# **I** COMUNELLO AUTOMATION







The future is already here!

# Municipality: from specific to universal

## Expanding for 60 years

From a special accessory for sliding gates, the core business of the first company founded by Vittorio Comunello in 1965, to a group of 5 companies that are leaders in their sectors, exporting to over 105 countries worldwide. All the products for each company are designed and manufactured entirely at their offices in Italy. This total control over the production processes guarantees the highest level of quality in accessories for industrial gates and doors (COMUNELLO GATE), motors for gates, doors and barriers (COMUNELLO AUTOMATION), components for window frames (COMUNELLO FRAME), handles (HEXT) and window automations developed in the COMUNELLO MOWIN factories.







# Exactly what you want

# Maximum mechanical reliability, uncompromising simplicity

Mechanics is our strength, movement is our passion. The Automation Project was created to transform this experience into concrete solutions. The result? Products designed to exceed expectations, ensuring excellent performance and uncompromising quality.

We believe in innovation that simplifies: our control electronics are intuitive and designed to make every installation quick and efficient. Every connection is clearly marked, because your time is precious and we want to help you make the most of it.







# Municipality: Design made to resist

The union of style and practicality

An exclusive and patented design, designed to harmoniously blend aesthetics and functionality.

Elegant shapes, clean lines and an essential style that enhances every architectural context.

Solutions that combine innovation and sophistication, designed to last and make life easier for those who choose them.







# Comunello Formation LAB

## 1. COMUNELLO EXPERT TRAINING

2. CAT TRAINING (Technical Assistance Centres)

## **3. TRAINING DAYS**

FOR COMUNELLO EXPERT AND CAT





# **Somunello** Formation Lab



# HP CONTROL UNIT SIMPLE AND INTUITIVE

## Two supply voltages, one programming logic

The HP electronic control unit offers a wide range of programming options, making it the ideal solution for even the most advanced home automation systems. Comunello produces two types of power packs, 24V and 230V. To make life easier, the first set of commands is the same for both types of control panels, and configuration is via a simple and intuitive LED-based selection programme. The same programming logic applies to both, so the system is simple to learn. Life made easy!

# 230V HP



- Easy-to-use, LED driven multi-level menu for easy setup
- Motor reversing configuration
- 24V & 230V signalling / output beacon
- Protective pad-printed guide cover
- Engine brake
- Automatic stroke programming
- Dual fuse protection
- Direct adjustments of Speed (24V) or Force (230V), Slowdown and Sensitivity
- Auxiliary radio channel
- Direct lock control output
- Photo-test of photocells
- Opto-isolated inputs
- Removable radio module
- Buffer battery input (24V)
- Soft-Start & Soft-Stop
- Manual stroke programming
- · Locking with radio remote control
- · Simplified stroke adjustment or manoeuvring times
- Encoder input
- Removable connectors and simplified layout
- Condominium function
- Gate status indicator output
- Security input 8k2



# AC-950 LOCK 24

## Radio and Wifi control unit for remote automation control

Completing the technological range is the AC-950 control unit, a device that takes automation to another level. Alone or in combination with HP control units, it offers maximum convenience thanks to the remote control automation through the OneSmart app, Alexa and Google Home, personalized access

management, control programming and full compatibility with Victor RC remote controls. Suitable for sliding gates, swing gates, garage doors and road barriers, AC-950 is the ideal solution to make your automation smart

## **24V HP**



## 230V HP





## COMPATIBILITY AND AREAS OF USE



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# Automations for sliding gates

Comunello's automation systems for sliding gates represent excellence in terms of innovation, reliability and design. Designed to meet both residential and industrial needs, our electromechanical actuators ensure optimal performance and long life. The product range includes solutions for gates of different sizes and weights, offering an effective and safe solution for every type of installation.







# FORT Technical features





### MAIN FEATURES

Performance: Tested for mechanical performance and lubrication, and guaranteed even at low temperatures
Speed: Nominal and deceleration speed adjustable up to 0.28 m/s
Obstacle detection: Obstacle detection with power consumption or with encoder
Intensive use: 24 VDC version for heavy duty applications



## Cast aluminium pinion protection

### TECHNICAL FEATURES

	FORT 400 24V	FORT 500 230V	FORT 600 24V	FORT 800 24V	FORT 800 230V	FORT 1000 24V	FORT 1000 230V	FORT 1500 230V	
Voltage	230 VAC 50 Hz	230 VAC 50 Hz	230 VAC 50 Hz	230 VAC 50 Hz	230 VAC 50 Hz	230 VAC 50 Hz	230 VAC 50 Hz	230 VAC 50 Hz	
Motor power supply	24 VDC	230 VAC	24 VDC	24 VDC	230 VAC	24 VDC	230 VAC	230 VAC	
Power consumption	70 W	280 W	110 W	150 W	320 W	150 W	340 W	460 W	
Nominal absorption	3.0 A	1.2 A	5.0 A	5.6 A	1.4 A	6.2 A	1.5 A	2.0 A	
Internal gearing	Nylon	Nylon	Nylon	Metal	Metal	Metal	Metal	Metal	
Maximum thrust	350 N	450 N	550 N	750 N	750 N	900 N	900 N	1400 N	
Work intermittency	Intensive use	30%	Intensive use	Intensive use	30%	Intensive use	30%	30%	
Protection class (IP)	IP44	IP44	IP44	IP44	IP44	IP44	IP44	IP44	
Insulation class	2	1 (earthing)	2	2	1 (earthing)	2	1 (earthing)	1 (earthing)	
Operating temp.	-20°C/+50°C	-20°C/+50°C	-20°C/+50°C	-20°C/+50°C	-20°C/+50°C	-20°C/+50°C	-20°C/+50°C	-20°C/+50°C	
Maximum gate weight	400 kg	500 kg	600 kg	800 kg	800 kg	1000 kg	1000 kg	1500 kg	
Rack module	M4	M4	M4	M4	M4	M4	M4	M4	
Speed	0.26 m/s	0.17 m/s	0.28 m/s	0.28 m/s	0.17 m/s	0.21 m/s	0.17 m/s	0.17 m/s	
Weight	8.9 kg	9.9 kg	10.6 kg	12 kg	12 kg	12 kg	12.4 kg	12.6 kg	

