT3250EB0G00
AC 420 / 1 x 3,25m / GRT3250ED0G00
AC 430 / 2 x 2,00m / GRT4000EB0G00

Cable release for traction slide
AC 440 / GRTCORDON0G00

Galvanised swing arm
AC 450 / GRT001AS0G00

Support bracket kit
AC 470 / GRT001AA0G00

CONTROL ACCESSORIES from page 208 a 243

Battery kit
AC 50 / GBATTERYL0G00

Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Remote control, rolling code 2 ch.
KEEP 2 RC W / GKEEP2STN0W00
KEEP 2 RC B / GKEEP2STN0B00

Remote control, rolling code 4 ch.
KEEP 4 RC W / GKEEP4STN0W00
KEEP 4 RC B / GKEEP4STN0B00

Digital switch with keypad
TACT / GTACTSTDN0B00

SAFETY ACCESSORIES from page 244 a 251

Flashing signal light
SWIFT YELLOW / GSWIFTSTLYB00
SWIFT WHITE / GSWIFTSTLWB00

Photocells
DART / GDARTSTDN0B00

Photocells slim
DART SLIM / GDARTSLMN0B00

Adjustable photocells
DART ADJUSTABLE / GDARTADJN0B00

Signage table
AC 40 / GSAFETYTN0G00 **0**

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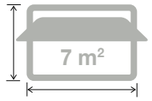
RAMPART 600 KIT



The kits contain all the parts and equipment you need to make set up and connection as easy as possible. Instruction manuals and technical information are available on our website at **www.comunello.com**. We also offer our service to provide expert technical support by phone. The actuator range is in compliance with CE directive (EMC, LVD, and R&TTE) and successive amendments..

ARTICLE	CODE	MOTOR CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE	
KIT RAMPART 600	GKRT060CLW000	RAMPART 600 / GRT0600ELOW00	Actuator for sectional and counterbalanced garage doors chain guide	1 kit	25,2 kg	18	
KIT RAMPART 600	GKRT060BLW000	RAMPART 600 / GRT0600ELOW00	Actuator for sectional and counterbalanced garage doors belt guide	1 kit	25,2 kg	18	

RAMPART 600 KIT CONTENTS with chain

RAMPART 600
1 MOTOR RAMPART 600

AC-400
3,25 m one-piece chain

KEEP 2 RC
Remote control, rolling code 2 ch.

AC 40
Signage table

Support bracket kit
AC 470 / GRT001AA0G00

RAMPART 600 KIT CONTENTS with belt

RAMPART 600
1 MOTOR RAMPART 600

AC-410
3,25 m split belt guide

KEEP 2 RC
Remote control, rolling code 2 ch.

AC 40
Signage table

Support bracket kit
AC 470 / GRT001AA0G00

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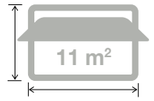
RAMPART 1000 KIT

COMUNELLO AUTOMATION



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ARTICLE	CODE	MOTOR CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE	
KIT RAMPART 1000	GKRT100CLW000	RAMPART 1000 / GRT1000ELOW00	Actuator for sectional and counterbalanced garage doors chain guide	1 kit	25,2 kg	18	
KIT RAMPART 1000	GKRT100BLW000	RAMPART 1000 / GRT1000ELOW00	Actuator for sectional and counterbalanced garage doors belt guide	1 kit	25,2 kg	18	

RAMPART 1000 KIT CONTENTS with chain

RAMPART 1000
1 MOTOR RAMPART 1000

AC-400
3,25 m one-piece chain

KEEP 2 RC
Remote control, rolling code 2 ch.

AC 40
Signage table

Support bracket kit
AC 470 / GRT001AA0G00

RAMPART 1000 KIT CONTENTS with belt

RAMPART 1000
1 MOTOR RAMPART 1000

AC-410
3,25 m split belt guide

KEEP 2 RC
Remote control, rolling code 2 ch.

AC 40
Signage table

Support bracket kit
AC 470 / GRT001AA0G00

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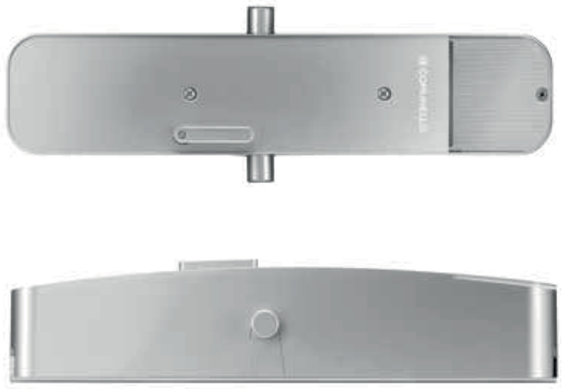
SALIENT

Electromechanical actuators for projecting and non-projecting up-and-over garage doors up to 9 m² with two motors

Electromechanical actuators for projecting up and over and sectional spring-loaded

Line of electromechanical actuators suitable for use with overhead, sectional spring-loaded or counterbalanced garage doors. Security and precision are guaranteed by features including obstacle detection and monitoring of motor power absorption during use. These actuators offer slowed start and stop during opening and closing as well as durable, quiet metal gearings.

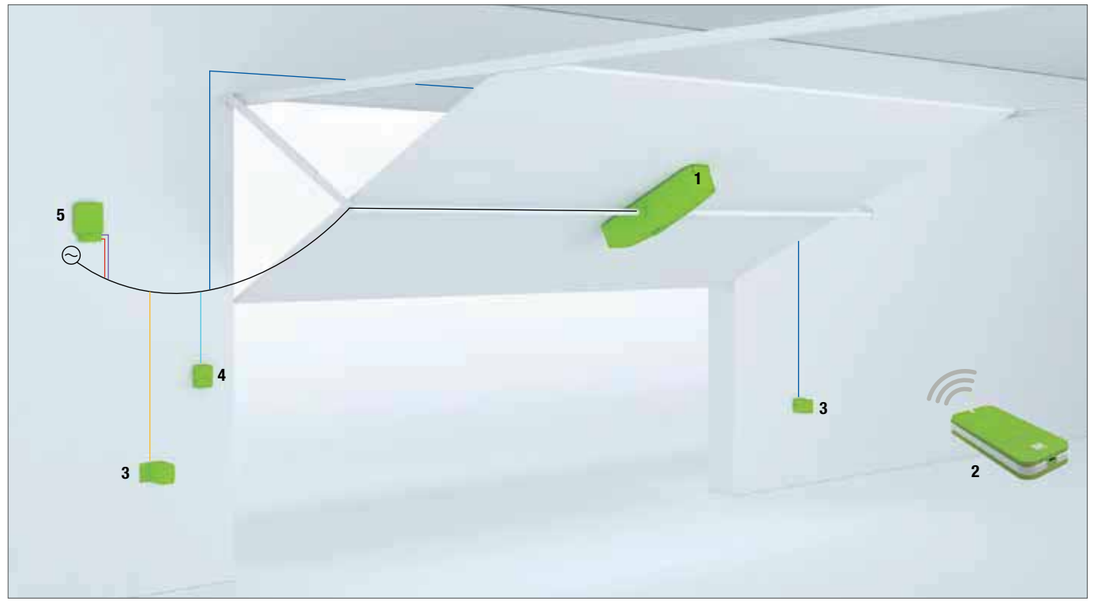


GENERAL INFORMATION

- 24 VDC and 230 VAC versions
- 3 Versions standard and enhanced
  Versions with built-in receivers and electromechanical limit switch or without control board. Optional connection to two motors
- Safety and precision
  Obstacle detection and monitoring of the power absorbed by the motor while in use. Slowed start and end during opening and closing. Optional cord-operated remote unlocking mechanism ready
- Durability
  Durable, quiet metal gearings. Diecast metal release lever

24 VDC 230 VAC KIT

INSTALLATION CHART



1 SALIENT
2 CONTROL RADIO
3 PHOTOCELLS
4 KEY OPERATED SWITCH
5 FLASHING SIGNAL LIGHTS

24V	DESCRIPTION	Wire	Length (1 m / 20 m)	Length (20 m / 50 m)
	Power supply	FROR CEI 20-22 CEI EN 50267-2-1	2 x 1,0 mm²	2 x 1,5 mm²
	Flashing signal lights		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell TX		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell RX		4 x 0,5 mm²	4 x 1,0 mm²
	Key operated switch		3 x 0,5 mm²	3 x 1,0 mm²
	Antenna	RG58	max 20 m	max 20 m

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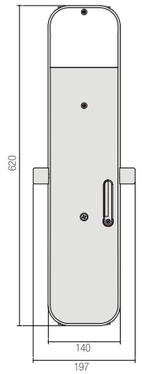
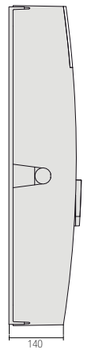
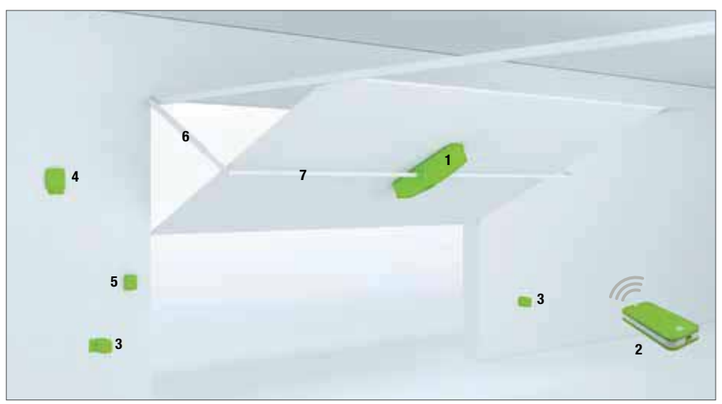
SALIENT

Electromechanical actuators for projecting and non-projecting up-and-over garage doors up to 9 m2 with two motors





ARTICLE	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
SALIENT 24V	GST0F0ECL0G00	24V, fast version, for overhead garage door, round arms	1 pcs.	9,3 kg	64
SALIENT 24V SC	GST0F0E0L0G00	24V, fast version, for overhead garage door, round arms without control board	1 pcs.	7,3 kg	64
SALIENT 230V	GST0F0ECH0G00	230V, fast version, for overhead garage door, round arms	1 pcs.	9,8 kg	64
SALIENT 230V SC	GST0F0E0H0G00	230V, fast version, for overhead garage door, round arms without control board	1 pcs.	7,8 kg	64
SALIENT SLOW 230V	GST0S0ECH0G00	230V, slow version, for overhead garage door, round arms	1 pcs.	9,8 kg	64
SALIENT SLOW 230V SC	GST0S0E0H0G00	230V, slow version, for overhead garage door, round arms without control board	1 pcs.	7,8 kg	64
SALIENT 24V	GSTQF0ECL0G00	24V, fast version, for overhead garage door, square arms	1 pcs.	9,3 kg	64
SALIENT 24V SC	GSTQF0E0L0G00	24V, fast version, for overhead garage door, square arms without control board	1 pcs.	7,3 kg	64
SALIENT 230V	GSTQF0ECH0G00	230V, fast version, for overhead garage door, square arms	1 pcs.	9,8 kg	64
SALIENT 230V SC	GSTQF0E0H0G00	230V, fast version, for overhead garage door, square arms without control board	1 pcs.	7,8 kg	64
SALIENT SLOW 230V	GSTQS0ECH0G00	230V, slow version, for overhead garage door, square arms	1 pcs.	9,8 kg	64
SALIENT SLOW 230V SC	GSTQS0E0H0G00	230V, slow version, for overhead garage door, square arms without control board	1 pcs.	7,8 kg	64



INSTALLATION CHART

1. **1 SALIENT 24V** - GST0F0ECL0G00
   24V, fast version, for overhead garage door, round arms
2. **1 KEEP 2 RC** - GKEEP2STN0B00
   Remote control, rolling code 2 ch.
3. **1 DART** - GDARTSTDN0B00
   Photocells
4. **1 SWIFT** - GSWIFTSTLYB00
   Flashing signal light
5. **1 INDEX** - GINDEXSTN0B00
   Key operated switch
6. **1 AC 310** - GST001ASN0G00
   Galvanised straight arms with ribbed bushings
7. **1 AC 360** - GST001AAN0G00
   Galvanized return arms 1500 mm

COMUNELLO AUTOMATION

TECHNICAL CHARACTERISTICS

Electrical information	24V	230V FAST	230V SLOW
Operating power supply (Control unit)	230 VAC	230 VAC	230 VAC
Power supply	24 VDC	230 VAC	230 VAC
Power consumption	150 W	280 W	280 W
Current input	6,5 A	1,2 A	1,2 A
Torque	330 Nm	440 Nm	440 Nm
Duty cycle	intensive use	40%	40%
Protection rating (IP)	IP24D	IP24D	IP24D
Insulation class	2	1 (earthing)	1 (earthing)
Working temperature	-20°C / +50°C	-20°C / +50°C	-20°C / +50°C
Speed	1,7 rpm	1,7 rpm	1,2 rpm
Weight	11,2 Kg	11,4 Kg	11,4 Kg

SALIENT

ACCESSORIES from page 192 a 197

Galvanised straight arms with ribbed bushings
AC 310 / GST001ASN0G00

Galvanised curved arms with ribbed bushings
AC 320 / GST002ASN0G00

Galvanised return arm support bracket
AC 350 / GST005ASN0G00

Galvanised L2000 / L1500 / L200 return arms
AC 375 L2000 / GST003AAN0G00
AC 360 L1500 / GST001AAN0G00
AC 370 L200 / GST002AAN0G00

Staffa di supporto 2000 mm zincata
AC 300 - 615 / GST006ASN0600
AC 305 - 1250 / GST007ASN0G00
AC 307 - 2000 / GST008ASN0G00

Galvanised straight arms with ribbed bushings
AC 311 / GST001SQN0G00

Galvanised curved arms with ribbed bushings
AC 321 / GST002SQN0G00

Galvanised square arm support bracket
AC 351 / GST005SQN0G00

Square arms
AC 361 L2000 / GST001AQN0G00
AC 371 L1500 / GST002AQN0G00
AC 376 L200 / GST003AQN0G00

CONTROL ACCESSORIES from page 208 a 243

Control unit
QUAD-24V-HP / GQUADHP2L0G00
QUAD-230V-HP / GQUADHP2H0G00

Control unit
QUAD-24V-1M / GQUADST1L0G00
QUAD-230V-1M / GQUADST1H0G00

Battery kit
AC 50 / GBATTERYL0G00

Galvanised external release lever
AC 380 / GST001SCN0G00

Remote control, rolling code 2 ch.
KEEP 2 RC W / GKEEP2STN0W00
KEEP 2 RC B / GKEEP2STN0B00

Key operated switch
INDEX / GINDEXSTN0B00

Digital switch with keypad
TACT / GTACTSTDN0B00

SAFETY ACCESSORIES from page 244 a 251

Flashing signal light
SWIFT YELLOW / GSWIFTSTLYB00
SWIFT WHITE / GSWIFTSTLWB00

Photocells
DART / GDARTSTDN0B00

Photocells slim
DART SLIM / GDARTSLMN0B00

Adjustable photocells
DART ADJUSTABLE / GDARTADJN0B00

Signage table
AC 40 / GSAFETYTN0G00 0

COMUNELLO
AUTOMATION

Barrier gates

4

BORDER 400 136
BORDER 600 144

LIMIT 500 152

LIMIT 600 164

LIMIT 800 172

Selection guide

BORDER

For entrance **up to 4 m** — **BORDER 400** — 24 VDC — Barrier with built-in control board — P. 146 — **BORDER 400 24V**

For entrance **up to 6 m** — **BORDER 600** — 24 VDC — Barrier with built-in control board — P. 150 — **BORDER 600 24V**

LIMIT 500

For entrance **up to 5 m** — **LIMIT 500** — 24 VDC

- Barrier with built-in control board — P. 154 — **LIMIT 500 ONE**
- Double Barrier with built-in control board — P. 156 — **LIMIT 500 ONE DUAL**
- Barrier with built-in control board — P. 158 — **LIMIT 500**
- Double Barrier with built-in control board — P. 160 — **LIMIT 500 DUAL**

LIMIT 600

For entrance **up to 6 m** — **LIMIT 600** — 24 VDC

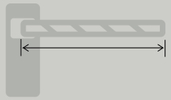
- Barrier with built-in control board — P. 164 — **LIMIT 600 ONE**
- Double Barrier with built-in control board — P. 166 — **LIMIT 600 ONE DUAL**
- Barrier with built-in control board — P. 168 — **LIMIT 600**
- Double Barrier with built-in control board — P. 170 — **LIMIT 600 DUAL**

LIMIT 800

For entrance **up to 8 m** — **LIMIT 800** — 24 VDC

- Barrier with built-in control board — P. 174 — **LIMIT 800 ONE**
- Double Barrier with built-in control board — P. 176 — **LIMIT 800 ONE DUAL**
- Barrier with built-in control board — P. 178 — **LIMIT 800**
- Double Barrier with built-in control board — P. 180 — **LIMIT 800 DUAL**

Selection guide

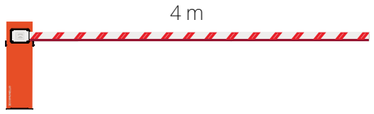


24 VDC

BORDER 400	BORDER 400 24V	4 m
LIMIT 500	LIMIT 500 ONE	5 m
	LIMIT 500 24V	
BORDER 600	BORDER 600 24V	6 m
LIMIT 600	LIMIT 600 ONE	
	LIMIT 600 24V	
LIMIT 800	LIMIT 800 ONE	8 m
	LIMIT 800 24V	

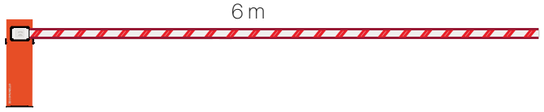
Dimensions refer to length of the bar

BORDER 400



For entrance of 4 m set up for: protective rubber, flip-down arm support, rack

BORDER 600



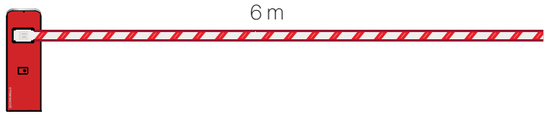
For entrance of 6 m set up for: protective rubber, flip-down arm support, rack

LIMIT 500

For entrance of 5 m set up for: protective rubber, warning lights, rack, flip-down arm support.

For entrance of 10 m (5+5 m) set up for: protective rubber, warning lights, rack, flip-down arm support.

LIMIT 600



For entrance of 6 m set up for: protective rubber, warning lights, rack, flip-down arm support.

For entrance of 12 m (6+6 m) set up for: protective rubber, warning lights, rack, flip-down arm support.

LIMIT 800

For entrance of 7 m (3+4 m) set up for: protective rubber, warning lights, rack, flip-down arm support.

For entrance of 8 m (4+4 m) set up for: protective rubber, warning lights, rack, flip-down arm support.

For entrance of 10 m (5+5 m) set up for: protective rubber, warning lights, rack, flip-down arm support.

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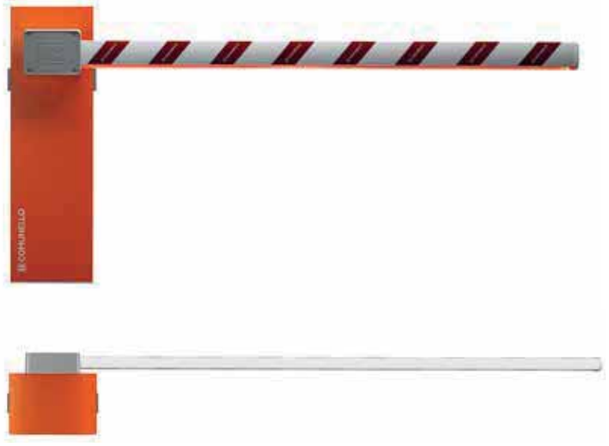
BORDER 400

24V Electromechanical barrier raising systems for residential, industrial or public use For entrance up to 4 m

Electromechanical barrier raising systems with encoder for residential, industrial or public use.

The Border serie of road barriers is available in a range of motor sizes and cover all possible road widths. The highest levels of security and optimum performance are guaranteed by easy-to-use controls, light, robust barrier arms, a robust aluminium motor and metal gearings. Anti-shock rubber is fitted. Programming is made easy via built-in end stop and encoders.

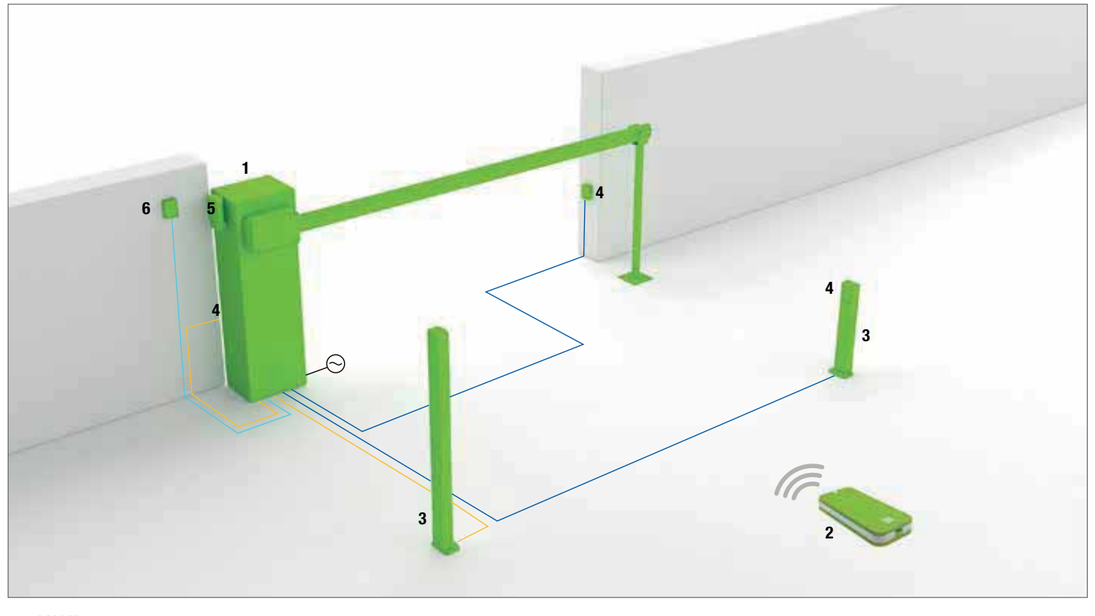


GENERAL INFORMATION

- **Powerful and fast**
  Mod. BORDER 400 version 24 VDC / 24 VDC version
- **Smart**
  Facilitated programming from built-in limit switch. Transformation from left to right via led menu
- **Safety**
  In case of impact, movement is automatically stopped. Fold-away emergency release lever. Separate casings for electrical and mechanical components for safe access
- **Impact-resistant protective trim (optional)**
- **High performance**
  Aluminium motorreductor and metal gearings. Control electronics are practical and positioned for easy access (upwards). Lightweight, durable bars. 2 balancing spring sizes are available supplied based on bar length
- **Speed: from 3 to 6 sec**
- **Available in kit form**

24 VDC

INSTALLATION CHART



1 BORDER 300 / 400
2 CONTROL RADIO
3 COLONNINE
4 Photocells
5 Flashing signal lights
6 Key operated switch

24V	DESCRIPTION	Wire	Length (1 m / 20 m)	Length (20 m / 50 m)
	Power supply	FROR CEI 20-22 CEI EN 50267-2-1	2 x 1,5 mm²	2 x 2,5 mm²
	Flashing signal lights		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell TX		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell RX		4 x 0,5 mm²	4 x 1,0 mm²
	Key operated switch		3 x 0,5 mm²	3 x 1,0 mm²
	Antenna	RG58	max 20 m	max 20 m

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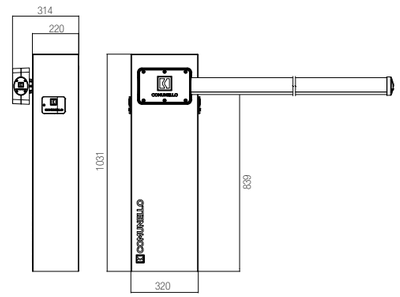
BORDER 400

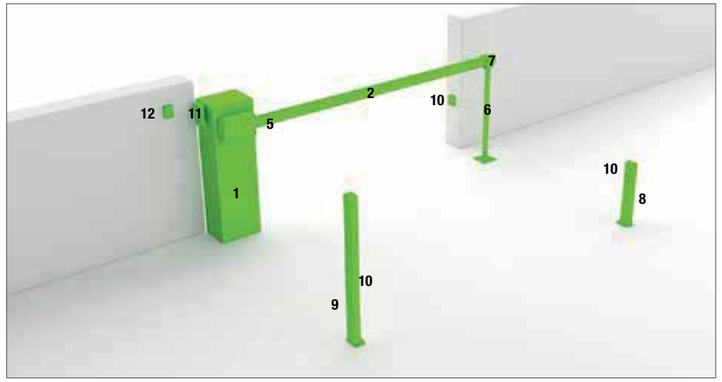
24V Electromechanical barrier raising systems for residential, industrial or public use For entrance up to 4 meters



ARTICLE	COLOUR	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
BORDER 400 24V		GBR040EVL0A00	Barrier with built-in control board 24V	1 pcs.	45 kg	6

BAR ASSEMBLY AND SPRING CHOICE	LENGTH					
	1,50	2,00	2,50	3,00	3,50	4,00
Asta	●	●	●	●	●	●
Bar with bar cover kit	●	●	●	●	●	●
Bar with swing down support	●	●	●	●	●	●
Bar with bar cover kit and swing down support	●	●	●	●	●	●
Bar with curtain	●	●	●	●	●	●
Bar with upper bar cover and curtain	●	●	●	●	●	●

● Small spring AC 530 ● Medium spring AC 540



INSTALLATION CHART

1	**1 BORDER 400 24V** - GBR040E0L0A00 Barrier with built-in control board 24V
2	**1 AC 641 - 4 m** - GBRBAR4000W00 Aluminium oval bar 4 m
3	**1 AC 500** - GLTANCHOR0G00 Foundation kit
4	**1 AC 530** - GLTSPRINGMG00 Spring for light bar
5	**1 AC 681** - GBRTOPP400R00 Red barrier bar cover, 4 m
6	**1 AC 560** - GLTFIX0000A00 Arm nesting post
7	**1 AC 717** - GBRPLUG010W00 Oval bar plug
8	**1 MAST 50** - GMAST005N0G00 Extruded aluminium column h 50 cm
9	**1 MAST TWIN 100** - GMAST005N0G00 Extruded aluminium column h 1 meter for photocells and control accessories installation
10	**2 DART** - GDARTSTDN0B00 Photocells
11	**1 SWIFT** - GSWIFTSTLYB00 Flashing signal lights
12	**1 INDEX** - GINDEXSTN0B00 Key operated switch
13	**1 AC-50** - GBATTERYL0G00 Battery kit

COMUNELLO AUTOMATION

TECHNICAL CHARACTERISTICS

Electrical information	24V
Power supply	230 VAC
Operating power supply	24 VDC
Power consumption	150 W
Current input	6,2 A
Torque	100 Nm
Duty cycle	intensive use
Protection rating (IP)	IP44
Insulation class	2
Working temperature	-20°C / +50°C

BORDER 400

ACCESSORIES from page 198 to 205

Outdoor antenna
AC 30 / GANTENNAN0G00

Foundation kit
AC 500 / GLTANCHOR0G00

Spring for light bar
AC 530 (light) / GLTSPRINGMG00
AC 545 (medium) / GBRSPRINGHG00

Arm nesting post
AC 560 / GLTFIX0000A00

Swing down support for bar
AC 570 / GLTSUPPORTG00

Aluminium oval bar, RAL 9010
AC 641 - 4m / GBRBAR4000W00

Red barrier bar cover
AC 681 - 4m / GBRTOPP400R00

Quick release for oval bar
AC 620 / GBRSTRSRV0G00

Oval bar plug
AC 717 / GBRPLUG010W00

Tablet plug
AC 705 / GBRPLUG03W00

CONTROL ACCESSORIES from page 208 to 243

Inductive sensor
AC 240 / GINDUCTON0G00

Remote control, rolling code 4 ch.
KEEP 4 RC / GKEEP4STN0W00

Kit 5 Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Key operated switch
INDEX / GINDEXSTN0B00

Digital switch with keypad
TACT / GTACTSTDN0B00

SAFETY ACCESSORIES from page 244 to 251

Flashing signal lights
SWIFT YELLOW / GSWIFTSTLYB00
SWIFT WHITE / GSWIFTSTLWB00

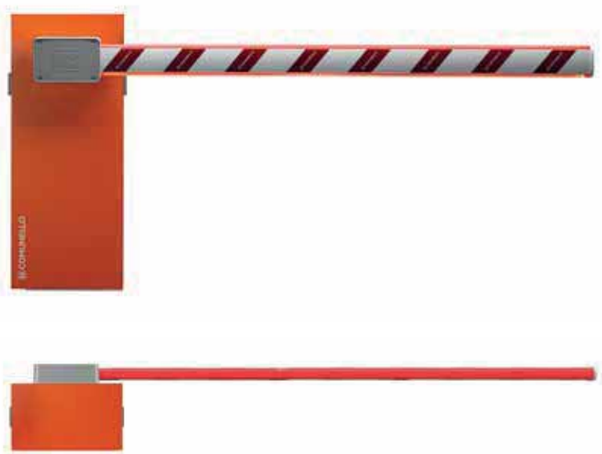
Reflective adhesive strips
AC 660 / GLTSTRIP00W00

Photocells
DART / GDARTSTDN0B00

Adjustable photocells
DART ADJUSTABLE / GDARTADJN0B00

BORDER 600

24V Electromechanical barrier raising systems for residential, industrial or public use For entrance up to 6 meters

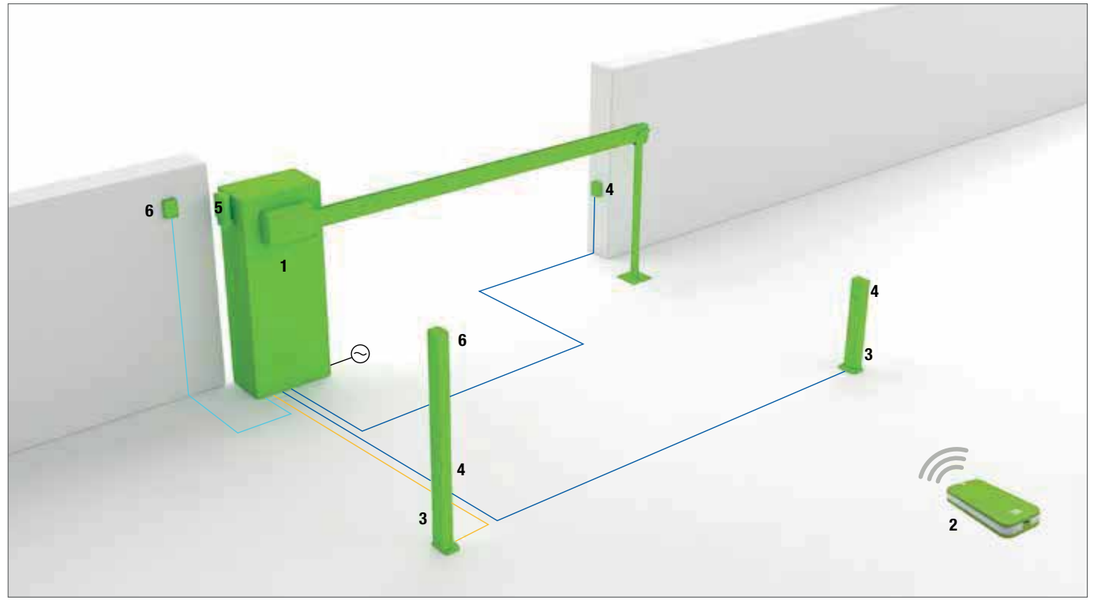


GENERAL INFORMATION

24 VDC

- **Powerful and fast**
  Mod. BORDER 600, 24 V version
- **Smart**
  Facilitated programming from built-in limit switch. Transformation from left to right via led menud
- **Safety**
  In case of impact, movement is automatically stopped. Fold-away emergency release lever. Separate casings for electrical and mechanical components for safe access
- **Impact-resistant protective trim (optionals)**
- **High performance**
  Aluminium motorreductor and metal gearings. Control electronics are practical and positioned for easy access (upwards). Lightweight, durable bars. 2 balancing spring sizes are available supplied based on bar length
- **Speed: from 4 to 6 sec**
- **Available in kit form**

INSTALLATION CHART



1 BORDER 600
2 CONTROL RADIO
3 COLONNINE
4 PHOTOCELLS
5 FLASHING SIGNAL LIGHTS
6 KEY OPERATED SWITCH

24V	DESCRIPTION	Wire	Length (1 m / 20 m)	Length (20 m / 50 m)
	Power supply	FROR CEI 20-22 CEI EN 50267-2-1	2 x 1,5 mm²	2 x 2,5 mm²
	Flashing signal lights		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell TX		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell RX		4 x 0,5 mm²	4 x 1,0 mm²
	Key operated switch		3 x 0,5 mm²	3 x 1,0 mm²
	Antenna	RG58	max 20 m	max 20 m

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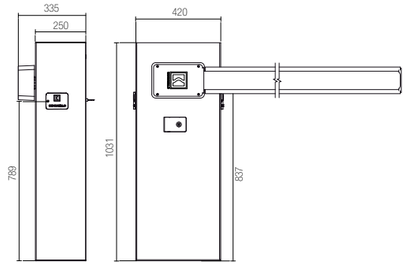
BORDER 600

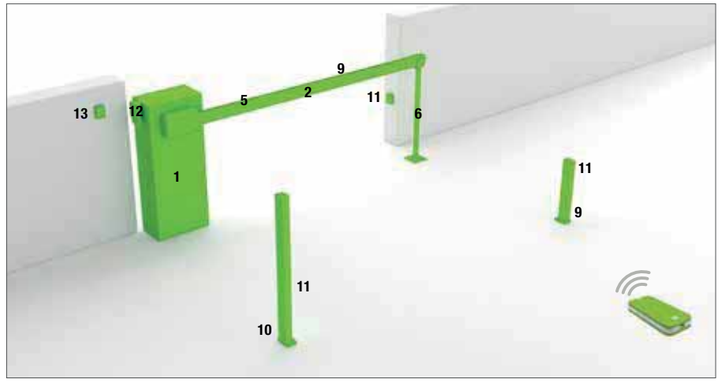
24V Electromechanical barrier raising systems for residential, industrial or public use For entrance up to 6 meters



ARTICLE	COLOUR	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE	
BORDER 600 24V		GBR060E0L0A00	Barrier with built-in control board 24V- fast version, For entrance up to 5 m	1 pcs.		55 kg	6

BAR ASSEMBLY AND SPRING CHOICE	LENGTH									
	1,50	2,00	2,50	3,00	3,50	4,00	4,50	5,00	5,50	6,00
Bar	●	●	●	●	●	●	●	●	●	●
Bar with bar cover kit	●	●	●	●	●	●	●	●	●	●
Bar with swing down support	●	●	●	●	●	●	●	●	●	●
Bar with bar cover kit and swing down support	●	●	●	●	●	●	●	●	●	
Bar with curtain	●	●	●	●	●	●	●	●		
Bar with upper bar cover and curtain	●	●	●	●	●	●	●	●		

● Small spring AC 530 ● Medium springAC 545



INSTALLATION CHART

1	**1 BORDER 600 24V** - GBR060E0H0A00 Barrier with built-in control board 24V
2	**1 AC 655 - 6 m** - GLTBAR6000W00 Aluminium rectangular bar, RAL 9010
3	**1 AC 510** - GLTANCH080G00 Foundation kit
4	**1 AC 545** - GLTSPRINGHG00 Spring for light bar
5	**1 AC 695** - GLTTOPP600R00 Red barrier bar cover, 6 m
6	**1 AC 560** - GLTFIX0000A00 Arm nesting post
7	**1 AC 700** - GLTSTOPPERW00 Bar end plug
8	**1 AC 710** - GLTPLUG01OW00 Bar end plug
9	**1 MAST 50** - GMAST005N0G00 Extruded aluminium column h 50 cm
10	**1 MAST TWIN 100** - GMAST005N0G00 Extruded aluminium column h 1 meter for photocells and control accessories installation
11	**2 DART** - GDARTSTDN0B00 Photocells
12	**1 SWIFT** - GSWIFTSTLYB00 Flashing signal lights
13	**1 INDEX** - GINDEXSTN0B00 Key operated switch
14	**1 AC-50** - GBATTERYL0G00 Battery kit

TECHNICAL CHARACTERISTICS

Electrical information	24V
Power supply	230 VAC
Operating power supply	24 VDC
Power consumption	150 W
Current input	6,2 A
Torque	100 Nm
Duty cycle	intensive use
Protection rating (IP)	IP44
Insulation class	2
Working temperature	-20°C / +50°C

BORDER 600

ACCESSORIES from page 198 to 205

Outdoor antenna
AC 30 / GANTENNAN0G00

Foundation kit
AC 510 / GLTANCH080G00

Spring for light bar
AC 530 (light) / GLTSPRINGMG00
AC 545 (medium) / GBRSPRINGHG00

Arm nesting post
AC 560 / GLTFIX0000A00

Swing down support for bar
AC 570 / GLTSUPPORTG00

Aluminium rectangular bar, RAL 9010
AC 655 - 6m / GLTBAR6000W00

Red barrier bar cover
AC 680 - 4m / GLTTOPP400R00
AC 690 - 5m / GLTTOPP500R00
AC 695 - 6m / GLTTOPP600R00

90° jointed rod
AC 580 / GLTANG9000G00

Bar end plug
AC 700 / GLTSTOPPERW00

Bar end plug
AC 710 / GLTPLUG010W00
AC 715 / GLTPLUG020W00

CONTROL ACCESSORIES from page 208 to 243

Inductive sensor
AC 240 / GINDUCTON0G00

Remote control, rolling code 4 ch.
KEEP 4 RC / GKEEP4STN0W00

Kit 5 Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Key operated switch
INDEX / GINDEXSTN0B00

Digital switch with keypad
TACT / GTACTSTDN0B00

SAFETY ACCESSORIES from page 244 to 251

Flashing signal lights
SWIFT YELLOW / GSWIFTSTLYB00
SWIFT WHITE / GSWIFTSTLWB00

Reflective adhesive strips
AC 660 / GLTSTRIP00W00

2 m curtain
AC 590 / GLTHEDGE02W00

Photocells
DART / GDARTSTDN0B00

Adjustable photocells
DART ADJUSTABLE / GDARTADJN0B00

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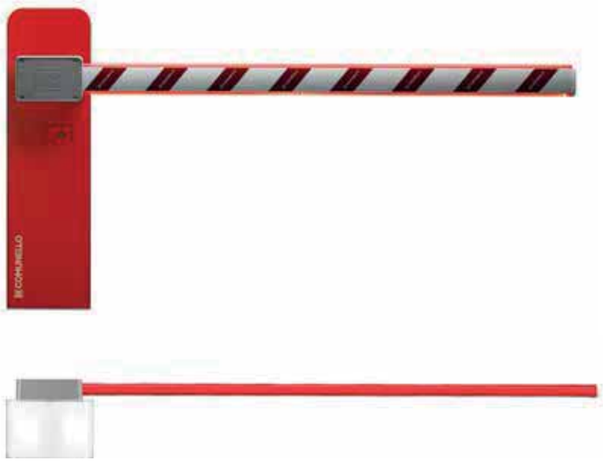
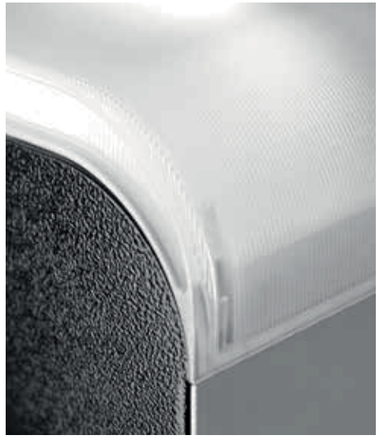
LIMIT 500

24V Electromechanical barrier raising systems with encoder for residential, industrial or public use. For entrance up to 5 meters

The Limit serie of road barriers is available in a range of motor sizes and cover all possible road widths. The highest levels of security and optimum performance are guaranteed by easy-to-use controls, light, robust barrier arms, a robust aluminium motor and metal gearings. Anti-shock rubber is fitted. Programming is made easy via built-in end stop and encoders. A version is available with built-in security light.



