

The logo for ONE TECHNOLOGY is centered within a black circle. The word "ONE" is written in a large, white, sans-serif font, with the letter "O" stylized as a white circle with a smaller white circle inside it. Below "ONE", the word "TECHNOLOGY" is written in a smaller, white, sans-serif font. The entire logo is set against a background of three concentric green circles of varying thicknesses, all centered on the page.

ONE
TECHNOLOGY

The logo for COMUNELLO AUTOMATION is located in the bottom right corner. The word "COMUNELLO" is written in a white, sans-serif font, with a small green and white icon to its right. Below "COMUNELLO", the word "AUTOMATION" is written in a green, sans-serif font.

COMUNELLO
AUTOMATION

INCREDIBLY SIMPLE



Installation made easy

EASY SET UP



INTELLIGENT CONNECTION

Any accessory can be connected to any terminal.

- 1 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.
- 2 After the intelligent connection, standard set-up can be achieved with the touch of a button.

This highly intelligent control unit can detect and identify all the peripheral accessories regardless of the terminal to which they are attached. With the one touch set-up it will complete a standard installation in seconds.

The same easy set-up can also be achieved using the ONE APP connected through the K-ONE wi-fi key.

COMUNELLO ONE APP



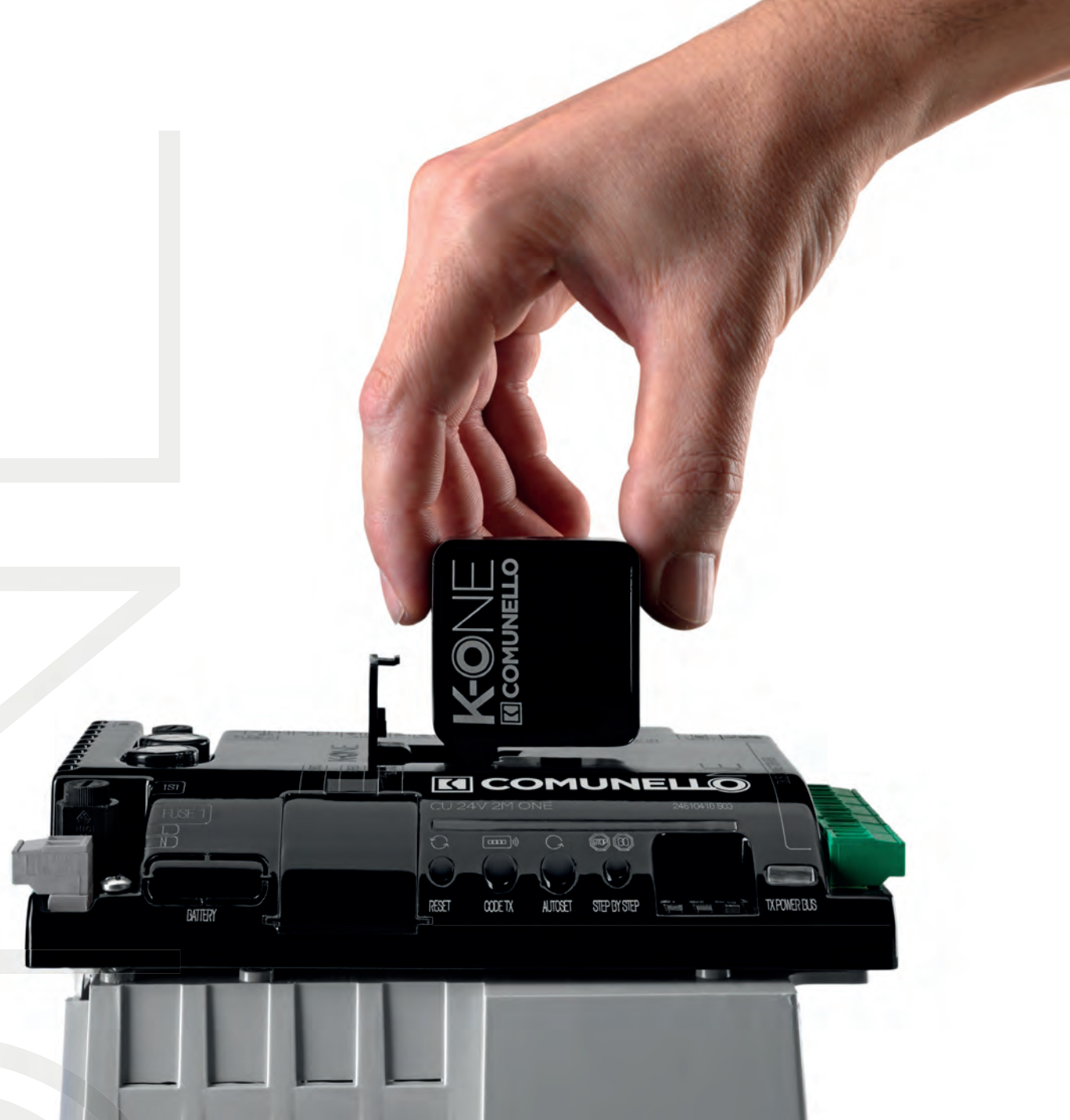
ONE APP EASY SET UP

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.

ONE APP PRO SET UP

A sophisticated and articulated PRO set-up can be achieved with the use of the K-ONE wi-fi key combined with the One App on smartphone or tablet.

INCREDIBLY PROFESSIONAL



This highly intelligent control unit can detect and identify all the peripheral accessories regardless of the terminal to which they are attached. With the one touch set-up it will complete a standard installation in seconds.

ONE technology when used through the One App can provide the most complete and articulated professional set-up in remote, but also can satisfy the requirements of a less experienced installer.

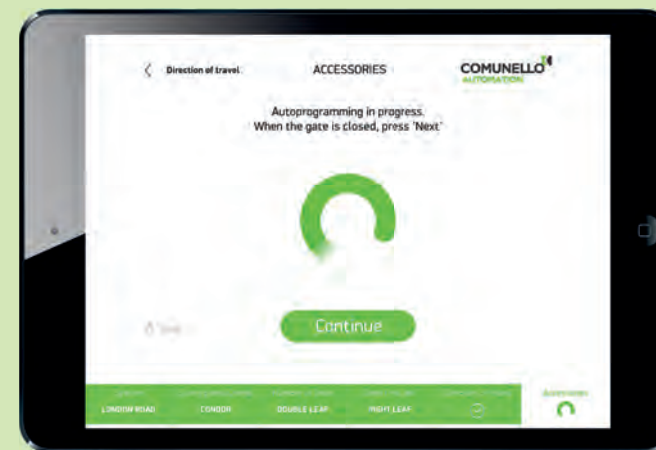
Total control - installation in minutes.



Select the type of gate being installed.



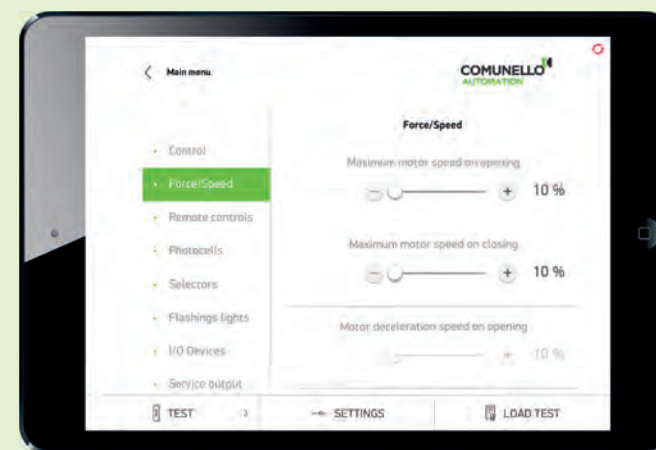
Rapid selection of motor direction/open-close setting.



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



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 300 remote control codes.