# FORT

### Automation for sliding gates

24 VDC and 230 VAC with encoder – mechanical and magnetic limit switch

### 24 VDC motor with built-in electronics for sliding gates up to 1000kg

	-@	0101	Max door weight	**	((†))	0100 10101 0010	Ö	Ú	Fixing kit	Kg	
FORT 400	24 VDC	GFT040MEL0B00A	400 kg	CU 24V HP	•	•	•		•	8.9 kg	30
FORT 600	24 VDC	GFT060MEL0B00A	600 kg	CU 24V HP	•	•	•		•	10.6 kg	30
FORT 800	24 VDC	GFT080MEL0B00A	800 kg	CU 24V HP	•	•	•		•	11.6 kg	30
FORT 1000	24 VDC	GFT100MCL0B00A	1000 kg	CU 24V HP	•	•	•		•	12 kg	30
FORT 1000	24 VDC	GFT100GCL0B00A	1000 kg	CU 24V HP	•	•		•	•	12 kg	30

### 230 VAC motor with built-in electronics for sliding gates up to 1500kg

	-9	0101	Max door weight	**	((†))	0100 10101 0010	Ö	Ú	Fixing kit	Kg	
FORT 500	230 VAC	GFT050MEH0B00A	500 kg	CU 230V HP	•	•	•		•	9.9 kg	30
FORT 800	230 VAC	GFT080MEH0B00A	800 kg	CU 230V HP	•	•	•		•	11.6 kg	30
FORT 1000	230 VAC	GFT100MEH0B00A	1000 kg	CU 230V HP	•	•	•		•	12.4 kg	30
FORT 1000	230 VAC	GFT100GCH0B00A	1000 kg	CU 230V HP	•	•		•	•	12.4 kg	30
FORT 1000	230 VAC	GFT100G0H0B00A	1000 kg	-	•	•		•	•	12.4 kg	30
FORT 1500	230 VAC	GFT150MHH0B00A	1500 kg	CU 230V HP	•	•	•		•	12.6 kg	30
FORT 1500	230 VAC	GFT150GCH0B00A	1500 kg	CU 230V HP	•	•		•	•	12.6 kg	30

Product description DID Product Code Article 🗲 Voltage 🗱 Control unit Control Unit Maximum ((p)) Receiver radio Weight in Quantity per pallet in Quantity per pallet in the per box

## and a state = Encoder - 🔯 = Mechanical limit switch - 🖞 = Magnetic limit switch

\*\* Versions without a control unit available to create dual-motor configurations.

## KIT FORT 24V





Image: Fort 124V 1M CU Board   2 VICTOR 2 Channels rolling compared			AC-195 imit switch kit Support AC-220
1 Receiver GVCTR2STN0G00	GSWIFTSTLYBO	0A GSAFETYTN0G00 GF	T003FIN0G00 GFT001AAN0G00A
	0101	(Kg)	
FORT 400 FM+E KIT	GKFT040ELB000A	9.5 kg	30
FORT 600 FM+E KIT	GKFT060ELB000A	11.2 kg	30
FORT 800 FM+E KIT	GKFT080ELB000A	12.2 kg	30
FORT 1000 FM+E KIT	GKFT100ELB000A	13 kg	30

FM = Mechanical Limit Switch E = Encoder – All models are prepared for the Dual version

# KIT FORT 230V

Complete kit for sliding gates, 230 VAC up to 1500kg with mechanical limit switch.



FM = Mechanical Limit Switch E = Encoder – All models are prepared for the Dual version

## T)ㅏ

### Supplementary accessories

•			0101		Kg
	AC-220	Fixing bracket for sliding actuator Included in all KITS	GFT001AAN0G00A	1	1.8 kg
U)	AC-250	Fixing kit No.6 M10	GROD4M10N0G00	1	0.98 kg
	AC-195	Mechanical limit switch kit	GFT003FIN0G00	1	0.20 kg
	AC-200	Magnetic limit switch kit	GFT001FIN0G00A	1	0.8 kg
O	AC-205	Magnetic sensor	GFT002FIN0G00	1	0.12 kg
- · u.	AC-206	Electromechanical limit switch with elongated spring (for Fort 400/500/600/800/1000/1500 with Mini and Small Integrator opening system)	GFINECORNOOPO	1	0.11 kg
	AC-210	Sprocket module 6	GFT001CRN0G00	1	0.4 kg

# FORT

### Supplementary accessories

•			0101	<b>(</b>	(Kg)
	AG-260-1M	Galvanised iron rack M=4; A.B=22; L=1000 Galvanised iron rack M=6; A.B=30; L=1000	GACCGT1F00001 GACCGT1F00003	1	3.1 kg 6.0 kg
	AG-260-2M	Galvanised iron rack M=4; A.B=22; L=2000	GACCGT1F00002	1	6.2 kg
<u></u>	AG-261	M4 1m nylon rack with iron body and 6 fixing points	GACCGT1F00008	1	0.90 kg
<b>a a a a a a</b> 4 4 4 4 6 4 4 4 6 6 6 6	AG 261 KIT	M4 1m nylon rack with iron body, 6 fixing points, including screws	GACCGT1F00010	1	0.90 kg
Constanting of	AG-KIT 262	Screw-on galvanised rack 30x8x1M with spacers	GACCGT1F00005	1	1.6 kg
Constanting of	AG-KIT 262	Screw-on galvanised rack 30x12x1M with spacers	GACCGT1F00006	1	2.4 kg
Contraction of the second	AG-KIT 262	Screw-on galvanised rack 30x12x2M with spacers	GACCGT1F00007	1	4.9 kg