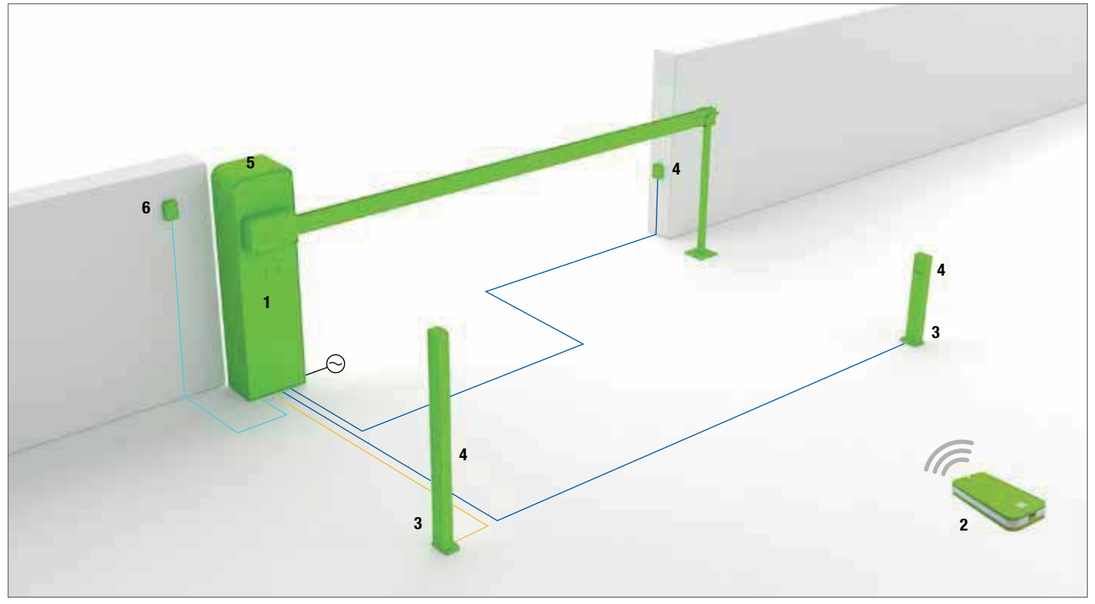


GENERAL INFORMATION

- **Powerful and fast**
  Mod. LIMIT 500, 24 V version
- **Smart**
  Facilitated programming from built-in limit switch and encoder. Transformation from left to right via dip switch
- **Safety**
  In case of impact, movement is automatically stopped. Fold-away emergency release lever. Separate casings for electrical and mechanical components for safe access
- **Impact-resistant protective trim (optionals)**
- **High performance**
  Aluminium motorreductor and metal gearings. Control electronics are practical and positioned for easy access (upwards). Lightweight, durable bars. 3 balancing spring sizes are available supplied based on bar length
- **Optional version available with built-in flashing safety light**
- **Speed: from 3 to 6 sec**
- **Available in kit form**

24 VDC

INSTALLATION CHART



1 LIMIT 500
2 CONTROL RADIO
3 COLONNINE
4 PHOTOCELLS
5 FLASHING SIGNAL LIGHTS
6 KEY OPERATED SWITCH

24V	DESCRIPTION	Wire	Length (1 m / 20 m)	Length (20 m / 50 m)
	Power supply	FROR CEI 20-22 CEI EN 50267-2-1	2 x 1,5 mm²	2 x 2,5 mm²
	Photocell TX		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell RX		4 x 0,5 mm²	4 x 1,0 mm²
	Key operated switch		3 x 0,5 mm²	3 x 1,0 mm²

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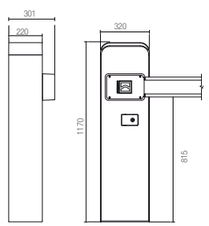
LIMIT 500 ONE

24V Electromechanical barrier raising systems with encoder for residential, industrial or public use. For entrance up to 5 meters



TECHNICAL CHARACTERISTICS

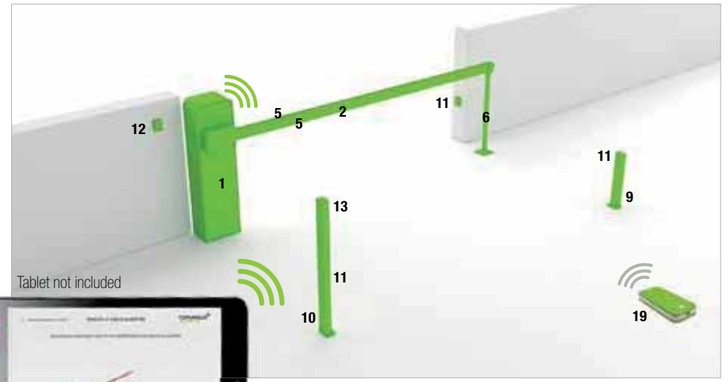
Electrical information	LIMIT 500 ONE
Power supply	230 VAC
Operating power supply	24 VDC
Power consumption	150 W
Current input	6,2 A
Torque	100 Nm
Duty cycle	intensive use
Protection rating (IP)	IP44
Insulation class	2
Working temperature	-20°C / +50°C

ONE TECHNOLOGY

ARTICLE	COLOUR	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
LIMIT 500 ONE		G1L50EEL0R00	Barrier with built-in control board 24V For entrance up to 5m	1 pcs.	65 kg	6

BAR ASSEMBLY AND SPRING CHOICE	LENGTH							
	1,50	2,00	2,50	3,00	3,50	4,00	4,50	5,00
Bar	●	●	●	●	●	●	●	●
Bar with bar cover kit	●	●	●	●	●	●	●	●
Bar with bar cover kit and lights	●	●	●	●	●	●	●	●
Bar with swing down support	●	●	●	●	●	●	●	●
Bar with bar cover kit and swing down support	●	●	●	●	●	●	●	
Bar with bar cover kit, led and swing down support	●	●	●	●	●	●	●	
Bar with curtain	●	●	●	●	●	●	●	
Bar with upper bar cover and curtain	●	●	●	●	●	●		
Bar with upper bar cover, led and curtain	●	●	●	●	●	●		
Bar with upper bar cover, led, curtain and swing down support	●	●	●	●	●			

● Small spring AC 530 ● Medium spring AC 540



INSTALLATION CHART

1	1	**LIMIT 500 ONE** - G1L050EEL0R00 Barrier 24V built-in control board
2	1	**AC 650 - 5 m** - GLTBAR5000W00 Aluminium rectangular bar, RAL 9010
3	1	**AC 500** - GLTANCHOR0G00 Foundation kit
4	1	**AC 540** - GLTSPRINGHG00 Spring for light bar
5	2	**AC 690** - GLTTOPP500R00 Red barrier bar cover, 5 m
6	1	**AC 560** - GLTFIX0000A00 Arm nesting post
7	1	**AC 700** - GLTSTOPPERW00 Bar end plug
8	1	**AC 710** - GLTPLUG010W00 Bar end plug
9	1	**MAST 50** - GMAST005N0G00 Extruded aluminium column h 50 cm
10	1	**MAST TWIN 100** - GMAST005N0G00 Extruded aluminium column h 1 meter for photocells and control accessories installation
11	2	**DART ONE** - G1DARTSTN0B00 Photocells DART RX+TX ONE
12	1	**INDEX ONE** - G1INDEXST0B00 Key operated switch
13	1	**TACT RADIO** - GTACTRADN0B00 Digital switch with radio-controller keypad
14	1	**AC-51** - G1BATTERL0G00 Battery kit
15	2	**AC 800** - GLTLED5000W00 5 m LED strip
16	2	**AC 770** - GLTSWIFTN0G00 Internal LED lights
17	1	**AC 660** - GLTSTRIP00W00 Reflective adhesive strips
18	1	**AC-40** - GSAFETYTN0G00 Signage table
19	1	**KEEP 2 RC** - GKEEP2STN0B00 Remote control, rolling code 2 ch.

COMUNELLO AUTOMATION

LIMIT 500 ONE

ACCESSORIES from page 198 to 205

Wi-fi key ONE can be used for all ONE settings (one key for one installer)

Wi-fi connection key
K-ONE / G1KEYWIFL0G00

Outdoor antenna
AC 30 / GANTENNAN0G00

Foundation kit
AC 500 / GLTANCHOR0G00

Spring for light bar
AC 530 (light) / GLTSPRINGMG00
AC 540 (medium) / GLTSPRINGHG00

Aluminium rectangular bar, RAL 9010
AC 630 - 3m / GLTBAR3000W00
AC 640 - 4m / GLTBAR4000W00
AC 650 - 5m / GLTBAR5000W00

Bar end plug
AC 700 / GLTSTOPPERW00

Bar end plug
AC 715 / GLTPLUG020W00

Bar end plug
AC 710 / GLTPLUG010W00

Red barrier bar cover
AC 670 - 3m / GLTTOPP300R00
AC 680 - 4m / GLTTOPP400R00
AC 690 - 5m / GLTTOPP500R00

90° jointed rod
AC 580 / GLTANG9000G00

Arm nesting post
AC 560 / GLTFIX0000A00

Swing down support for bar
AC 570 / GLTSUPPORTG00

CONTROL ACCESSORIES from page 208 to 243

Battery kit
AC 51 / G1BATTERL0G00

Inductive sensor
AC 240 / GINDUCTON0G00

Internal LED lights
AC 770 (advised 2 pcs) / GLTSWIFTN0G00

5 m LED strip
AC 800 / GLTLED5000W00

Remote control, rolling code 2 ch.
KEEP 2 RC / GKEEP2STN0B00

Kit 5 Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Key operated switch
INDEX ONE / G1INDEXST0B00

Digital switch with radio-controller keypad
TACT RADIO / GTACTRADN0B00

Extruded aluminium column h 50 cm
MAST 50 / GMAST005N0G00

Extruded aluminium column h 1 m for 2 photocells and control accessorie
MAST TWIN 100 / GMASTT10N0G00

SAFETY ACCESSORIES from page 244 to 251

Flashing signal light
SWIFT ONE YELLOW / G1SWIFTSYB00
SWIFT ONE WHITE / G1SWIFTSTWB00

Photocells
DART ONE / G1DARTSTN0B00

2 m curtain
AC 590 / GLTHEDGE02W00

Reflective adhesive strips
AC 660 / GLTSTRIP00W00

Signage table
AC 40 / GSAFETYTN0G00

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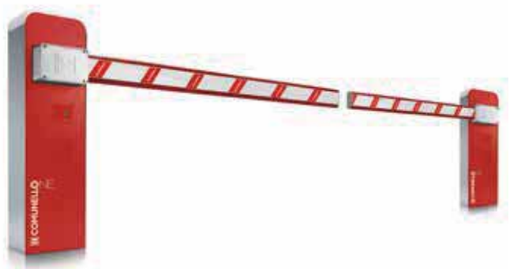
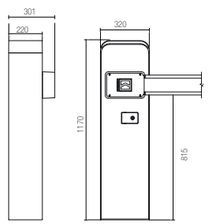
LIMIT 500 ONE DUAL

24V Electromechanical barrier raising systems with encoder for residential, industrial or public use. For entrance up to 5 meters





TECHNICAL CHARACTERISTICS

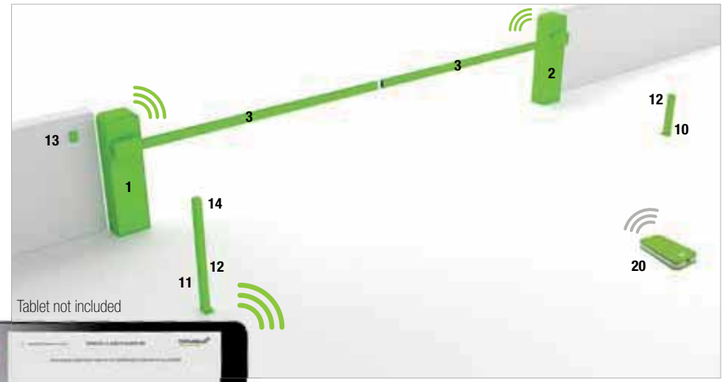
Electrical information	LIMIT 500 DUAL ONE
Power supply	230 VAC
Operating power supply	24 VDC
Power consumption	150 W
Current input	6,2 A
Torque	100 Nm
Duty cycle	intensive use
Protection rating (IP)	IP44
Insulation class	2
Working temperature	-20°C / +50°C

ONE TECHNOLOGY

ARTICLE	COLOUR	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
LIMIT 500 ONE		G1L050EEL0R00	Double barrier built-in control board 24V For entrance up to 5 m	1 pcs.	65 kg	6
LIMIT 500 ONE SLAVE		G1L05SEEL0R00		1 pcs.	65 kg	6

BAR ASSEMBLY AND SPRING CHOICE	LENGTH							
	1,50	2,00	2,50	3,00	3,50	4,00	4,50	5,00
Bar	●	●	●	●	●	●	●	●
Bar with bar cover kit	●	●	●	●	●	●	●	●
Bar with bar cover kit and lights	●	●	●	●	●	●	●	●
Bar with swing down support	●	●	●	●	●	●	●	●
Bar with bar cover kit and swing down support	●	●	●	●	●	●	●	
Bar with bar cover kit, led and swing down support	●	●	●	●	●	●	●	
Bar with curtain	●	●	●	●	●	●	●	
Bar with upper bar cover and curtain	●	●	●	●	●	●		
Bar with upper bar cover, led and curtain	●	●	●	●	●	●		
Bar with upper bar cover, led, curtain and swing down support	●	●	●	●	●			

● Small spring AC 530 ● Medium spring AC 540



INSTALLATION CHART

1	**1 LIMIT 500 ONE** - G1L050EEL0R00 Barrier 24V, built-in control board
2	**1 LIMIT 500 ONE SLAVE** - G1L05SEEL0R00 Barrier 24V, SLAVE
3	**2 AC 650 - 5 m** - GLTBAR5000W00 Aluminium rectangular bar, RAL 9010
4	**2 AC 500** - GLTANCHOR0G00 Foundation kit
5	**2 AC 540** - GLTSPRINGHG00 Spring for light bar
6	**4 AC 690** - GLTTOPP500R00 Red barrier bar cover, 5 m
7	**2 AC 570** - GLTSUPPORTG00 Swing down support
8	**2 AC 700** - GLTSTOPPERW00 Bar end plug
9	**2 AC 710** - GLTPLUG01OW00 Bar end plug
10	**1 MAST 50** - GMAST005N0G00 Extruded aluminium column h 50 cm
11	**1 MAST TWIN 100** - GMAST005N0G00 Extruded aluminium column h 1 meter for photocells and control accessories installation
12	**2 DART ONE** - G1DARTSTN0B00 Photocells DART RX+TX ONE
13	**1 INDEX ONE** - G1INDEXST0B00 Key operated switch
14	**1 TACT RADIO** - GTACTRADN0B00 Digital switch with radio-controller keypad
15	**1 AC-51** - G1BATTERL0G00 Battery kit
16	**4 AC 800** - GLTLED5000W00 5 m LED strip
17	**2 AC 770** - GLTSWIFTN0G00 Internal LED lights
18	**2 AC 660** - GLTSTRIP00W00 Reflective adhesive strips
19	**1 AC-40** - GSAFETYTN0G00 Signage table
20	**1 KEEP 2 RC** - GKEEP2STN0B00 Remote control, rolling code 2 ch.

COMUNELLO AUTOMATION

LIMIT 500 ONE DUAL

ACCESSORIES from page 198 to 205

Wi-fi key ONE can be used for all ONE settings (one key for one installer)

Wi-fi connection key
K-ONE / G1KEYWIFL0G00

Outdoor antenna
AC 30 / GANTENNAN0G00

Foundation kit
AC 500 / GLTANCHOR0G00

Spring for light bar
AC 530 (light) / GLTSPRINGMG00
AC 540 (medium) / GLTSPRINGHG00

Aluminium rectangular bar, RAL 9010
AC 630 - 3m / GLTBAR3000W00
AC 640 - 4m / GLTBAR4000W00
AC 650 - 5m / GLTBAR5000W00

Bar end plug
AC 700 / GLTSTOPPERW00

Bar end plug
AC 715 / GLTPLUG020W00

Bar end plug
AC 710 / GLTPLUG010W00

Red barrier bar cover
AC 670 - 3m / GLTTOPP300R00
AC 680 - 4m / GLTTOPP400R00
AC 690 - 5m / GLTTOPP500R00

90° jointed rod
AC 580 / GLTANG9000G00

Swing down support for bar
AC 570 / GLTSUPPORTG00

CONTROL ACCESSORIES from page 208 to 243

Battery kit
AC 51 / G1BATTERL0G00

Inductive sensor
AC 240 / GINDUCTON0G00

Internal LED lights
AC 770 (advised 2 pcs) / GLTSWIFTN0G00

5 m LED strip
AC 800 / GLTLED5000W00

Remote control, rolling code 2 ch.
KEEP 2 RC / GKEEP2STN0B00

Kit 5 Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Key operated switch
INDEX ONE / G1INDEXST0B00

Digital switch with radio-controller keypad
TACT RADIO / GTACTRADN0B00

Extruded aluminium column h 50 cm
MAST 50 / GMAST005N0G00

Extruded aluminium column h 1 m for 2 photocells and control accessorie
MAST TWIN 100 / GMASTT10N0G00

SAFETY ACCESSORIES from page 244 to 251

Flashing signal light
SWIFT ONE YELLOW / G1SWIFTSYB00
SWIFT ONE WHITE / G1SWIFTSTWB00

Photocells
DART ONE / G1DARTSTN0B00

2 m curtain
AC 590 / GLTHEDGE02W00

Reflective adhesive strips
AC 660 / GLTSTRIP00W00

Signage table
AC 40 / GSAFETYTN0G00

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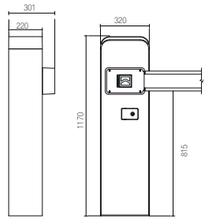
LIMIT 500

24V Electromechanical barrier raising systems with encoder for residential, industrial or public use. For entrance up to 5 meters



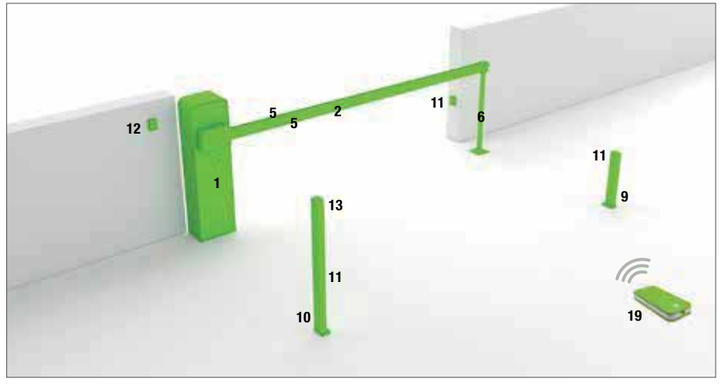
TECHNICAL CHARACTERISTICS

Electrical information	24V
Power supply	230 VAC
Operating power supply	24 VDC
Power consumption	150 W
Current input	6,2 A
Torque	100 Nm
Duty cycle	intensive use
Protection rating (IP)	IP44
Insulation class	2
Working temperature	-20°C / +50°C

ARTICLE	COLOUR	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
LIMIT 500 24V		GLT050EEL0R00	Barrier with built-in control board 24V For entrance up to 5m	1 pcs.	65 kg	6
	On demand	GLT050EEL0B00				
	inox On demand	GLT050EELIS00		1 pcs.	66 kg	6

BAR ASSEMBLY AND SPRING CHOICE	LENGTH 1,50	2,00	2,50	3,00	3,50	4,00	4,50	5,00
Bar	●	●	●	●	●	●	●	●
Bar with bar cover kit	●	●	●	●	●	●	●	●
Bar with bar cover kit and lights	●	●	●	●	●	●	●	●
Bar with swing down support	●	●	●	●	●	●	●	●
Bar with bar cover kit and swing down support	●	●	●	●	●	●	●	
Bar with bar cover kit, led and swing down support	●	●	●	●	●	●	●	
Bar with curtain	●	●	●	●	●	●	●	
Bar with upper bar cover and curtain	●	●	●	●	●	●		
Bar with upper bar cover, led and curtain	●	●	●	●	●	●		
Bar with upper bar cover, led, curtain and swing down support	●	●	●	●	●			

● Small spring AC 530 ● Medium spring AC 540



INSTALLATION CHART

1	1	**LIMIT 500** - GLT050EEL0R00 Barrier 24V, built-in control board
2	1	**AC 650 - 5 m** - GLTBAR5000W00 Aluminium rectangular bar, RAL 9010
3	1	**AC 500** - GLTANCHOR0G00 Foundation kit
4	1	**AC 540** - GLTSPRINGHG00 Spring for light bar
5	1	**AC 690** - GLTTOPP500R00 Red barrier bar cover, 5 m
6	1	**AC 560** - GLTFIX0000A00 Arm nesting post
7	1	**AC 700** - GLTSTOPPERW00 Bar end plug
8	1	**AC 710** - GLTPLUG01OW00 Bar end plug
9	1	**MAST 50** - GMAST005N0G00 Extruded aluminium column h 50 cm
10	1	**MAST TWIN 100** - GMAST005N0G00 Extruded aluminium column h 1 meter for photocells and control accessories installation
11	2	**DART** - GDARTSTDN0B00 Photocells
12	1	**INDEX** - GINDEXSTN0B00 Key operated switch
13	1	**TACT RADIO** - GTACTRADN0B00 Digital switch with radio-controller keypad
14	1	**AC-50** - GBATTERYL0G00 Battery kit
15	2	**AC 800** - GLTLED5000W00 5 m LED strip
16	2	**AC 770** - GLTSWIFTN0G00 Internal LED lights
17	1	**AC 660** - GLTSTRIP00W00 Reflective adhesive strips
18	1	**AC-40** - GSAFETYTN0G00 Signage table
19	1	**KEEP 2 RC** - GKEEP2STN0B00 Remote control, rolling code 2 ch.

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COMUNELLO AUTOMATION

LIMIT 500

ACCESSORIES from page 198 to 205

Outdoor antenna
AC 30 / GANTENNAN0G00

Foundation kit
AC 500 / GLTANCHOR0G00

Spring for light bar
AC 530 (light) / GLTSPRINGMG00
AC 540 (medium) / GLTSPRINGHG00

Aluminium rectangular bar, RAL 9010
AC 630 - 3m / GLTBAR3000W00
AC 640 - 4m / GLTBAR4000W00
AC 650 - 5m / GLTBAR5000W00

Bar end plug
AC 700 / GLTSTOPPERW00

Bar end plug
AC 715 / GLTPLUG020W00

Bar end plug
AC 710 / GLTPLUG010W00

Red barrier bar cover
AC 670 - 3m / GLTTOPP300R00
AC 680 - 4m / GLTTOPP400R00
AC 690 - 5m / GLTTOPP500R00

90° jointed rod
AC 580 / GLTANG9000G00

Arm nesting post
AC 560 / GLTFIX0000A00

Swing down support for bar
AC 570 / GLTSUPPORTG00

CONTROL ACCESSORIES from page 208 to 243

Inductive sensor
AC 240 / GINDUCTON0G00

Internal LED lights
AC 770 (adesiv 2 pcs.) / GLTSWIFTN0G00

5 m LED strip
AC 800 / GLTLED5000W00

Remote control, rolling code 2 ch.
KEEP 2 RC / GKEEP2STN0B00

Kit 5 Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Key operated switch
INDEX / GINDEXSTN0B00

Digital switch with radio-controller keypad
TACT RADIO / GTACTRADN0B00

Extruded aluminium column h 50 cm
MAST 50 / GMAST005N0G00

Extruded aluminium column h 1 m for 2 photocells and control accessorie
MAST TWIN 100 / GMASTT10N0G00

SAFETY ACCESSORIES from page 244 to 251

Flashing signal lights
SWIFT YELLOW / GSWIFTSTLYB00
SWIFT WHITE / GSWIFTSTLWB00

Photocells
DART / GDARTSTDN0B00

2 m curtain
AC 590 / GLTHEDGE02W00

Reflective adhesive strips
AC 660 / GLTSTRIP00W00

Signage table
AC 40 / GSAFETYTN0G00

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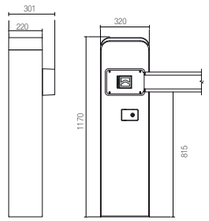
LIMIT 500 DUAL

24V Electromechanical barrier raising systems with encoder for residential, industrial or public use. For entrance up to 5 meters



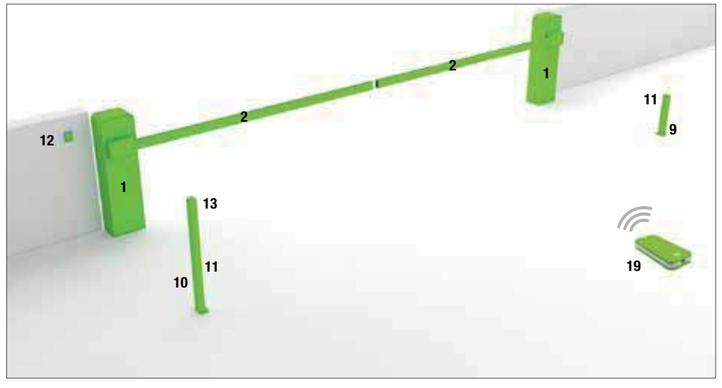
TECHNICAL CHARACTERISTICS

Electrical information	24V
Power supply	230 VAC
Operating power supply	24 VDC
Power consumption	150 W
Current input	6,2 A
Torque	100 Nm
Duty cycle	intensive use
Protection rating (IP)	IP44
Insulation class	2
Working temperature	-20°C / +50°C

ARTICLE	COLOUR	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
LIMIT 500 24V		GLT050EEL0R00	Barriere built-in control board 24V For entrance up to 5 m	1 pcs.	65 kg	6

BAR ASSEMBLY AND SPRING CHOICE	LENGTH							
	1,50	2,00	2,50	3,00	3,50	4,00	4,50	5,00
Bar	●	●	●	●	●	●	●	●
Bar with bar cover kit	●	●	●	●	●	●	●	●
Bar with bar cover kit and lights	●	●	●	●	●	●	●	●
Bar with swing down support	●	●	●	●	●	●	●	●
Bar with bar cover kit and swing down support	●	●	●	●	●	●	●	
Bar with bar cover kit, led and swing down support	●	●	●	●	●	●	●	
Bar with curtain	●	●	●	●	●	●	●	
Bar with upper bar cover and curtain	●	●	●	●	●	●		
Bar with upper bar cover, led and curtain	●	●	●	●	●	●		
Bar with upper bar cover, led, curtain and swing down support	●	●	●	●	●			

● Small spring AC 530 ● Medium spring AC 540



INSTALLATION CHART

1	**2 LIMIT 500** - GLT050EEL0B00 Barrier 24V, built-in control board
2	**2 AC 650 - 5 m** - GLTBAR5000W00 Aluminium rectangular bar, RAL 9010
3	**2 AC 500** - GLTANCHOR0G00 Foundation kit
4	**2 AC 540** - GLTSPRINGHG00 Spring for light bar
5	**2 AC 690** - GLTTOPP500R00 Red barrier bar cover, 5 m
6	**2 AC 570** - GLTSUPPORTG00 Swing down support mobile
7	**2 AC 700** - GLTSTOPPERW00 Bar end plug
8	**2 AC 710** - GLTPLUG01OW00 Bar end plug
9	**1 MAST 50** - GMAST005N0G00 Extruded aluminium column h 50 cm
10	**1 MAST TWIN 100** - GMAST005N0G00 Extruded aluminium column h 1 meter for photocells and control accessories installation
11	**2 DART** - GDARTSTDN0B00 Photocells
12	**1 INDEX** - GINDEXSTN0B00 Key operated switch
13	**1 TACT RADIO** - GTACTRADN0B00 Digital switch with radio-controller keypad
14	**1 AC-50** - GBATTERYL0G00 Battery kit
15	**4 AC 800** - GLTLED5000W00 5 m LED strip
16	**2 AC 770** - GLTSWIFTN0G00 Internal LED lights
17	**2 AC 660** - GLTSTRIP00W00 Reflective adhesive strips
18	**1 AC-40** - GSAFETYTN0G00 Signage table
19	**1 KEEP 2 RC** - GKEEP2STN0B00 Remote control, rolling code 2 ch.

COMUNELLO AUTOMATION

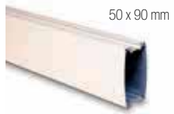
LIMIT 500 DUAL

ACCESSORIES from page 198 to 205

Outdoor antenna
AC 30 / GANTENNANOG00

Foundation kit
AC 500 / GLTANCHOROG00

Spring for light bar
AC 530 (light) / GLTSPRINGMG00
AC 540 (medium) / GLTSPRINGHG00



Aluminium rectangular bar, RAL 9010
AC 630 - 3m / GLTBAR3000W00
AC 640 - 4m / GLTBAR4000W00
AC 650 - 5m / GLTBAR5000W00

Bar end plug
AC 700 / GLTSTOPPERW00

Bar end plug
AC 715 / GLTPLUG020W00

Bar end plug
AC 710 / GLTPLUG01OW00

Red barrier bar cover
AC 670 - 3m / GLTTOPP300R00
AC 680 - 4m / GLTTOPP400R00
AC 690 - 5m / GLTTOPP500R00

90° jointed rod
AC 580 / GLTANG9000G00

Swing down support for bar
AC 570 / GLTSUPPORTG00

CONTROL ACCESSORIES from page 208 to 243

Battery kit
AC 50 / GBATTERYL0G00

Inductive sensor
AC 240 / GINDUCT0N0G00

Internal LED lights
AC 770 (adviseed 2 pcs) / GLTSWIFTN0G00

5 m LED strip
AC 800 / GLTLED5000W00

Remote control, rolling code 2 ch.
KEEP 2 RC / GKEEP2STN0B00

Kit 5 Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Key operated switch
INDEX / GINDEXSTN0B00

Digital switch with radio-controller keypad
TACT RADIO / GTACTRADN0B00

Extruded aluminium column h 50 cm
MAST 50 / GMAST005N0G00

Extruded aluminium column h 1 m for 2 photocells and control accessorie
MAST TWIN 100 / GMASTT10N0G00

SAFETY ACCESSORIES from page 244 to 251

Flashing signal lights
SWIFT YELLOW / GSWIFTSTLYB00
SWIFT WHITE / GSWIFTSTLWB00

Photocells
DART / GDARTSTDN0B00

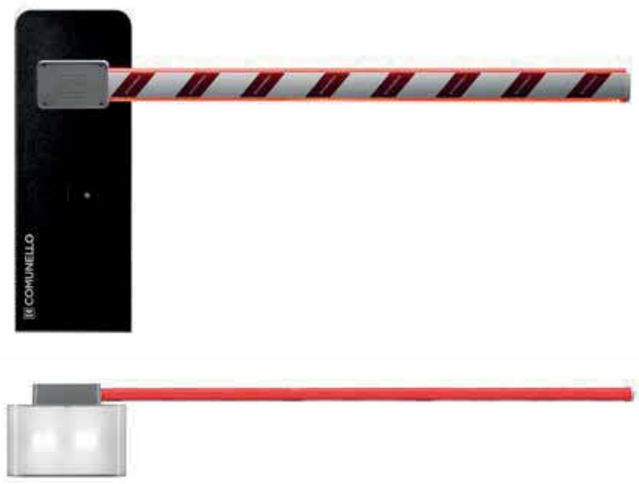
2 m curtain
AC 590 / GLTHEDGE02W00

Reflective adhesive strips
AC 660 / GLTSTRIP00W00

Signage table
AC 40 / GSAFETYTN0G00

LIMIT 600

24V Electromechanical barrier raising systems with encoder for residential, industrial or public use. For entrance up to 6 meters

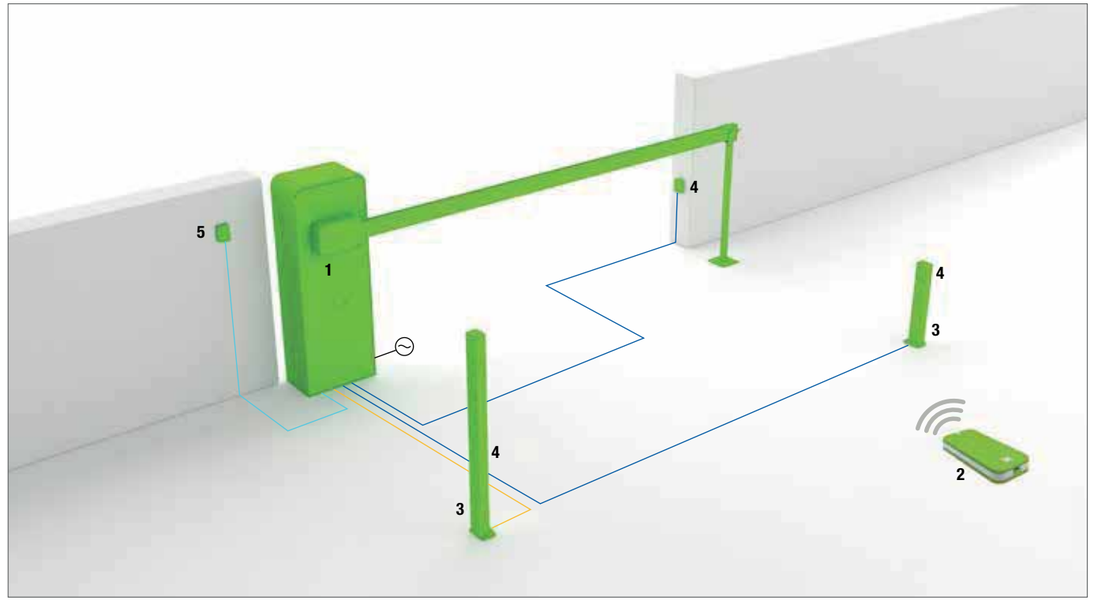


GENERAL INFORMATION

24 VDC

- **Powerful and fast**
  Mod. LIMIT 600, 24 V version
- **Smart**
  Facilitated programming from built-in limit switch and encoder. Transformation from left to right via dip switch
- **Safety**
  In case of impact, movement is automatically stopped. Fold-away emergency release lever. Separate casings for electrical and mechanical components for safe access
- **Impact-resistant protective trim (optionals)**
- **High performance**
  Aluminium motorreductor and metal gearings. Control electronics are practical and positioned for easy access (upwards). Lightweight, durable bars. 2 balancing spring sizes are available supplied based on bar length
- **Optional version available with built-in flashing safety light**
- **Speed: from 4 to 6 sec**
- **Available in kit form**

INSTALLATION CHART



1 LIMIT 600
2 CONTROL RADIO
3 COLONNINE
4 PHOTOCELLS
5 KEY OPERATED SWITCH

24V	DESCRIPTION	Wire	Length (1 m / 20 m)	Length (20 m / 50 m)
	Power supply	FROR CEI 20-22 CEI EN 50267-2-1	2 x 1,5 mm²	2 x 2,5 mm²
	Photocell TX		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell RX		4 x 0,5 mm²	4 x 1,0 mm²
	Key operated switch		3 x 0,5 mm²	3 x 1,0 mm²

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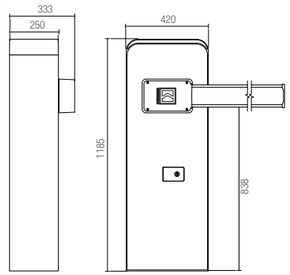
LIMIT 600 ONE

24V Electromechanical barrier raising systems with encoder for residential, industrial or public use. For entrance up to 6 meters



TECHNICAL CHARACTERISTICS

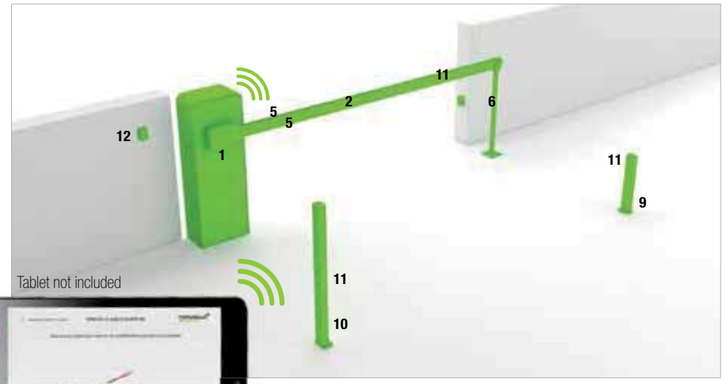
Electrical information	LIMIT 600 ONE
Power supply	230 VAC
Operating power supply	24 VDC
Power consumption	150 W
Current input	6,2 A
Torque	100 Nm
Duty cycle	intensive use
Protection rating (IP)	IP44
Insulation class	2
Working temperature	-20°C / +50°C