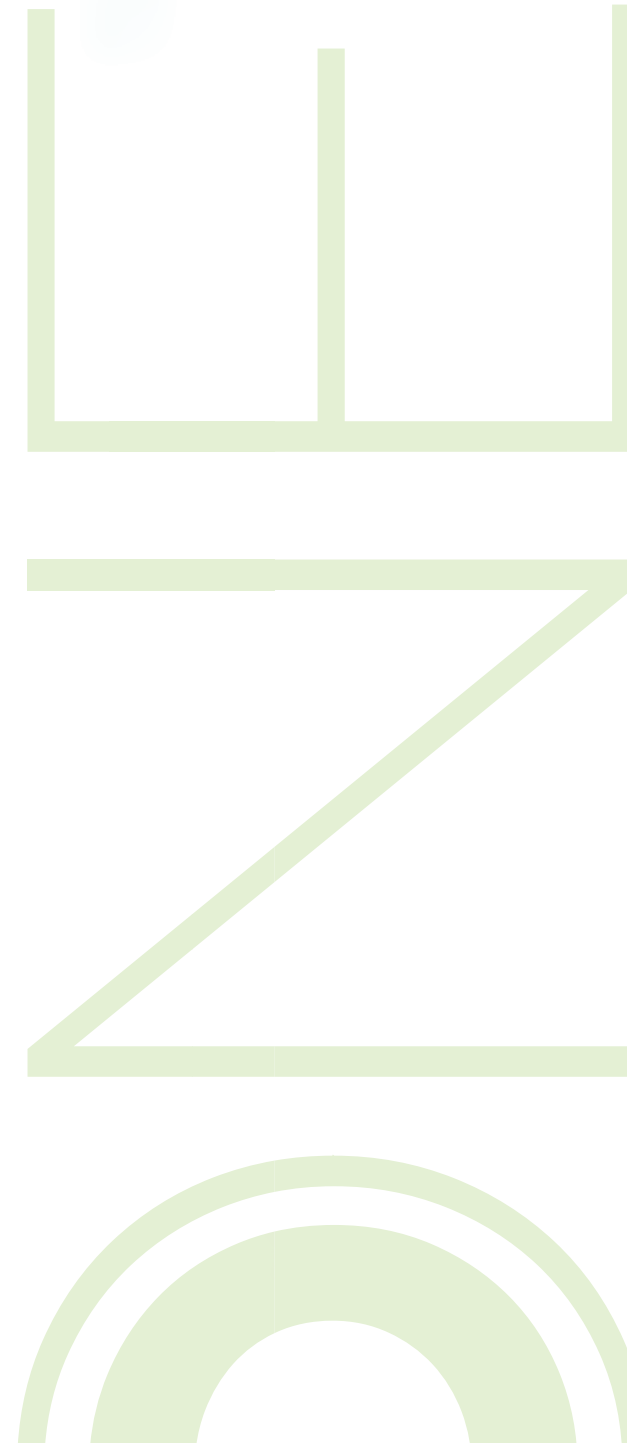
Pro-Settings allow for a fully articulated and detailed set-up. Incredibly easy, intuitive and rapid.

SIMPLY PROFESSIONAL



Comunello One

A complete automation system that makes **standard** mode installation exceptionally easy. In **pro** mode the technology rapidly allows incredibly precise and articulated set up.



ABACUS ONE



CONDOR ONE



CONDOR ONE



FORT ONE



LIMIT ONE



EAGLE ONE

ABACUS 220 ONE

Actuator for swing leaves up to 2,2 m

110 VAC ON DEMAND



ARTICLE	DESCRIPTION	PACKAGE	WEIGHT	PALLET
ABACUS 220 ONE	Rod actuator for swing leaves up to 2,2 m 24V mechanical stops with encoder	1 pcs.	8 kg	64

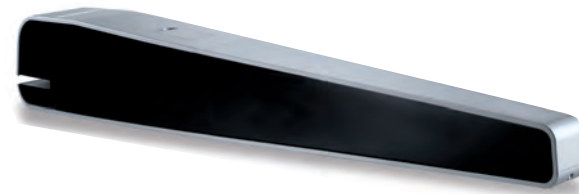
TECHNICAL CHARACTERISTICS

Electrical information	Power supply	Power consumption	Current input	Maximum thrust	Nominal thrust	Duty cycle	Protection rating (IP)	Insulation class	Working temperature	No-load speed	Weight
ABACUS 220 ONE	24 VDC	70 W	3 A	1500 N	500 N	30%	IP24D	3 (SELV)	-20°C / +50°C	18 mm/s	8 kg