# FORT 2500 Technical features







Every single product is regularly tested at the end of the assembly line

## CU INDUSTRY 230V Quad 230V INVERTER FORT 2500/3500

### MAIN FEATURES

- Speed: thanks to the integrated inverter it is possible to adjust the nominal and deceleration speeds while maintaining high force levels and smooth handling.
- Acceleration: The control unit manages and adjusts the acceleration and deceleration ramps
- Security: The control unit can manage N.C. or 8K2 sensitive edges and photocells via dedicated inputs.
- Diagnostics: The control unit is able to perform real-time diagnostics by means of dedicated LEDs and fault signals in the display.
- Commands: The control unit manages the following commands: "opening only", "closing only", "step-by-step" and "pedestrian".
- Sensitivity: The control unit allows the sensitivity of obstacle detection to be adjusted.

## CU INDUSTRY 380V

Quad 380V FORT 2500/3500

### MAIN FEATURES

- Sensitivity: The control unit allows the sensitivity of obstacle detection to be adjusted.
- Commands: The control unit manages the following commands: "opening only", "closing only", "step-by-step" and "pedestrian".
- · Diagnostics: Dedicated LEDs allow real-time diagnostics.
- Security: The control unit can manage NC/8K2 sensitive edges and photocells via dedicated inputs.
- Simple: The main functions are easily activated by means of 10 dip-switches.





The fully oil-lubricated gearmotor guarantees high performance even at extreme temperatures (-20°C



Electromechanical limit switches included, also available in version with magnetic limit switch





Reliable electromechanical limit switch with IP67 protection rating

Robust output shaft with M4 module sprocket

### TECHNICAL FEATURES

	FORT 2500 380V STD FE	FORT 2500 230V INV FE	FORT 2500-S 230V INV FE *
Power supply	380V 50 Hz	230V 50 Hz	230V 50 Hz
Motor power supply	380V	230V 3 ~	230V 3 ~
Power consumption	0.37 KW	0.37 KW	0.37 KW
Max absorption	1.11 A	1.92 A	1.92 A
Maximum thrust	2000 N	2000 N	2000 N
Work intermittency	Intensive use	Intensive use	Intensive use
Protection class (IP)	IP44	IP44	IP44
Insulation class	1 (earthing)	1 (earthing)	1 (earthing)
Operating temp.	-20° /+50°	-20° /+50°	-20° /+50°
Maximum gate weight	2500 kg	2500 kg	2500 kg
Rack module	M4	M4	M4
Speed	0.17 m/s	Up to 0.38 m/s	Up to 0.19 m/s
Transmission ratio	1:50	1:50	1:100
Weight	35 kg	37 kg	37 kg
Central	CU INDUSTRY 380V	CU INDUSTRY 230V	CU INDUSTRY 230V

\* Dedicated actuator for Ranger telescopic sliding system



# FORT 3500 Technical features







Every single product is regularly tested at the end of the assembly line

## CU INDUSTRY 230V Quad 230V INVERTER FORT 2500/3500

### MAIN FEATURES

- Speed: thanks to the integrated inverter it is possible to adjust the nominal and deceleration speeds while maintaining high force levels and smooth handling.
- Acceleration: The control unit manages and adjusts the acceleration and deceleration ramps
- Security: The control unit can manage N.C. or 8K2 sensitive edges and photocells via dedicated inputs.
- Diagnostics: The control unit is able to perform real-time diagnostics by means of dedicated LEDs and fault signals in the display.
- Commands: The control unit manages the following commands: "opening only", "closing only", "step-by-step" and "pedestrian".
- Sensitivity: The control unit allows the sensitivity of obstacle detection to be adjusted.

## CU INDUSTRY 380V

Quad 380V FORT 2500/3500

### MAIN FEATURES

- Sensitivity: The control unit allows the sensitivity of obstacle detection to be adjusted.
- Commands: The control unit manages the following commands: "opening only", "closing only", "step-by-step" and "pedestrian".
- Diagnostics: Dedicated LEDs allow real-time diagnostics.
- Security: The control unit can manage NC/8K2 sensitive edges and photocells via dedicated inputs.
- Simple: The main functions are easily activated by means of 10 dip-switches.



### TECHNICAL FEATURES

	FORT 3500 380V STD FE	FORT 3500 230V INV FE	FORT 3500-S 230V INV FE*
Power supply	380V 50 Hz	230V 50 Hz	230V 50 Hz
Motor power supply	380V	230V 3 ~	230V 3 ~
Power consumption	0.75 KW	0.75 KW	0.75 KW
Max absorption	1.9 A	3.29 A	3.29 A
Maximum thrust	3000 N	3000 N	3000 N
Work intermittency	Intensive use	Intensive use	Intensive use
Protection class (IP)	IP44	IP44	IP44
Insulation class	1 (earthing)	1 (earthing)	1 (earthing)
Operating temp.	-20° /+50°	-20° /+50°	-20° /+50°
Maximum gate weight	3500 kg	3500 kg	3500 kg
Rack module	M6	M6	M4
Speed	0.17 m/s	Up to 0.38 m/s	Up to 0.19 m/s
Transmission ratio	1:50	1:50	1:100
Weight	46 kg	48 kg	48 kg
Central	CU INDUSTRY 380V	CU INDUSTRY 230V	CU INDUSTRY 230V