ONE TECHNOLOGY

ARTICLE	COLOUR	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
LIMIT 600 ONE		G1L060EEL0R00	Barrier built-in control board 24V For entrance up to 6 m	1 pcs.	65 kg	6

BAR ASSEMBLY AND SPRING CHOICE	LENGTH								
	2,00	2,50	3,00	3,50	4,00	4,50	5,00	5,50	6,00
Bar	●	●	●	●	●	●	●	●	●
Bar with bar cover kit	●	●	●	●	●	●	●	●	●
Bar with bar cover kit and lights	●	●	●	●	●	●	●	●	●
Bar with swing down support	●	●	●	●	●	●	●	●	●
Bar with bar cover kit and swing down support	●	●	●	●	●	●	●	●	●
Bar with bar cover kit, led and swing down support	●	●	●	●	●	●	●	●	●
Bar with curtain	●	●	●	●	●	●	●	●	●
Bar with upper bar cover and curtain	●	●	●	●	●	●	●	●	●
Bar with upper bar cover, led and curtain	●	●	●	●	●	●	●	●	●
Bar with upper bar cover, led, curtain and swing down support	●	●	●	●	●	●	●	●	●

● Small spring AC 530 ● Medium spring AC 540 ● Double spring AC 550



INSTALLATION CHART

1	**1 LIMIT 600 ONE** - G1L060EEL0R00 Barrier 24V, built-in control board
2	**1 AC 655 - 6 m** - GLTBAR6000W00 Aluminium rectangular bar, RAL 9010
3	**1 AC 510** - GLTANCHO80G00 Foundation kit
4	**1 AC 550** - GLTSPRINGHG00 Spring for light bar
5	**1 AC 695** - GLTTOPP600R00 Red barrier bar cover, 6 m
6	**1 AC 560** - GLTFIX0000A00 Arm nesting post
7	**1 AC 700** - GLTSTOPPERW00 Bar end plug
8	**1 AC 710** - GLTPLUG01OW00 Bar end plug
9	**1 MAST 50** - GMAST005N0G00 Extruded aluminium column h 50 cm
10	**1 MAST TWIN 100** - GMAST005N0G00 Extruded aluminium column h 1 meter for photocells and control accessories installation
11	**2 DART ONE** - G1DARTSTN0B00 Photocells DART RX+TX ONE
12	**1 INDEX ONE** - G1INDEXST0B00 Key operated switch
13	**1 AC-51** - G1BATTERL0G00 Battery kit
14	**2 AC 800** - GLTLED5000W00 5 m LED strip
15	**3 AC 770** - GLTSWIFTN0G00 Internal LED lights
16	**1 AC 660** - GLTSTRIP00W00 Reflective adhesive strips

COMUNELLO AUTOMATION

LIMIT 600 ONE

ACCESSORIES from page 198 to 205

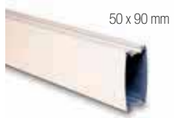
Wi-fi key ONE can be used for all ONE settings (one key for one installer)

Wi-fi connection key
K-ONE / G1KEYWIFL0G00

Outdoor antenna
AC 30 / GANTENNAN0G00

Foundation kit
AC 510 / GLTANCHO80G00

Spring for light bar
AC 530 (light) / GLTSPRINGMG00
AC 540 (medium) / GLTSPRINGHG00
AC 550 (heavy) / GLTSPRINGTG00



Aluminium rectangular bar, RAL 9010
AC 655 - 6m / GLTBAR6000W00

Bar end plug
AC 700 / GLTSTOPPERW00

Bar end plug
AC 715 / GLTPLUG020W00

Bar end plug
AC 710 / GLTPLUG010W00

Red barrier bar cover
AC 695 - 6m / GLTTOPP600R00

90° jointed rod
AC 580 / GLTANG9000G00

Arm nesting post
AC 560 / GLTFIX0000A00

Swing down support for bar
AC 570 / GLTSUPPORTG00

CONTROL ACCESSORIES from page 208 to 243

Battery kit
AC 51 / G1BATTERL0G00

Inductive sensor
AC 240 / GINDUCTON0G00

Internal LED lights
AC 770 (advised 2 pcs) / GLTSWIFTN0G00

5 m LED strip
AC 800 / GLTLED5000W00

Remote control, rolling code 2 ch.
KEEP 2 RC / GKEEP2STN0B00

Kit 5 Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Key operated switch
INDEX ONE / G1INDEXST0B00

Digital switch with radio-controller keypad
TACT RADIO / GTACTRADN0B00

Extruded aluminium column h 50 cm
MAST 50 / GMAST005N0G00

Extruded aluminium column h 1 m for 2 photocells and control accessorie
MAST TWIN 100 / GMASTT10N0G00

SAFETY ACCESSORIES from page 244 to 251

Flashing signal light
SWIFT ONE YELLOW / G1SWIFTSYB00
SWIFT ONE WHITE / G1SWIFTSTWB00

Photocells
DART ONE / G1DARTSTN0B00

2 m curtain
AC 590 / GLTHEDGE02W00

Reflective adhesive strips
AC 660 / GLTSTRIP00W00

Signage table
AC 40 / GSAFETYTN0G00

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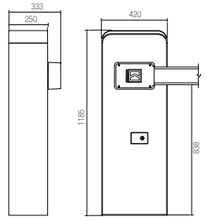
LIMIT 600 ONE DUAL

24V Electromechanical barrier raising systems with encoder for residential, industrial or public use. For entrance up to 6 meters



TECHNICAL CHARACTERISTICS

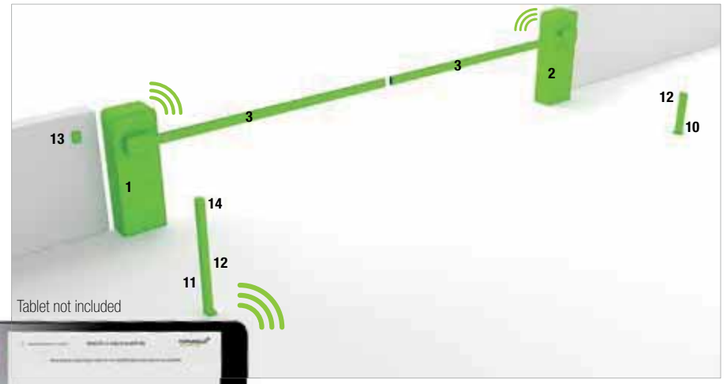
Electrical information	LIMIT 600 ONE DUAL
Power supply	230 VAC
Operating power supply	24 VDC
Power consumption	150 W
Current input	6,2 A
Torque	100 Nm
Duty cycle	intensive use
Protection rating (IP)	IP44
Insulation class	2
Working temperature	-20°C / +50°C

ONE TECHNOLOGY

ARTICLE	COLOUR	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
LIMIT 600 ONE		G1L060EEL0R00	Double Barrier with built-in control board 24V For entrance up to 6 m	1 pcs.	65 kg	6
LIMIT 600 ONE SLAVE		G1L06SEEL0R00		1 pcs.	65 kg	6

BAR ASSEMBLY AND SPRING CHOICE	LENGTH								
	2,00	2,50	3,00	3,50	4,00	4,50	5,00	5,50	6,00
Bar	●	●	●	●	●	●	●	●	●
Bar with bar cover kit	●	●	●	●	●	●	●	●	●
Bar with bar cover kit and lights	●	●	●	●	●	●	●	●	●
Bar with swing down support	●	●	●	●	●	●	●	●	●
Bar with bar cover kit and swing down support	●	●	●	●	●	●	●	●	●
Bar with bar cover kit, led and swing down support	●	●	●	●	●	●	●	●	●
Bar with curtain	●	●	●	●	●	●	●	●	●
Bar with upper bar cover and curtain	●	●	●	●	●	●	●	●	●
Bar with upper bar cover, led and curtain	●	●	●	●	●	●	●	●	●
Bar with upper bar cover, led, curtain and swing down support	●	●	●	●	●	●	●	●	●

● Small spring AC 530 ● Medium spring AC 540 ● Double spring AC 550



INSTALLATION CHART

1	1	**LIMIT 600 ONE** - G1L060EEL0R00 Barrier 24V built-in control board
2	1	**LIMIT 600 ONE SLAVE** - G1L06SEEL0R00 Barrier 24V SLAVE
3	2	**AC 655 - 6 m** - GLTBAR6000W00 Aluminium rectangular bar, RAL 9010
4	4	**AC 695** - GLTTOPP600R00 Red barrier bar cover, 6 m
5	2	**AC 510** - GLTANCHO80G00 Foundation kit
6	2	**AC 560** - GLTFIX0000A00 Arm nesting post
7	2	**AC 700** - GLTSTOPPERW00 Bar end plug
8	2	**AC 710** - GLTPLUG010W00 Bar end plug
9	1	**MAST 50** - GMAST005N0G00 Extruded aluminium column h 50 cm
10	1	**MAST TWIN 100** - GMAST005N0G00 Extruded aluminium column h 1 meter for photocells and control accessories installation
11	2	**DART ONE** - G1DARTSTN0B00 Photocells DART RX+TX ONE
12	1	**INDEX ONE** - G1INDEXST0B00 Key operated switch
13	2	**AC-51** - G1BATTERL0G00 Battery kit
14	4	**AC 800** - GLTLED5000W00 5 m LED strip
15	6	**AC 770** - GLTSWIFTN0G00 Internal LED lights
16	2	**AC 570** - GLTSUPPORTG00 Swing down support mobile
17	2	**AC 660** - GLTSTRIP00W00 Reflective adhesive strips

COMUNELLO AUTOMATION

LIMIT 600 ONE DUAL

ACCESSORIES from page 198 to 205

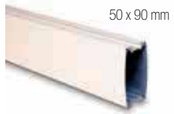
Wi-fi key ONE can be used for all ONE settings (one key for one installer)

Wi-fi connection key
K-ONE / G1KEYWIFL0G00

Outdoor antenna
AC 30 / GANTENNAN0G00

Foundation kit
AC 510 / GLTANCHO80G00

Spring for light bar
AC 530 (light) / GLTSPRINGMG00
AC 540 (medium) / GLTSPRINGHG00
AC 550 (heavy) / GLTSPRINGTG00



Aluminium rectangular bar, RAL 9010
AC 655 - 6m / GLTBAR6000W00

Bar end plug
AC 700 / GLTSTOPPERW00

Bar end plug
AC 715 / GLTPLUG020W00

Bar end plug
AC 710 / GLTPLUG010W00

Red barrier bar cover
AC 695 - 6m / GLTTOPP600R00

90° jointed rod
AC 580 / GLTANG9000G00

Swing down support for bar
AC 570 / GLTSUPPORTG00 **0**

CONTROL ACCESSORIES from page 208 to 243

Battery kit
AC 51 / G1BATTERL0G00

Inductive sensor
AC 240 / GINDUCTN0G00

Internal LED lights
AC 770 (adusea 2 pcs) / GLTSWIFTN0G00

5 m LED strip
AC 800 / GLTLED5000W00

Remote control, rolling code 2 ch.
KEEP 2 RC / GKEEP2STN0B00

Kit 5 Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Key operated switch
INDEX ONE / G1INDEXST0B00

Digital switch with radio-controller keypad
TACT RADIO / GTACTRADN0B00

Extruded aluminium column h 50 cm
MAST 50 / GMAST005N0G00

Extruded aluminium column h 1 m for 2 photocells and control accessorie
MAST TWIN 100 / GMASTT10N0G00

SAFETY ACCESSORIES **from** page 244 to 251

Flashing signal light
SWIFT ONE YELLOW / G1SWIFTSTYB00
SWIFT ONE WHITE / G1SWIFTSTWB00

Photocells
DART ONE / G1DARTSTN0B00

2 m curtain
AC 590 / GLTHEDGE02W00

Reflective adhesive strips
AC 660 / GLTSTRIP00W00

Signage table
AC 40 / GSAFETYTN0G00

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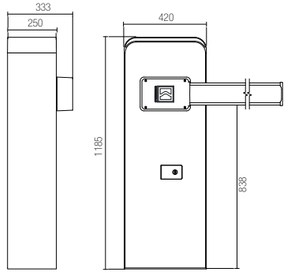
LIMIT 600

24V Electromechanical barrier raising systems with encoder for residential, industrial or public use. For entrance up to 6 meters



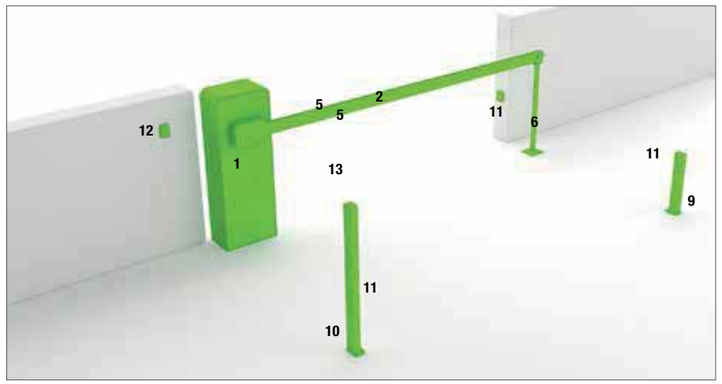
TECHNICAL CHARACTERISTICS

Electrical information	24V
Power supply	230 VAC
Operating power supply	24 VDC
Power consumption	150 W
Current input	6,2 A
Torque	100 Nm
Duty cycle	intensive use
Protection rating (IP)	IP44
Insulation class	2
Working temperature	-20°C / +50°C

ARTICLE	COLOUR	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
LIMIT 600 24V		GLT060EEL0R00	Barrier with built-in control board 24V For entrance up to 5 m	1 pcs.	65 kg	6
	On demand	GLT060EEL0B00				
	inox On demand	GLT060EELIS00		1 pcs.	65 kg	6

BAR ASSEMBLY AND SPRING CHOICE	LENGTH								
	2,00	2,50	3,00	3,50	4,00	4,50	5,00	5,50	6,00
Bar	●	●	●	●	●	●	●	●	●
Bar with bar cover kit	●	●	●	●	●	●	●	●	●
Bar with bar cover kit and lights	●	●	●	●	●	●	●	●	●
Bar with swing down support	●	●	●	●	●	●	●	●	●
Bar with bar cover kit and swing down support	●	●	●	●	●	●	●	●	●
Bar with bar cover kit, led and swing down support	●	●	●	●	●	●	●	●	●
Bar with curtain	●	●	●	●	●	●	●	●	●
Bar with upper bar cover and curtain	●	●	●	●	●	●	●	●	●
Bar with upper bar cover, led and curtain	●	●	●	●	●	●	●	●	●
Bar with upper bar cover, led, curtain and swing down support	●	●	●	●	●	●	●	●	●

● Small spring AC 530 ● Medium spring AC 540 ● Double spring AC 550



INSTALLATION CHART

1	1	**LIMIT 600** - GLT060EEL0B00 Barrier 24V, built-in control board
2	1	**AC 655 - 6 m** - GLTBAR6000W00 Aluminium rectangular bar, RAL 9010
3	1	**AC 510** - GLTANCH080G00 Foundation kit
4	1	**AC 540** - GLTSPRINGHG00 Spring for light bar
5	2	**AC 695** - GLTTOPP600R00 Red barrier bar cover, 6 m
6	1	**AC 560** - GLTFIX0000A00 Arm nesting post
7	1	**AC 700** - GLTSTOPPERW00 Bar end plug
8	1	**AC 710** - GLTPLUG010W00 Bar end plug
9	1	**MAST 50** - GMAST005N0G00 Extruded aluminium column h 50 cm
10	1	**MAST TWIN 100** - GMAST005N0G00 Extruded aluminium column h 1 meter for photocells and control accessories installation
11	2	**DART** - GDARTSTDN0B00 Photocells per esterno
12	1	**INDEX** - GINDEXSTN0B00 Key operated switch
13	1	**AC-50** - GBATTERYL0G00 Battery kit
14	2	**AC 800** - GLTLED5000W00 5 m LED strip
15	3	**AC 770** - GLTSWIFTN0G00 Internal LED lights
16	1	**AC 660** - GLTSTRIP00W00 Reflective adhesive strips

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COMUNELLO AUTOMATION

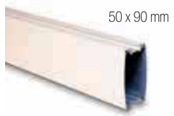
LIMIT 600

ACCESSORIES from page 198 to 205

Outdoor antenna
AC 30 / GANTENNAN0G00

Foundation kit
AC 510 / GLTANCH080G00

Spring for light bar
AC 530 (light) / GLTSPRINGMG00
AC 540 (medium) / GLTSPRINGHG00
AC 550 (heavy) / GLTSPRINGTG00



Aluminium rectangular bar, RAL 9010
AC 655 - 6m / GLTBAR6000W00

Bar end plug
AC 700 / GLTSTOPPERW00

Bar end plug
AC 715 / GLTPLUG020W00

Bar end plug
AC 710 / GLTPLUG010W00

Red barrier bar cover
AC 695 - 6m / GLTTOPP600R00

90° jointed rod
AC 580 / GLTANG9000G00

Arm nesting post
AC 560 / GLTFIX0000A00

Swing down support for bar
AC 570 / GLTSUPPORTG00 **0**

CONTROL ACCESSORIES from page 208 to 243

Battery kit
AC 50 / GBATTERYL0G00

Inductive sensor
AC 240 / GINDUCTON0G00

Internal LED lights
AC 770 (advised 2 pcs) / GLTSWIFTN0G00

5 m LED strip
AC 800 / GLTLED5000W00

Remote control, rolling code 2 ch.
KEEP 2 RC / GKEEP2STN0B00

Kit 5 Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Key operated switch
INDEX / GINDEXSTN0B00

Digital switch with radio-controller keypad
TACT RADIO / GTACTRADN0B00

Extruded aluminium column h 50 cm
MAST 50 / GMAST005N0G00

Extruded aluminium column h 1 m for 2 photocells and control accessorie
MAST TWIN 100 / GMASTT10N0G00

SAFETY ACCESSORIES from page 244 to 251

Flashing signal lights
SWIFT YELLOW / GSWIFTSTLYB00
SWIFT WHITE / GSWIFTSTLWB00

Photocells
DART / GDARTSTDN0B00

2 m curtain
AC 590 / GLTHEDGE02W00

Reflective adhesive strips
AC 660 / GLTSTRIP00W00

Signage table
AC 40 / GSAFETYTN0G00

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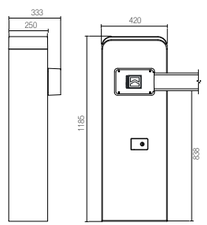
LIMIT 600 DUAL

24V Electromechanical barrier raising systems with encoder for residential, industrial or public use. For entrance up to 6 meters



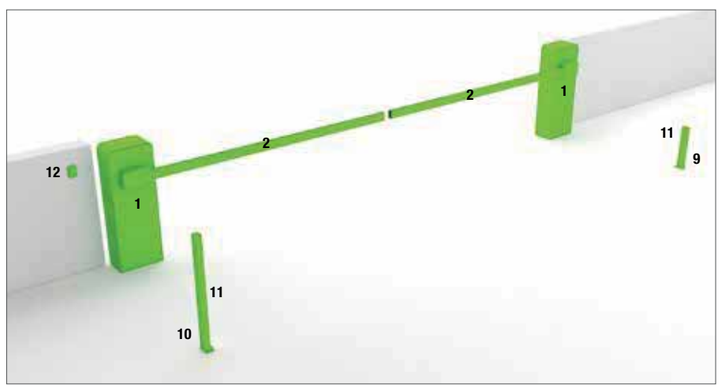
TECHNICAL CHARACTERISTICS

Electrical information	24V
Power supply	230 VAC
Operating power supply	24 VDC
Power consumption	150 W
Current input	6,2 A
Torque	100 Nm
Duty cycle	intensive use
Protection rating (IP)	IP44
Insulation class	2
Working temperature	-20°C / +50°C

ARTICLE	COLOUR	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
LIMIT 600 24V		GLT060EEL0R00	Barrier built-in control board 24V For entrance up to 6 m	1 pcs.	65 kg	6

BAR ASSEMBLY AND SPRING CHOICE	LENGTH								
	2,00	2,50	3,00	3,50	4,00	4,50	5,00	5,50	6,00
Bar	●	●	●	●	●	●	●	●	●
Bar with bar cover kit	●	●	●	●	●	●	●	●	●
Bar with bar cover kit and lights	●	●	●	●	●	●	●	●	●
Bar with swing down support	●	●	●	●	●	●	●	●	●
Bar with bar cover kit and swing down support	●	●	●	●	●	●	●	●	●
Bar with bar cover kit, led and swing down support	●	●	●	●	●	●	●	●	●
Bar with curtain	●	●	●	●	●	●	●	●	●
Bar with upper bar cover and curtain	●	●	●	●	●	●	●	●	●
Bar with upper bar cover, led and curtain	●	●	●	●	●	●	●	●	●
Bar with upper bar cover, led, curtain and swing down support	●	●	●	●	●	●	●	●	●

● Small spring AC 530 ● Medium spring AC 540 ● Double spring AC 550



INSTALLATION CHART

1	2	**LIMIT 600** - GLT060EEL0B00 Barrier 24V, built-in control board
2	2	**AC 655 - 6 m** - GLTBAR6000W00 Aluminium rectangular bar, RAL 9010
3	2	**AC 510** - GLTANCHO80G00 Foundation kit
4	2	AC 550 (heavy) / GLTSPRINGTG00 spring
5	2	**AC 695** - GLTTOPP600R00 Red barrier bar cover, 6 m
6	2	**AC 560** - GLTFIX0000A00 Arm nesting post
7	2	**AC 700** - GLTSTOPPERW00 Bar end plug
8	2	**AC 710** - GLTPLUG010W00 Bar end plug
9	1	**MAST 50** - GMAST005N0G00 Extruded aluminium column h 50 cm
10	1	**MAST TWIN 100** - GMAST005N0G00 Extruded aluminium column h 1 meter for photocells and control accessories installation
11	2	**DART** - GDARTSTDN0B00 Photocells
12	1	**INDEX** - GINDEXSTN0B00 Key operated switch
13	1	**AC-50** - GBATTERYL0G00 Battery kit
14	4	**AC 800** - GLTLED5000W00 5 m LED strip
15	6	**AC 770** - GLTSWIFTN0G00 Internal LED lights
16	2	**AC 570** - GLTSUPPORTG00 Swing down support mobile
17	2	**AC 660** - GLTSTRIP00W00 Reflective adhesive strips

COMUNELLO AUTOMATION

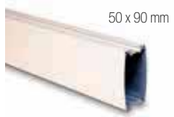
LIMIT 600 DUAL

ACCESSORIES from page 198 to 205

Outdoor antenna
AC 30 / GANTENNANOG00

Foundation kit
AC 510 / GLTANCHO80G00

Spring for light bar
AC 530 (light) / GLTSPRINGMG00
AC 540 (medium) / GLTSPRINGHG00
AC 550 (heavy) / GLTSPRINGTG00



Aluminium rectangular bar, RAL 9010
AC 655 - 6m / GLTBAR6000W00

Bar end plug
AC 700 / GLTSTOPPERW00

Bar end plug
AC 715 / GLTPLUG020W00

Bar end plug
AC 710 / GLTPLUG010W00

Red barrier bar cover
AC 695 - 6m / GLTTOPP600R00

90° jointed rod
AC 580 / GLTANG9000G00

Swing down support for bar
AC 570 / GLTSUPPORTG00

CONTROL ACCESSORIES from page 208 to 243

Battery kit
AC 50 / GBATTERYL0G00

Inductive sensor
AC 240 / GINDUCTON0G00

Internal LED lights
AC 770 (advised 2 pcs) / GLTSWIFTN0G00

5 m LED strip
AC 800 / GLTLED5000W00

Remote control, rolling code 2 ch.
KEEP 2 RC / GKEEP2STN0B00

Kit 5 Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Key operated switch
INDEX / GINDEXSTN0B00

Digital switch with radio-controller keypad
TACT RADIO / GTACTRADN0B00

Extruded aluminium column h 50 cm
MAST 50 / GMAST005N0G00

Extruded aluminium column h 1 m for 2 photocells and control accessorie
MAST TWIN 100 / GMAST10N0G00

SAFETY ACCESSORIES from page 244 to 251

Flashing signal lights
SWIFT YELLOW / GSWIFTSTLYB00
SWIFT WHITE / GSWIFTSTLWB00

Photocells
DART / GDARTSTDN0B00

2 m curtain
AC 590 / GLTHEDGE02W00

Reflective adhesive strips
AC 660 / GLTSTRIP00W00

Signage table
AC 40 / GSAFETYTN0G00

LIMIT 800

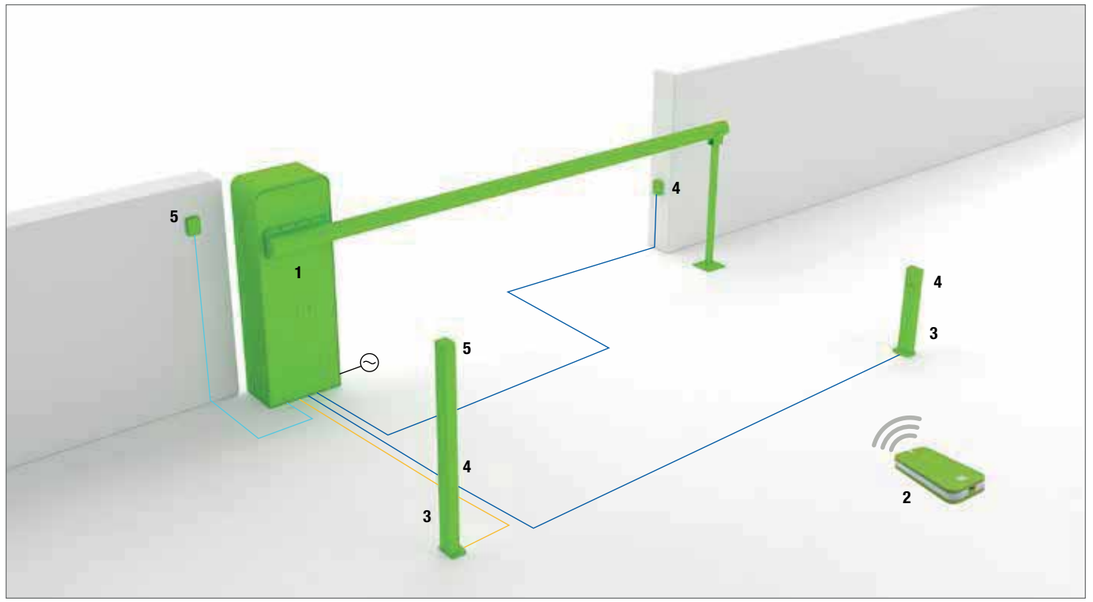
24V Electromechanical barrier raising systems with encoder for residential, industrial or public use. For entrance up to 8 meters

GENERAL INFORMATION

24 VDC

- **Powerful and fast**
  Mod. LIMIT 800, 24 V version
- **Smart**
  Facilitated programming from built-in limit switch and encoder. Transformation from left to right via dip switch
- **Safety**
  In case of impact, movement is automatically stopped. Fold-away emergency release lever. Separate casings for electrical and mechanical components for safe access
- **High performance**
  Aluminium motorreductor and metal gearings. Control electronics are practical and positioned for easy access (upwards). Lightweight, durable bars. 3 balancing spring sizes are available supplied based on bar length
- **Optional version available with built-in flashing safety light**
- **Speed: from 4 to 6 sec**
- **Available in kit form**

INSTALLATION CHART



1 LIMIT 800
2 CONTROL RADIO
3 COLONNINE
4 PHOTOCELLS
5 KEY OPERATED SWITCH

24V	DESCRIPTION	Wire	Length (1 m / 20 m)	Length (20 m / 50 m)
	Power supply	FROR CEI 20-22 CEI EN 50267-2-1	2 x 1,5 mm²	2 x 2,5 mm²
	Photocell TX		2 x 0,5 mm²	2 x 1,0 mm²
	Photocell RX		4 x 0,5 mm²	4 x 1,0 mm²
	Key operated switch		3 x 0,5 mm²	3 x 1,0 mm²

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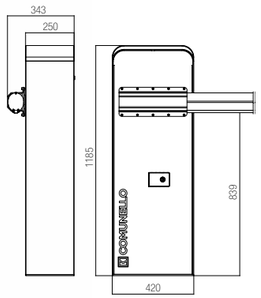
LIMIT 800 ONE

24V Electromechanical barrier raising systems with encoder for residential, industrial or public use. For entrance up to 8 meters



TECHNICAL CHARACTERISTICS

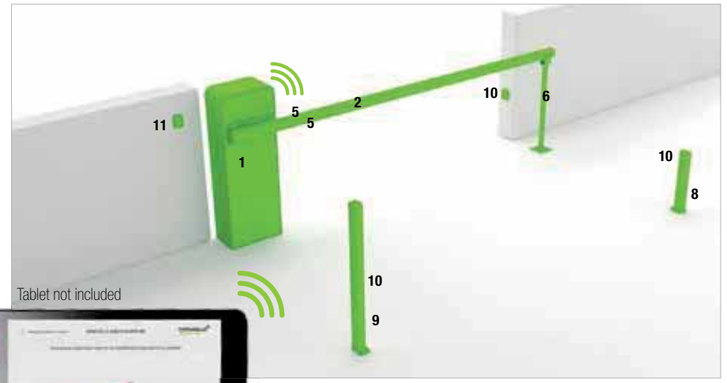
Electrical information	LIMIT 800 ONE
Power supply	230 VAC
Operating power supply	24 VDC
Power consumption	150 W
Current input	6,2 A
Torque	100 Nm
Duty cycle	40%
Protection rating (IP)	IP44
Insulation class	2
Working temperature	-20°C / +50°C

ONE TECHNOLOGY

ARTICLE	COLOUR	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
LIMIT 800 ONE		G1L080EEL0R00	Barrier with built-in control board 24V For entrance up to 8 m	1 pcs.	95 kg	6

BAR ASSEMBLY AND SPRING CHOICE	LENGTH				
	6,00	6,50	7,00	7,50	8,00
Bar with joint, plug	●	●	●	●	●
Bar with joint, plug and lights	●	●	●	●	●
Bar with joint, plug and red barrier bar cover	●	●	●	●	●
Bar with joint, plug, red barrier bar cover and lights	●	●	●	●	●
Bar with joint, plug and swing down support	●	●	●	●	●
Bar with joint, plug, swing down support and lights	●	●	●	●	●
Bar with joint, plug, swing down support, lights and red barrier bar cover	●	●	●	●	●
Bar with joint, plug and curtain	●	●	●	●	
Bar with joint, plug, curtain and lights	●	●	●		
Bar with joint, plug, curtain, lights and swing down support	●	●			

● Double spring AC 550



INSTALLATION CHART

1	**1 LIMIT 800 ONE** - G1L080EEL0R00 Barrier 24V, built-in control board
2	**2 AC 741 - 4 m** - GLTBAR40T0W00 Circular barrier white RAL 9010
3	**1 AC 510** - GLTANCHO80G00 Foundation kit
4	**1 AC 550** - GLTSPRINGHG00 Spring for light bar
5	**2 AC 681** - GBRTOPP400R00 Red barrier bar cover, 4 m
6	**1 AC 560** - GLTFIX0000A00 Arm nesting post
7	**1 AC 700** - GLTSTOPPERW00 Bar end plug
8	**1 MAST 50** - GMAST005N0G00 Extruded aluminium column h 50 cm
9	**1 MAST TWIN 100** - GMAST005N0G00 Extruded aluminium column h 1 meter for photocells and control accessories installation
10	**2 DART ONE** - G1DARTSTN0B00 Photocells DART RX+TX ONE
11	**1 INDEX ONE** - G1INDEXST0B00 Key operated switch
12	**1 AC-51** - G1BATTERL0G00 Battery kit
13	**2 AC 770** - GLTSWIFTN0G00 Internal LED lights
14	**1 AC 660** - GLTSTRIP00W00 Reflective adhesive strips

COMUNELLO AUTOMATION

LIMIT 800 ONE

ACCESSORIES from page 198 to 205

Wi-fi key ONE can be used for all ONE settings (one key for one installer)

Wi-fi connection key
K-ONE / G1KEYWIFL0G00

Outdoor antenna
AC 30 / GANTENNAN0G00

Foundation kit
AC 510 / GLTANCHO80G00

Spring for light bar
AC 540 (medium) / GLTSPRINGHG00
AC 550 (heavy) / GLTSPRINGTG00

Bar end plug
AC 700 / GLTSTOPPERW00

Circular barrier white RAL 9010
AC 731-3m / GLTBAR30T0W00
AC 741-4m / GLTBAR40T0W00
AC 751-5m / GLTBAR50T0W00

Round bar joint
AC 765 / GLTJOINTT0G00

Red barrier bar cover
AC 671 - 3m / GBRTOPP300R00
AC 681 - 4m / GBRTOPP400R00
AC 691 - 5m / GBRTOPP500R00

Swing down support for bar
AC 570 / GLTSUPPORTG00

Round bar plug
AC 719 / GLTPLUG040W00

CONTROL ACCESSORIES from page 208 to 243

Battery kit
AC 51 / G1BATTERL0G00

Inductive sensor
AC 240 / GINDUCTON0G00

Internal LED lights
AC 770 (advised 2 pcs.) / GLTSWIFTN0G00

8 m LED strip
AC 778 / GLTLED80T0W00

Remote control, rolling code 2 ch.
KEEP 2 RC / GKEEP2STN0B00

Kit 5 Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Key operated switch
INDEX ONE / G1INDEXST0B00

Digital switch with radio-controller keypad
TACT RADIO / GTACTRADN0B00

Extruded aluminium column h 50 cm
MAST 50 / GMAST005N0G00

Extruded aluminium column h 1 m for 2 photocells and control accessorie
MAST TWIN 100 / GMASTT10N0G00

SAFETY ACCESSORIES from page 244 to 251

Flashing signal light
SWIFT ONE YELLOW / G1SWIFTSTYB00
SWIFT ONE WHITE / G1SWIFTSTWB00

Photocells
DART ONE / G1DARTSTN0B00

2 m curtain
AC 590 / GLTHEDGE02W00

Reflective adhesive strips
AC 660-30 pcs. / GLTSTRIP00W00

Signage table
AC 40 / GSAFETYTN0G00

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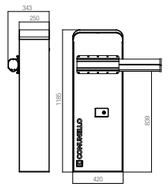
LIMIT 800 ONE DUAL

24V Electromechanical double barrier raising systems with encoder for residential, industrial or public use For entrance up to 8 m

TECHNICAL CHARACTERISTICS

Electrical information	LIMIT 800 DUAL ONE
Power supply	230 VAC
Operating power supply	24 VDC
Power consumption	150 W
Current input	6,2 A
Torque	100 Nm
Duty cycle	40%
Protection rating (IP)	IP44
Insulation class	2
Working temperature	-20°C / +50°C



ONE TECHNOLOGY

ARTICLE	COLOUR	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
LIMIT 800 ONE		G1L080EEL0R00	Double Barrier with built-in control board 24V For entrance up to 8 m	1 pcs.	95 kg	6
LIMIT 800 ONE SLAVE		G1L086EEL0R00		1 pcs.	95 kg	6

BAR ASSEMBLY AND SPRING CHOICE	LENGTH				
	6,00	6,50	7,00	7,50	8,00
Bar with joint, plug	●	●	●	●	●
Bar with joint, plug and lights	●	●	●	●	●
Bar with joint, plug and red barrier bar cover	●	●	●	●	●
Bar with joint, plug, red barrier bar cover and lights	●	●	●	●	●
Bar with joint, plug and swing down support	●	●	●	●	●
Bar with joint, plug, swing down support and lights	●	●	●	●	●
Bar with joint, plug, swing down support, lights and red barrier bar cover	●	●	●	●	●
Bar with joint, plug and curtain	●	●	●	●	
Bar with joint, plug, curtain and lights	●	●	●		
Bar with joint, plug, curtain, lights and swing down support	●	●			

● Double spring AC 550

INSTALLATION CHART

1	1	**LIMIT 800 ONE** - G1L080EEL0R00 Barrier 24V, built-in control board
2	1	**LIMIT 800 ONE SLAVE** - G1L086EEL0R00 Barrier 24V, SLAVE
3	4	**AC 741 - 4 m** - GLTBAR40T0W00 Circular barrier white RAL 9010
4	4	**AC 681** - GBRTOPP400R00 Red barrier bar cover, 4 m
5	4	**AC 681** - GBRTOPP400R00 Red barrier bar cover, 4 m
6	1	**AC 550** - GLTSPRINGHG00 Spring for light bar
7	1	**MAST 50** - GMAST005N0G00 Extruded aluminium column h 50 cm
8	1	**MAST TWIN 100** - GMAST005N0G00 Extruded aluminium column h 1 meter for photocells and control accessories installation
9	2	**DART ONE** - G1DARTSTN0B00 Photocells DART RX+TX ONE
10	1	**INDEX ONE** - G1INDEXST0B00 Key operated switch
11	5	**AC 800** - GLTLED5000W00 5 m LED strip
12	2	**AC-51** - G1BATTERL0G00 Battery kit
13	6	**AC 770** - GLTSWIFTN0G00 Internal LED lights
14	2	**AC 570** - GLTSUPPORTG00 Swing down support mobile

COMUNELLO AUTOMATION

LIMIT 800 ONE DUAL

ACCESSORIES from page 198 to 205

Wi-fi key ONE can be used for all ONE settings (one key for one installer)

Wi-fi connection key
K-ONE / G1KEYWIFL0G00

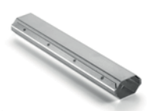
Outdoor antenna
AC 30 / GANTENNAN0G00

Foundation kit
AC 510 / GLTANCHO80G00

Spring for light bar
AC 550 (heavy) / GLTSPRINGTG00

Bar end plug
AC 700 / GLTSTOPPERW00

Circular barrier white RAL 9010
AC 731-3m / GLTBAR30T0W00
AC 741-4m / GLTBAR40T0W00
AC 751-5m / GLTBAR50T0W00



Round bar joint
AC 765 / GLTJOINTT0G00

Red barrier bar cover
AC 671 - 3m / GBRTOPP300R00
AC 681 - 4m / GBRTOPP400R00
AC 691 - 5m / GBRTOPP500R00