ABACUS 300 ONE

For leaves up to 3 m

110 VAC ON DEMAND



ARTICLE	DESCRIPTION	PACKAGE	WEIGHT	PALLET
ABACUS 300 ONE	Rod actuator for swing leaves up to 3 m 24V mechanical stops with encoder	1 pcs.	10,1 kg	45

TECHNICAL CHARACTERISTICS

Electrical information	Power supply	Power consumption	Current input	Maximum thrust	Nominal thrust	Duty cycle	Protection rating (IP)	Insulation class	Working temperature	No-load speed	Weight
ABACUS 300 ONE	24 VDC	110 W	5 A	1800 N	600 N	Intensive	IP24D	3 (SELV)	-20°C / +50°C	21 mm/s	10,2 kg

ABACUS 500 ONE

For leaves up to 5 m

110 VAC ON DEMAND



ARTICLE	DESCRIPTION	PACKAGE	WEIGHT	PALLET
ABACUS 500 ONE	Rod actuator for swing leaves up to 5 m 24V mechanical stops with encoder	1 pcs.	10,7 kg	45

TECHNICAL CHARACTERISTICS

Electrical information	Power supply	Power consumption	Current input	Maximum thrust	Nominal thrust	Duty cycle	Protection rating (IP)	Insulation class	Working temperature	No-load speed	Weight
ABACUS 500 ONE	24 VDC	110 W	5 A	1800 N	600 N	Intensive	IP24D	3 (SELV)	-20°C / +50°C	21 mm/s	10,7 kg

ABACUS 220 ONE 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.

ART	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALLET
KIT ABACUS 220 ONE	KAS220-24V	Abacus One Kit for swing gates up to 2,2 m 24V	1 kit	22 kg	16

ABACUS 220 ONE KIT CONTENTS



ABACUS 220 ONE
2 MOTORS ABACUS 220 ONE



AC 40
Signage



DART ONE
External photocells



KEEP
2 channel transmitter



SWIFT ONE
Flashing signal light



QUAD ONE
Control unit for 2 motors

ABACUS 300 ONE KIT



ART	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALLET
KIT ABACUS 300 ONE	KAS300-24V	Abacus One Kit for swing gates up to 3 m 24V	1 kit	26,2 kg	16

ABACUS 300 ONE KIT CONTENTS



ABACUS 300 ONE
2 MOTORS ABACUS 300 ONE



AC 40
Signage



DART ONE
External photocells



KEEP
2 channel transmitter



SWIFT ONE
Flashing signal light



QUAD ONE
Control unit for 2 motors

CONDOR 220 ONE

Actuators with articulated arms for swing for leaves up to 2,2 m and 3,5 m

110 VAC
ON DEMAND

ARTICLE	DESCRIPTION	PACKAGE	WEIGHT	PALLET
CONDOR 220 ONE	24V built-in board with encoder	1 pcs.	10 kg	36
CONDOR 220 SLAVE ONE	24V without board. Mechanical stops and encoder	1 pcs.	10 kg	36



TECHNICAL CHARACTERISTICS

Electrical information	Power supply	Operating power supply	Power consumption	Current input	Torque	Duty cycle	Protection rating (IP)	Insulation class	Working temperature	Speed	Weight
CONDOR 220 ONE	230 VAC 50 Hz	24 VDC	110 W	5 A	150 Nm	30%	IP24D	1 (earthing)	-20°C / +50°C	0,10 rad/s	10 Kg

CONDOR 350 ONE

Actuators with articulated arms for swing for leaves up to 3,5m (only 24 VDC version)