\* Dedicated actuator for Ranger telescopic sliding system



# FORT 2500

230 VAC and 380 VAC automation for sliding gates

### Three-phase motor 230 VAC and 380 VAC with built-in electronics for sliding gates up to 2500kg

•					0.		0		
	-92	0101	Max door weight	Inverter	((†))	Transmission ratio	Pinion	Kg	
FORT 2500	230 VAC	GFT250MXF2B00A	2500 kg	•	•	01:50	M4	38 kg	5
FORT 2500	400 VAC	GFT250MXG0B00A	2500 kg		•	01:50	M4	39 kg	5
Accessories									
•					٥	1101	1		Kg
II)	AC-250	Fixing kit No.6 M	Fixing kit No.6 M10			GROD4M10N0G00		(	).98 kg
0	AC-207	•	Long lever for electromechanical limit switch (for Fort 2500/3500 with <b>Integrator</b> opening system)			DRN00G0	1	(	).05 kg
	AC-212	Module 6 sprod	cket for Fort 2500	/3500	GFT003	CRN0G00	1		1.6 kg

# FORT 3500

### Three-phase motor 230 VAC and 380 VAC with built-in electronics for sliding gates up to 3500kg

		-@	0101	Max door weight	Inverter	(( <mark>†</mark> ))	Transmission ratio	Pinion	Kg	
FOR	T 3500	230 VAC	GFT350MXF0B00A	3500 kg	•	•	01:50	M6	53.5 kg	5
FOR	T 3500	400 VAC	GFT350MXG0B00A	3500 kg		•	01:50	M6	54 kg	5

Accessories

•			0101	$\bigcirc$	Kg
IL)	AC-250	Fixing kit No.6 M10	GROD4M10N0G00	1	0.98 kg
0	AC-207	Long lever for electromechanical limit switch (for Fort 2500/3500 with <b>Integrator</b> opening system)	GFINECORNOOGO	1	0.05 kg
	AC-211	Module 4 sprocket for Fort 2500/3500	GFT002CRN0G00	1	1.6 kg
	AC-212	Module 6 sprocket for Fort 2500/3500	GFT003CRN0G00	1	1.6 kg

Product description DID Product Code Article <table-cell-columns> Voltage 💥 Control unit Control unit Control unit Control unit Control Unit Control Control Unit Control Unit Control Unit Control Control Unit Control Control Control Unit Control C

# FORT Industrial SLOW version

230 VAC and 380 VAC automation for sliding gates



# FORT 2500 slow

	-9	0101	Max door weight	Inverter	((†))	Transmission ratio	Pinion	Kg	
FORT 2500-S	230 VAC	GFT250MXF1B00A	2500 kg	•	•	01:100 **	M4	39 kg	5

Electromechanical limit switches included, also available in version with magnetic limit switch

\*\* Compatible with the RANGER Comunello system

# FORT 3500 slow

	-Œ	0101	Max door weight	Inverter	((†))	Transmission ratio	Pinion	Kg	1
FORT 3500-S	230 VAC	GFT350MXF1B00A	3500 kg	•	•	01:100 **	M4	54 kg	5

Electromechanical limit switches included, also available in version with magnetic limit switch

\*\* Compatible with the RANGER Comunello system

# Automations for swing gates

Comunello swing gate automations embody the perfect balance of advanced technology, reliability and refined design. Ideal for both residential and commercial applications, our electromechanical actuators are designed to ensure excellent performance and long life. The product range is designed to fit gates of various sizes and weights, offering safe and efficient solutions for every type of installation







# HYRON

## Electromechanical actuator with telescopic piston for swing gates







The stainless steel stem and the die-cast aluminium front fixture guarantee reliability and durability over time.

Axial motor screwed to the body.

Removable lower terminal block with enlarged cable gland.

Version with electronic limit switches to easily adjust the travel of the door.



DOOR OPENING (a)						
	270	120	920	1285	25	
	130	130	1030	1285	35	
	150	130	1010	1285	35	
90°	130	130	1020	1310	60	★ Fixed at 90°
	150	220	910	1290	125	
	120	270	885	1290	170	
	120	270	905	1300	200	★ Fixed at 90°
105°	180	160	910	1290	65	
120°	180	130	910	1290	35	
120*	170	130	935	1310	60	★ Fixed at 90°

#### HYRON 500 USAGE LIMITS

TECHNICAL FEATURES



 $\star$  Fixed bracket included

DOOR OPENING (α)	A	В	E	F	C	
	120	120	1250	1490	25	
	200	120	1080	1490	25	
	150	150	1190	1490	60	
90°	150	200	1140	1490	105	
	200	200	1090	1490	105	
	120	300	1040	1490	200	
	120	350	995	1490	255	
1000	200	130	1080	1490	35	
120°	200	148	995	1490	80	★ Fixed at 90°

#### ★ Fixed bracket included

Available with mechanical or electronic limit switches and in versions with encoders

	HYRON 220	HYR	ON 300	HYRO	N 500
Motor power supply	24V	24V	230V ~ 50Hz	24V	230V ~ 50Hz
Power consumption	70 W	110 W	280W	110 W	280 W
Absorption	3 A	5 A	1.2 A	5 A	1.2 A
Electric motor	Permanent magnets	Permanent magnets	Asynchronous two-phase	Asynchronous two-phase	Asynchronous two-phase
Max Thrust	1500 N	2000 N	1800 N	2000 N	1800 N
Nominal Thrust	500 N	600 N	700 N	600 N	700 N
Starting capacitor	-	-	8 µF	-	8 µF
Stroke	400 mm	400 mm	400 mm	500 mm	500 mm
No load speed	18mm/s	22 mm/s	16mm/s	22mm/s	16mm/s
Opening time 90° *	up to 14s	up to 11.5s	up to 18s	up to 13.5s	up to 20s
Work intermittency	Intensive	Intensive	40%	Intensive	30%
Degree of protection			IP 44		
Insulation class				I	I
Operating temp.			from -20°C to + 50°C		
Max. gate mass			SEE GRAPHIC		
Mass	7 kg	7.8 kg	8.3 kg	8.8 kg	9.3 kg