Swing down support for bar
AC 570 / GLTSUPPORTG00

Round bar plug
AC 719 / GLTPLUG040W00

CONTROL ACCESSORIES from page 208 to 243

Battery kit
AC 51 / G1BATTERL0G00

Inductive sensor
AC 240 / GINDUCTON0G00

Internal LED lights
AC 770 (advised 2 pcs) / GLTSWIFTN0G00

8 m LED strip
AC 778 / GLTLED80T0W00

Remote control, rolling code 2 ch.
KEEP 2 RC / GKEEP2STN0B00

Kit 5 Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Key operated switch
INDEX ONE / G1INDEXST0B00

Digital switch with radio-controller keypad
TACT RADIO / GTACTRADN0B00

Extruded aluminium column h 50 cm
MAST 50 / GMAST005N0G00

Extruded aluminium column h 1 m for 2 photocells and control accessorie
MAST TWIN 100 / GMAST110N0G00

SAFETY ACCESSORIES from page 244 to 251

Flashing signal light
SWIFT ONE YELLOW / G1SWIFTSTYB00
SWIFT ONE WHITE / G1SWIFTSTWB00

Photocells
DART ONE / G1DARTSTN0B00

2 m curtain
AC 590 / GLTHEDGE02W00

Reflective adhesive strips
AC 660-30 pcs. / GLTSTRIP00W00

Signage table
AC 40 / GSAFETYTN0G00

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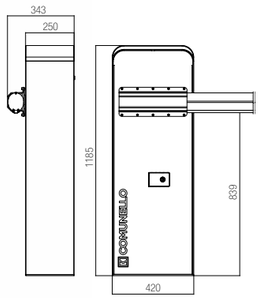
LIMIT 800

24V Electromechanical barrier raising systems with encoder for residential, industrial or public use. For entrance up to 8 meters



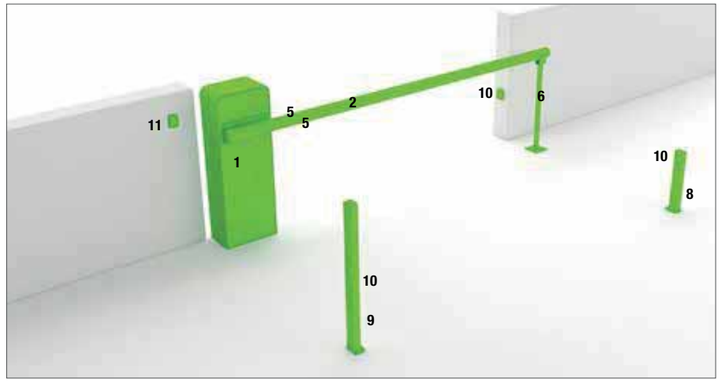
TECHNICAL CHARACTERISTICS

Electrical information	LIMIT 800
Power supply	230 VAC
Operating power supply	24 VDC
Power consumption	150 W
Current input	6,2 A
Torque	100 Nm
Duty cycle	40%
Protection rating (IP)	IP44
Insulation class	2
Working temperature	-20°C / +50°C

ARTICLE	COLOUR	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
LIMIT 800 24V		GLT080EEL0R00	Barrier with built-in control board 24V For entrance up to 8 m	1 pcs.	95 kg	6
	On demand	GLT080EEL0B00				
	inox On demand	GLT080EELIS00		1 pcs.	95,5 kg	6

BAR ASSEMBLY AND SPRING CHOICE	LENGTH				
	6,00	6,50	7,00	7,50	8,00
Bar with joint, plug	●	●	●	●	●
Bar with joint, plug and lights	●	●	●	●	●
Bar with joint, plug and red barrier bar cover	●	●	●	●	●
Bar with joint, plug, red barrier bar cover and lights	●	●	●	●	●
Bar with joint, plug and swing down support	●	●	●	●	●
Bar with joint, plug, swing down support and lights	●	●	●	●	●
Bar with joint, plug, swing down support, lights and red barrier bar cover	●	●	●	●	●
Bar with joint, plug and curtain	●	●	●	●	
Bar with joint, plug, curtain and lights	●	●	●		
Bar with joint, plug, curtain, lights and swing down support	●	●			

● Double spring AC 550



INSTALLATION CHART

1	1 **LIMIT 800** - GLT080EEL0R00	Barrier with built-in control board 24V veloce
2	2 **AC 741 - 4 m** - GLTBAR40T0W00	Circular barrier white RAL 9010
3	1 **AC 510** - GLTANCHO80G00	Foundation kit
4	1 **AC 550** - GLTSPRINGHG00	Spring for light bar
5	2 **AC 681** - GBRTOPP400R00	Red barrier bar cover, 4 m
6	1 **AC 560** - GLTFIX0000A00	Arm nesting post
7	1 **AC 700** - GLTSTOPPERW00	Bar end plug
8	1 **MAST 50** - GMAST005N0G00	Extruded aluminium column h 50 cm
9	1 **MAST TWIN 100** - GMAST005N0G00	Extruded aluminium column h 1 meter for photocells and control accessories installation
10	2 **DART** - GDARTSTDN0B00	Photocells per esterno
11	1 **INDEX** - GINDEXSTN0B00	Key operated switch
12	1 **AC-50** - GBATTERYL0G00	Battery kit
13	3 **AC 800** - GLTLED5000W00	5 m LED strip
14	2 **AC 770** - GLTSWIFTN0G00	Internal LED lights
15	1 **AC 660** - GLTSTRIP00W00	Reflective adhesive strips

COMUNELLO AUTOMATION

LIMIT 800

ACCESSORIES from page 198 to 205

Outdoor antenna
AC 30 / GANTENNANOG00

Foundation kit
AC 510 / GLTANCHO80G00

Spring for light bar
AC 550 (heavy) / GLTSPRINGTG00

Bar end plug
AC 700 / GLTSTOPPERW00

Circular barrier white RAL 9010
AC 731-3m / GLTBAR30T0W00
AC 741-4m / GLTBAR40T0W00
AC 751-5m / GLTBAR50T0W00

Round bar joint
AC 765 / GLTJOINTT0G00

Red barrier bar cover
AC 690 - 5m / GLTTOPP500R00

Swing down support for bar
AC 570 / GLTSUPPORTG00

Round bar plug
AC 719 / GLTPLUG040W00

CONTROL ACCESSORIES from page 208 to 243

Battery kit
AC 50 / GBATTERYL0G00

Inductive sensor
AC 240 / GINDUCTON0G00

Internal LED lights
AC 770 (adviseed 2 pcs.) / GLTSWIFTN0G00

8 m LED strip
AC 778 / GLTLED80T0W00

Remote control, rolling code 2 ch.
KEEP 2 RC / GKEEP2STN0B00

Kit 5 Remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Key operated switch
INDEX / GINDEXSTN0B00

Digital switch with radio-controller keypad
TACT RADIO / GTACTRADN0B00

Extruded aluminium column h 50 cm
MAST 50 / GMAST005N0G00

Extruded aluminium column h 1 m for 2 photocells and control accessorie
MAST TWIN 100 / GMASTT10N0G00

SAFETY ACCESSORIES from page 244 to 251

Flashing signal lights
SWIFT YELLOW / GSWIFTSTLYB00
SWIFT WHITE / GSWIFTSTLWB00

Photocells
DART / GDARTSTDN0B00

2 m curtain
AC 590 / GLTHEDGE02W00

Reflective adhesive strips
AC 660-30 pcs. / GLTSTRIP00W00

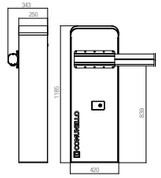
Signage table
AC 40 / GSAFETYTN0G00

LIMIT 800 DUAL

24V Electromechanical double barrier raising systems with encoder for residential, industrial or public use For entrance up to 8 m

TECHNICAL CHARACTERISTICS

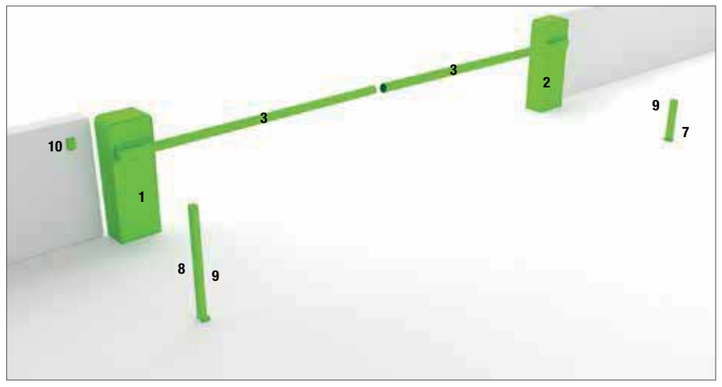
Electrical information	LIMIT 800
Power supply	230 VAC
Operating power supply	24 VDC
Power consumption	150 W
Current input	6,2 A
Torque	100 Nm
Duty cycle	40%
Protection rating (IP)	IP44
Insulation class	2
Working temperature	-20°C / +50°C



ARTICLE	COLOUR	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
LIMIT 800 24V		GLT080EEL0R00	Barrier with built-in control board 24V For entrance up to 8 m	1 pcs.	95 kg	6

BAR ASSEMBLY AND SPRING CHOICE	LENGTH				
	6,00	6,50	7,00	7,50	8,00
Bar with joint, plug	●	●	●	●	●
Bar with joint, plug and lights	●	●	●	●	●
Bar with joint, plug and red barrier bar cover	●	●	●	●	●
Bar with joint, plug, red barrier bar cover and lights	●	●	●	●	●
Bar with joint, plug and swing down support	●	●	●	●	●
Bar with joint, plug, swing down support and lights	●	●	●	●	●
Bar with joint, plug, swing down support, lights and red barrier bar cover	●	●	●	●	●
Bar with joint, plug and curtain	●	●	●	●	
Bar with joint, plug, curtain and lights	●	●	●		
Bar with joint, plug, curtain, lights and swing down support	●	●			

● Double spring AC 550



INSTALLATION CHART

1	**2 LIMIT 800 DUAL** - GLT080EEL0R00 Barrier with built-in control board 24V veloce
2	**4 AC 741 - 4 m** - GLTBAR40T0W00 Circular barrier white RAL 9010
3	**4 AC 681** - GBRTOPP40OR00 Red barrier bar cover, 4 m
4	**2 AC 510** - GLTANCHO80G00 Foundation kit
5	**1 AC 550** - GLTSPRINGHG00 Spring for light bar
6	**1 MAST 50** - GMAST005N0G00 Extruded aluminium column h 50 cm
7	**1 MAST TWIN 100** - GMAST005N0G00 Extruded aluminium column h 1 meter for photocells and control accessories installation
8	**2 DART** - GDARTSTDN0B00 Photocells per esterno
9	**1 INDEX** - GINDEXSTN0B00 Key operated switch
10	**1 AC-50** - GBATTERYL0G00 Battery kit
11	**4 AC 800** - GLTLED5000W00 5 m LED strip
12	**2 AC 770** - GLTSWIFTN0G00 Internal LED lights
13	**2 AC 560** - GLTFIX0000A00 Arm nesting post
14	**2 AC 660** - GLTSTRIP00W00 Reflective adhesive strips

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LIMIT 800 DUAL

ACCESSORIES from page 198 to 205

Outdoor antenna
AC 30 / GANTENNANOG00

Foundation kit
AC 510 / GLTANCHO80G00

Spring for light bar
AC 550 (heavy) / GLTSPRINGTG00

Bar end plug
AC 700 / GLTSTOPPERW00

Circular barrier white RAL 9010
AC 731-3m / GLTBAR30T0W00
AC 741-4m / GLTBAR40T0W00
AC 751-5m / GLTBAR50T0W00

Round bar joint
AC 765 / GLTJOINTT0G00

Red barrier bar cover
AC 690 - 5m / GLTTOPP500R00

Swing down support for bar
AC 570 / GLTSUPPORTG00

Round bar plug
AC 719 / GLTPLUG040W00

CONTROL ACCESSORIES from page 208 to 243

Battery kit
AC 50 / GBATTERYL0G00

Inductive sensor
AC 240 / GINDUCTON0G00

Internal LED lights
AC 770 (adviseed 2 pcs) / GLTSWIFTN0G00

8 m LED strip
AC 778 / GLTLED80T0W00

Remote control, rolling code 2 ch.
KEEP 2 RC / GKEEP2STN0B00

Kit 5 remote control, rolling code 2 ch.
KIT VICTOR / GVCTR2STN5C00

Key poerated switch
INDEX / GINDEXSTN0B00

Digital switch with radio-controller keypad
TACT RADIO / GTACTRADN0B00

Extruded aluminium column h 50 cm
MAST 50 / GMAST005N0G00

Extruded aluminium column h 1 m for 2 photocells and control accessorie
MAST TWIN 100 / GMASTT10N0G00

SAFETY ACCESSORIES from page 244 to 251

Flashing signal lights
SWIFT YELLOW / GSWIFTSTLYB00
SWIFT WHITE / GSWIFTSTLWB00

Photocells
DART / GDARTSTDN0B00

2 m curtain
AC 590 / GLTHEDGE02W00

Reflective adhesive strips
AC 660-30 pcs. / GLTSTRIP00W00

Signage table
AC 40 / GSAFETYTN0G00

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5 Accessories

5.1
MECHANICAL ACCESSORIES 184

5.2
CONTROL UNIT 208

5.3
CONTROL ACCESSORIES 218

5.4
SAFETY ACCESSORIES 244

5.5
WIRING DIAGRAMS 252

AC 30

Outdoor antenna L = 3 m

CODE	ARTICLE	PACKAGE	WEIGHT
GANTENNANOGOO	AC 30	1 pcs.	0,20 kg

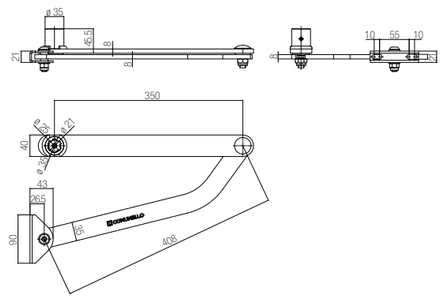
AC 100

Reversible long articulated arm

only for CONDOR 500

CODE	ARTICLE	PACKAGE	WEIGHT
GCR001BANOGOO	AC 100	1 pcs.	2,90 kg

DIMENSIONS



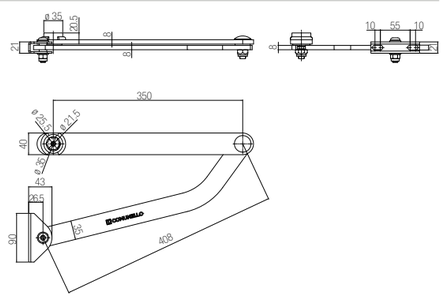
AC 101

Reversible long articulated arm

only for CONDOR 220 / 300

CODE	ARTICLE	PACKAGE	WEIGHT
GCR004BANOGOO	AC 101	1 pcs.	2,90 kg

DIMENSIONS



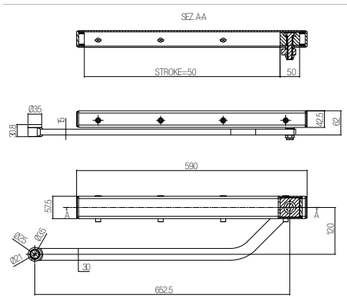
AC 108

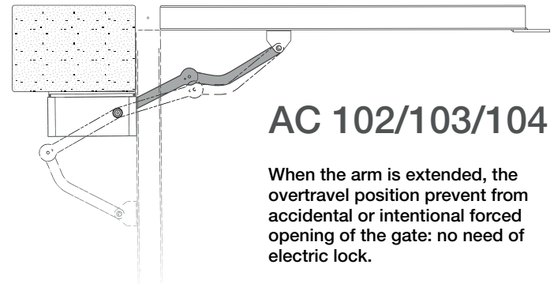
Slide arm CONDOR 220/350 SERIE

For mechanical limit switch

CODE	ARTICLE	PACKAGE	WEIGHT
GCR008BANOBOO	AC 108	1 pcs.	5,10 kg

DIMENSIONS





AC 102/103/104

When the arm is extended, the overtravel position prevent from accidental or intentional forced opening of the gate: no need of electric lock.

COMUNELLO AUTOMATION

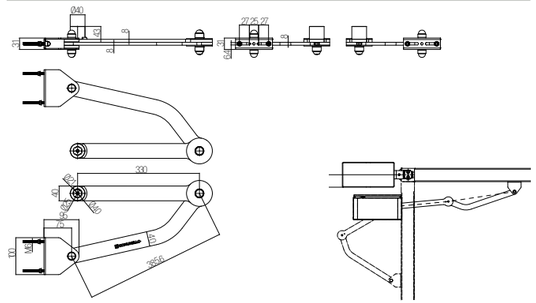
AC 102

Reversible long articulated arm CONDOR 500 SERIE

Coated, with blocking system. For mechanical limit switch

CODE	ARTICLE	PACKAGE	WEIGHT
GCR001BANOBOO	AC 102	1 pcs.	6,30 kg

DIMENSIONS



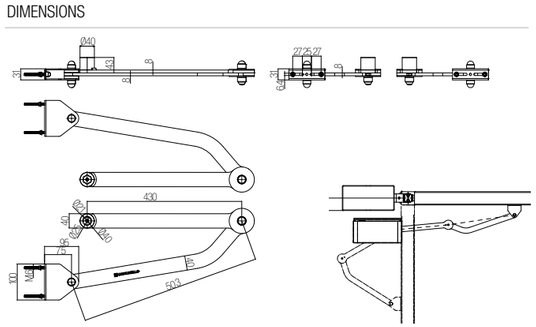
AC 103

Reversible long articulated arm CONDOR 500 SERIE

Coated, with blocking system. For mechanical limit switch

CODE	ARTICLE	PACKAGE	WEIGHT
GCR002BANOBOO	AC 103	1 pcs.	7,40 kg

DIMENSIONS



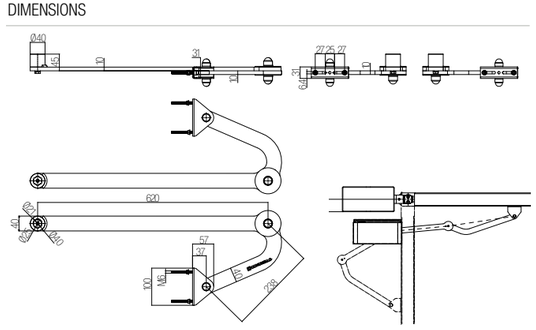
AC 104

Reversible long articulated arm CONDOR 500 SERIE

Coated, with blocking system. For mechanical limit switch

CODE	ARTICLE	PACKAGE	WEIGHT
GCR003BANOBOO	AC 104	1 pcs.	8,20 kg

DIMENSIONS

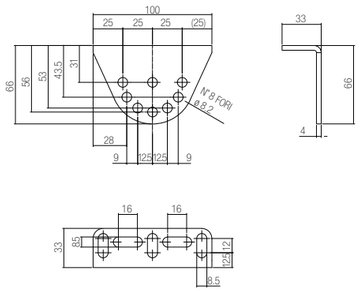


Accessories

AC 60

Galvanized adjustable rear bracket

DIMENSIONS

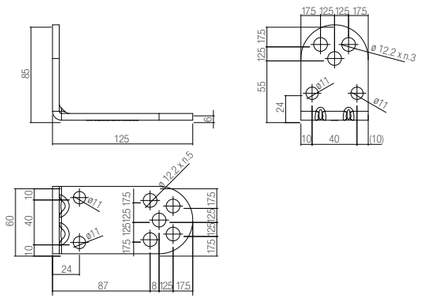


CODE	ARTICLE	PACKAGE	WEIGHT
GAS001ASN0G00	AC 60	1 pcs.	0,17 kg

AC 70

Galvanized adjustable rear bracket

DIMENSIONS

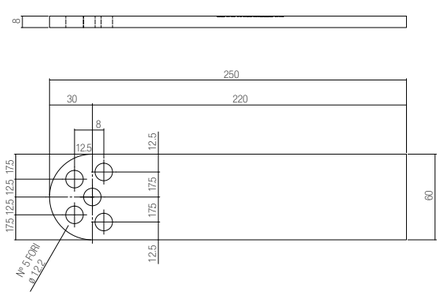


CODE	ARTICLE	PACKAGE	WEIGHT
GAS002ASN0G00	AC 70	1 pcs.	0,50 kg

AC 80

Galvanized long rear bracket

DIMENSIONS

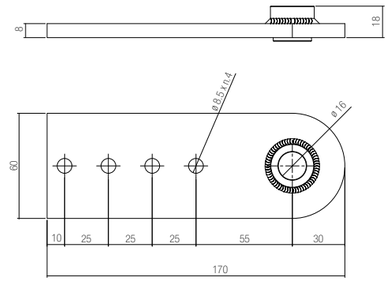


CODE	ARTICLE	PACKAGE	WEIGHT
GAS003ASN0G00	AC 80	1 pcs.	0,90 kg

AC 85

Galvanized adjustable front bracket

DIMENSIONS



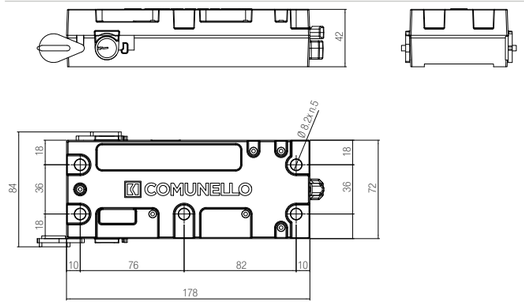
CODE	ARTICLE	PACKAGE	WEIGHT
GAS004ASN0G00	AC 85	1 pcs.	0,90 kg

Accessories

AC 150

Unlocking system with key

DIMENSIONS

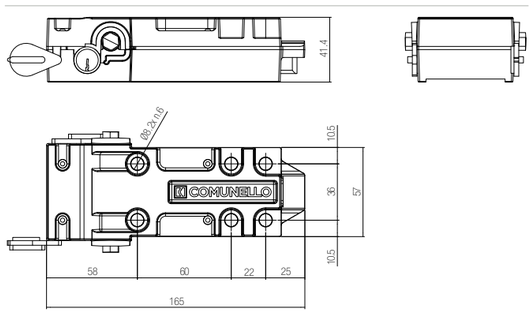


CODE	ARTICLE	PACKAGE	WEIGHT
GEE001SBN0G00	AC 150	1 pcs.	0,55 kg

AC 160

Unlocking system with key and leverage

DIMENSIONS

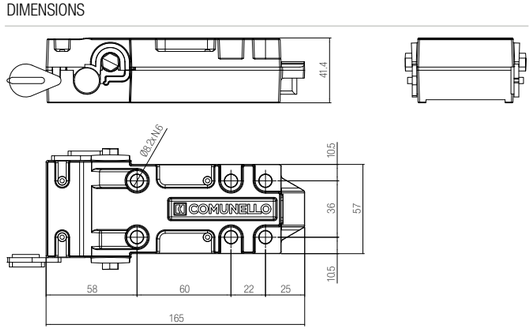


CODE	ARTICLE	PACKAGE	WEIGHT
GEE002SBN0G00	AC 160	1 pcs.	0,65 kg

AC 170

Unlocking system with leverage

DIMENSIONS



CODE	ARTICLE	PACKAGE	WEIGHT
GEE003SBN0G00	AC 170	1 pcs.	0,90 kg

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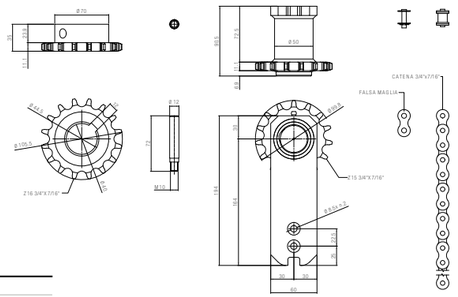
AC 180 - AC 185

360° opening set

DIMENSIONS



CODE	ARTICLE	PACKAGE	WEIGHT
GEE360ASN0G00	AC 180	1 pcs.	3,80 kg
GEE360ASN0G01 (for motors post 2017)	AC 185	1 pcs.	3,80 kg

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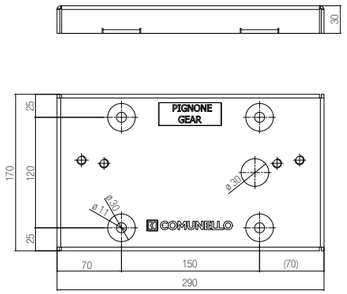
AC 220

Support

DIMENSIONS

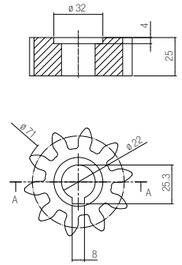


CODE	ARTICLE	PACKAGE	WEIGHT
GFT001AAN0G00	AC 220	1 pcs.	1,80 kg

AC 210

Module 6 sprocket

DIMENSIONS



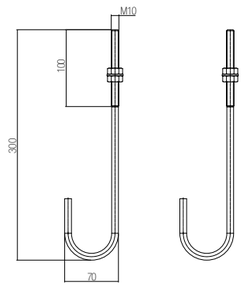
CODE	ARTICLE	PACKAGE	WEIGHT
GFT001CRN0G00	AC 210	1 pcs.	0,40 kg

AC 230

Foundation kit

included with actuator

DIMENSIONS

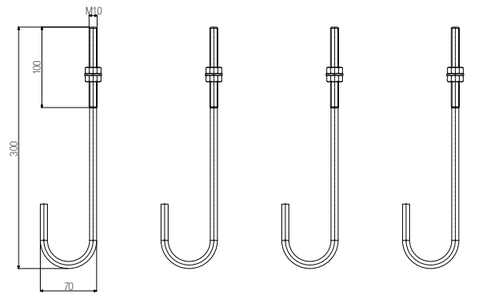


CODE	ARTICLE	PACKAGE	WEIGHT
GROD2M10N0G00	AC 230	1 pcs.	0,45 kg

AC 250

Kit 4 anchor bolts M10

DIMENSIONS

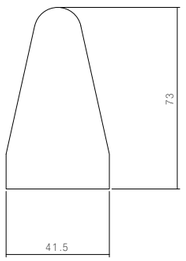


CODE	ARTICLE	PACKAGE	WEIGHT
GROD4M10N0G00	AC 250	1 pcs.	0,98 kg

269

Pressure sensitive safety trim

DIMENSIONS



CODE	ARTICLE	PACKAGE	WEIGHT
10200101	269 L=1000	1 pcs.	1,70 kg
10200103	269 L=1500	1 pcs.	2,10 kg
10200105	269 L=2000	1 pcs.	2,60 kg
10200107	269 L=2500	1 pcs.	3,20 kg

Accessories

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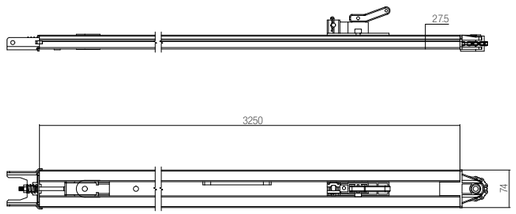
AC 400

3,25 m one-piece chain

DIMENSIONS

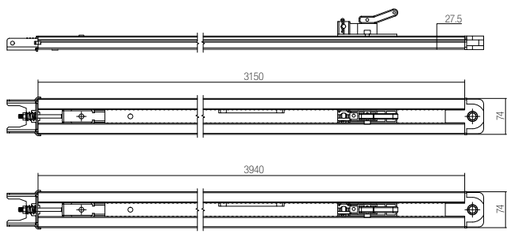


CODE	ARTICLE	PACKAGE	WEIGHT
GRT3250G00G00	AC 400	1 pcs.	8,20 kg

AC 410 / AC 420 / AC 430

3,25 m split or one-piece belt guide

DIMENSIONS

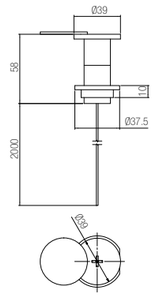


CODE	ARTICLE	PACKAGE	WEIGHT
GRT3250GB0G00	AC 410 - 2 x 1,65 m	1 pcs.	8,60 kg
GRT3250GD0G00	AC 420 - 1 x 3,25 m	1 pcs.	7,40 kg
GRT4000GB0G00	AC 430 - 2 x 2,00 m	1 pcs.	9,60 kg

AC 440

Cable release for traction slide

DIMENSIONS

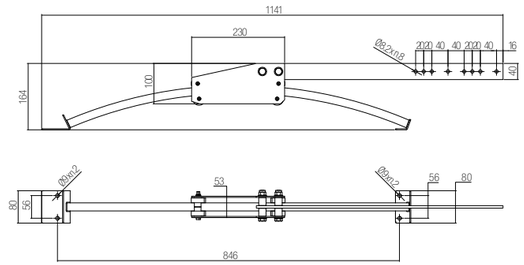


CODE	ARTICLE	PACKAGE	WEIGHT
GRTCORDON0G00	AC 440	1 pcs.	0,40 kg

AC 450

Galvanised swing arm

DIMENSIONS

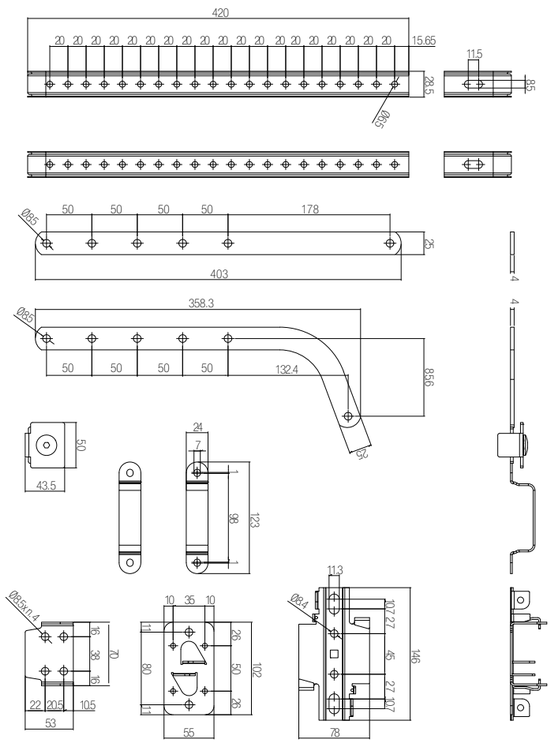


CODE	ARTICLE	PACKAGE	WEIGHT
GRT001ASN0G00	AC 450	1 pcs.	3,70 kg

AC 470

Support bracket kit

DIMENSIONS



CODE	ARTICLE	PACKAGE	WEIGHT
GRT001AAN0G00	AC 470	1 pcs.	0,30 kg

Accessories

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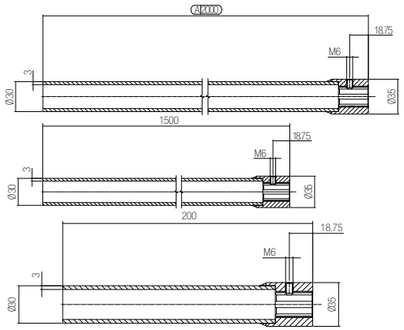
AC 360 / AC 370 / AC 375

Galvanised L2000 / L1500 / L200 return arms

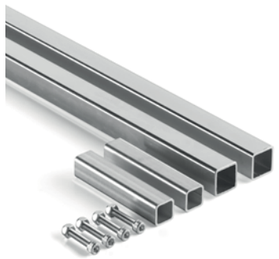
DIMENSIONS



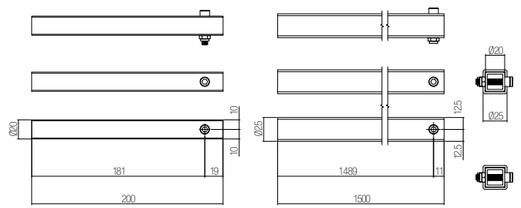
CODE	ARTICLE	PACKAGE	WEIGHT
GST001AAN0G00	AC 360	1 pcs.	6,20 kg
GST002AAN0G00	AC 370	1 pcs.	0,97 kg
GST003AAN0G00	AC 375	1 pcs.	8 kg

AC 361 / AC 371 / AC 376

Square arms



DIMENSIONS

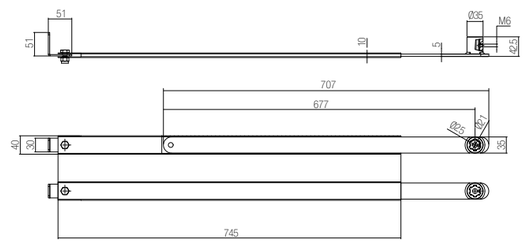


CODE	ARTICLE	PACKAGE	WEIGHT
GST001AQN0G00	AC 361	1 pcs.	6,20 kg
GST002AQN0G00	AC 371	1 pcs.	0,97 kg
GST003AQN0G00	AC 376	1 pcs.	6,20 kg

AC 310

Galvanised straight telescopic arms with ribbed bushings

DIMENSIONS



CODE	ARTICLE	PACKAGE	WEIGHT
GST001ASN0G00	AC 310	1 pcs.	4,10 kg

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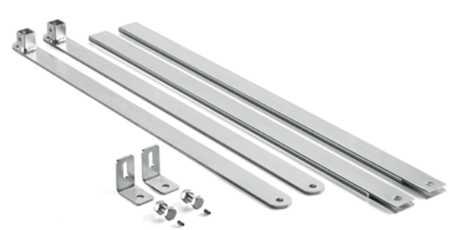
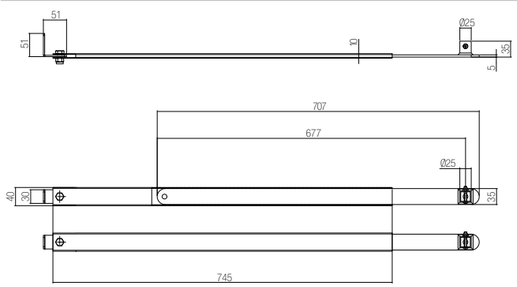
AC 311

Bracci dritti zincati con boccola scanalata



DIMENSIONS

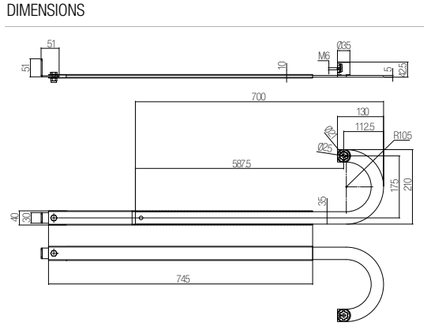


CODE	ARTICLE	PACKAGE	WEIGHT
GST001SQN0G00	AC 311	1 pcs.	4,10 kg

AC 320

Galvanised curved arms with ribbed bushings

DIMENSIONS

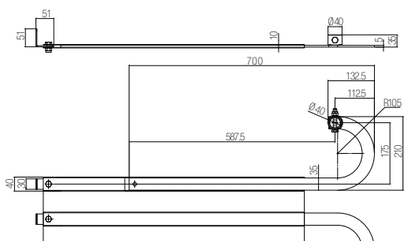


CODE	ARTICLE	PACKAGE	WEIGHT
GST002ASN0G00	AC 320	1 pcs.	4,60 kg

AC 340

Galvanised curved arms with round bushings

DIMENSIONS



CODE	ARTICLE	PACKAGE	WEIGHT
GST004ASN0G00	AC 340	1 pcs.	4,60 kg

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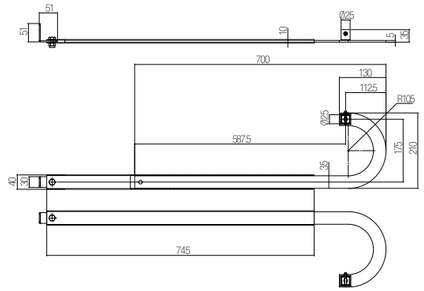
COMUNELLO AUTOMATION

AC 321

Galvanised curved arms with ribbed bushings

CODE	ARTICLE	PACKAGE	WEIGHT
GST002SQN0G00	AC 321	1 pcs.	4,60 kg

DIMENSIONS

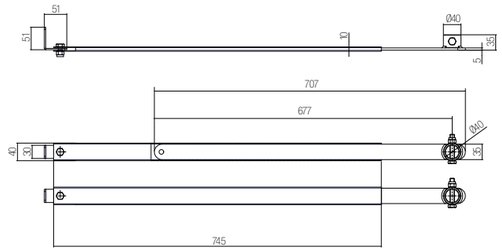


AC 330

Galvanised straight telescopic arms with round bushings

CODE	ARTICLE	PACKAGE	WEIGHT
GST003ASN0G00	AC 330	1 pcs.	4,10 kg

DIMENSIONS

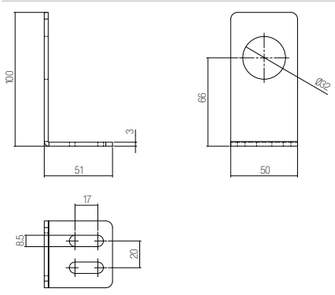


AC 350

Galvanised return arm support bracket

CODE	ARTICLE	PACKAGE	WEIGHT
GST005ASN0G00	AC 350	1 pcs.	0,30 kg

DIMENSIONS

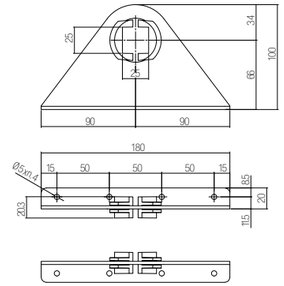


AC 351

Galvanised square arm support bracket

CODE	ARTICLE	PACKAGE	WEIGHT
GST006ASN0600	AC 351	1 pcs.	0,30 kg

DIMENSIONS

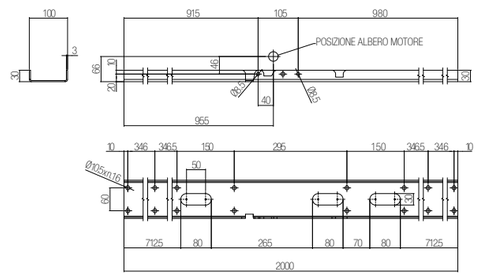


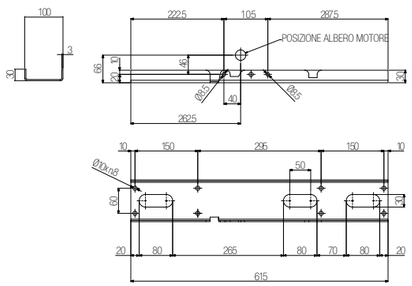
AC 300 / AC 305 / AC 307

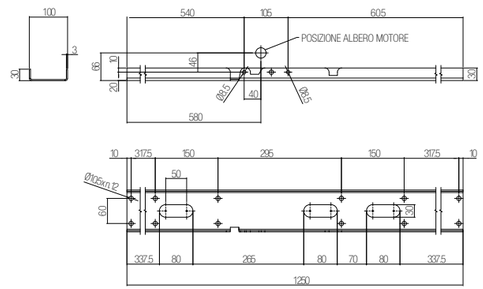
Galvanised support bracket 2000 mm

CODE	ARTICLE	PACKAGE	WEIGHT
GST006ASN0600	AC 300 - 615 mm	1 pcs.	2 kg
GST007ASN0G00	AC 305 - 1250 mm	1 pcs.	4,1 kg
GST008ASN0G00	AC 307 - 2000 mm	1 pcs.	6,5 kg