110 VAC
ON DEMAND

ARTICLE	DESCRIPTION	PACKAGE	WEIGHT	PALLET
CONDOR 350 ONE	24V built-in board mechanical stops with encoder	1 pcs.	12 kg	36
CONDOR 350 SLAVE ONE	24V without board. Mechanical stops and encoder	1 pcs.	12 kg	36



TECHNICAL CHARACTERISTICS

Electrical information	Power supply	Operating power supply	Power consumption	Current input	Torque	Duty cycle	Protection rating (IP)	Insulation class	Working temperature	Speed	Weight
CONDOR 350 ONE	230 VAC 50 Hz	24 VDC	150 W	6,5 A	200 Nm	Intensive	IP24D	3 (SELV)	-20°C / +50°C	0,10 rad/s	10 Kg

CONDOR 500 ONE

Actuators with articulated arms for swing for leaves up to 5 m

110 VAC
ON DEMAND

ARTICLE	DESCRIPTION	PACKAGE	WEIGHT	PALLET
CONDOR 500 ONE	24V without board. Mechanical stops and encoder	1 pcs.	12 kg	60



TECHNICAL CHARACTERISTICS

Electrical information	Operating power supply	Power consumption	Current input	Torque	Duty cycle	Protection rating (IP)	Insulation class	Working temperature	Speed	Weight
CONDOR 500 ONE	24 VDC	150 W	6,5 A	330 Nm	Intensive use	IP24D	3 (SELV)	-20°C / +50°C	0,15 rad/s	8,8 Kg

CONDOR 220 ONE KIT



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ART	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALLET
KIT CONDOR 220 ONE	KAS220-24V	Condor Kit for swing gates up to 2,2 m 24V	1 kit	19,6 kg	12

CONDOR 220 ONE KIT CONTENTS



CONDOR 220 ONE
1 MOTOR CONDOR 220 ONE
1 MOTOR CONDOR 220 SLAVE ONE



AC 40
Signage



DART ONE
External photocells



KEEP 2
2 channel transmitter



SWIFT ONE
Flashing signal light



FORT 400 ONE

Electromechanical actuators for residential sliding gates up to 400 Kg



110 VAC ON DEMAND

ARTICLE	DESCRIPTION	PACKAGE	WEIGHT	PALLET
FORT 400 ONE	24V for sliding gates up to 400 Kg mechanical limit switches	1 pcs.	8,9 kg	36

TECHNICAL CHARACTERISTICS

Electrical information	Power supply	Operating power supply	Power consumption	Current input	Maximum thrust	Duty cycle	Protection rating (IP)	Insulation class	Working temperature	Max weight of gate	Rack module	Speed	Weight
FORT 400 ONE	230 VAC 50 Hz	24 VDC	70 W	3 A	350 N	intensive use	IP24D	1 (earthing)	-20°C / +50°C	400 Kg	M4	0,12 m/s	8,9 Kg

FORT 600 / 1000 ONE

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



110 VAC ON DEMAND

ARTICLE	DESCRIPTION	PACKAGE	WEIGHT	PALLET
FORT 600 ONE	24V for sliding gates up to 600 Kg mechanical limit switches	1 pcs.	10,6 kg	36
FORT 1000 ONE	24V for sliding gates up to 1000 Kg mechanical limit switches	1 pcs.	12 kg	36
FORT 1000 ONE MAGNETIC LIMIT	24V for sliding gates up to 1000 Kg magnetic limit switches	1 pcs.	12 kg	36

TECHNICAL CHARACTERISTICS

Electrical information	Power supply	Operating power supply	Power consumption	Current input	Maximum thrust	Duty cycle	Protection rating (IP)	Insulation class	Working temperature	Max weight of gate	Rack module	Speed	Weight
FORT 600 ONE	230 VAC 50 Hz	24 VDC	110 W	5 A	550 N	intensive use	IP24D	1 (earthing)	-20°C / +50°C	600 Kg	M4	0,17 m/s	10,6 Kg
FORT 1000 ONE	230 VAC 50 Hz	24 VDC	150 W	6,2 A	900 N	intensive use	IP24D	1 (earthing)	-20°C / +50°C	1000 Kg	M4	0,17 m/s	12 Kg

FORT 400 ONE 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.