### HYRON 220/300 USAGE LIMITS

# HYRON 220 - 300 - 500

### Automation for swing gates

### Telescopic actuators with 24VDC worm screw for hinged gates up to 2.2m long

	0101	-6	Max door length	Max weight door	Limit switch	(Kg)	
HYRON 220 24V E FM	GHN220X0LF000A	24 VDC	2.2	250	Mechanical	9.5 kg	60
HYRON 220 24V E FE	GHN220Y0LF000A	24 VDC	2.2	250	Electronics	10 kg	60

### Telescopic actuators with 24VDC worm screw and 230 for swing-leaf gates up to 3m long

	0101	-92	Max door length	Max weight door	Limit switch	(Kg)	
HYRON 300 24V E FM	GHN300X0LF000A	24 VDC	3	500	Mechanical	10 kg	60
HYRON 300 24V E FE	GHN300Y0LF000A	24 VDC	3	500	Electronics	10.5 kg	60
HYRON 300 230V E FM	GHN300X0HF000A	230V	3	500	Mechanical	10.5 kg	60
HYRON 300 230V E FE	GHN300Y0HF000A	230V	3	500	Electronics	11 kg	60

### Telescopic actuators with 24VDC worm screw and 230 for swing-leaf gates up to 5m long

	0101	-12	Max door length	Max weight door	Limit switch	Kg	
HYRON 500 24V E FM	GHN500X0LF000A	24 VDC	5	500	Mechanical	11 kg	60
HYRON 500 24V E FE	GHN500Y0LF000A	24 VDC	5	500	Electronics	11.5 kg	60
HYRON 500 230V E FM	GHN500X0HF000A	230V	5	500	Mechanical	11.5 kg	60
HYRON 500 230V E FE	GHN500Y0HF000A	230V	5	500	Electronics	12 kg	60

#### Accessories included



### HYRON complementary accessories

OIOI Product code



Article I Voltage Control I Maximum (( )) Receiver Region Weight Output of the perpatient

Quantity

KIT HYRON 24	$\checkmark$				MURSHVAN MARK
Automation for swing gates with mech	nanical limit swit	ch plus encoder			
		• • • •		•	Recommends A commendation CE
2 HYRON	<b>1 QUAD 24V HP</b> With receiver GQUADHP2L0G00	2 VICTOR 2 Channels rolling code GVCTR2STN0G00	1 PAIR PHOTOCELLS	<b>1 SWIFT</b> Flashing beacon GSWIFTSTLYB00A	AC-40 Signage table GSAFETYTN0G00

Complete kits with telescopic worm gear actuators, 24 VDC, for swing gates up to 5m long

	Ö		0100 10101 0010		0101	Kg	1
HYRON 220 24V FM HP FULL KIT	•		•	Quad 24HP	GKHN22MHLF900A	21.5 kg	15
HYRON 220 24V FE HP FULL KIT		•	•	Quad 24HP	GKHN22EHLF900A	21.5 kg	15
HYRON 300 24V FM HP FULL KIT	•		•	Quad 24HP	GKHN30MHLF900A	20 kg	15
HYRON 300 24V FE HP FULL KIT		•	•	Quad 24HP	GKHN30EHLF900A	20 kg	15
HYRON 500 24V FM HP FULL KIT	•		•	Quad 24HP	GKHN50MHLF900A	22 kg	15
HYRON 500 24V FE HP FULL KIT		•	•	Quad 24HP	GKHN50EHLF900A	22 kg	15

**FM** = Mechanical Limit Switch **E** = Encoder

# KIT HYRON 230V



### Complete kits with telescopic worm gear actuators, 230 VAC, for swing gates up to 5m long

	$\odot$		0100 10101 0010		0101	Kg	1
HYRON 300 230V FM HP FULL KIT	•		•	Quad 230HP	GKHN30MHHF900A	21 kg	15
HYRON 300 230V FE HP FULL KIT		•	•	Quad 230HP	GKHN30EHHF900A	21 kg	15
HYRON 500 230V FM HP FULL KIT	•		•	Quad 230HP	GKHN50MHHF900A	23 kg	15
HYRON 500 230V FE HP FULL KIT		•	•	Quad 230HP	GKHN50EHHF900A	23 kg	15

**FM** = Mechanical Limit Switch **E** = Encoder

### Accessories included in the kit:


# SKY Electromechanical actuator for swing gates





Every single product is regularly tested at the end of the assembly line





Aluminium and bronze self-lubricating gears that ensure high wear resistance.

Mechanical screw that facilitates movement even when fully loaded

Bevel gears for smooth and silent movements

Micro-adjustment thanks to mechanical opening and closing stops attached to the collar worm screw

Version with electronic limit switches to easily adjust the travel of the door

#### SKY 220 3.00 m SKY 300 2.75 m (ju) 2.50 m 2.25 m 2.00 m 2.00 m 1.75 m 1.50 m 100 150 200 250 300 350 400 450 500 50

DOOR OPENING (α)					
	100	170	745	25	80
	110	110	745	50	80
	120	120	745	40	80
90°	130	130	740	20	100
90*	130	200	745	100	100
	150	200	745	50	100
	130	220	745	75	100
	130	220	745	150	100
	120	120	745	25	80
100°	170	150	740	50	100
	190	130	745	120	90
	150	130	745	35	85
110°	150	150	745	60	90
	170	130	745	35	90

SKY 500 USAGE LIMITS

0



Door weight (kg)

DOOR OPENING (α)	A	В	E	C	D	ACCESSORIES
90°	150	200	845	50	100	
	150	250	845	150	100	
	100	150	840	0	75	
	130	200	840	50	95	
	150	250	845	170	125	AC 85
	150	300	845	200	125	AC 85
	120	200	845	100	100	
115°	150	150	845	0	100	
	180	180	845	100	100	