DIMENSIONS







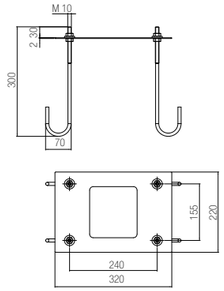
Accessories

AC 500

Foundation kit

BORDER 400 SERIE
LIMIT 500 SERIE

DIMENSIONS



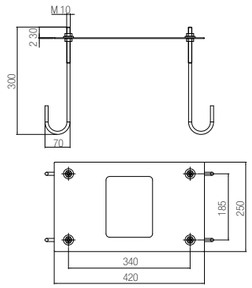
CODE	ARTICLE	PACKAGE	WEIGHT
GLTANCHORDG00	AC 500	1 pcs.	1,80 kg

AC 510

Foundation kit

BORDER 600 SERIE
LIMIT 600 SERIE
LIMIT 800 SERIE

DIMENSIONS



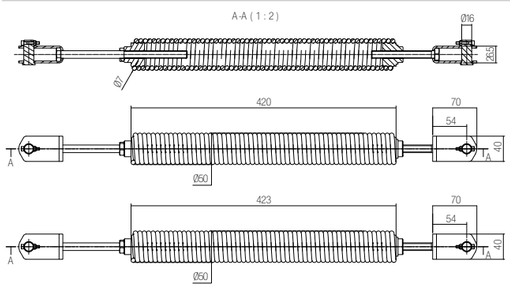
CODE	ARTICLE	PACKAGE	WEIGHT
GLTANCHO80G00	AC 510	1 pcs.	2,20 kg

AC 530

Spring for light bar - 3000

BORDER 400 SERIE
BORDER 600 SERIE
LIMIT 500 SERIE
LIMIT 600 SERIE
LIMIT 800 SERIE

DIMENSIONS



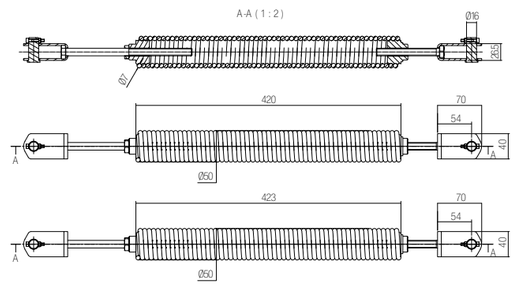
CODE	ARTICLE	PACKAGE	WEIGHT
GLTSPRINGMG00	AC 530 - light	1 pcs.	3,50 kg

AC 540

Spring for light bar - 6000

LIMIT 500 SERIE
LIMIT 600 SERIE

DIMENSIONS



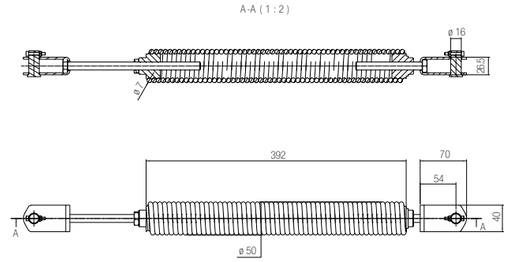
CODE	ARTICLE	PACKAGE	WEIGHT
GLTSPRINGHG00	AC 540 - medium	1 pcs.	3,80 kg

AC 545

Spring for light bar - 6000

BORDER 400 SERIE
BORDER 500 SERIE

DIMENSIONS



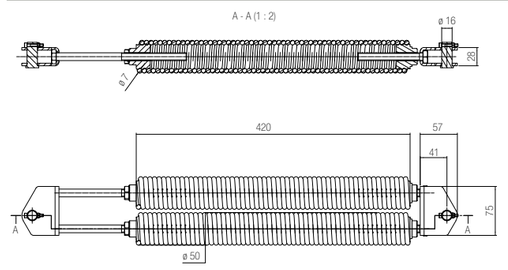
CODE	ARTICLE	PACKAGE	WEIGHT
GBRSPRINGHG00	AC 545 - medium	1 pcs.	3,80 kg

AC 550

Spring for light bar - 8000

LIMIT 500 SERIE
LIMIT 600 SERIE
LIMIT 800 SERIE

DIMENSIONS



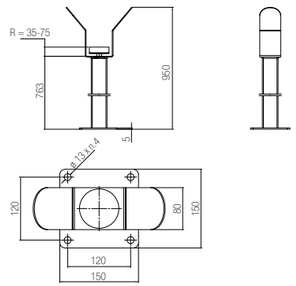
CODE	ARTICLE	PACKAGE	WEIGHT
GLTSPRINGTG00	AC 550 - heavy	1 pcs.	7,10 kg

AC 560

Arm nesting post

BORDER 400 SERIE
BORDER 600 SERIE
LIMIT 500 SERIE
LIMIT 600 SERIE
LIMIT 700 SERIE
LIMIT 800 SERIE

DIMENSIONS



CODE	ARTICLE	PACKAGE	WEIGHT
GLTFIX0000A00	AC 560	1 pcs.	4,60 kg

AC 570

Swing down support for bar

BORDER 400 SERIE
BORDER 600 SERIE
LIMIT 500 SERIE
LIMIT 600 SERIE
LIMIT 700 SERIE
LIMIT 800 SERIE

DIMENSIONS

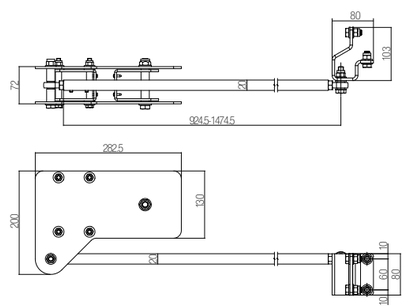
CODE	ARTICLE	PACKAGE	WEIGHT
GLTSUPPORTG00	AC 570	1 pcs.	1 kg

AC 580

90° jointed rod

BORDER 500 SERIE
BORDER 600 SERIE
LIMIT 500 SERIE
LIMIT 600 SERIE

DIMENSIONS



CODE	ARTICLE	PACKAGE	WEIGHT
GLTANG9000G00	AC 580	1 pcs.	6,70 kg

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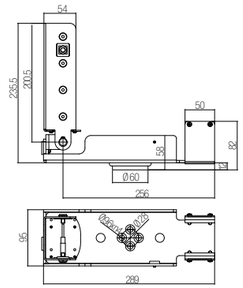
AC 620

clip-out bar connector

BORDER 400 SERIE

DIMENSIONS



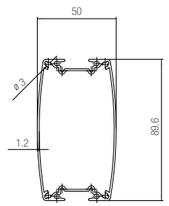
CODE	ARTICLE	PACKAGE	WEIGHT
GBRSTRSRV0G00	AC 620	1 pcs.	2,70 kg

AC 630 / AC 640 / AC 650

Aluminium rectangular bar, RAL 9010

LIMIT 500 SERIE

DIMENSIONS



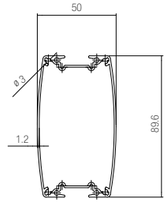
CODE	ARTICLE	PACKAGE	WEIGHT
GLTBAR3000W00	AC 630 - 3 m	1 pcs.	3,50 kg
GLTBAR4000W00	AC 640 - 4 m	1 pcs.	4,70 kg
GLTBAR5000W00	AC 650 - 5 m	1 pcs.	5,90 kg

AC 655

Aluminium rectangular bar, RAL 9010

BORDER 600 SERIE
LIMIT 600 SERIE

DIMENSIONS



CODE	ARTICLE	PACKAGE	WEIGHT
GLTBAR6000W00	AC 655 - 6 m	1 pcs.	7 kg

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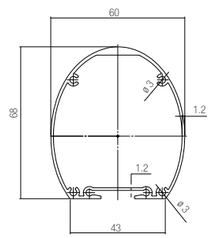
AC 631 / AC 641

Aluminium oval bar, RAL 9010

BORDER 400 SERIE

DIMENSIONS



CODE	ARTICLE	PACKAGE	WEIGHT
GBRBAR3000W00	AC 631 - 3 m	1 pcs.	2,90 kg
GBRBAR4000W00	AC 641 - 4 m	1 pcs.	3,90 kg

AC 670 / AC 680 / AC 690 / AC 695

Red barrier bar cover

BORDER 600 SERIE
LIMIT 500 SERIE
LIMIT 600 SERIE

CODE	ARTICLE	PACKAGE	WEIGHT
GLTTOPP300R00	AC 670 - 3 m	1 pcs.	0,85 kg
GLTTOPP400R00	AC 680 - 4 m	1 pcs.	1,20 kg
GLTTOPP500R00	AC 690 - 5 m	1 pcs.	1,50 kg
GLTTOPP600R00	AC 695 - 6 m	1 pcs.	1,70 kg

AC 671 / AC 681 / AC 691 / AC 696

Red barrier oval bar cover

BORDER 400 SERIE
LIMIT 800 SERIE

CODE	ARTICLE	PACKAGE	WEIGHT
GBRTOPP300R00	AC 671 - 3 m	1 pcs.	0,43 kg
GBRTOPP400R00	AC 681 - 4 m	1 pcs.	0,57 kg
GBRTOPP500R00	AC 691 - 5 m	1 pcs.	0,71 kg
GBRTOPP600R00	AC 696 - 6 m	1 pcs.	0,85 kg

AC 700

Bar end plug

BORDER 600 SERIE
LIMIT 500 SERIE
LIMIT 600 SERIE
LIMIT 800 SERIE

CODE	ARTICLE	PACKAGE	WEIGHT
GLTSTOPPERW00	AC 700	1 pcs.	0,01 kg

AC 705

Tablet plug

BORDER 400 SERIE

CODE	ARTICLE	PACKAGE	WEIGHT
GBRPLUG030W00	AC 705	1 pcs.	0,03 kg

AC 710

Bar end plug

BORDER 600 SERIE
LIMIT 500 SERIE
LIMIT 600 SERIE

CODE	ARTICLE	PACKAGE	WEIGHT
GLTPLUG010W00	AC 710	1 pcs.	0,05 kg

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AC 715

Bar end plug

BORDER 600 SERIE
LIMIT 500 SERIE
LIMIT 600 SERIE

CODE	ARTICLE	PACKAGE	WEIGHT
GLTPLUG020W00	AC 715	1 pcs.	0,04 kg

AC 717

Oval bar end plug

BORDER 400 SERIE

CODE	ARTICLE	PACKAGE	WEIGHT
GBRPLUG010W00	AC 717	1 pcs.	0,03 kg

AC 718

Oval bar end plug

BORDER 400 SERIE

CODE	ARTICLE	PACKAGE	WEIGHT
GBRPLUG020W00	AC 718	1 pcs.	0,03 kg

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AC 719

Round bar end plug

LIMIT 800 SERIE

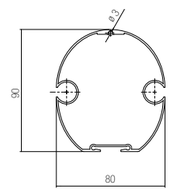
CODE	ARTICLE	PACKAGE	WEIGHT
GLTPLUG040W00	AC 719	1 pcs.	0,20 kg

AC 731 / AC 741 / AC 751

Round bar white RAL 9010

LIMIT 800 SERIE

DIMENSIONS



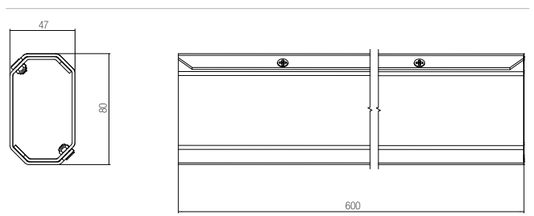
CODE	ARTICLE	PACKAGE	WEIGHT
GLTBAR30T0W00	AC 731- 3 m	1 pcs.	3,70 kg
GLTBAR40T0W00	AC 741 - 4 m	1 pcs.	5,20 kg
GLTBAR50T0W00	AC 751 - 5 m	1 pcs.	6,50 kg

AC 765

Round bar joint

LIMIT 800 SERIE

DIMENSIONS



CODE	ARTICLE	PACKAGE	WEIGHT
GLTJONTT0G00	AC 765	1 pcs.	1,10 kg

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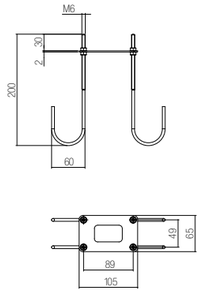
AC 850

Foundation kit for columns

MAST 50
MAST 100
MAST TWIN 100

DIMENSIONS



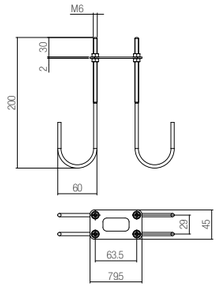
CODE	ARTICLE	PACKAGE	WEIGHT
GROD4M08N0G00	AC 850	1 pcs.	0,90 kg

AC 860

Foundation kit for columns

MAST 50 SLIM

DIMENSIONS



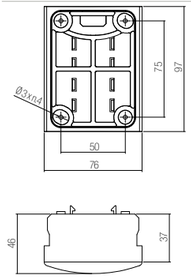
CODE	ARTICLE	PACKAGE	WEIGHT
GROD4S08N0G00	AC 860	1 pcs.	0,90 kg

AC 870

Recessed mounting base for photocell DART

MAST 50
MAST 50 SLIM
MAST 100
MAST TWIN 100

DIMENSIONS



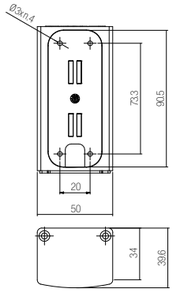
CODE	ARTICLE	PACKAGE	WEIGHT
GMAST0BSN0B00	AC 870	1 pcs.	0,17 kg

AC 875

Recessed mounting base for photocell DART SLIM

MAST 50 SLIM

DIMENSIONS



CODE	ARTICLE	PACKAGE	WEIGHT
GMASTSBSN0B00	AC 870	1 pcs.	0,075 kg

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Accessories

5.2 Control units

COMUNELLO AUTOMATION

QUAD

1 leaf

- 24 VDC
  - ONE TECHNOLOGY basic control unit — P. 212 — **CU-1M ONE**
  - 1 motor basic control unit — P. 212 — **CU-24V-1M**
  - HP control unit — P. 212 — **CU-24V-HP**
- 230 VAC
  - 1 motor basic control unit — P. 212 — **CU-230V-1M**
  - HP control unit — P. 212 — **CU-230V-HP**

2 leaves

- 24 VDC
  - ONE TECHNOLOGY basic control unit — P. 212 — **CU-2M ONE**
  - 2 motors basic control unit — P. 212 — **CU-24V-2M**
  - HP control unit — P. 212 — **CU-24V-HP**
- 230 VAC
  - 2 motors basic control unit — P. 212 — **CU-230V-2M**
  - HP control unit — P. 212 — **CU-230V-HP**

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QUAD ONE

Control unit 1 or 2 motors

24 VDC

QUAD ONE

- 24 V version
- Microprocessor-based functions and encoder input. Combined LED, trimmer and dip switch programming, simple and easy to programme
- Control panel with 1 or 2 motors
- Obstacle detection feature. Power adjustment, slowing system, a wide range of features, simplified wiring and Bus connection for Accessories
- Equipped with built-in Radio receiver and removable code/settings memory card
- Manual or digital setup with wi-fi key K-ONE and tablet or smartphone (not included)

COMPATIBILE WITH

K-ONE

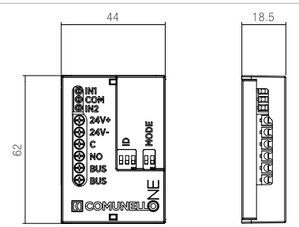
INTERFACE I/O ONE

Input/Output control board

	INTERFACE I/O ONE
Power supply	Powered by BUS
Output relay (dry contact)	24V 1A max (N.O.)
Output indicator	24VDC 20mA max
Input open-close	Dry contact

CODE	ARTICLE	PACKAGE	WEIGHT
G1INTERFLOB00	INTERFACCIA I/O ONE	1 pcs.	1 kg

DIMENSIONS



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QUAD

Control unit 1 or 2 motors

24 VDC 230 VAC

QUAD 1 / QUAD 2

- 230 VAC & 24 VDC versions
- Microprocessor functioning logic. Simple and intuitive programming with LED, trimmer and dip switch
- Control panel with 1 or 2 motors
- Obstacle detection feature (24 VDC version). Power adjustment, slowing system, a wide range of features, inputs and outputs
- Equipped with built-in Radio receiver and removable code/settings memory card
- Limit switch output (1 motor version)
- Limit switch output (2 motors version)

QUAD HP

- Microprocessor-based functions, double encoder input and end stop for two motor outputs. Combined LED, trimmer and dip switch programming, simple and easy to programme
- Obstacle detection feature also for 230V motor with encoder. Power adjustment, slowing system, a wide range of features, inputs and outputs
- Equipped with built-in Radio receiver and removable code/settings memory card
- Automatic programming. Photo test. Wide range of features available
- Auxiliary radio channel
- Programmabile 8K2 input

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QUAD

Control unit

QUAD BASIC

QUAD HP

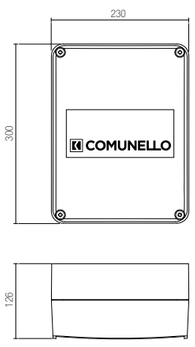
QUAD ONE

ONE TECHNOLOGY

ARTICLE	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALLET
QUAD CU 1M ONE	G1QUAD1ML0G00	Control unit per 1 motore 24V ONE	1 pcs.	3,5 kg	66
QUAD CU 2M ONE	G1QUAD2ML0G00	Control unit per 2 motori 24V ONE	1 pcs.	3,5 kg	66

ARTICLE	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALLET
QUAD 1M 24V	GQUADST1H0G00	Control unit per 1 motore 24V Basic	1 pcs.	3,5 kg	66
QUAD 1M 230V	GQUADST1H0G00	Control unit per 1 motore 230V Basic	1 pcs.	2,1 kg	66
QUAD 2M 24V	GQUADST2L0G00	Control unit per 2 motori 24V Basic	1 pcs.	3,6 kg	66
QUAD 2M 230V	GQUADST250G00	Control unit per 2 motori 230V Basic	1 pcs.	2,2 kg	66
QUAD 24V HP	GQUADHP2L0G00	Control unit per 1/2 motori 24V HP	1 pcs.	3,7 kg	66
QUAD 230V HP	GQUADHP2H0G00	Control unit per 1/2 motori 230V HP	1 pcs.	3,1 kg	66

DIMENSIONS



TECHNICAL CHARACTERISTICS

Electrical information	QUAD CU 1M ONE	QUAD CU 2M ONE
Power supply	230 VAC 50-60Hz	230 VAC 50-60Hz
Operator outputs	24 VDC 50 W max	24 VDC 2X50 W max
Flashing light output	24 VAC 4W max	24 VAC 4W max
Electric lock output	1A max	1A max
Photocells power supply	4 VDC 5 W max	4 VDC 5 W max
Back-up battery input	24 VDC 7/Ah max	24 VDC 7/Ah max
Transmitter op.	18 bit or Rolling Code	18 bit or Rolling Code
Max TX codes stored in memory	400 (CODE PP / CODE PED/2°CH)	400 (CODE PP / CODE PED/2°CH)
Working temperature	-20°C / +50°C	-20°C / +50°C
Dimensions	100x105	100x105

TECHNICAL CHARACTERISTICS

Electrical information	QUAD 24V 1M	QUAD 230V 1M	QUAD 24V 2M	QUAD 230V 2M	QUAD 24V HP	QUAD 230V HP
Power supply	230 VAC 50-60Hz	230 VAC 50-60Hz	230 VAC 50-60Hz	230 VAC 50Hz 1600W max	230 VAC 50-60Hz	230VAC 50Hz 1600W max
Operator outputs	24 VDC 50 W max	230 VAC 500 W max	24 VDC 2x50 W max	24 VAC 2x500 W max	24VDC 2x50 W max	230VAC 2x500 W max
Flashing light output	24 VAC 4W max	24 VAC 4W max	24 VAC 4W max	24 VAC 4W max	24 VDC 25 W max	24 VAC 4W max
Electric lock output	-	-	Dry contact 1A max	Dry contact 1A max	12 VDC 15 W max	12 VDC 15 W max
Warning lamp output	-	-	-	-	24 VDC 4 W max	24 VDC 4 W max
Photocells power supply	4 VDC 5 W max	4 VDC 5 W max	4 VDC 5 W max	4 VDC 5 W max	4 VDC 5 W max	4 VDC 5 W max
Back-up battery input	24 VDC 7/Ah max	-	24 VDC 7A/h max	-	24 VDC 7A/h max	-
Transmitter op.	18 bit or Rolling Code	18 bit or Rolling Code	18 bit or Rolling Code	18 bit or Rolling Code	18 bit or Rolling Code	18 bit or Rolling Code
Max TX codes stored in memory	120 (Code o Code PED/2°CH)	120 (Code o Code PED/2°CH)	120 (Code o Code PED/2°CH)	120 (Code o Code PED/2°CH)	120 (Code o Code PED/2°CH)	120 (Code o Code PED/2°CH)
Working temperature	-20°C / +50°C	-20°C / +50°C	-20°C / +50°C	-20°C / +50°C	-20°C / +50°C	-20°C / +50°C
Dimensions	100x105	100x105	100x105	100x105	160x105	160x10

CU ONE

Electronic control unit 1 motor 24V ONE

CU 24V 1M ONE / G1U00HP1L0G00

Electronic control unit 2 motors 24V ONE

CU 24V 2M ONE / G1U00HP2L0G00

Electronic control unit 2 motors 24V ONE

CU 24V LT ONE / G1ULTHP2L0G00

CU

Electronic control unit 1 motor 24V Basic

CU 24V 1M / GCU00BS1L0G00

Electronic control unit 1 motor 230V Basic

CU 230V 1M / GCU00BS1H0G00

Electronic control unit 2 motors 24V Basic

CU 24V 2M / GCU00BS2L0G00

Electronic control unit 2 motors 230V Basic

CU 230V 2M / GCU00BS2H0G00

Electronic control unit 1 motor 230V Basic

CU 230V FT35 / GCUFTHP2H0G00

Electronic control unit 1/2 motors 24V HP

CU 24V HP / GCU00HP2L0G00

Electronic control unit 1/2 motors 230V HP

CU 230V HP / GCU00HP2H0G00

Electronic control unit 1 motor 24V Basic

CU 24V BR / GCUBRBS1L0G00

Electronic control unit 1 motor 24V Basic

CU 24V LT / GCULTHP2L0G00

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Control units comparison

Electrical info	FUNZIONI	CU 24V 1M	CU 24V 2M	CU 230V 1M	CU 230V 2M	CU 24V HP	CU 230V HP
Motors number		1	2	1	2	2	2
Motors output		24VDC 50W	24VDC 2x50W	230VAC 500W	230VAC 2x500W	24VDC 2x50W	230VAC 2x500W
Flashing/courtesy light output (24Vdc 4W)		•	•			• (25W)	• (indicator light)
Flashing/courtesy light output (24Vac 4W)				•	•		•
2nd flashing light output						• (Indicator light)	• (230VAC)
Indicator light output (24Vdc 4W) Proportional Flash						•	•
User output (24Vdc 5W)						5W max	5W max
Photocells power supply (4Vdc 5W)		•	•	•	•	•	•
External Antenna		•	•	•	•	•	•
Electric Lock Output 12Vdc 15 W			• Voltage free contact		• Voltage free contact	•	•
Contact Output for 2nd RADIO CH (mono/bi-stable)						•	•
Emergency Battery connection		•	•			•	
Photocell 1 (DS1)		•	•	•	•	•	•
Photocell 2 (DS2)			•		•	•	•
Photocell 3 (DS3)						• Programmable	• Programmable
Emergency Stop Input (8k2/NC).		• (Only NC)		• (Only NC)		•	•
Pushbutton input		•	•	•	•	•	•
Pedestrian Pushbutton Input			•		•	•	•
Encoder						•	•
Opening/Closing Limit Switch Input (NC)		•		•		•	•
Battery 24V		•	•			•	
Menu							
Speed/Force Adjustment by trimmer	SPEED / FORCE	•	•	•	•	•	•
Sense Adjustment by trimmer	SENSE	•	•			•	•
Slowing Adjustment by trimmer	SLOWING	Menù 3	Menù 3	•	•	•	•
Opening direction		•		•		•	•
Motor delay order (2M)			Main menu		Main menu	By dip-switch	By dip-switch
Delay Time Adjustment (Delayed Opening/Closing)	DELAY		•		•	•	•
Quick inversion mode (Open-Close-Open)	AUTOMATIC	•	•	•	•	•	•
Steb by step mode (Open-Stop-Close-Stop)	STEP BY STEP	•	•	•	•	•	•
Pause Time Adjustment (Automatic Closing)	PAUSE TIME	•	•	•	•	•	•
Open Only and Close Only buttons	PPED=APRI P/P=CHIUDI					•	•
Condominium Mode	CONDO	•	•	•	•	•	•
Running Time Adjustment (MOTOR TIME)	MOTOR TIME	•	•	•	•	•	•
Auto Programming (Running&Slowing time)	PRG AUTOM	•	•	•		•	•
Remote programming (self learning Radio code)	CODE TX	•	•	•	•	•	•
Hold-to-run (Maintained Action)	HOLD TO RUN	•	•	•	•	•	•
Partial Opening (Pedestrian) Adjustment	PEDESTRIAN TIME	•	•	•	•	•	•
Single Leaf Opening	SINGLE LEAF PUSHBUTTON					•	•
Fototest (Self diagnosis of safety devices)	FOTOTEST	•	•	•	•	•	•
DS1 (reversal of direction during closing)	PHOTOCELL DS1	•	•	•	•	•	•
DS1 (configuration with temporary stop in opening)	DS1 PARTIAL REVERSAL	•	•	•	•	•	•
DS2 (momentary stopping during opening - reversal of direction during closing)	PHOTOCELL DS2		•		•	•	•
DS2 (configuration with momentary stop in closing)	DS2 STP IN CLOSING					•	•
DS3 on PushButton	PEDESTRIAN PUSHBUTTON / DS3					•	•
Follow Me (close 5s after Photo)	FOLLOW ME	•	•	•	•	•	•
Security Closing (After Blackout)	ALWAYS CLOSE	•	•	•	•	•	•
Soft Start	SOFT START	•	•	•	•	•	•
Soft Stop	SOFT CLOSE	•	•	•	•	•	•
Deceleration Enable/Disable	DECELERATION	•	•	•	•	•	•
Electronic Brake	BRAKE	•	•	•	•	•	•
Release Stroke	RELEASE STROKE	•	•	•	•	•	•
Slam Lock	SLAM LOCK	•	•	•	•	•	•
Flashing in pause time	PAUSE FLASHING	•	•	•	•	•	•
Preflashing in opening and closing	PREFLASH	•	•	•	•	•	•

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Barrier control units comparison

COMUNELLO AUTOMATION

CARATTERISTICHE MECCANICHE	LIMIT	BORDER
Beam lenght	5; 6; 8	4; 6
Internal light	•	
Electronic board	24V HP	24V BASIC
Safaty when open the front cover (microswitch)	•	
Opening-closing limit switch	Dip-switch on the lever	Dip-switch on the frame
Unlock	Front, key	Side handle
Synchronization of 2 bariers	•	
Led strip	•	
Encoder	•	
MENU		
Remote control programming	•	•
Barrier working time programming	•	•
Automatic closing	•	•
Setting force in opening cycle	•	•
Setting force in closing cycle	•	•
Setting force in opening slowdown cycle	•	•
Setting force in closing slowdown cycle	•	•
Remote radio control programming	•	•
Push button =open-close or push button =only close	•	
Automatic programming	•	•
Fototest	•	•
Emergency stop-8k2	•	
Opening direction	Dip-switch	Programmable
Photocell DS1 operate also during opening cycle	DS2	•
Electric lock	•	
Arm clamp	•	
Flashing light output control	•	•
Always close	•	•
Follow me	•	•
Preflash	•	•
Led output control (leds always working)	•	
Led output control (leds always with fix light)	•	

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Control units compatibility

		CU 24V 1M	CU 24V 2M	CU 230V 1M	CU 230V 2M	CU 24V HP	CU 230V HP
	CR220 24V FM	•	•			•	
	CR220 24V FE	•				•	
	CR220 24V FE E					•	
	CR220 24V FM SC	•	•			•	
	CR220 230V FM			•	•		•
	CR220 230V FE			•			•
	CR220 230V FE E						•
	CR220 230V FM SC			•	•		•
	CR350 24V FE E					•	
	CR350 24V FE E SC					•	
	CR500 24V FE					•	
	CR500 230V FE			•			•
	AS220 24V FE	•				•	
	AS220 24V FE E					•	
	AS220 230V FM			•	•		•
	AS220 230V FM E						•
	AS300 24V FM	•	•			•	
	AS300 24V FE	•				•	
	AS300 230V FM			•	•		•
	AS300 230V FE			•			•
	AS300 230V FM E						•
	AS500 24V FE E					•	
	AS500 230V FE			•			•
	AS500 230V FM E						•
	EE 24V	•	•			•	
	EE24V EC					•	
	EE 230V			•	•		•
	EE 230V EC						•
	FT400 24V	•				•	
	FT500 230V			•			•
	FT600 24V	•				•	
	FT700 230V			•			•
	FT1000 24V	•				•	
	FT1000 24V MG E					•	
	FT1000 230V B			•			•
	FT1000 230V MG E						•
	FT1500 230V MG E						•
	FT1000 230V MG SC						•
	FT3500 230V MG						•
	FT3500 380V MG						•
	ST 24V					•	
	ST24V SC					•	
	ST 230V			•			•
	ST230V SC			•			•
	ST SLOW 230V			•			•
	ST SLOW 230V SC			•			•

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COMUNELLO AUTOMATION

		CU 24V ONE 1M	CU 24V ONE 2M	CU 24V LT	CU 24V BR	CU 24V LT-ONE	CU 24V LT-ONE SLAVE
	CONDOR 220 ONE	•	•				
	CONDOR 220 SLAVE ONE		•				
	CONDOR 350 ONE	•	•				
	CONDOR 350 SLAVE ONE		•				
	CONDOR 500 ONE	•	•				
	ABACUS 220 ONE	•	•				
	ABACUS 300 ONE	•	•				
	ABACUS 500 ONE	•	•				
	EAGLE ONE	•	•				
	FORT 400 ONE	•	•				
	FORT 600 ONE	•	•				
	FORT 1000 ONE	•	•				
	FORT 1000 ONE MAGNETIC LIMIT	•	•				
	BORDER 400				•		
	BORDER 600				•		
	LIMIT 500			•			
	LIMIT 600			•			
	LIMIT 800			•			
	LIMIT 500 ONE					•	
	LIMIT 500 SLAVE ONE						•
	LIMIT 600 ONE					•	
	LIMIT 600 SLAVE ONE						•
	LIMIT 800 ONE					•	
	LIMIT 800 SLAVE ONE						•

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5.3 Control Accessorieses

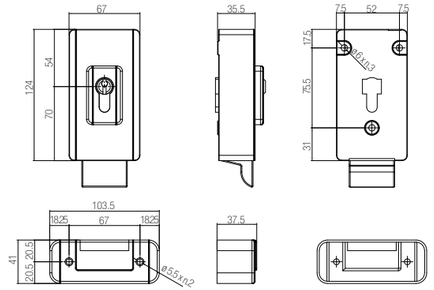
COMUNELLO AUTOMATION

AC 10

12V orizontal electric lock

CODE	ARTICLE	PACKAGE	WEIGHT
GINDEXORMOG00	AC 10	1 pcs.	1,70 kg

DIMENSIONS

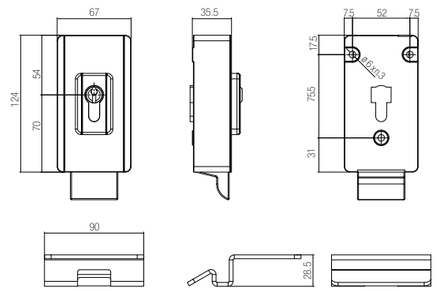


AC 20

12V vertical electric lock

CODE	ARTICLE	PACKAGE	WEIGHT
GINDEXVRMOG00	AC 20	1 pcs.	1,40 kg

DIMENSIONS



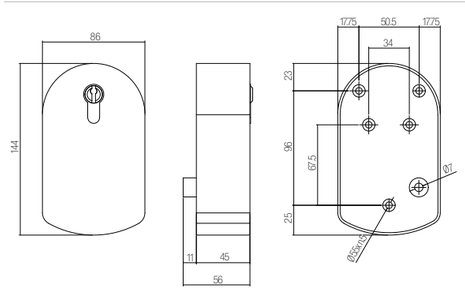
AC 110

Key operated emergency release

CONDOR SERIE

CODE	ARTICLE	PACKAGE	WEIGHT
GCR001SCN0G00	AC 110	1 pcs.	1,20 kg

DIMENSIONS



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AC 120 / AC 130

Kit Cable release for traction slide

CONDOR SERIE

CODE	ARTICLE	PACKAGE	WEIGHT
GCORD025N0B00	AC 120 - 2,5 m	1 pcs.	0,20 kg
GCORD090N0B00	AC 130 - 9 m	1 pcs.	0,70 kg

AC 190

Limit switch set for underground gate

EAGLE SERIE

CODE	ARTICLE	PACKAGE	WEIGHT	
GEE001FIN0B00	AC 190	2 pcs.	0,2 kg	7

AC 200

Magnetic stops Kit

FORT SERIE

CODE	ARTICLE	PACKAGE	WEIGHT
GFT001FIN0G00	AC 200	1 pcs.	0,80 kg

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COMUNELLO AUTOMATION

AC 205

Magnetic stops

FORT SERIE

CODE	ARTICLE	PACKAGE	WEIGHT
GFT002FIN0G00	AC 205	1 pcs.	0,12 kg

AC 240

Inductive sensor

CODE	ARTICLE	PACKAGE	WEIGHT	
GINDUCTON0G00	AC 240	1 pcs.	0,28 kg	9

AC 380

Galvanised external release lever

SALIENT SERIE

CODE	ARTICLE	PACKAGE	WEIGHT
GST001SCN0G00	AC 380	1 pcs.	0,17 kg

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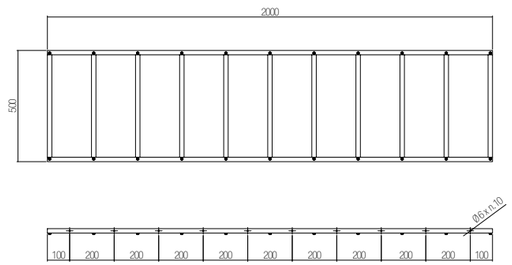
AC 590

2 m curtain

BORDER 600 SERIE
LIMIT 500 SERIE
LIMIT 600 SERIE
LIMIT 800 SERIE

DIMENSIONS



CODE	ARTICLE	PACKAGE	WEIGHT
GLTHEDGE02W00	AC 590	1 pcs.	1,70 kg

AC 660

Reflective stickers

BORDER 400 SERIE
BORDER 600 SERIE
LIMIT 500 SERIE
LIMIT 600 SERIE
LIMIT 800 SERIE

CODE	ARTICLE	PACKAGE	WEIGHT
GLTSTRIP00W00	AC 660	1 pcs.	0,01 kg

AC 770

Internal LED lights

LIMIT 500 SERIE
LIMIT 600 SERIE
LIMIT 800 SERIE

CODE	ARTICLE	PACKAGE	WEIGHT
GLTSWIFTN0G00	AC 770	1 pcs.	0,20 kg

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COMUNELLO AUTOMATION

AC 778

LED strip 8 m

LIMIT 800 SERIE

CODE	ARTICLE	PACKAGE	WEIGHT
GLTLED80T0W00	AC 778	1 pcs.	1,1 kg

AC 800

LED strip 5 m

LIMIT 500 SERIE
LIMIT 600 SERIE

CODE	ARTICLE	PACKAGE	WEIGHT
GLTLED5000W00	AC 800	1 pcs.	0,40 kg

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ELECTRONIC CONTROL BOARD

Wi-fi Electronic control board

ARTICLE	CU 2M ONE	CU 1M ONE	CU LT ONE
CODE	G1U00HP2L0G00	G1U00HP1L0G00	G1ULTHP2L0G00
Power supply	230VAC 50-60Hz	230VAC 50-60Hz	230VAC 50-60Hz
Operator outputs	24VDC 2x50W max	24VDC 1x100W max	24VDC 1x50W max
Flashing light output	24VDC 200mA max	24VDC 200mA max	24VDC 200mA max
Led output	-	-	24VDC 50W max
Electric lock output	24VDC 200mA max	24VDC 200mA max	24VDC 200mA max
Warning light output	BUS Accessories	BUS Accessories	BUS Accessories
Photocells power supply	Powered by BUS	Powered by BUS	Powered by BUS
Back-up battery input	24VDC 7Ah	24VDC 7Ah	24VDC 7Ah
Radio command type	Fixed code and Rolling Code	Fixed code and Rolling Code	Fixed code and Rolling Code
Max codes stored in memory	400 codes	400 codes	400 codes
Working temperature	-20°C +50°C	-20°C +50°C	-20°C +50°C
Dimensions	170x107mm	170x107mm	170x107mm
Other accessories power supply	Powered by BUS	Powered by BUS	Powered by BUS

PACKAGE	WEIGHT
1 pcs.	0,250 kg

GENERAL INFORMATIONS

- All accessories have an extremely easy 2 input bus connection
- The intelligent One control board can identify all peripheral accessories.
- Standard set-up can be achieved with the touch of a button
- Standard set-up can be also achieved with the use of the K-ONE wi-fi key combined with the One App on smartphone or tablet