ART	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALLET
KIT FORT 400 ONE	KFT400-24V	Fort Kit for sliding gates up to 400 kg 24V	1 kit	9,5 kg	36

FORT 400 ONE KIT CONTENTS



FORT 400 ONE
1 MOTOR FORT 400 ONE



AC 40
Signage



DART ONE
External photocells



KEEP 2
2 channel transmitter



SWIFT ONE
Flashing signal light

FORT 600 / 1000 ONE KIT



ART	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALLET
KIT FORT 600 ONE	KFT600-24V	Fort Kit for sliding gates up to 600 kg 24V	1 kit	11,2 kg	36
KIT FORT 1000 ONE	KFT1000-24V	Fort Kit for sliding gates up to 1000 kg 24V	1 kit	13 kg	36

FORT 600/1000 ONE KIT CONTENTS



FORT 600 / 1000 ONE
1 MOTOR FORT 600 / 1000 ONE



AC 40
Signage



DART ONE
External photocells



KEEP 2
2 channel transmitter



SWIFT ONE
Flashing signal light

EAGLE ONE

Underground electromechanical actuator for leaves up to 3,5 m



110 VAC
ON DEMAND

ARTICLE	DESCRIPTION	PACKAGE	WEIGHT	PALLET
EAGLE ONE	24V for swing leaves up to 3,5 m with encoder	1 pcs.	15 kg	60

TECHNICAL CHARACTERISTICS

Electrical information	Operating power supply	Power consumption	Current input	Torque	Duty cycle	Protection rating (IP)	Insulation class	Working temperature	Speed	Weight
EAGLE ONE	24 VDC	150 W	6,5 A	220 Nm	intensive use	IP24D	3 (SELV)	-20°C / +50°C	0,1 Rad/s	11,3 Kg

LIMIT 500 ONE

Electromechanical barrier raising systems with encoder for residential, industrial or public use for entrances up to 5 m in width



110 VAC
ON DEMAND

ARTICLE	DESCRIPTION	PACKAGE	WEIGHT	PALLET
LIMIT 500 ONE	Barrier with built-in control board 24V-fast version for entrances up to 5 m in width	1 pcs.	65 kg	6

TECHNICAL CHARACTERISTICS

Electrical information	Power supply	Operating power supply	Power consumption	Current input	Torque	Duty cycle	Protection rating (IP)	Insulation class	Working temperature
LIMIT 500 ONE	230 VAC	24 VDC	150 W	6,2 A	100 Nm	intensive use	IP24D	1(earthing)	-20°C / +50°C

■ Black
■ Red

LIMIT 600 ONE

Electromechanical barrier raising systems with encoder for residential, industrial or public use for entrances up to 6 m in width



110 VAC
ON DEMAND

ARTICLE	DESCRIPTION	PACKAGE	WEIGHT	PALLET
LIMIT 600 ONE	Barrier with built-in control board 24V- fast version for entrances up to 6 m in width	1 pcs.	65 kg	6

TECHNICAL CHARACTERISTICS

Electrical information	Power supply	Operating power supply	Power consumption	Current input	Torque	Duty cycle	Protection rating (IP)	Insulation class	Working temperature
LIMIT 600 ONE	230 VAC	24 VDC	150 W	6,2 A	100 Nm	intensive use	IP24D	1(earthing)	-20°C / +50°C

■ Black
■ Red

LIMIT 800 ONE

Electromechanical barrier raising systems with encoder for residential, industrial or public use for entrances up to 8 m in width



110 VAC
ON DEMAND

ARTICLE	DESCRIPTION	PACKAGE	WEIGHT	PALLET
LIMIT 800 ONE	Barrier with built-in control board 24V- fast version for entrances up to 8 m in width	1 pcs.	95 kg	6

TECHNICAL CHARACTERISTICS

Electrical information	Power supply	Operating power supply	Power consumption	Current input	Torque	Duty cycle	Protection rating (IP)	Insulation class	Working temperature
LIMIT 800 ONE	230 VAC	24 VDC	150 W	6,2 A	100 Nm	40%	IP24D	1(earthing)	-20°C / +50°C