#### TECHNICAL FEATURES

Available with mechanical or electronic limit switches and in versions with encoders

	SKY 220	SK	Y 300	SKY	500
Motor power supply	24V	24V	230V ~ 50Hz	24V	230V ~ 50Hz
Power consumption	70 W	110 W	280W	110 W	280 W
Absorption	3 A	5 A	1.2 A	5 A	1.2 A
Electric motor	Permanent magnets	Permanent magnets	Asynchronous two-phase	Asynchronous two-phase	Asynchronous two-phase
Max Thrust	1500 N	2000 N	2000 N	2000 N	2000 N
Nominal Thrust	500 N	600 N	700 N	600 N	700 N
Starting capacitor	-	-	8 µF	-	8 μF
Stroke	360 mm	360 mm	360 mm	460 mm	460 mm
No load speed	18mm/s	22 mm/s	16mm/s	22mm/s	16mm/s
Opening time 90° *	up to 14s	up to 11.5s	up to 18s	up to 13.5s	up to 20s
Work intermittency	Intensive	Intensive	50%	Intensive	50%
Degree of protection			IP 44		
Insulation class			I.	Ш	
Operating temp.			from -20°C to + 50°C		
Max. gate mass			SEE GRAPHIC		
Mass	7 kg	7.8 kg	8.3 kg	8.8 kg	9.3 kg

#### SKY 220/300 USAGE LIMITS

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### SKY 220 - 300 - 500

#### Automation for swing gates

#### 24VDC worm screw actuators for swing gates up to 2.2m length

	0101	-92	Max door length	Max door weight	Limit switch	Kg	
SKY 220 24V E FM	GSY220X0LF000A	24 VDC	2.2	250	Mechanical	8 kg	60
SKY 220 24V E FE	GSY220Y0LF000A	24 VDC	2.2	250	Electronics	8.5 kg	60

#### 24VDC and 230VDC worm screw actuators for swing gates up to 3m length

	0101	-92-	Max door length	Max door weight	Limit switch	Kg	1
SKY 300 24V E FM	GSY300X0LF000A	24 VDC	3	500	Mechanical	8.5 kg	60
SKY 300 24V E FE	GSY300Y0LF000A	24 VDC	3	500	Electronics	9 kg	60
SKY 300 230V E FM	GSY300X0HF000A	230V	3	500	Mechanical	9 kg	60
SKY 300 230V E FE	GSY300Y0HF000A	230V	3	500	Electronics	9.5 kg	60

#### 24VDC and 230VDC worm screw actuators for swing gates up to 5m length

	0101	-92	Max door length	Max door weight	Limit switch	(Kg)	<b>W</b>
SKY 500 24V E FM	GSY500X0LF000A	24 VDC	5	500	Mechanical	9.5 kg	60
SKY 500 24V E FE	GSY500Y0LF000A	24 VDC	5	500	Electronics	10 kg	60
SKY 500 230V E FM	GSY500X0HF000A	230V	5	500	Mechanical	10 kg	60
SKY 500 230V E FE	GSY500Y0HF000A	230V	5	500	Electronics	10.5 kg	60

Accessories included



#### SKY complementary accessories

•			0101	1	Kg
	AC-61	SKY galvanised adjustable brackets	GSY001SRN0Z00A	6	1kg
	AC-80	Long galvanised weld-on rear bracket	GAS003ASN0G00	2	1.75kg
•••••	AC-85	Galvanised adjustable front bracket	GAS004ASN0G00	1	0.9kg

Product code Article 🕊 Voltage 💥 Control 🛄 Maximum ((p)) Receiver 🛱 Weight 🔊 Quantity per pallet 🐼 Quantity

KIT SKY 24V					SKY	
Automation for swing gates with	mechanical limit swit	ch plus encodei	-		LI: KI	
		• • • •		•	R COMMUNIC	
2 SKY	<b>1 QUAD 24V HP</b> With receiver GQUADHP2L0G00	2 VICTOR 2 Channels rolling code GVCTR2STN0G00	1 PAIR PHOTOCELLS	<b>1 SWIFT</b> Flashing beacon GSWIFTSTLYBOOA	AC-40 Signage tab GSAFETYTNO	le
Complete kits with worm gear actuat	ors, 24 VDC, for swing g	gates up to 5m lor	ıg			
	Ö 👌	0100 10101 0010		0101	Kg	

	Ö				0101	(Kg)	1
SKY 220 24V FM HP FULL KIT	•		•	Quad 24HP	GKSY22MHLF900A	18.5 kg	15
SKY 220 24V FE HP FULL KIT		•	•	Quad 24HP	GKSY22EHLF900A	18.5 kg	15
SKY 300 24V FM HP FULL KIT	•		•	Quad 24HP	GKSY30MHLF900A	17 kg	15
SKY 300 24V FE HP FULL KIT		•	•	Quad 24HP	GKSY30EHLF900A	17 kg	15
SKY 500 24V FM HP FULL KIT	•		•	Quad 24HP	GKSY50MHLF900A	19 kg	15
SKY 500 24V FE HP FULL KIT		•	•	Quad 24HP	GKSY50EHLF900A	19 kg	15

**FM** = Mechanical Limit Switch **E** = Encoder

### KIT SKY 230V



#### Complete kits with worm gear actuators, 230 VAC, for swing gates up to 5m long

	Ö	Š.	0100 10101 0010		0101	Kg	1
SKY 300 230V FM HP FULL KIT	•		•	Quad 230HP	GKSY30MHHF900A	18 kg	15
SKY 300 230V FE HP FULL KIT		•	•	Quad 230HP	GKSY30EHHF900A	18 kg	15
SKY 500 230V FM HP FULL KIT	•		•	Quad 230HP	GKSY50MHHF900A	20 kg	15
SKY 500 230V FE HP FULL KIT		•	•	Quad 230HP	GKSY50EHHF900A	20 kg	15