COMPATIBILE WITH

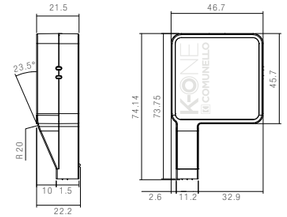
K-ONE

K-ONE

Wi-fi connection key

CODE	PACKAGE	WEIGHT	
G1KEYWIFL0G00	1 pcs.	0,02 kg	8

DIMENSIONS



GENERAL INFORMATIONS

- High-speed bidirectional radio transmitter 2.5 GHz
- Communication based on proprietary protocol
- 20 m range in open air
- Dedicated power supply from the control board

COMPATIBILE WITH

ELETTRONIC CONTROL BOARD

Tablet not included

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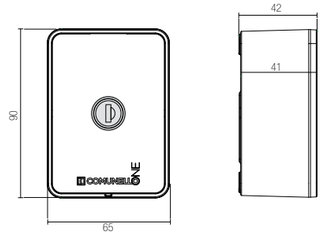
INDEX ONE

Standard key-operated switch

DIMENSIONS



CODE	PACKAGE	WEIGHT
G1INDEXST0B00	1 pcs.	0,248 kg

GENERAL INFORMATIONS

- Key-operated switch with automatic return and euro style lock. Epoxy-coated cast aluminium casing
- Integrated elctronic circuit board with 2 input Bus connections
- Polycarbonate panel hides installation screws
- Casing with key-operated lock for added security

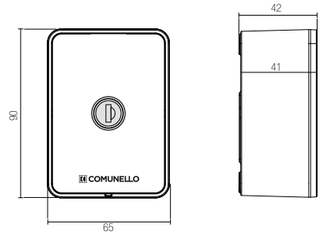
COMPATIBILE WITH

MAST 100

MAST TWIN 100

INDEX

DIMENSIONS



CODE	PACKAGE	WEIGHT
GINDEXSTN0B00	1 pcs.	0,248 kg

GENERAL INFORMATIONS

- Key-operated switch with automatic return and euro style lock. Epoxy-coated cast aluminium casing
- Integrated elctronic circuit board with 3 inputs for simple installation
- Polycarbonate panel hides installation screws
- Casing with key-operated lock for added security

COMPATIBILE WITH

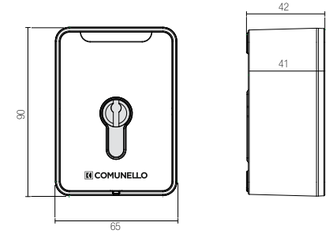
MAST 100

MAST TWIN 100

INDEX EURO

Euro key-operated switch

DIMENSIONS



CODE	PACKAGE	WEIGHT
GINDEXEUN0B00	1 pcs.	0,45 kg

GENERAL INFORMATIONS

- Key-operated switch with automatic return and euro style lock. Epoxy-coated cast aluminium casing
- Integrated elctronic circuit board with 3 inputs for simple installation
- Polycarbonate panel hides installation screws
- Casing with key-operated lock for added security

COMPATIBILE WITH

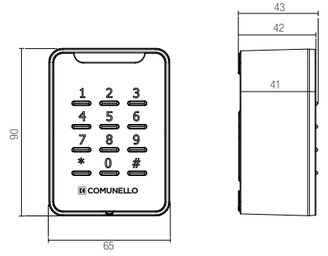
MAST 100

MAST TWIN 100

TACT

Digital switch with keypad

DIMENSIONS



CODE	PACKAGE	WEIGHT
GTACTSTDN0B00	1 pcs.	0,39 kg

GENERAL INFORMATIONS

- 12 key digital switch with 2-wire connection and protective seal to prevent circuit board oxidisation 2 channels
- Rolling Code technology Cast vandal-proof casing
- Decoder compatible with keypad or transponder or a combination of the two

COMPATIBILE WITH

MAST 100

MAST TWIN 100

TACT DEC

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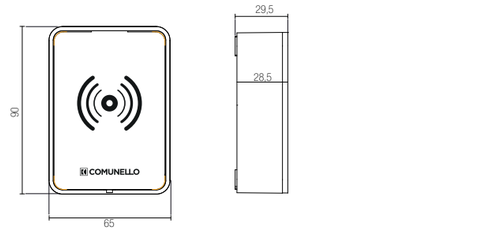
TACT CARD

Switch with transponder

DIMENSIONS



CODE	PACKAGE	WEIGHT	
GTACTCARN0B00	1 pcs.	0,06 kg	1

GENERAL INFORMATIONS

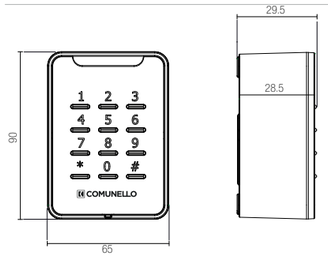
- Switch with transponder and memory for codes. 2 channels which can be connected to 1 decoder with a cable
- Polymer casings with seal
- Used with a decoder for added security. The decoder can be used either with keypads or transponders or both

COMPATIBILE WITH

TACT RADIO

Digital switch with radio-controller keypad

DIMENSIONS



CODE	PACKAGE	WEIGHT	
GTACTRADN0B00	1 pcs.	0,08 kg	3

GENERAL INFORMATIONS

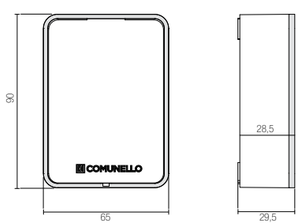
- Digital radio-controlled switch with 2 transmission channels. Complete with protective seal to prevent circuit board oxidisation
- No wiring necessary. 200m range outside without obstacles, 35m inside. Quick and easy to install even in locations where there is no existing wiring
- Rolling Code technology and low power consumption for extra-long battery life
- Courtesy light with light sensor for operation only during night-time hours

COMPATIBILE WITH

TACT DEC

Decoder

DIMENSIONS



CODE	PACKAGE	WEIGHT
GTACTDECN0B00	1 pcs.	0,08 kg

GENERAL INFORMATIONS

- The TACT DEC interface, allows connection of TACT CARD proximity readers and TACT keypad selectors for the transmission of commands generated by a transponder and via the digital keypad, for use in combination with electrical and electronic equipment in general
- Rolling Code technology
- The decoder can be used either with keypads or transponders or both

COMPATIBILE WITH

TACT BADGE

Badge

CODE	PACKAGE	WEIGHT
GTACTCRN0B00	1 pcs.	6 kg

TACT TOKEN

Badge

CODE	PACKAGE	WEIGHT
GTACTTKNN0B00	1 pcs.	0,016 kg

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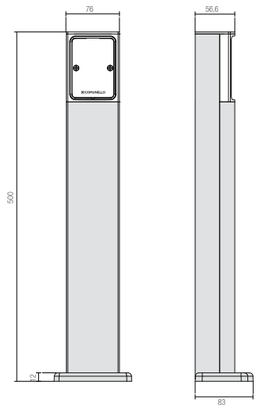
MAST 50

Extruded aluminium column h 50 cm

DIMENSIONS



CODE	PACKAGE	WEIGHT
GMAST005N0G00	1 pcs.	2,2 kg

GENERAL INFORMATIONS

- Robust extruded aluminium coloumn and base for photocell installation in cases where there are no walls or other structures available. These coloumns may also be used as an attractive cover for power cables. The columns are modular and can be assembled by the installer as all profiles need only be cut straight. The columns come in two parts to facilitate wiring. The rear channel allows for the wires to be positioned without interfering with the supports

COMPATIBILE WITH

DART

DART ONE

AC 850

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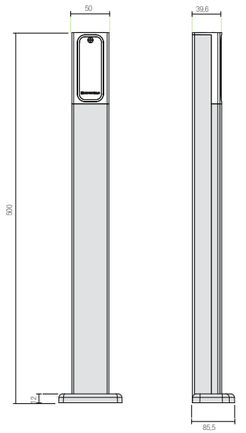
MAST 50 SLIM

Extruded aluminium column h 50 cm, version slim

DIMENSIONS



CODE	PACKAGE	WEIGHT
GMAST505N0G00	1 pcs.	2 kg

GENERAL INFORMATIONS

- Robust extruded aluminium coloumn and base for photocell installation in cases where there are no walls or other structures available. These coloumns may also be used as an attractive cover for power cables. The columns are modular and can be assembled by the installer as all profiles need only be cut straight. The columns come in two parts to facilitate wiring. The rear channel allows for the wires to be positioned without interfering with the supports

COMPATIBILE WITH

DART SLIM

DART SLIM ONE

AC 860

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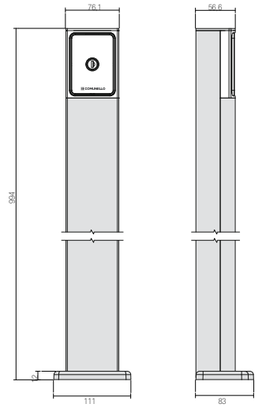
MAST 100

Extruded aluminium column h: 1 m

DIMENSIONS



CODE	PACKAGE	WEIGHT
GMAST010N0G00	1 pcs.	2,1 kg

GENERAL INFORMATIONS

- Robust extruded aluminium coloumn and base for photocells and control accessories installation in cases where there are no walls or other structures available. These coloumns may also be used as an attractive cover for power cables. The columns are modular and can be assembled by the installer as all profiles need only be cut straight. The columns come in two parts to facilitate wiring. The rear channel allows for the wires to be positioned without interfering with the supports

COMPATIBILE WITH

INDEX

INDEX ONE

INDEX EURO

TACT CARD

TACT / TACT RADIO

AC 850

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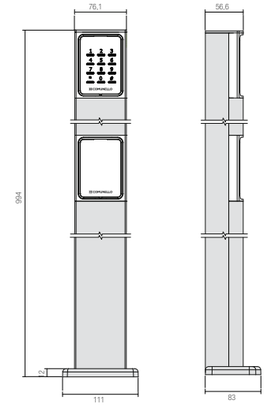
MAST TWIN 100

Extruded aluminium column h 1 meter for photocells and control accessories installation

DIMENSIONS



CODE	PACKAGE	WEIGHT
GMASTS10N0G00	1 pcs.	2 kg

GENERAL INFORMATIONS

- Robust extruded aluminium coloumn and base for photocells and control accessories installation in cases where there are no walls or other structures available. These coloumns may also be used as an attractive cover for power cables. The columns are modular and can be assembled by the installer as all profiles need only be cut straight. The columns come in two parts to facilitate wiring. The rear channel allows for the wires to be positioned without interfering with the supports

COMPATIBILE WITH

INDEX

INDEX ONE

INDEX EURO

TACT CARD

TACT / TACT RADIO

DART

DART ONE

AC 850

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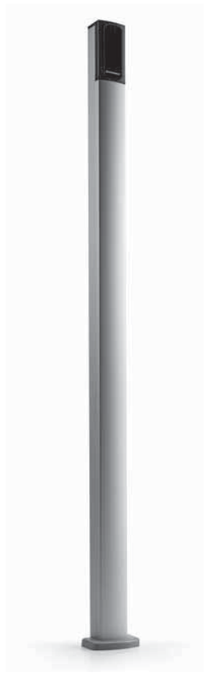
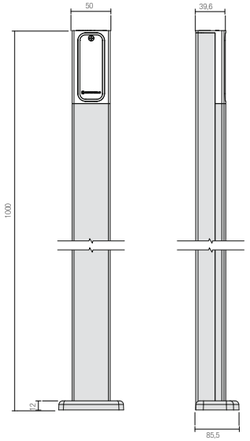
MAST 100 SLIM

Extruded aluminium column h 100 cm, slim version



DIMENSIONS



CODE	PACKAGE	WEIGHT
GMASTS10N0G00	1 pcs.	2,1 kg

GENERAL INFORMATIONS

- Robust extruded aluminium coloumn and base for photocells and control accessories installation in cases where there are no walls or other structures available. These coloumns may also be used as an attractive cover for power cables. The columns are modular and can be assembled by the installer as all profiles need only be cut straight. The columns come in two parts to facilitate wiring. The rear channel allows for the wires to be positioned without interfering with the supports

COMPATIBILE WITH

DART SLIM

DART SLIM ONE

AC 850

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COMUNELLO
AUTOMATION

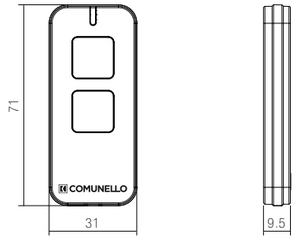
VICTOR

Choice is freedom.

VICTOR 2 RC

2 channel radio command Rolling Code

DIMENSIONS



PACKAGE	WEIGHT
1 pcs.	0,02 kg

GENERAL INFORMATIONS

- With 433.92 Mhz frequencies with rolling-code and fixed code with code copying function. Over 18 million possible combinations guarantee the highest levels of security
- 2 channel Rolling Code technology transmitter
- Soft-touch keys. Elegant, ergonomic design
- Range is over 100 mt in open air, powered by a single 3 VDC battery
- Available in 5 versions

Woodland green
GVCTR2STN0V00

Ocean blue
GVCTR2STN0L00

Saffron yellow
GVCTR2STN0Y00

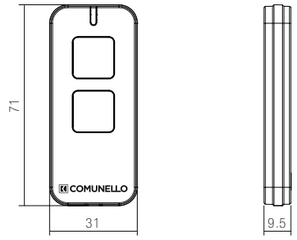
Velvet red
GVCTR2STN0R00

Ardesia
GVCTR2STN0G00

VICTOR 2 SYNC

2 channels for the version with fixed code

DIMENSIONS



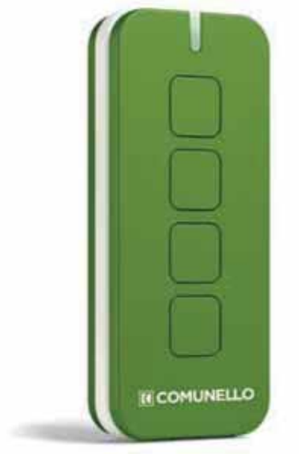
PACKAGE	WEIGHT
1 pcs.	0,02 kg

GENERAL INFORMATIONS

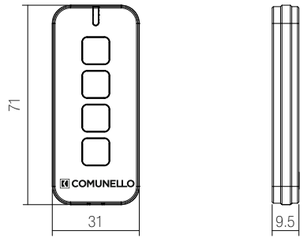
- 433.92 MHz fixed code radio control system with self-learning copy feature and the facility to copy the code from another fixed-code device. Over 18 million possible combinations guarantee the highest levels of security
- 2 channel Rolling Code technology transmitter
- Soft-touch keys. Elegant, ergonomic design
- Range is over 100 mt in open air, powered by a single 3 VDC battery
- Available in 5 versions

VICTOR 4 RC

4 channel radio command Rolling Code



DIMENSIONS



PACKAGE	WEIGHT
1 pcs.	0,02 kg

GENERAL INFORMATIONS

- With 433.92 Mhz frequencies with rolling-code and fixed code with code copying function. Over 18 million possible combinations guarantee the highest levels of security
- 4 channel Rolling Code technology transmitter
- Soft-touch keys. Elegant, ergonomic design
- Range is over 100 mt in open air, powered by a single 3 VDC battery
- Available in 5 versions

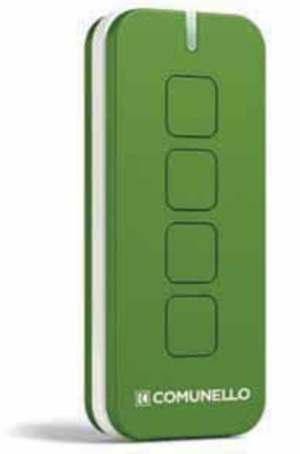
Woodland green
GVCTR4STN0V00

Ocean blue
GVCTR4STN0L00

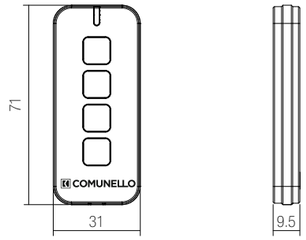
Saffron yellow
GVCTR4STN0Y00

VICTOR 4 SYNC

4 channels for the version with fixed code



DIMENSIONS



PACKAGE	WEIGHT
1 pcs.	0,02 kg

GENERAL INFORMATIONS

- 433.92 MHz fixed code radio control system with self-learning copy feature and the facility to copy the code from another fixed-code device. Over 18 million possible combinations guarantee the highest levels of security
- 4 channel Rolling Code technology transmitter
- Soft-touch keys. Elegant, ergonomic design
- Range is over 100 mt in open air, powered by a single 3 VDC battery
- Available in 5 versions

Velvet red
GVCTR4STN0R00

Ardesia
GVCTR4STN0G00

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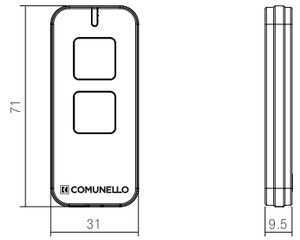
VICTOR 2 868

2 channel radio command Rolling Code 868,46 MHz

Use with RECEIVER 868 (pag. 249)

DIMENSIONS



PACKAGE	WEIGHT
1 pcs.	0,02 kg

GENERAL INFORMATIONS

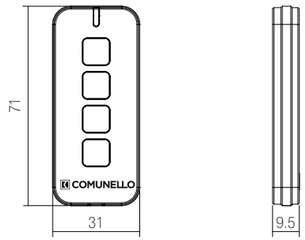
- With 433.92 and 868.46 Mhz frequencies with rolling-code and fixed code with code copying function. Over 18 million possible combinations guarantee the highest levels of security.
- 2 channel Rolling Code technology transmitter
- Soft-touch keys. Elegant, ergonomic design
- Range is over 100 mt in open air, powered by a single 3 VDC battery
- Available in 5 versions

VICTOR 4 868

4 channel radio command Rolling Code 868,46 MHz

Use with RECEIVER 868 (pag. 249)

DIMENSIONS



PACKAGE	WEIGHT
1 pcs.	0,02 kg

GENERAL INFORMATIONS

- With 433.92 and 868.46 Mhz frequencies with rolling-code and fixed code with code copying function. Over 18 million possible combinations guarantee the highest levels of security.
- 4 channel Rolling Code technology transmitter
- Soft-touch keys. Elegant, ergonomic design
- Range is over 100 mt in open air, powered by a single 3 VDC battery
- Available in 5 versions

Woodland green

2 channels - GVCTR2S8N0V00
4 channels - GVCTR4S8N0V00

Ocean blue

2 channels - GVCTR2S8N0L00
4 channels - GVCTR4S8N0L00

Saffron yellow

2 channels - GVCTR2S8N0Y00
4 channels - GVCTR4S8N0Y00

Velvet red

2 channels - GVCTR2S8N0R00
4 channels - GVCTR4S8N0R00

Ardesia

2 channels - GVCTR2S8N0G00
4 channels - GVCTR4S8N0G00

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KIT VICTOR

Kit 5 radio command rolling code, 2 channels

CODE	PACKAGE	WEIGHT
GVCTR2STN5C00	1 kit	0,10 kg

KIT VICTOR 2 RC KIT CONTEN

1 x Woodland green
1 x Ocean blue
1 x Saffron yellow
1 x Velvet red
1 x Ardesia

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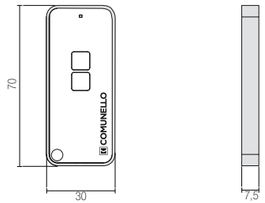
KEEP 2 RC

2 channel radio command Rolling Code

DIMENSIONS



CODE	ARTICLE	PACKAGE	WEIGHT
GKEEP2STN0W00	KEEP 2-RC-W	1 pcs.	0,02 kg
GKEEP2STN0B00	KEEP 2-RC-B	1 pcs.	0,02 kg

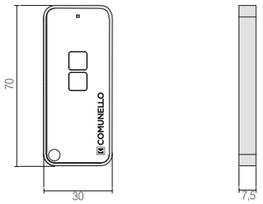
GENERAL INFORMATIONS

- With 433.92 and 868.46 Mhz frequencies with rolling-code and fixed code with code copying function. Over 18 million possible combinations guarantee the highest levels of security
- 2 channel Rolling Code technology transmitters
- Soft-touch keys. Elegant, ergonomic design
- Easy to replace long-life battery
- Available in black or white

KEEP 2 SYNC

2 channels for the version with fixed code

DIMENSIONS



CODE	ARTICLE	PACKAGE	WEIGHT	
GKEEP2SYN0W00	KEEP 2-SY-W	1 pcs.	0,02 kg	**1,00**
GKEEP2SYN0B00	KEEP 2-SY-B	1 pcs.	0,02 kg	**1,00**

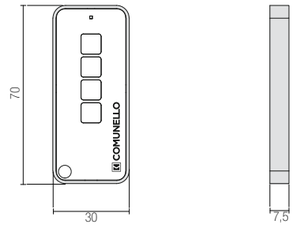
GENERAL INFORMATIONS

- 433.92 MHz rolling code remote control units with auto-learning system and sequential code. Code can be entered by remote via a programming key on the control board
- 2 channel Rolling Code technology transmitters
- Soft-touch keys. Elegant, ergonomic design
- Easy to replace long-life battery
- Available in black or white

KEEP 4 RC

4 channel radio command Rolling Code

DIMENSIONS



CODE	ARTICLE	PACKAGE	WEIGHT
GKEEP4STN0W00	KEEP 4-RC-W	1 pcs.	0,022 kg
GKEEP4STN0B00	KEEP 4-RC-B	1 pcs.	0,022 kg

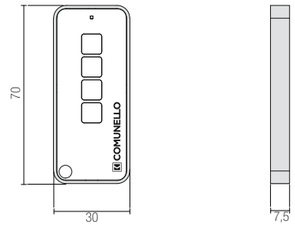
GENERAL INFORMATIONS

- With 433.92 and 868.46 Mhz frequencies with rolling-code and fixed code with code copying function. Over 18 million possible combinations guarantee the highest levels of security
- 4 channel Rolling Code technology transmitter
- Soft-touch keys. Elegant, ergonomic design
- Easy to replace long-life battery
- Available in black or white

KEEP 4 SYNC

4 channels for the version with fixed code

DIMENSIONS



CODE	ARTICLE	PACKAGE	WEIGHT	
GKEEP4SYN0W00	KEEP 4S-W	1 pcs.	0,022 kg	**6,00**
GKEEP4SYN0B00	KEEP 4S-B	1 pcs.	0,022 kg	**6,00**

GENERAL INFORMATIONS

- 433.92 MHz rolling code remote control units with auto-learning system and sequential code. Codie can be entered by remote via a programming key on the control board
- 4 channel Rolling Code technology transmitter
- Soft-touch keys. Elegant, ergonomic design
- Easy to replace long-life battery
- Available in black or white

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Accessories

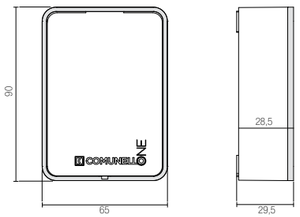
5.4 SAFETY ACCESSORIES

COMUNELLO AUTOMATION

DART ONE

Photocells

DIMENSIONS



CODE	PACKAGE	WEIGHT
G1DARTSTNOB00	1 kit	0,15 kg

GENERAL INFORMATIONS

- 2 input Bus connection
- Simple, reliable and affordable elctronics which adapt to suit every kind of system and environment
- Casing with seal to limit water access. Red impact-resistant polycarbonate panel to avoid sun damage etcl
- Hidden fixing screws
- Security in line with EN 12453 standards for all uses and activation

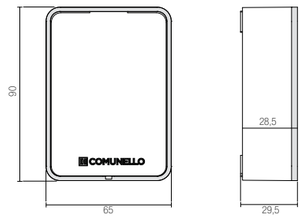
COMPATIBILE WITH

MAST 100 MAST TWIN 100

DART

Photocells

DIMENSIONS



CODE	PACKAGE	WEIGHT
GDARTSTDNOB00	1 kit	0,15 kg

GENERAL INFORMATIONS

- 2 input Bus connection
- Simple, reliable and affordable elctronics which adapt to suit every kind of system and environment
- Casing with seal to limit water access. Red impact-resistant polycarbonate panel to avoid sun damage etcl
- Hidden fixing screws
- Security in line with EN 12453 standards for all uses and activation

COMPATIBILE WITH

MAST 100 MAST TWIN 100

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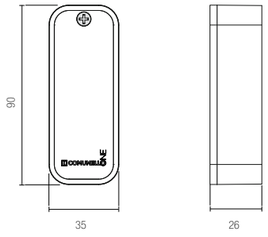
DART SLIM ONE

Photocells, slim version

DIMENSIONS



CODE	PACKAGE	WEIGHT	
G1DARTSLN0B00	1 kit	0,12 kg	**0**

GENERAL INFORMATIONS

- 2 input Bus connection
- Simple, reliable and affordable elctronics which adapt to suit every kind of system and environment
- Digital technology which prevents interference issue
- Casing with seal to limit water access. Red impact-resistant polycarbonate panel to avoid sun damage etcl
- Security in line with EN 12453 standards for all uses and activation

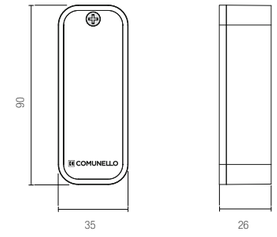
COMPATIBILE WITH

MAST 50 SLIM

DART SLIM

Photocells, slim version

DIMENSIONS



CODE	PACKAGE	WEIGHT
GDARTSLMN0B00	1 kit	0,12 kg

GENERAL INFORMATIONS

- 2 input Bus connection
- Simple, reliable and affordable elctronics which adapt to suit every kind of system and environment
- Digital technology which prevents interference issue
- Casing with seal to limit water access. Red impact-resistant polycarbonate panel to avoid sun damage etcl
- Security in line with EN 12453 standards for all uses and activation

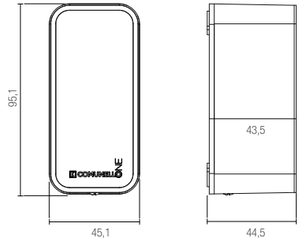
COMPATIBILE WITH

MAST 50 SLIM

DART ADJUSTABLE ONE

Adjustable Photocells

DIMENSIONS



CODE	PACKAGE	WEIGHT	
G1DARTADN0B00	1 kit	0,12 kg	**1**

GENERAL INFORMATIONS

- Sensor adjustable 180° horizontal and 10° vertical. Solves installation problems in cases where lining up the sensors is difficult

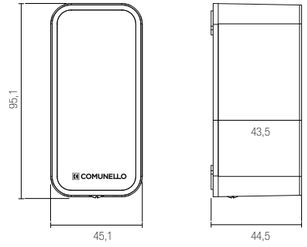
COMPATIBILE WITH

MAST 50 SLIM

DART ADJUSTABLE

Adjustable Photocells

DIMENSIONS



CODE	PACKAGE	WEIGHT	
GDARTADJN0B00	1 kit	0,16 kg	**0**

GENERAL INFORMATIONS

- Sensor adjustable 180° horizontal and 10° vertical. Solves installation problems in cases where lining up the sensors is difficult

COMPATIBILE WITH

MAST 50 SLIM

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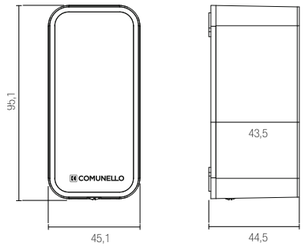
DART BATTERY

Battery powered adjustable external photocells

DIMENSIONS



CODE	PACKAGE	WEIGHT
GDARTBMNOB00	1 kit	0,2 kg

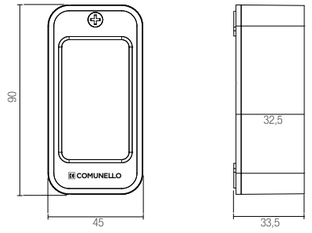
GENERAL INFORMATIONS

- Simplified installation of touch-sensitive strips (active safety edge) on the mobile leaf. 8k2 input ready for connection to the strip. If the contact is closed or the cable broken the strip is interrupted and detected by the receiver. The photocell prevents impact before the safety edge is applied
- Long-life battery
- Also works with photocell

RECEIVER

Radio receiver

DIMENSIONS



CODE	PACKAGE	WEIGHT
GRESIVERNOG00	1 pcs.	0,2 kg

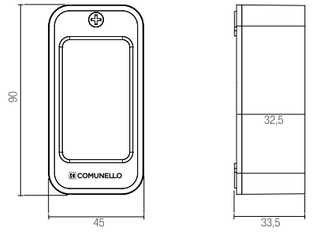
GENERAL INFORMATIONS

- Dual-channel Radio receiver
- Allows the activation of remote control of electrical equipment through one or more transmitters

RECEIVER 868

Radio receiver 868,46 MHz

DIMENSIONS



PACKAGE	WEIGHT
1 pcs.	0,2 kg

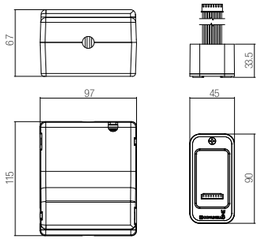
GENERAL INFORMATIONS

- Dual-channel Radio receiver
- Allows the activation of remote control of electrical equipment through one or more transmitters

AC-51 BATTERY KIT

ONE battery kit

DIMENSIONS



CODE	PACKAGE	WEIGHT
G1BATTERL0G00	1 pcs.	1,3 kg

GENERAL INFORMATIONS

- Two batteries 12V / 1.2Ah standard.
- An interface checks the short circuits and directs the power to the whole system (Control board, BUS and Motor).
- A pre-cable wire makes an easy connection between the batteries and the interface.

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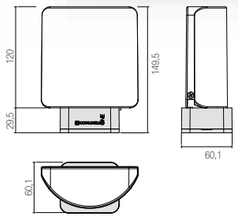
COMUNELLO AUTOMATION

SWIFT LED ONE

Flashing signal lights

DIMENSIONS



CODE	ARTICLE	PACKAGE	WEIGHT
G1SWIFTSTYB00	SWIFT-Y	1 pcs.	0,26 kg
G1SWIFTSTWB00	SWIFT-W	1 pcs.	0,26 kg

GENERAL INFORMATIONS ☐ White ■ Yellow

- 2 input Bus connection
- Universal LED version which can be fitted both vertically and horizontally (with optional support bar)
- Built-in 433.92 MHz antenna for all versions
- Built-in flashing system
- Optional jumper activated fixed light available
- Energy efficient thanks to led technology

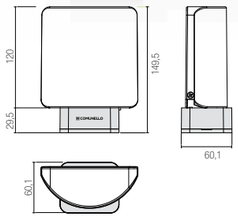
COMPATIBILE WITH

SWIFT BASE

SWIFT LED

Flashing signal lights

DIMENSIONS



CODE	ARTICLE	PACKAGE	WEIGHT
GSWIFTSTLYB00	SWIFT-Y	1 pcs.	0,26 kg
GSWIFTSTLWB00	SWIFT-W	1 pcs.	0,26 kg

GENERAL INFORMATIONS ☐ White ■ Yellow

- 2 input Bus connection
- Universal LED version which can be fitted both vertically and horizontally (with optional support bar)
- Built-in 433.92 MHz antenna for all versions
- Built-in flashing system
- Optional jumper activated fixed light available
- Energy efficient thanks to led technology

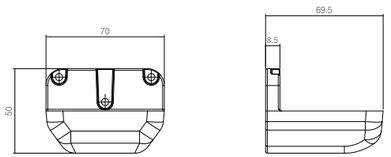
COMPATIBILE WITH

SWIFT BASE

SWIFT BASE

Support for Flashing signal lights

DIMENSIONS



CODE	ARTICLE	PACKAGE	WEIGHT
GSWIFTSUP0B00	SWIFT BASE	1 pcs.	0,05 kg

APPLICATIONS

SWIFT

HORIZONTAL SWIFT WITH SWIFT BASE

VERTICAL SWIFT WITH SWIFT BASE

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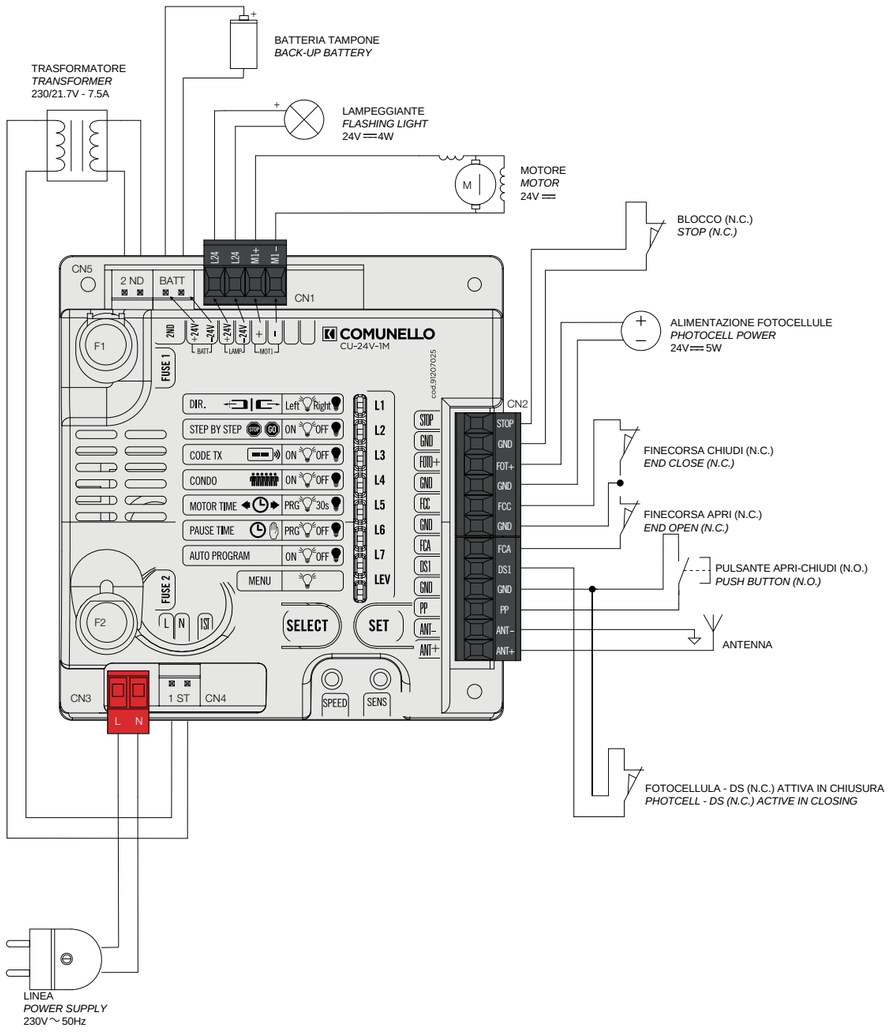
5.5 Wiring diagrams

CU 24V 1M Control Unit 24V 1 motor

Wiring diagram



In case of using 1 added stop input we recommend to use of the control unit CU 24V HP

FUNCTIONS

MAIN MENU	LED OFF	LED ON	Description
DIR	Right opening	Left opening	Adjustment of delay between two leaves
STEP BY STEP	Automatic	Step-by-step	Step-by-step function: open close stop close
CODE TX	No code	Code entered	Radio control memory function
CONDO	OFF	ON	Apartment block function
MOTOR TIME	30 sec.	Selected time	Motor time adjustment
PAUSE TIME	W/O automatic closing	With automatic closing	Leaf pause time
AUTO PROGRAM	OFF	ON	Automatic programming function
MENU	ON		Menu selection

Extended Menu 1 is activated by selecting the LEV LED via the SELECT button and pressing the SET button once

EXTENDED MENU 1	LED OFF	LED ON	Description
PGM CODE	OFF	ON	Remote programming function
PHOTOTEST	OFF	ON	Phototest
SLOW DOWN	OFF	ON	Slow down
DELAY	OFF	ON	Adjustment of delay between two leaves
WATER HAMMER	OFF	ON	Water hammer function
POWER CLOSE	OFF	ON	Full power closing for 1 second
COURTESY LIGHT	OFF	ON	Pre-flash or courtesy light function
LEV	1 FLASH		Menu selection

Extended Menu 2 is activated by selecting the LEV LED via the SELECT button and pressing the SET button twice

EXTENDED MENU 2	LED OFF	LED ON	Description
SOFT STOP	OFF	ON	Soft stop
SOFT START	OFF	ON	Soft start (from 0 to the selected level)
SAFE 1 OPENING	OFF	ON	Closing sensor activated during opening
MANNED	OFF	ON	Manned function
FOLLOW ME	OFF	ON	Follow me (reduced opening time once the sensor has been passed)
PAUSE LIGHT	OFF	ON	Activation of flashing light when gate paused
ALWAYS CLOSE	OFF	ON	Always close
LEV	2 FLASHES		Menu selection

Extended Menu 3 is activated by selecting the LEV LED via the SELECT button and pressing the SET button three times

EXTENDED MENU 3	LED ON		Description
SLOW DOWN POWER	ON		Power level adjustment during motor slow down phase
LEV	3 FLASHES		Menu selection

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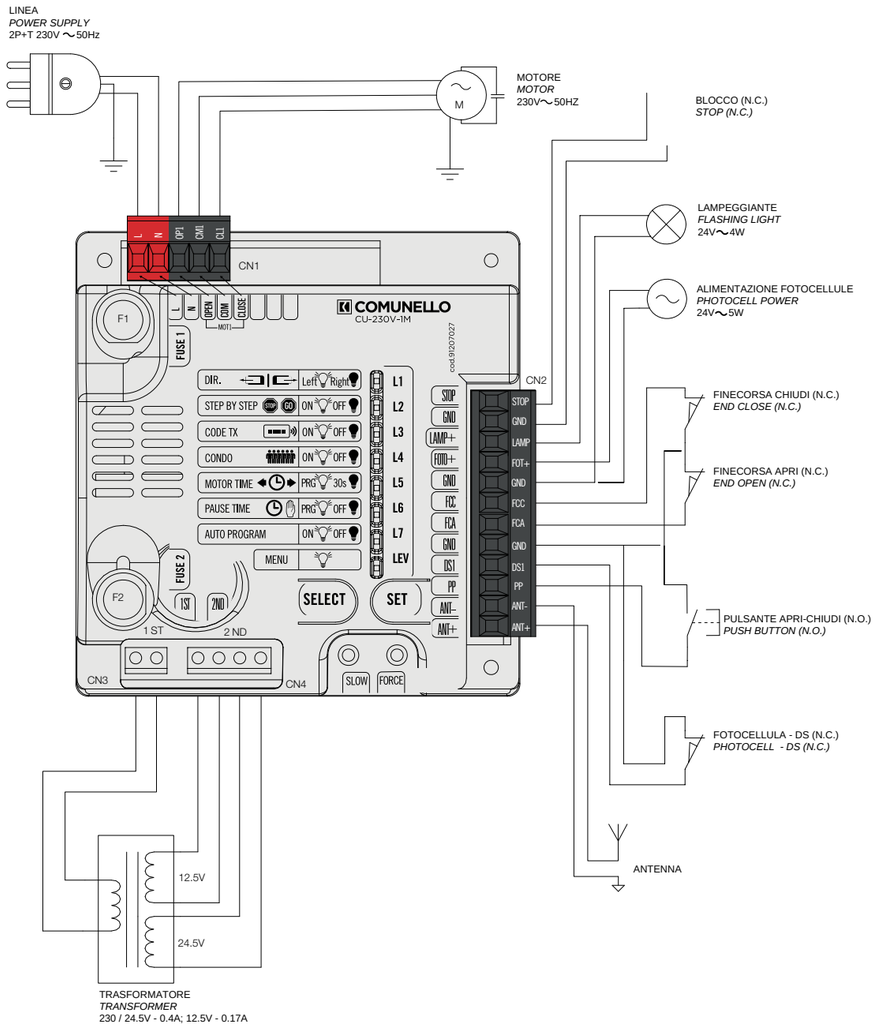
CU 230V 1M Control Unit 230V 1 motor