■ Black
■ Red

ELECTRONIC CONTROL BOARD

Wi-fi Electronic control board



	QUAD CONTROL UNIT 2M ONE	QUAD CONTROL UNIT 1M-ONE	QUAD CONTROL UNIT LT-ONE
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	Accessory BUS	Accessory BUS	Accessory BUS
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	300 codes	300 codes	300 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

QUAD ONE

Control unit 1 o 2 motors



ARTICLE	DESCRIPTION	PACKAGE	WEIGHT	PALLET
QUAD - CONTROL UNIT-1M ONE	Control unit for 1 motor 24V Basic	1 pcs.	3,5 kg	66
QUAD - CONTROL UNIT-2M ONE	Control unit for 2 motors 24V Basic	1 pcs.	3,6 kg	66

TECHNICAL CHARACTERISTICS

Electrical information	Power supply	Operator outputs	Flashing light output	Electric lock output	Photocells power supply	Back-up battery input	Transmitter op.	Max TX codes stored in memory	Working temperature	Dimensions
QUAD - CONTROL UNIT-1M ONE	230 VAC 50-60Hz	24 VDC 50 W max	24 VAC 4W max	-	4 VDC 5 W max	-	18 bit or Rolling Code	120 (Code o Code PED/2°C)	-20°C / +50°C	100x105
QUAD - CONTROL UNIT-2M ONE	230 VAC 50-60Hz	24 VDC 2X50 W max	24 VAC 4W max	1A max	4 VDC 5 W max	24 VDC 7Ah max	18 bit or Rolling Code	120 (Code o Code PED/2°C)	-20°C / +50°C	100x105

K-ONE

Wi-fi connection key



K-ONE

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

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



DART ONE

External photocells



PACKAGE	WEIGHT
1 kit	0,15 kg

- 2 input bus connection wiring.
- Simple, reliable and affordable electronics 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 etc.
- Hidden fixing screws.
- Security complies with EN 12453 standards for all uses and activation.

INDEX ONE

Standard key-operated switch



PACKAGE	WEIGHT
1 pcs.	0,248 kg

- Key-operated switch with automatic return and standard style lock. Epoxy-coated cast aluminium casing.
- Integrated electronic circuit board with 2 input bus connection.
- Polycarbonate panel hides installation screws.
- Casing with key-operated lock for added security.

TACT RADIO

Digital switch with radio-controller keypad



PACKAGE	WEIGHT
1 pcs.	0,08 kg

- Digital radio-controlled switch with 2 transmission channels. Complete with protective seal to prevent circuit board oxidation.
- 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.

SWIFT ONE

Flashing signal lights



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

- 2 input bus connection wiring.
- 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.

DART ADJUSTABLE ONE DART SLIM ONE

Adjustable external photocells



PACKAGE	WEIGHT
1 kit	0,16 kg

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

External photocells (slim version)



PACKAGE	WEIGHT
1 kit	0,12 kg

- 2 input bus connection wiring.
- For use in places with extremely limited space.
- Digital technology which prevents interference issues.
- Casing with seal to limit water access. Red impact-resistant polycarbonate panel to avoid sun damage etc.
- Security complies with EN 12453 standards for all uses and activation.

Accessories compatible when used in conjunction with the I/O Board

INDEX EURO

Euro key-operated switch



PACKAGE	WEIGHT
1 pcs.	0,37 kg

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

TACT CARD

Switch with transponder



PACKAGE	WEIGHT
1 pcs.	0,06 kg

- 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.

TACT

Digital switch with keypad



PACKAGE	WEIGHT
1 pcs.	0,39 kg

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

TACT DEC

Decoder



PACKAGE	WEIGHT
1 pcs.	0,08 kg

- 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.

COMUNELLO

GATE AUTOMATION

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PROFESSIONAL ON-SITE TECHNICAL SERVICE

TECHNICAL INFORMATION

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