**FM** = Mechanical Limit Switch **E** = Encoder

#### Accessories included in the kit:

# ABACUS Technical features







	ABACUS 220	ABACUS 300	ABACUS 500
A	765	805	955
в	95	105	105
С	95	115	115
D	61,3	61,5	61,5











#### TECHNICAL FEATURES

Available with mechanical or electronic limit switches and in versions with encoders

	ABACUS 220 24V	ABACUS 220 230V	ABACUS 300 24V	ABACUS 300 230V	ABACUS 500 24V	ABACUS 500 230V
Voltage	24 VDC	230 VAC	24 VDC	230 VAC	24 VDC	230 VAC
Power consumption	70 W	180 W	110 W	280 W	110 W	280 W
Max absorption	3 A	0.8 A	5 A	1.2 A	5 A	1.2 A
Maximum thrust	1500 N	1400 N	1800 N	2000 N	1800 N	2000 N
Max stroke	296 mm	296 mm	296 mm	296 mm	446 mm	446 mm
Work intermittency	Intensive use	50%	Intensive use	50%	Intensive use	50%
Protection class (IP)	IP44	IP44	IP44	IP44	IP44	IP44
Insulation class	2	1 (earthing)	2	1 (earthing)	2	1 (earthing)
Operating temp.	-20°C / +50°C	-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	16 mm/s	21 mm/s	16 mm/s	21 mm/s	16 mm/s
Weight	8 kg	8.6 kg	10.1 kg	10.7 kg	10.7 kg	11.2 kg

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#### CONDOR ABACUS 220 USAGE LIMITS





							AS2	220	-				-			AC 80
	Х	8	30	1	00	1	20	14	40	1	60	18	80	2	00	AC 85
,	ſ	K a <sub>max</sub>	C <sub>0</sub>	K a <sub>max</sub>	Z C <sub>0</sub>											
1(	00	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	
12	20	567 97°	60 649	549 105°	65 649	529 112°	75 649	509 106°	85 649	489 96°	90 649	469 90°	105 649			
14	40	566 96°	65 649	546 104°	70 649	526 110°	80 649	506 95°	90 649	488 89°	100 649					
16	60	564 95°	70 649	546 102°	75 649	527 95°	85 649	508 88°	95 649							
18	30	564 95°	75 649	544 96°	85 649	526 87°	95 649									









### ABACUS 220 - 300 - 500

#### Automation for swing gates 24 VDC and 230 VAC

#### 24VDC and 230VDC worm screw actuators for swing gates up to 2.2m length

	-92	0101	Max door length *	Ö	S.		Kg	
ABACUS 220	24 VDC	GAS220MEL0B00	2.2 m	•		•	8 kg	56
ABACUS 220	24 VDC	GAS220EEL0B00	2.2 m		•	•	8 kg	56
ABACUS 220	230 VAC	GAS220MEH0B00	2.2 m	•		•	8.6 kg	56
ABACUS 220 TOTAL BLACK*	24 VDC	GAS220MEL0T00	2.2 m	•		•	8 kg	56
ABACUS 220 TOTAL BLACK*	230 VAC	GAS220MEH0T00	2.2 m	•		•	8.6 kg	56

#### 24VDC and 230VDC worm screw actuators for swing gates up to 3m length

	-92	0101	Max door length *	$\odot$	S.	0100 10101 0010	Kg	
ABACUS 300	24 VDC	GAS300MEL0B00	3.0 m	•		•	10.1 kg	56
ABACUS 300	24 VDC	GAS300EEL0B00	3.0 m		•	•	10.1 kg	56
ABACUS 300	230 VAC	GAS300MEH0B00	3.0 m	•		•	10.7 kg	56
ABACUS 300 TOTAL BLACK*	24 VDC	GAS300MEL0T00	3.0 m	•		•	10.1 kg	56
ABACUS 300 TOTAL BLACK*	230 VAC	GAS300MEH0T00	3.0 m	•		•	10.7 kg	56

#### 24VDC and 230VDC worm screw actuators for swing gates up to 5m length

	-62	0101	Max door length *	$\bigcirc$	S.	0100 10101 0010	Kg	
ABACUS 500	24 VDC	GAS500MEL0B00	5.0 m	•		•	10.7 kg	42
ABACUS 500	24 VDC	GAS500EEL0B00	5.0 m		•	•	10.7 kg	42
ABACUS 500	230 VAC	GAS500MEH0B00	5.0 m	•		•	11.2 kg	42
ABACUS 500 TOTAL BLACK*	24 VDC	GAS500M0L0T00	5.0 m	•		•	10.7 kg	56
ABACUS 500 TOTAL BLACK*	230 VAC	GAS500MEH0T00	5.0 m	•		•	11.2 kg	56

**\*TOTAL BLACK on demand** 

#### Supplementary accessories

•			0101	$\bigcirc$	Kg
	AC-60	Screw-on galvanised adjustable rear bracket	GAS001ASN0G00	6	1 kg
	AC-63	Abacus galvanised adjustable brackets	GAS001SRN0G00A	6	1 kg
	AC-70	Screw-on galvanised rear bracket	GAS002ASN0G00	2	0.95 kg
	AC-80	Long galvanised weld-on rear bracket	GASOO3ASNOGOO	2	1.75 kg
• • • •	AC-85	Galvanised adjustable front bracket	GAS004ASN0G00	1	0.9 kg

Product code Article 🗲 Voltage 🏦 Control unit Control unit Maximum ((p)) Receiver kg Weight in the gradient of the gradient