Wiring diagram



In caso di utilizzo di 1 ingresso stop aggiuntivo si consiglia l'utilizzo della centraleCU 230V HP

FUNCTIONS

MAIN MENU	LED OFF	LED ON	Description
DIR	Right opening	Left opening	Opening direction
STEP BY STEP	Automatic	Step-by-step	Step-by-step function: open close stop close
CODE TX	No code	Code entered	Radio control memory function
CONDO	OFF	ON	Apartment block function
MOTOR TIME	30 sec.	Selected time	Motor time adjustment
PAUSE TIME	W/O automatic closing	With automatic closing	Leaf pause time
AUTO PROGRAM	OFF	ON	Automatic programming function
MENU	ON		Menu selection

Extended Menu 1 is activated by selecting the LEV LED via the SELECT button and pressing the SET button once

EXTENDED MENU 1	LED OFF	LED ON	Description
PHOTOTEST	OFF	ON	Phototest
PED. TIME	Ped. time 10s	Programmed Ped. Time	Automatic programming function
SLOW DOWN	OFF	ON	Slow down function
BRAKE	OFF	ON	Motor braking
WATER HAMMER	OFF	ON	Water hammer function
POWER CLOSE	OFF	ON	Full power closing for 1 second
COURTESY LIGHT	OFF	ON	Pre-flash or courtesy light function
LEV	1 FLASH		Menu selection

Extended Menu 2 is activated by selecting the LEV LED via the SELECT button and pressing the SET button twice

EXTENDED MENU 2	LED OFF	LED ON	Description
SOFT STOP	OFF	ON	Soft stop
SOFT START	OFF	ON	Soft start (from 0 to the selected level)
DS1 OPENING	OFF	ON	Closing sensor activated during opening
MANNED	OFF	ON	Manned function
FOLLOW ME	OFF	ON	Follow me (reduced opening time once the sensor has been passed)
PAUSE LIGHT	OFF	ON	Activation of flashing light when gate paused
ALWAYS CLOSE	OFF	ON	Always close
LEV	2 FLASHES		Menu selection

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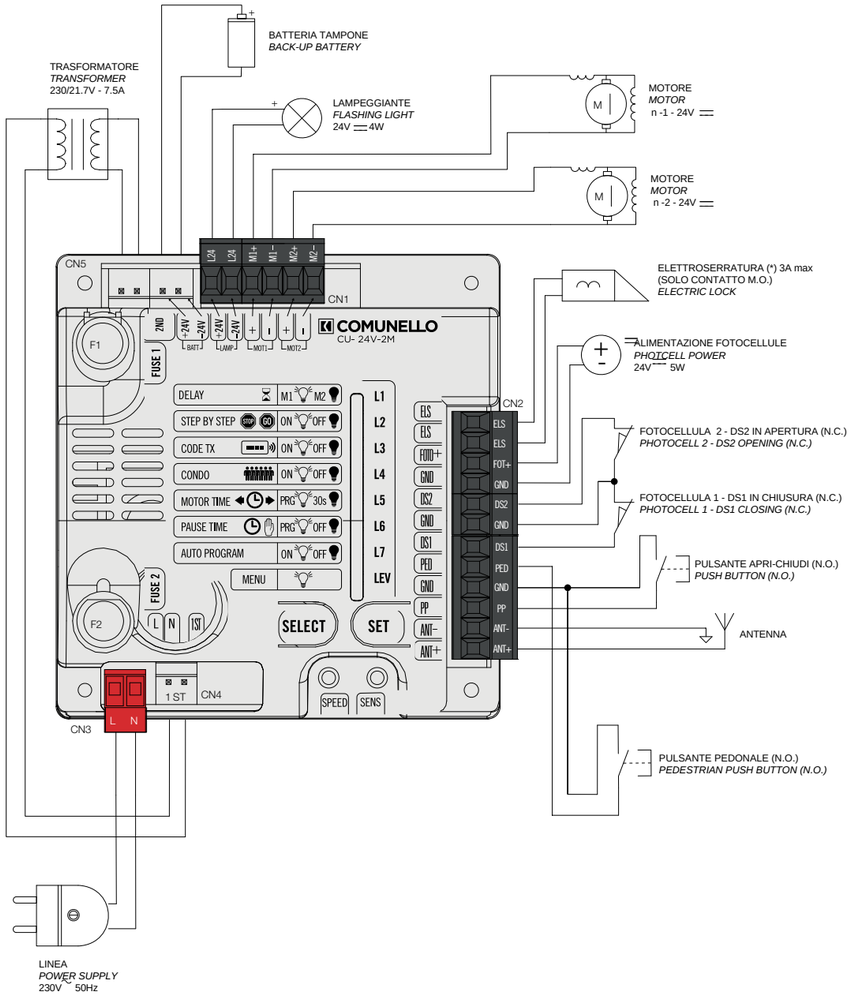
CU 24V 2M Control Unit 24V 2 motors

Wiring diagram



In case of using 1 added stop input we recommend to use of the control unit CU 24V HP

FUNCTIONS

MAIN MENU	LED OFF	LED ON	Description
DELAY	Motor delay 2	Motor delay 1	Leaf selection
STEP BY STEP	Automatic	Step-by-step	Step-by-step function: open close stop close
CODE TX	No code	Code entered	Radio control memory function
CONDO	OFF	ON	Apartment block function
MOTOR TIME	30 sec.	Selected time	Motor time adjustment
PAUSE TIME	W/O automatic closing	With automatic closing	Leaf pause time
PED. TIME	Ped. time 10s	Programmed Ped. Time	Automatic programming function
MENU	ON		Menu selection

Extended Menu 1 is activated by selecting the LEV LED via the SELECT button and pressing the SET button once

EXTENDED MENU 1	LED OFF	LED ON	Description
PGM CODE	OFF	ON	Remote programming function
PHOTOTEST	OFF	ON	Phototest
SLOW DOWN	OFF	ON	Slow down
DELAY	OFF	ON	Adjustment of delay between two leaves
WATER HAMMER	OFF	ON	Water hammer function
POWER CLOSE	OFF	ON	Full power closing for 1 second
COURTESY LIGHT	OFF	ON	Pre-flash or courtesy light function
LEV	1 FLASH		Menu selection

Extended Menu 2 is activated by selecting the LEV LED via the SELECT button and pressing the SET button twice

EXTENDED MENU 2	LED OFF	LED ON	Description
SOFT STOP	OFF	ON	Soft stop
SOFT START	OFF	ON	Soft start (from 0 to the selected level)
SAFE 1 OPENING	OFF	ON	Closing sensor activated during opening
MANNED	OFF	ON	Manned function
FOLLOW ME	OFF	ON	Follow me (reduced opening time once the sensor has been passed)
PAUSE LIGHT	OFF	ON	Activation of flashing light when gate paused
ALWAYS CLOSE	OFF	ON	Always close
LEV	2 FLASHES		Menu selection

Extended Menu 3 is activated by selecting the LEV LED via the SELECT button and pressing the SET button three times

EXTENDED MENU 3	LED ON		Description
SLOW DOWN POWER	ON		Power level adjustment during motor slow down phase
LEV	3 FLASHES		Menu selection

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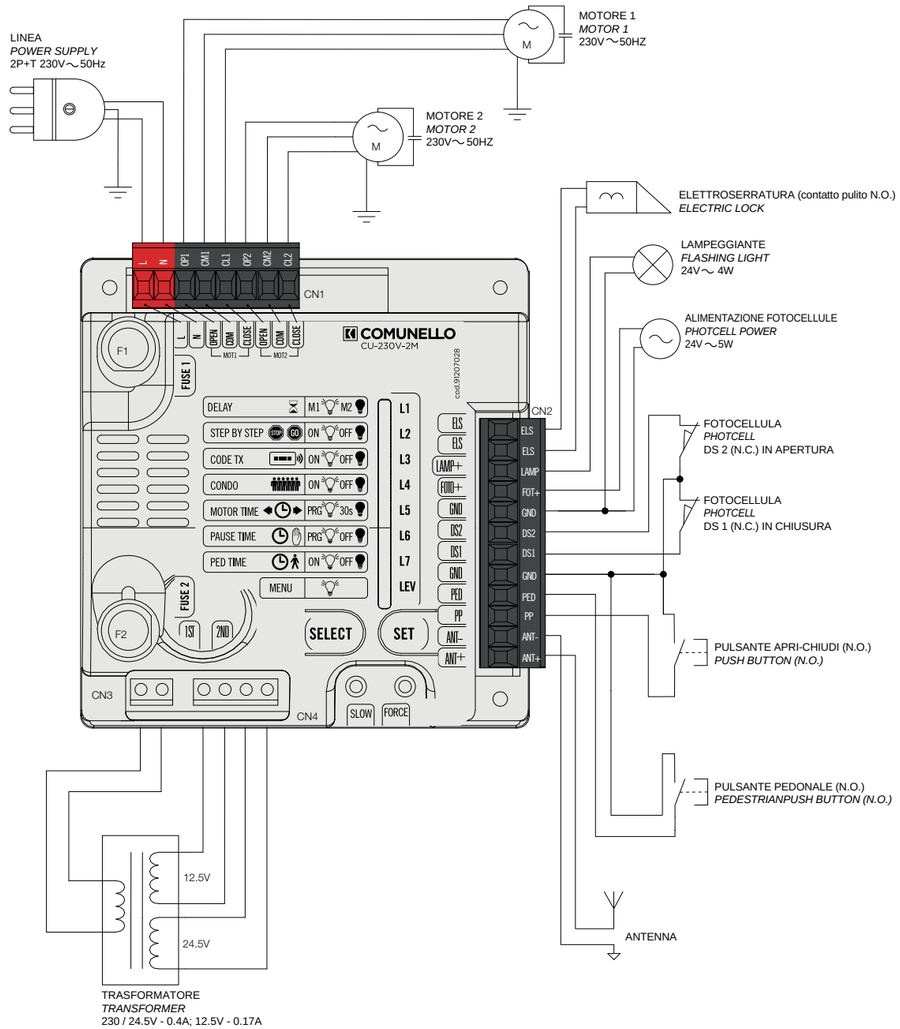
CU 230V 2M Control Unit 230V 2 motors

Wiring diagram



In case of using 1 added stop input we recommend to use of the control unit CU 230V HP

FUNCTIONS

MAIN MENU	LED OFF	LED ON	Description
DELAY	Motor delay 2	Moteor delay 1	Leaf selection
STEP BY STEP	Automatic	Step-by-step	Step-by-step function: open close stop close
CODE TX	No code	Code entered	Radio control memory function
CONDO	OFF	ON	Apartment block function
MOTOR TIME	30 sec.	Selected time	Motor time adjustment
PAUSE TIME	W/O automatic closing	With automatic closing	Leaf pause time
PED. TIME	Ped. time 10s	Programmed Ped. Time	Automatic programming function
MENU	ON		Menu selection

Extended Menu 1 is activated by selecting the LEV LED via the SELECT button and pressing the SET button once

EXTENDED MENU 1	LED OFF	LED ON	Description
PGM CODE	OFF	ON	Remote programming function
PHOTOTEST	OFF	ON	Phototest
SLOW DOWN	OFF	ON	Slow down
DELAY	OFF	ON	Adjustment of delay between two leaves
WATER HAMMER	OFF	ON	Water hammer function
POWER CLOSE	OFF	ON	Full power closing for 1 second
COURTESY LIGHT	OFF	ON	Pre-flash or courtesy light function
LEV	1 FLASH		Menu selection

Extended Menu 2 is activated by selecting the LEV LED via the SELECT button and pressing the SET button twice

EXTENDED MENU 2	LED OFF	LED ON	Description
SOFT STOP	OFF	ON	Soft stop
SOFT START	OFF	ON	Soft start (from 0 to the selected level)
DS1 OPENING	OFF	ON	Closing sensor activated during opening
MANNED	OFF	ON	Manned function
FOLLOW ME	OFF	ON	Follow me (reduced opening time once the sensor has been passed)
PAUSE LIGHT	OFF	ON	Activation of flashing light when gate paused
ALWAYS CLOSE	OFF	ON	Always close
LEV	2 FLASHES		Menu selection

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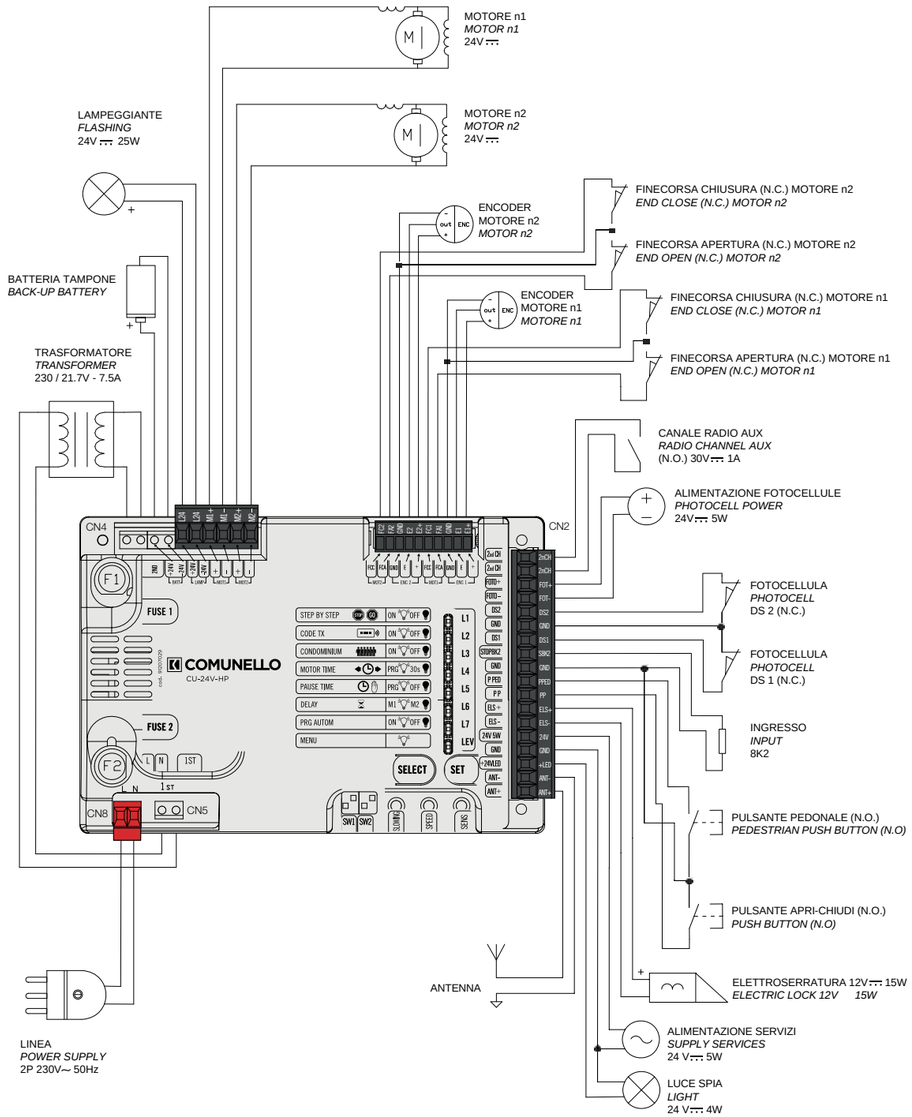
CU 24V HP Control Unit 24V 1/2 motors

Wiring diagram



FUNCTIONS

MAIN MENU	LED OFF	LED ON	Description
STEP BY STEP	Automatic	Step-by-step	Step-by-step function: open close stop close
CODE TX	No code	Code entered	Radio control memory function
CONDO	OFF	ON	Apartment block function
MOTOR TIME	30 sec.	Selected time	Motor time adjustment function
PAUSE TIME	W/O automatic closing	With automatic closing	Leaf pause time function
DELAY	OFF	ON	Adjustment of delay between two leaves
AUTOMATIC PROGRAMMING	OFF	ON	Automatic programming function
MENU	ON		Menu selection

Extended Menu 1 is activated by selecting the LEV LED via the SELECT button and pressing the SET button once

EXTENDED MENU 1	LED OFF	LED ON	Description
MANNED	OFF	ON	Manned function
PEDESTRIAN BUTTON / SINGLE LEAF	Pedestrian button	Pedestrian leaf	Single leaf opening
PEDESTRIAN BUTTON / DS3	Pedestrian button	DS3	Third sensor function
PHOTOTEST	OFF	ON	Phototest
DS2 STOP IN CLOSING	OFF	ON	Ds2 sensor use during closing
DS1 PARTIAL INVERSION	OFF	ON	Partial invesion during closing
8K2 RELEASE	OFF	ON	8K2 release function
LEV	1 FLASH		Menu selection

Extended Menu 2 is activated by selecting the LEV LED via the SELECT button and pressing the SET button twice

EXTENDED MENU 2	LED OFF	LED ON	Description
BRAKE	OFF	ON	Motor braking
SLOW DOWN	OFF	ON	Slow down
ALWAYS CLOSE	OFF	ON	Always close
FOLLOW ME	OFF	ON	Follow me (reduced opening time once the sensor has been passed)
PEDESTRIAN TIME	10 Sec	Selected time	Time the pedestrian leaf stays open
FIXED CODE AUX CHANNEL	OFF	ON	Auxiliary channel functioning system
REMOTE PROGRAMMING	OFF	ON	Remote programming function
LEV	2 FLASHES		Menu selection

Extended Menu 3 is activated by selecting the LEV LED via the SELECT button and pressing the SET button three times

EXTENDED MENU 3	LED OFF	LED ON	Description
SOFT STOP	OFF	ON	Soft stop
SOFT START	OFF	ON	Soft start (from 0 to the selected level)
WATER HAMMER	OFF	ON	Water hammer function
POWER CLOSE	OFF	ON	Full power closing for 1 second
ELS / CMD PED	OFF	ON	Electronic lock activation
INACTIVITY LIGHT	OFF	ON	Activation of flashing light when gate inactive
COURTESY LIGHT	OFF	ON	Pre-flash or courtesy light function
LEV	3 FLASHES		Menu selection

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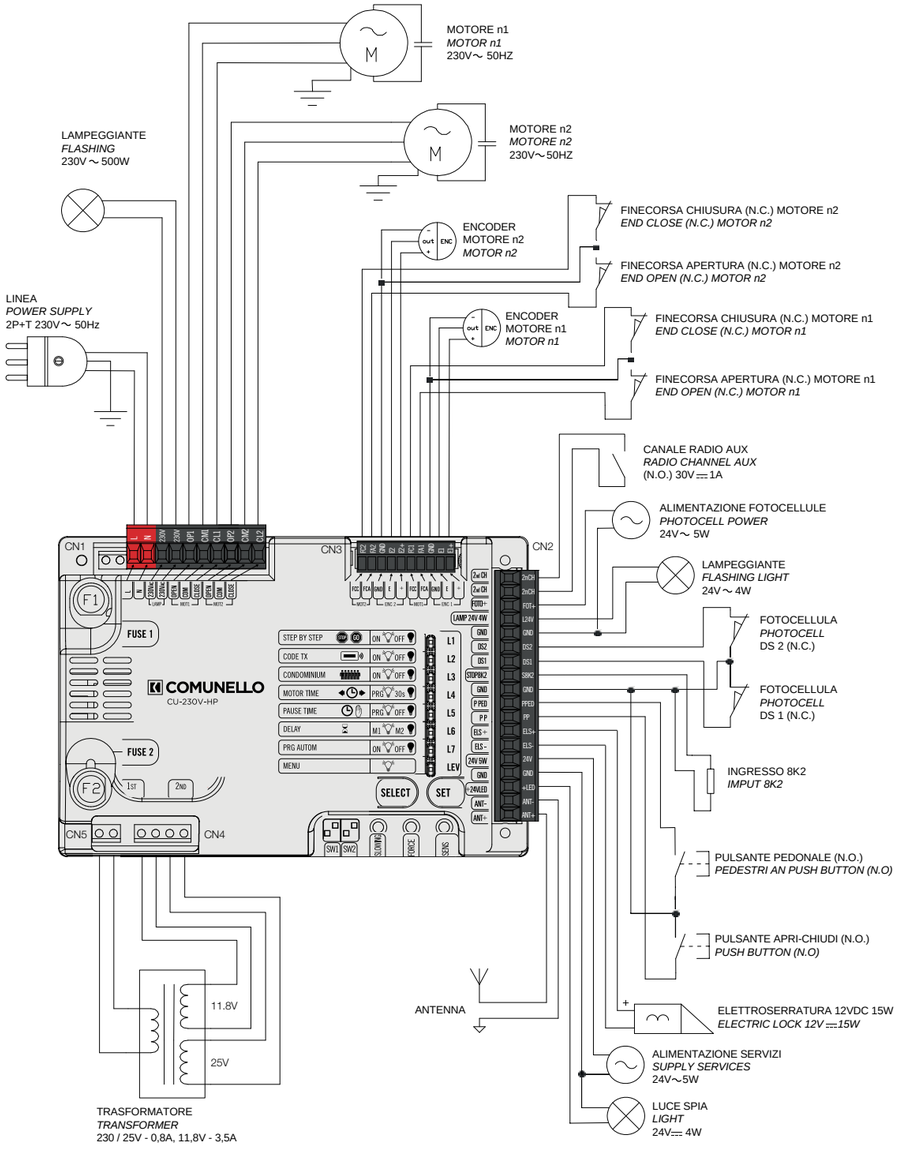
CU 230V HP Control Unit 230V 1/2 motors

Wiring diagram



FUNCTIONS

MAIN MENU	LED OFF	LED ON	Description
STEP BY STEP	Automatic	Step-by-step	Step-by-step function: open close stop close
CODE TX	No code	Code entered	Radio control memory function
CONDO	OFF	ON	Apartment block function
MOTOR TIME	30 sec.	Selected time	Motor time adjustment function
PAUSE TIME	W/O automatic closing	With automatic closing	Leaf pause time function
DELAY	OFF	ON	Adjustment of delay between two leaves
AUTOMATIC PROGRAMMING	OFF	ON	Automatic programming function
MENU	ON		Menu selection

Extended Menu 1 is activated by selecting the LEV LED via the SELECT button and pressing the SET button once

EXTENDED MENU 1	LED OFF	LED ON	Description
MANNED	OFF	ON	Manned function
PEDESTRIAN BUTTON / SINGLE LEAF	Pedestrian button	Pedestrian leaf	Single leaf opening
PEDESTRIAN BUTTON / DS3	Pedestrian button	DS3	Third sensor function
PHOTOTEST	OFF	ON	Phototest
DS2 STOP IN CLOSING	OFF	ON	Ds2 sensor use during closing
DS1 PARTIAL INVERSION	OFF	ON	Partial invesion during closing
8K2 RELEASE	OFF	ON	8K2 release function
LEV	1 FLASH		Menu selection

Extended Menu 2 is activated by selecting the LEV LED via the SELECT button and pressing the SET button twice

EXTENDED MENU 2	LED OFF	LED ON	Description
BRAKE	OFF	ON	Motor braking
SLOW DOWN	OFF	ON	Slow down
ALWAYS CLOSE	OFF	ON	Always close
FOLLOW ME	OFF	ON	Follow me (reduced opening time once the sensor has been passed)
PEDESTRIAN TIME	10 Sec	Selected time	Time the pedestrian leaf stays open
FIXED CODE AUX CHANNEL	OFF	ON	Auxiliary channel functioning system
REMOTE PROGRAMMING	OFF	ON	Remote programming function
LEV	2 FLASHES		Menu selection

Extended Menu 3 is activated by selecting the LEV LED via the SELECT button and pressing the SET button three times

EXTENDED MENU 3	LED OFF	LED ON	Description
SOFT STOP	OFF	ON	Soft stop
SOFT START	OFF	ON	Soft start (from 0 to the selected level)
WATER HAMMER	OFF	ON	Water hammer function
POWER CLOSE	OFF	ON	Full power closing for 1 second
ELS / CMD PED	OFF	ON	Electronic lock activation
INACTIVITY LIGHT	OFF	ON	Activation of flashing light when gate inactive
COURTESY LIGHT	OFF	ON	Pre-flash or courtesy light function
LEV	3 FLASHES		Menu selection

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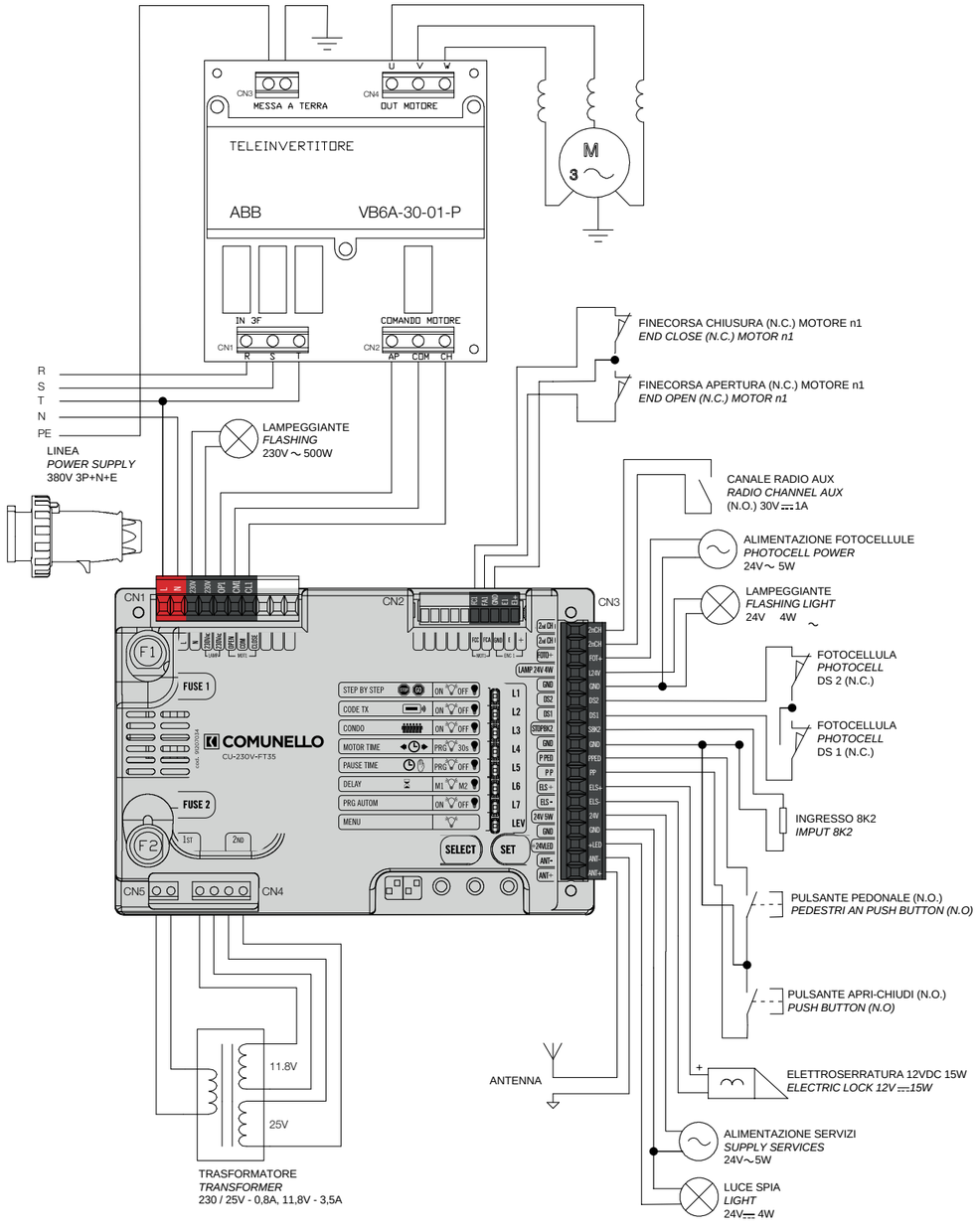
CU 230V FT35/HP 380V Control Unit 230V Fort 3500

Wiring diagram



FUNCTIONS

MAIN MENU	LED OFF	LED ON	Description
STEP BY STEP	Automatic	Step-by-step	Step-by-step function: open close stop close
CODE TX	No code	Code entered	Radio control memory function
CONDO	OFF	ON	Apartment block function
MOTOR TIME	30 sec.	Selected time	Motor time adjustment function
PAUSE TIME	W/O automatic closing	With automatic closing	Leaf pause time function
DELAY	OFF	ON	Adjustment of delay between two leaves
AUTOMATIC PROGRAMMING	OFF	ON	Automatic programming function
MENU	ON		Menu selection

Extended Menu 1 is activated by selecting the LEV LED via the SELECT button and pressing the SET button once

EXTENDED MENU 1	LED OFF	LED ON	Description
MANNED	OFF	ON	Manned function
PEDESTRIAN BUTTON / SINGLE LEAF	Pedestrian button	Pedestrian leaf	Single leaf opening
PEDESTRIAN BUTTON / DS3	Pedestrian button	DS3	Third sensor function
PHOTOTEST	OFF	ON	Phototest
DS2 STP IN CLOSING	OFF	ON	Ds2 sensor use during closing
DS1 PARTIAL INVERSION	OFF	ON	Partial invesion during closing
8K2 RELEASE	OFF	ON	8K2 release function
LEV	1 FLASH		Menu selection

Extended Menu 2 is activated by selecting the LEV LED via the SELECT button and pressing the SET button twice

EXTENDED MENU 2	LED OFF	LED ON	Description
BRAKE	-	-	DO NOT USE
SLOW DOWN	-	-	DO NOT USE
ALWAYS CLOSE	OFF	ON	Always close
FOLLOW ME	OFF	ON	Follow me (reduced opening time once the sensor has been passed)
PEDESTRIAN TIME	10 Sec	Selected time	Time the pedestrian leaf stays open
FIXED CODE AUX CHANNEL	OFF	ON	Auxiliary channel functioning system
REMOTE PROGRAMMING	OFF	ON	Remote programming function
LEV	2 FLASHES		Menu selection

Extended Menu 3 is activated by selecting the LEV LED via the SELECT button and pressing the SET button three times

EXTENDED MENU 3	LED OFF	LED ON	Description
SOFT STOP	-	-	DO NOT USE
SOFT START	-	-	DO NOT USE
WATER HAMMER	OFF	ON	Water hammer function
POWER CLOSE	OFF	ON	Full power closing for 1 second
ELS / CMD PED	OFF	ON	Electronic lock activation
INACTIVITY LIGHT	OFF	ON	Activation of flashing light when gate inactive
COURTESY LIGHT	OFF	ON	Pre-flash or courtesy light function
LEV	3 FLASHES		Menu selection

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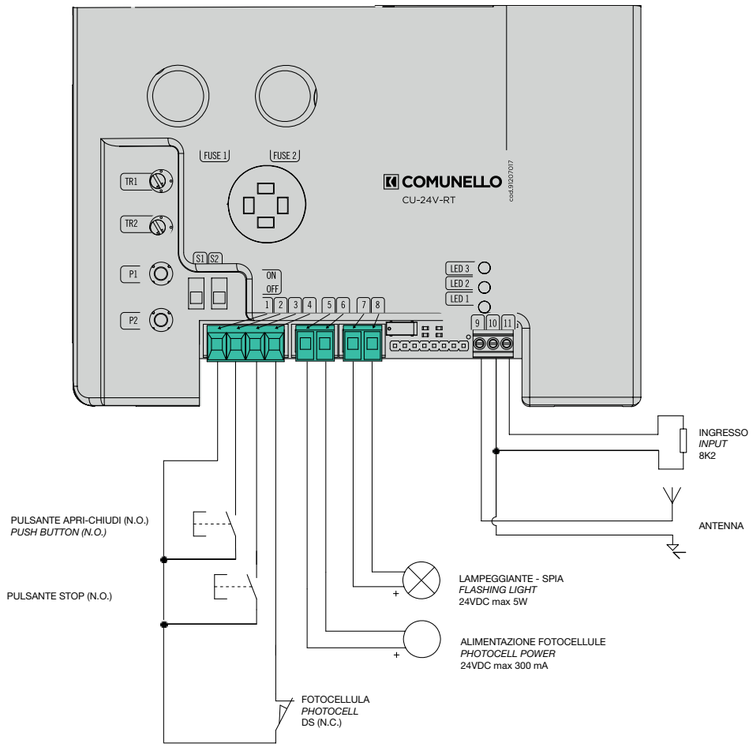
CU 24V RT/RAMPART Control Unit 24V Rampart

COMUNELLO AUTOMATION

FUNCTIONS

FEATURES AVAILABLE
LEARN MAX. OPENING
LEARN / DELETE A REMOTE CONTROL DEVICE
AUTO CLOSE
AUTO OR STEP-BY-STEP MODE
POWER ADJUSTMENT VIA TRIMMER
SLOW DOWN SPEED ADJUSTMENT VIA TRIMMER
OBSTACLE DETECTION
COURTESY LIGHT

Wiring diagram



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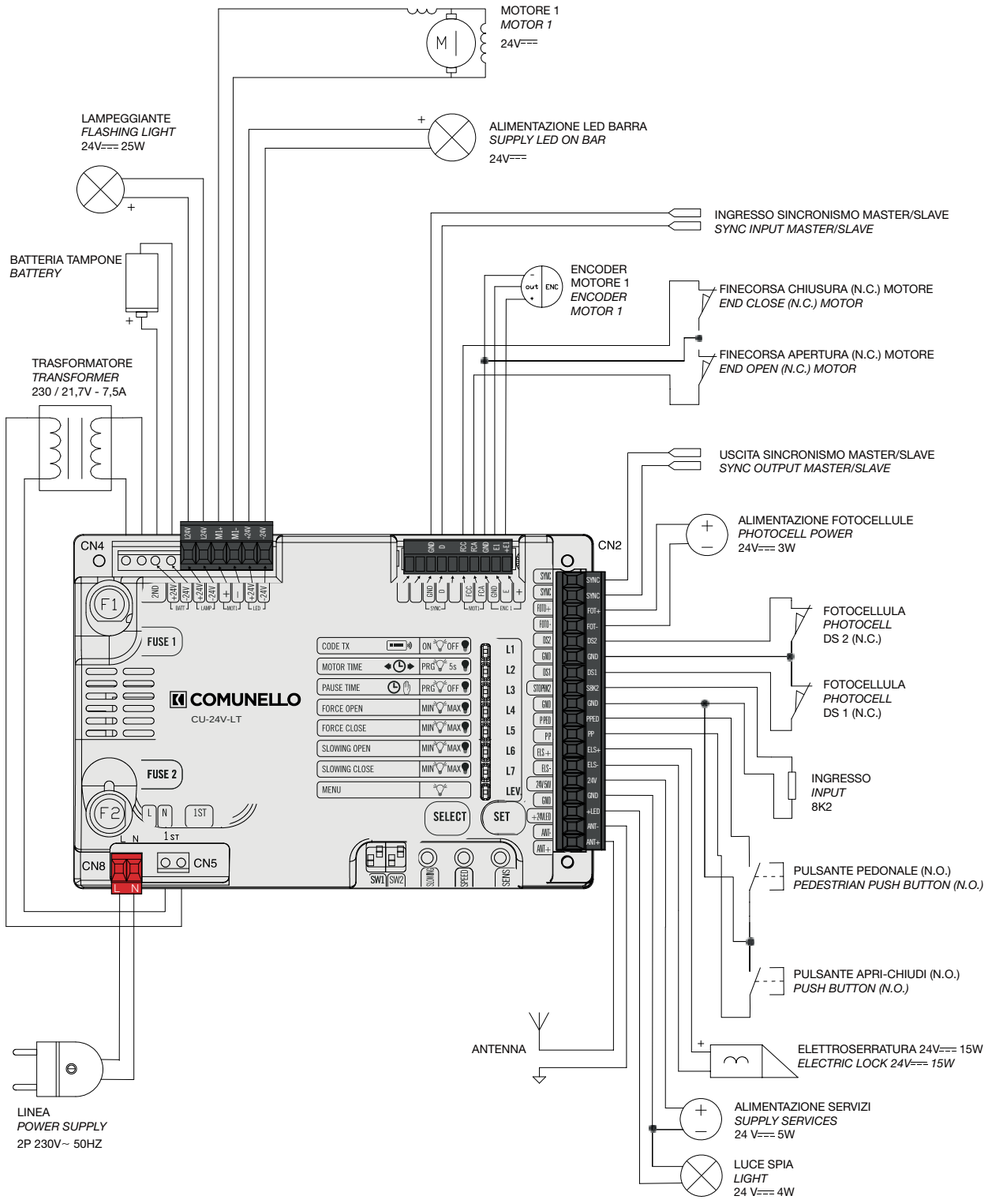
CU 24V LT / LIMIT HP Control Unit 24V Limit

Wiring diagram



FUNCTIONS

MAIN MENU	LED OFF	LED ON	Description
CODE TX	No code	Code entered	Radio control memory function
MOTOR TIME	30 sec.	Selected time	Motor time adjustment function
PAUSE TIME	W/O automatic closing	With automatic closing	Leaf pause time function
POWER DURING OPENING	Max	Med / Min	Adjustment of power output, Maximum, Medium or Minimum, set by the Trimmer
PWER DURING CLOSING	Max	Med / Min	Adjustment of power output, Maximum, Medium or Minimum, set by the Trimmer
SLOW DOWN - OPENING	Max	Med / Min	Adjustment of slowing, Maximum, Medium or Minimum, set by the Trimmer
SLOW DOWN - CLOSING	Max	Med / Min	Adjustment of slowing, Maximum, Medium or Minimum, set by the Trimmer
MENU	ON		Menu selection

Extended Menu 1 is activated by selecting the LEV LED via the SELECT button and pressing the SET button once

EXTENDED MENU 1	LED OFF	LED ON	Description
AUTOMATIC PROGRAMMING	OFF	ON	Manned function
BUTTON	Open/close button	Close button	Activation of button: open/close or close
PEDESTRIAN BUTTON / DS3	-	-	DO NOT USE
PHOTOTEST	OFF	ON	Phototest
DS2 STP IN CLOSING	-	-	DO NOT USE
DS1 PARTIAL INVERSION	-	-	DO NOT USE
8K2 RELEASE	OFF	ON	8K2 release function
LEV	1 FLASH		Menu selection

Extended Menu 2 is activated by selecting the LEV LED via the SELECT button and pressing the SET button twice

EXTENDED MENU 2	LED OFF	LED ON	Description
ELECTROLOCK / ELECTROBLOCK	ELECTROLOCK	ELECTROBLOCK	Activation nof electrolock or electroblock
LAMP	BLINK	FIX	Activation of flashing light
ALWAYS CLOSE	OFF	ON	Always close
FOLLOW ME	OFF	ON	Follow me (reduced opening time once the sensor has been passed)
PRE-FLASH	OFF	ON	Pre-flash function
LED STRIP CONFIGURATION	ACTIVE WITH MOTOR ON	ALWAYS ACTIVE	Activation of LED strip
LED STRIP CONFIGURATION	FLASHING	FIXED	Activation of LED strip
LEV	2 FLASHES		Menu selection

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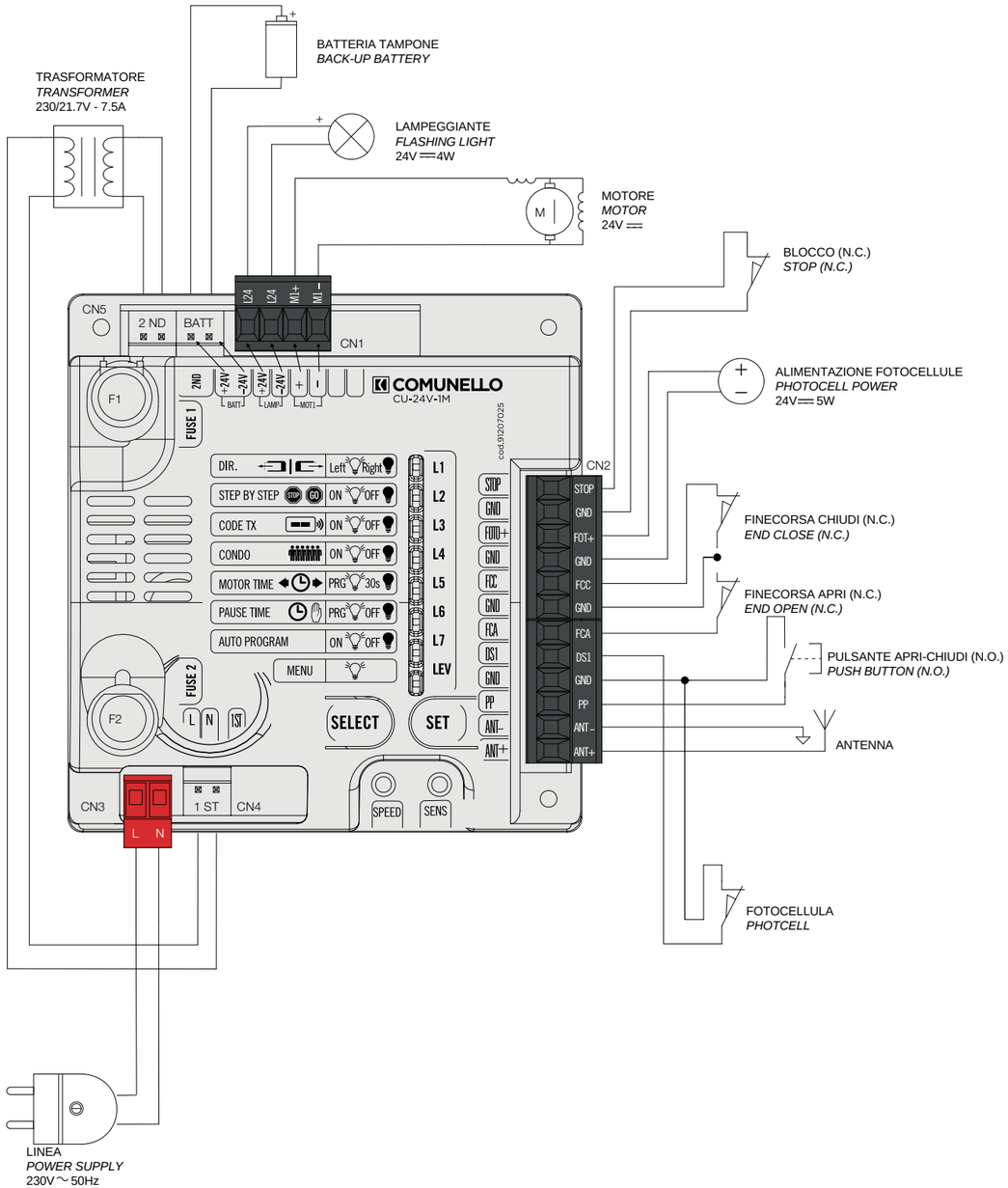
CU 24V 1M / BORDER Control Unit 24V Border

Wiring diagram



FUNCTIONS

MAIN MENU	LED OFF	LED ON	Description
DIR	Opens to the right	Opens to the left	Opening direction
STEP BY STEP	Automatic	Step-by-step	Step-by-step function: open close stop close
CODE TX	No code	Code entered	Radio control memory function
CONDO	OFF	ON	Apartment block function
MOTOR TIME	30 sec.	Selected time	Motor time adjustment function
PAUSE TIME	W/O automatic closing	With automatic closing	Leaf pause time function
AUTOMATIC PROGRAMMING	OFF	ON	Automatic programming function
MENU	ON		Menu selection

Extended Menu 1 is activated by selecting the LEV LED via the SELECT button and pressing the SET button once

EXTENDED MENU 1	LED OFF	LED ON	Description
PHOTOTEST	OFF	ON	Phototest
SLOW DOWN	OFF	ON	Slow down
PGM CODE REMOTE	OFF	ON	Programming remote control
COURTESY LIGHT	OFF	ON	Pre-flash or courtesy light function
LEV	1 FLASH		Menu selection

Extended Menu 2 is activated by selecting the LEV LED via the SELECT button and pressing the SET button twice

EXTENDED MENU 2	LED OFF	LED ON	Description
DS1 OPENS	OFF	ON	Presence of closure photocell also in opening
MANNED	OFF	ON	Manned function
FOLLOW ME	OFF	ON	Follow me (reduced opening time once the sensor has been passed)
PAUSE LIGHT	OFF	ON	Activation of flashing light when gate paused
ALWAYS CLOSE	OFF	ON	Always close
LEV	2 FLASHES		Menu selection

Extended Menu 3 is activated by selecting the LEV LED via the SELECT button and pressing the SET button three times

EXTENDED MENU 3	LED OFF	LED ON	Description
SLOWING POWER / OPENING POWER	ON		Regulation of power during motor slowing phase
LEV	3 FLASHES		Menu selection

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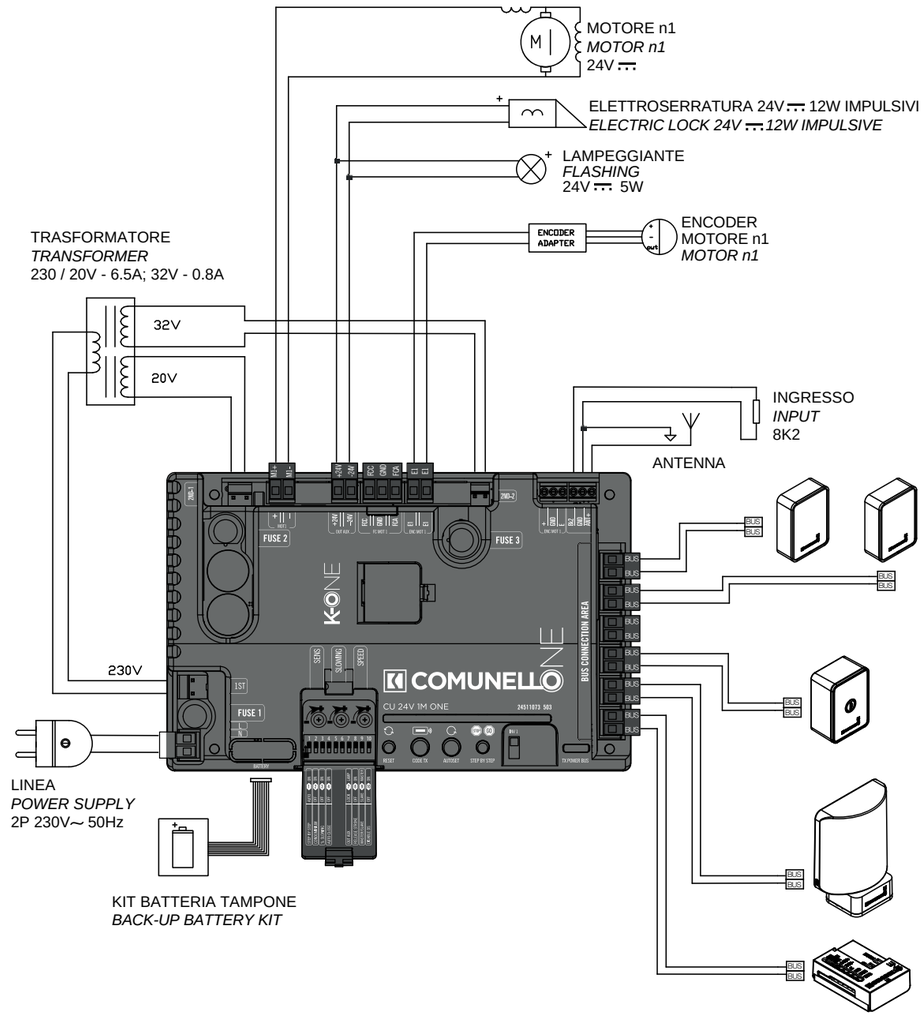
CU 24V ONE 1M Control Unit 24V One

Wiring diagram



FUNCTIONS

ADDITIONAL ADJUSTMENTS FROM THE APP:	
Guided procedure to check direction of rotation of the operators and change their settings.	
Commands	
Set the pause time (automatic closing)	(0"..40 min)
Enable Permanent Close.	
Force/Speed	
Adjust maximum operator speed during opening cycle	(10%..100%)
Adjust maximum operator speed during closing cycle	(10%..100%)
Adjust deceleration speed during opening cycle	(10%..100%)
Adjust deceleration speed during closing cycle	(10%..100%)
Start Operator 1 deceleration during opening cycle	(0%..100%)
Start Operator 1 deceleration during closing cycle	(0%..100%)
Adjust pedestrian opening	(10%..100%)
Enable/Disable Operator Brake	
Enable/Disable Soft Stop	
Enable/Disable Soft Start	
Enable/Disable Release Stroke	
Enable/Disable Slam Lock	
Remote controls	
Read saved codes and set function	
Assign a text string for each code	
Delete single code	
Add a new code	
Check the presence of a code	
Photocells	
Enable/Disable Partial Inversion during Closing cycle	
Enable/Disable Partial Inversion during Opening cycle	
Enable/Disable Follow-Me	
Operation test	
Assign a text string for each photocell	
Set the MODE (operation) of each photocell	
Key switches	
Operation test	
Assign a text string for each key switch	
Set the MODE (operation) of each key switch	
Flashing lights	
Enable/Disable Closing Pre-Flash	
Enable/Disable Opening Pre-Flash	
Enable/Disable Fast Flash during Opening cycle	
Enable/Disable Fast Flash during Closing cycle	
Enable/Disable Flash during Pause	
Operation test	
Assign a text string for each key flashing light	
I/O Interface	
Operation test	
Assign a text string for each I/O interface	
Set the MODE (operation) of each I/O interface	
Utility output	
Set Electric lock activation time	(1"..20")
Diagnostics	
Display the number of Manoeuvres Performed	
Display the number of Operator hours of operation	
Display the number of System Life Hours	
Display the number of Resets	
Display the number of Stops (STOP commands)	
Display the number of Encoder notches	

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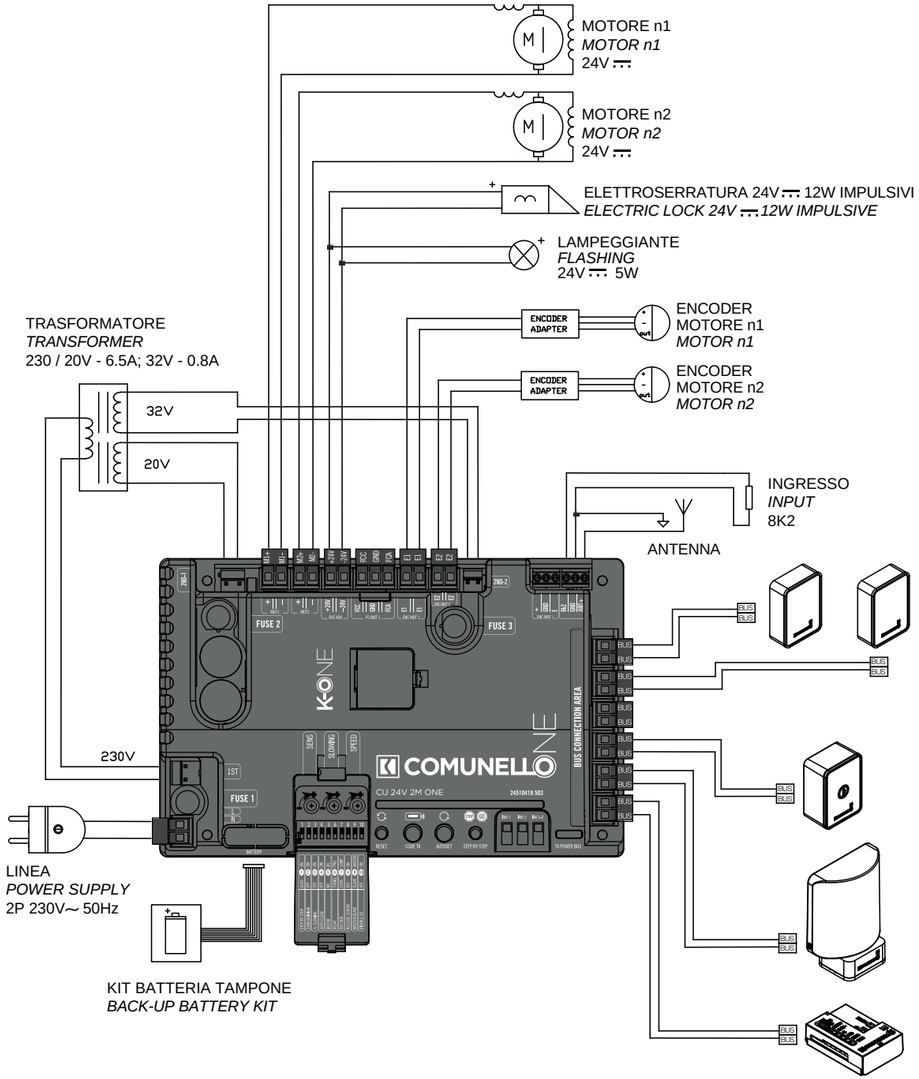
CU 24V ONE 2M Control Unit 24V One

Wiring diagram



FUNCTIONS

ADDITIONAL ADJUSTMENTS FROM THE APP:	
Guided procedure to check direction of rotation of the operators and change their settings.	
Commands	
Set the pause time (automatic closing)	(0"..40 min)
Enable Permanent Close.	(0"..40 min)
Force/Speed	
Adjust maximum operator speed during opening cycle	(10%..100%)
Adjust maximum operator speed during closing cycle	(10%..100%)
Adjust deceleration speed during opening cycle	(10%..100%)
Adjust deceleration speed during closing cycle	(10%..100%)
Start Operator 1 deceleration during opening cycle	(0%..100%)
Start Operator 1 deceleration during closing cycle	(0%..100%)
Start Operator 2 deceleration during opening cycle	(0%..100%)
Start Operator 2 deceleration during closing cycle	(0%..100%)
Adjust pedestrian opening	
Enable/Disable Operator Brake	
Enable/Disable Soft Stop	
Enable/Disable Soft Start	
Enable/Disable Release Stroke	
Enable/Disable Slam Lock	
Remote controls	
Read saved codes and set function	
Assign a text string for each code	
Delete single code	
Add a new code	
Check the presence of a code	
Photocells	
Enable/Disable Partial Inversion during Closing cycle	
Enable/Disable Partial Inversion during Opening cycle	
Enable/Disable Follow-Me	
Operation test	
Assign a text string for each photocell	
Set the MODE (operation) of each photocell	
Key switches	
Operation test	
Assign a text string for each key switch	
Set the MODE (operation) of each key switch	
Flashing lights	
Enable/Disable Closing Pre-Flash	
Enable/Disable Opening Pre-Flash	
Enable/Disable Fast Flash during Opening cycle	
Enable/Disable Fast Flash during Closing cycle	
Enable/Disable Flash during Pause	
Operation test	
Assign a text string for each key flashing light	
Interface I/O	
Operation test	
Assign a text string for each Interface I/O	
Set the MODE (operation) of each Interface I/O	
Utility output	
Set Electric lock activation time	(1"..20")
Diagnostics	
Display the number of Manoeuvres Performed	
Display the number of Operator Hours of operation	
Display the number of System Life Hours	
Display the number of Resets	
Display the number of Stops (STOP commands)	
Display the number of Encoder notches	

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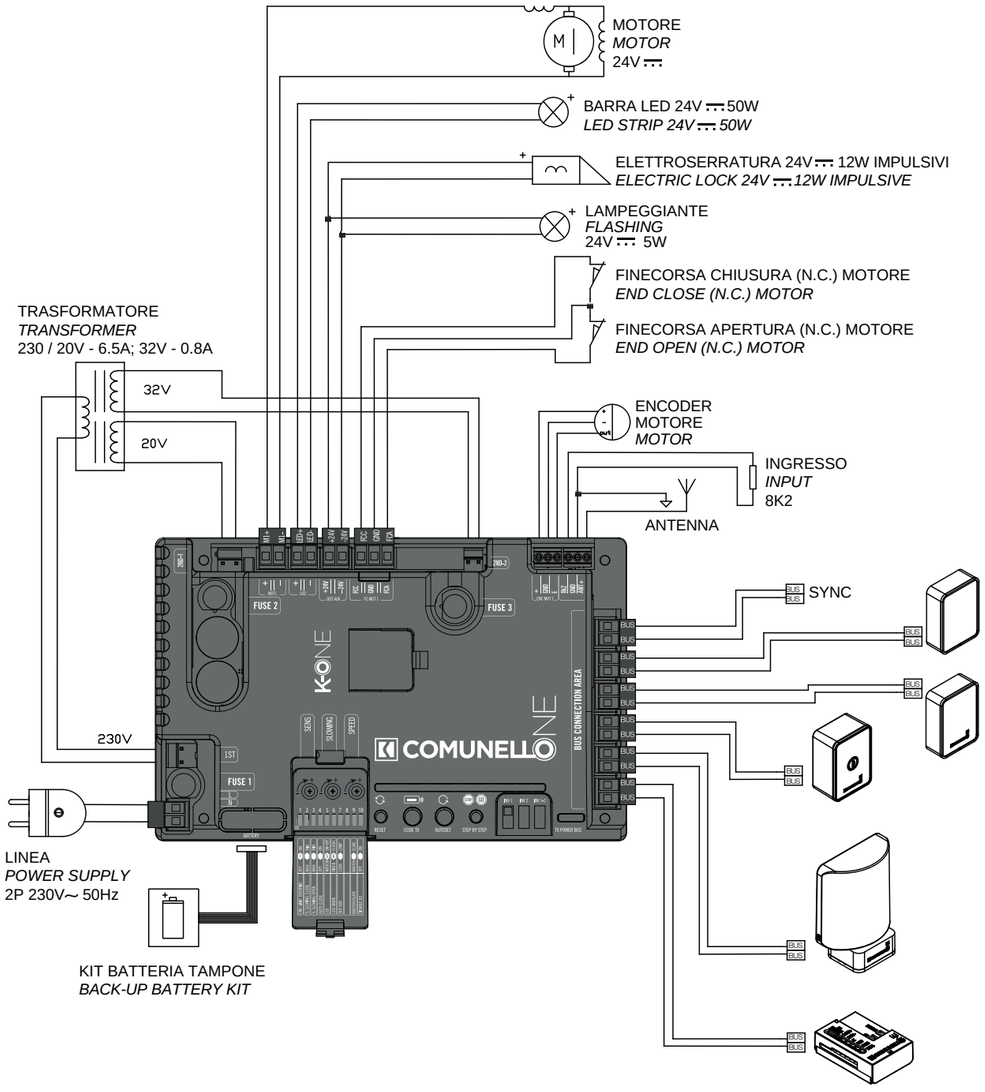
CU 24V ONE LT Control Unit 24V One - Limit

Wiring diagram

MASTER - G1ULTHP2L0G00
SLAVE - G1ULTSL0L0G00



FUNCTIONS

ADDITIONAL ADJUSTMENTS FROM THE APP:	
Guided procedure to check direction of rotation of the operators and change their settings.	
Commands	
Pause Time Setting (Automatic closure)	(0"..40 min)
Activation of Always Close function.	
Force/Speed	
Adjust maximum operator speed during opening cycle	(10%..100%)
Adjust maximum operator speed during closing cycle	(10%..100%)
Adjust deceleration speed during opening cycle	(10%..100%)
Adjust deceleration speed during closing cycle	(10%..100%)
Start Operator 1 deceleration during opening cycle	(0%..100%)
Start Operator 1 deceleration during closing cycle	(0%..100%)
Adjust pedestrian opening	(10%..100%)
Enable/Disable Operator Brake	(0%..100%)
Enable/Disable Soft Stop	(10%..100%)
Enable/Disable Soft Start	
LED strip control	
Remote controls	
Read saved codes and set function	
Assign a text string for each code	
Delete single code	
Add a new code	
Check the presence of a code	
Photocells	
Activation/Deactivation of Partial Inversion on Close	
Activation/Deactivation of Partial Inversion on Open	
Activation/Deactivation of Follow-Me	
Operation test	
Assign a text string for each photocell	
Set the MODE (operation) of each photocell	
Key switches	
Operation test	
Assign a text string for each I/O Interface	
Set the MODE (operation) of each I/O Interface	
Flashing lights	
Enable/Disable Pre-Flash on Closing	
Enable/Disable Pre-Flash on Opening	
Enable/Disable Fast Flash on Opening	
Enable/Disable Fast Flash on Closing	
Enable/Disable Flash on Pause	
Operation test	
Assign a text string for each flashing light	
I/O Interface	
Operation test	
Assign a text string for each I/O interface	
Set the MODE (operation) of each I/O interface	
Utility output	
Set Electric lock activation time	(1"..20")
Diagnostics	
Display the number of Manoeuvres Performed	
Display the number of Operator Hours of operation	
Display the number of System Life Hours	
Display the number of Resets	
Display the number of Stops	
Display the number of Encoder notches	

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Inddex

COMUNELLO

AUTOMATION

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AZ index

Swing gates

ARTICLE	ARTICLE	CODE	PAG.
ABACUS	ABACUS 220-ONE	G1A220MEL0B00	48
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ABACUS	ABACUS 500-ONE	G1A500MEL0B00	60
ABACUS	ABACUS 220-24V-FE	GAS220E0L0B00	50
ABACUS	ABACUS 220-24V-FE+E	GAS220EEL0B00	50
ABACUS	ABACUS 220-24V-FM	GAS220M0L0B00	50
ABACUS	ABACUS 220-230V-FM	GAS220M0H0B00	50
ABACUS	ABACUS 220-230V-FM+E	GAS220MEH0B00	50
ABACUS	ABACUS 300-230V-FE	GAS300E0H0B00	56
ABACUS	ABACUS 300-24V-FE	GAS300E0L0B00	56
ABACUS	ABACUS 300-230V-FM	GAS300M0H0B00	56
ABACUS	ABACUS 300-24V-FM	GAS300M0L0B00	56
ABACUS	ABACUS 300-230V-FM+E	GAS300MEH0B00	56
ABACUS	ABACUS 500-230V-FE	GAS500E0H0B00	62
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ABACUS KIT	KIT ABACUS 500-230V	GKAS500MHB000	65
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CONDOR	CONDOR 220-24V-FE+E	GCR220EEL0B00	70
CONDOR	CONDOR 220-230V-FM-SC	GCR220M0H0B00	70
CONDOR	CONDOR 220-24V-FM-SC	GCR220M0L0B00	70
CONDOR	CONDOR 220-230V-FM	GCR220MCH0B00	70
CONDOR	CONDOR 220-24V-FM	GCR220MCL0B00	70
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CONDOR	CONDOR 350-24V-FE+E	GCR350EEL0B00	76
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Sliding gates

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FORT	FORT 1000-24V-ONE	G1F100MEL0B00	110
FORT	FORT 400-24V	GFT040MCL0B00	104
FORT	FORT 500-230V	GFT050MCH0B00	104
FORT	FORT 600-24V	GFT060MCL0B00	112
FORT	FORT 700-230V	GFT070MCH0B00	112
FORT	FORT 1000-230V-MG-SC	GFT100GH0B00	112
FORT	FORT 1000-230V-MG	GFT100GCH0B00	112
FORT	FORT 1000-24V-MG	GFT100GCL0B00	112
FORT	FORT 1000-230V	GFT100MCH0B00	112
FORT	FORT 1000-24V	GFT100MCL0B00	112
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FORT KIT	KIT FORT 1000-24V-B	GKFT100MLB000	115
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RAMPART	RAMPART 1000-24V	GRT1000EL0W00	130
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RAMPART KIT	KIT RAMPART 1000	GKRT100BLW000	133
RAMPART KIT	KIT RAMPART 1000	GKRT100CLW000	133
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SALIENT	SALIENT-SLOW-230V	GSTOS0ECH0G00	136
SALIENT	SALIENT-230V-SC	GSTQF0EH0G00	136
SALIENT	SALIENT-24V-SC	GSTQF0EL0G00	136
SALIENT	SALIENT-230V	GSTQF0ECH0G00	136
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LIMIT	LIMIT 500-ONE-SLAVE	G1L05SEEL0R00	156
LIMIT	LIMIT 600-ONE	G1L060EEL0R00	164
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LIMIT	LIMIT 800-24V	GLT080EEL0R00	178
LIMIT	LIMIT 800-24V-INOX	GLT080EELIS00	178
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ACCESSORIES	AC-510	GLTANCH080G00	198
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ACCESSORIES	AC-540	GLTSPRINGHG00	199
ACCESSORIES	AC-545	GBRSPRINGHG00	199
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ACCESSORIES	AC-640	GLTBAR4000W00	201
ACCESSORIES	AC-641	GBRBAR4000W00	202
ACCESSORIES	AC-650	GLTBAR5000W00	201
ACCESSORIES	AC-655	GLTBAR6000W00	201
ACCESSORIES	AC-660	GLTSTRIP00W00	242
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ACCESSORIES	AC-671	GBRTOPP300R00	202
ACCESSORIES	AC-680	GLTTOPP400R00	202
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ACCESSORIES	AC-691	GBRTOPP500R00	202
ACCESSORIES	AC-695	GLTTOPP600R00	202
ACCESSORIES	AC-696	GBRTOPP600R00	202
ACCESSORIES	AC-700	GLTSTOPPERW00	203
ACCESSORIES	AC-705	GBRPLUGO30W00	203
ACCESSORIES	AC-710	GLTPLUGO10W00	203
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ACCESSORIES	AC-719	GLTPLUGO40W00	204
ACCESSORIES	AC-731	GLTBAR30T0W00	204
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ACCESSORIES	AC-765	GLTJOINTT0G00	204
ACCESSORIES	AC-770	GLTSWIFTN0G00	242
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ACCESSORIES	AC-800	GLTLED5000W00	203

Control units

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General terms of sale

1. GENERAL

1.1 This document is directed at the customers (hereinafter referred to as "Customers") of FRATELLI COMUNELLO SPA (hereinafter referred to as "FRATELLI COMUNELLO SPA").

1.2 It is intended to define the provisions regulating all purchase contracts entered into between FRATELLI COMUNELLO SPA and each Customer (hereinafter referred to as "General Conditions of Sale").

1.3 Purchase agreements subject to the General Conditions of Sale cover Products bearing the COMUNELLO brand (hereinafter referred to as "the Products").

2. PRELIMINARY OFFERS

2.1 Offers put forward by FRATELLI COMUNELLO to the Customers shall be valid for a maximum period of 20 (twenty) days from the date on which they are sent.

3. ORDERS

3.1 Pursuant to article 1329 of the Italian Civil Code, purchase orders signed by the Customers and addressed to FRATELLI COMUNELLO SPA constitute an established, irrevocable offer, valid for a period of 30 (thirty) days from the date on which they are received by FRATELLI COMUNELLO SPA.

3.2 The purchase agreement is executed once:
a) the purchase order is confirmed in writing by FRATELLI COMUNELLO SPA;
b) the purchase order is physically processed by FRATELLI COMUNELLO SPA.

3.3 Variations or additions to the individual provisions contained in the General Conditions of Sale or the purchase order will only be effective if expressly approved in writing by FRATELLI COMUNELLO SPA. If the purchase order is modified, FRATELLI COMUNELLO SPA reserves the right to cancel both the variations made and the original purchase order.

3.4 The date indicated in purchase orders for the delivery of the Products is always and in any event intended merely as an indication and any delays beyond the fixed date will not justify any claims for compensation or actions to terminate the agreement. More precisely, FRATELLI COMUNELLO SPA reserves the right to extend the delivery terms and to cancel the purchase order due to events of force majeure or events that are beyond its control; a change in the Customer's legal status; difficulties affecting the supply of raw materials or components.

4. DELIVERY AND SHIPMENT

4.1 The Products are delivered to either the production premises or the registered office of FRATELLI COMUNELLO SPA (hereinafter referred to as "Delivery").

4.2 If the Products are delivered Ex-works Rosà (VI) INCOTERMS 2010, risk will pass at the time of Delivery of the Products by FRATELLI COMUNELLO SPA to the Customer, who will also bear the transportation costs.

4.3 Unless otherwise agreed, FRATELLI COMUNELLO SPA establishes, in the Customer's name and on its behalf, the transportation route and carrier.

4.4 FRATELLI COMUNELLO SPA reserves the right to process partially or make partial Deliveries of purchase orders. The Customer may not make any objection regarding fractioned and/or partial deliveries. All partial Deliveries must be invoiced separately and the terms for payment will run from the date of each invoice. Payment of partial Deliveries may not be postponed until the final Delivery under the original purchase order. In the case of partial deliveries, the provisions contained in clause 4.1 will apply.

5. PRICES AND PRICE LISTS

5.1 The term price refers to that indicated in the latest FRATELLI COMUNELLO SPA price list, for the Products delivered to the Customer, normal packaging included, shipping costs excluded (hereinafter referred to as the "Price"). The latest price list issued by FRATELLI COMUNELLO SPA invalidates all previous price lists.

6. PAYMENT

6.1 The Price must be settled by the agreed date. Without prejudice to the right to claim further damage, failure to pay the Price by that date will give rise to the payment of interest for delay in commercial transactions, at the rate envisaged in Legislative Decree no. 231 dated 9.10.2002 and subsequent amendments and additions thereto. This interest will run from the date on which payment should have been made.

6.2 The Customer may not make applications or complaints to FRATELLI COMUNELLO SPA until the Price has been settled.

6.3 If payments have not been duly made, FRATELLI COMUNELLO SPA reserves the right to block all purchase orders and all Deliveries underway, without giving any prior notice or creating any right to compensation for any damage incurred.

7. RETURNED GOODS AND COMPLAINTS

7.1 All complaints must be made in writing within 8 (eight) days from receipt of the Products, whether they relate to either the quantity or the quality of the Products delivered.

7.2 Returned Products will only be accepted by FRATELLI COMUNELLO SPA if first agreed upon in writing and exclusively in relation to Products which are new and intact and still in their original packaging.

7.3 Goods returned must be accompanied by an appropriate transportation document for the return of merchandise, referring to the written authorisation obtained from FRATELLI COMUNELLO SPA and the quantity and quality of the Products.

7.4 Returned goods will not be held to have been accepted by FRATELLI COMUNELLO SPA if not delivered in the manner described above and, in particular, the delivery of the Products to the registered office or storage premises or FRATELLI COMUNELLO SPA will not be considered as an acceptance of returned goods.

7.5 It is understood that any amount credited with reference to goods returned for reasons that are not attributable to FRATELLI COMUNELLO SPA will be decreased by 30%.

8. WARRANTY

8.1 This warranty is supplied as part of commercial dealings or in the event of the sale of goods for professional use in keeping with article 1512 of the Italian Civil Code and, unless otherwise agreed by the Parties, is limited to the repair or replacement of the Product parts recognised by FRATELLI COMUNELLO SPA as defective with equivalent repaired Products (hereinafter referred to as the "Standard Warranty").

8.2 The provisions contained in articles 1490-1495 of the Italian Civil Code, relating to legal warranties, do not apply.

8.3 FRATELLI COMUNELLO SPA warrants that the Products are in good working order. Unless otherwise agreed, the Standard Warranty is valid for a period of 24 (twenty-four) months from the date of production, established for the Products. The warranty for the tubular motors inthe Showin line is valid for 60 (sixty) months from the date of production, whilst for the remaining Products in the Mowin line the warranty is valid for a period of 36 (thirty-six) months from the date of production. The validity of the Standard Warranty is conditional upon conformity of the technical characteristics and adoption of correct installation, executed in a workmanlike manner, safety and maintenance methods and conformity of use, expressly indicated in the technical documentation accompanying the Products.

8.4 The warranty does not cover: faults or damage caused by transportation; faults or damage caused by defects in the electric supply system installed at the premises of the purchaser of the Product and/or negligence, inadequacy or improper use of that system; faults or damage resulting from tampering on the part of non-authorised personnel or as a result of incorrect use/installation (in this regard, we recommend that the system be serviced at least every six months) or utilisation of non-original spare parts; defects caused by chemical agents and/or atmospheric conditions. The warranty does not cover the cost of labor, expendable material nor expenses stemming from presumed defects or unnecessary inspections.

8.5 Implementation of warranty: unless otherwise agreed, the right to apply the Standard Warranty is exercised by presenting a copy of the purchase document (fiscal invoice) to FRATELLI COMUNELLO SPA. The Customer must report the defect to FRATELLI COMUNELLO SPA within a period of 30 (thirty) days from the date on which it is discovered. Action must be taken within the statutory limitation period of 6 (six) months from the date of discovery. The parts of the Products for which a claim is made under the Standard Warranty must be sent by the Customer to FRATELLI COMUNELLO SPA Via Cassola 64 c.p. 79, 36027 Rosà (VI) Italy.

8.6 The Customer may not claim compensation for consequential damage, loss of profit, loss of production or may not in any event claim as compensation sums exceeding the value of the components or the Products supplied. All expenses relating to the transportation of the Products to be repaired or repaired, even if covered by the Standard Warranty, are borne by the Customer.

8.7 No external operation carried out by FRATELLI COMUNELLO SPA technical staff is covered by the Standard Warranty.

8.8 Specific modifications to the conditions contained in the Standard Warranty described herein may be established by the Parties in their sales agreements.

9. REPAIRS

9.1 Repairs to the Products requested by the Customer will be carried out by FRATELLI COMUNELLO SPA, having first agreed on the cost of the operation. In any event labour and transportation (to and from its premises) will be borne by the Customer.

10. RETENTION OF TITLE

10.1 It is expressly agreed that title to the Products will remain with FRATELLI COMUNELLO SPA until the Price has been fully settled by the Customer, regardless of whether it has possession of the said Products. Transportation costs and other expenses proving necessary to recover Products, such as extraordinary and recurring expenses, will be borne by the Customer.

11. PATENTS, TRADEMARKS AND DISTINCTIVE SIGNS

11.1 The Customer is aware of the fact that the Products are covered by patents and are the subject of Know-How and designs owned exclusively by FRATELLI COMUNELLO SPA, in keeping with the Italian Industrial Property Code.

11.2 It is expressly directed that the Customer must not under any circumstances infringe the rights of FRATELLI COMUNELLO SPA and the Customer may not in any event remove, delete or in any way alter trademarks or other distinctive signs or marks of any kind affixed to the Products, nor may it affix to them new marks or signs of any kind. No form of reproduction or use of the FRATELLI COMUNELLO SPA trademark or any other distinctive sign attached to the Products is permitted, without written authorisation from FRATELLI COMUNELLO SPA.

12. EXPRESS TERMINATION

12.1 Within the meaning and for the purposes envisaged in article 1456 of the Italian Civil Code, default in payment or payment delayed beyond ten days of the Price by the Customer, even if only partial, in the manner described in clause 6 of these General Conditions of Sale, will result in the termination of the purchase agreement and entitle FRATELLI COMUNELLO SPA to demand compensation of damage incurred from the Customer, as well as the return of those Products for which the Customer has not yet paid the Price.

12.2 The notice referred to in the previous sub-clause must be transmitted by registered mail with advice of receipt or by certified electronic mail.

13. AGREEMENTS BETWEEN THE PARTIES

13.1 Any agreements, already existing or entered into subsequently, between FRATELLI COMUNELLO SPA and the Customer, in relation to returned goods and methods of payment will prevail over the provisions contained in the General Conditions of Sale.

14. APPLICABLE LAW AND JURISDICTION

14.1 Purchase agreements stipulated in accordance with the General Conditions of Sale are subject to and must be construed in accordance with Italian law, excluding any other legislation or laws.

14.2 Any dispute that may arise in relation to the aforementioned purchase agreements shall be subject to Italian jurisdiction and referred exclusively to the Court of Vicenza (Italy). The contents of this catalogue may be modified at any time without the need for prior notice from Fratelli Comunello SPA.

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