T ABACUS 24	1//				ABAC	US CONTRACTOR
comation for 24 VDC swing	gates – electror	nic limit switch p	lus encoder		LEI KIT	
2 ABACUS	1 QUAD 24V HP With receiver	• <b>Di Di</b> • • <b>2 Victor</b> 2 Channels rolling code	1PAIR PHOTOCELLS	• • • • • • • • • • • • • • • • • • •	AC-40 Signage table	
	GQUADHP2L0G00	GVCTR2STN0G00		GSWIFTSTLYBOOA	GSAFETYTNOGOO	
ABACUS 220 FM+E KIT	•	•	Quad 24HP	GKAS220MLB908	22 kg	16
ABACUS 300 FM+E KIT	•	•	Quad 24HP	GKAS300MLB908	26.2 kg	16
ABACUS 500 FM+E KIT	•	•	Quad 24HP	GKAS500MLB900	26.2 kg	9

FM = Mechanical Limit Switch E = Encoder TOTAL BLACK version on demand

### KIT ABACUS 230V

230 VAC Automation for swing gates - electronic limit switch plus encoder

2 ABACUS	1 QUAD 230V HP			1 SWIFT	AC-40	
	With receiver GQUADHP2H0G00	2 Channels rolling code GVCTR2STN0G00	PHOTOCELLS	Flashing beacon GSWIFTSTLYB00A	Signage table GSAFETYTN0G00	
	Ö	0100 10101 0010		0101	(Kg)	1
ABACUS 220 FM+E KIT	•	•	Quad 230V HP	GKAS220MEH900	22.2 kg	16
ABACUS 300 FM+E KIT	•	•	Quad 230V HP	GKAS300MEH900	26.4 kg	16
 ABACUS 500 FM+E KIT	•	•	Quad 230V HP	GKAS500MEH900	26.4 kg	9

FM = Mechanical Limit Switch E = Encoder TOTAL BLACK version on demand

Accessories included in the kit:

P 000000

# EAGLE Technical features



#### MAIN FEATURES

Performance: Tested for mechanical performance and lubrication, and guaranteed even at low temperatures

**Speed:** Adjustable nominal and deceleration speeds

Obstacle detection: Obstacle detection with power consumption or with encoder

**Protection:** IP67 protection tested and guaranteed thanks to the particularly effective seal between the 2 shells. STAINLESS steel screws. **Versatility:** Eagle is compatible with the main foundation boxes on the market





Every single product is regularly tested at the end of the assembly line



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#### TECHNICAL FEATURES

	EAGLE 350	ENCODER EAGLE 350	EAGLE 350	ENCODER EAGLE 350
Motor power supply	24V	24V	230V ~ 50Hz	230V ~ 50Hz
Power consumption	150 W	150 W	280 W	280 W
Max absorption	6.5 A	6.5 A	1.2 A	1.2 A
Pair	220 Nm	220 Nm	300 Nm	300 Nm
Work intermittency	Intensive use	Intensive use	50%	50%
Protection class (IP)	IP67	IP67	IP67	IP67
Insulation class	3 (selv)	3 (selv)	1 (earthing)	1 (earthing)
Operating temp.	-20°C / +50°C	-20°C / +50°C	-20°C / +50°C	-20°C / +50°C
Open time 90°	~ 12 sec (adjustable)	~ 12 sec (adjustable)	~ 19 sec	~ 19 sec
Weight	11.3 kg	11.3 kg	11.6 kg	11.6 kg

47



#### Automation for swing gates 24 VDC and 230 VAC

#### 24 VDC underground actuators for swing gates up to 3.5m length

	-62	0101		Ö	Kg	
EAGLE 350	24 VDC	GEE03500L1G00A		•	13.2 kg	60
Encoder EAGLE 350	24 VDC	GEE0350EL1G00A	•	•	12.7 kg	60

Encoder

#### Accessories included:



#### 230 VAC underground actuators for swing gates up to 3.5m length

	-62	0101		Ö	Kg	
EAGLE 350	230 VAC	GEE03500H1G00A		•	13.5 kg	60
Encoder EAGLE 350	230 VAC	GEE0350EH1G00A	•	•	13.4 kg	60

Encoder

Accessories included:





#### Complete kits with underground actuator for swing gates, 24VDC, door up to 3.5m

	0101		0100 10101 0010	(Kg)	<b>W</b>
EAGLE 350 ENCODER KIT	GKEE035EL0900A	Quad 24HP	•	28 kg	12

Version with 10m cable included

### KIT EAGLE 230V

#### 230 VAC automation for swing gates



	0101				1
EAGLE 350 ENCODER KIT	GKEE035EH0900A	Quad 230HP	•	28 kg	12

#### Version with 10m cable included

Encoder

### EAGLE BOX Foundation box for EAGLE underground actuator









# EAGLE BOX

EAGLE BOX       Black cataphoresis foundation box unit with galvanised cover       GEE000BXN0B00       1       10	0.8 kg 36
EAGLE BOX-HG with 316L       Hot-dip galvanized foundation case for increased corrosion resistance. Guaranteed minimum thickness of 60 microns as required by UNI EN ISO 1461. AISI 316L stainless steel lid       GEE000BXN0G00       1       10	0.8 kg 36



1	EAGLE BOX-INOX	Stainless steel foundation box unit	GEE000BXNIS00	1	11.5 kg	36

#### ACCESSORIES INCLUDED FOR ALL CASE VERSIONS



# AC-160 AC-161 AC-170

The built-in lever device makes manual release simple and easy.



Product description DID Product Code Article <table-cell-columns> Voltage 🔆 Control unit Control unit Article Control unit

# Unlocking lever

•			0101	<b>(</b>	Kg
	AC-160	Manual release with cylinder and key	GEE002SBN0G00A	1	1.20 kg
	AC-161	2 x Manual release with cylinder and key with same coding	GKEE002SBN0G01A	1	1.20 kg
	AC-170	Manual release without cylinder	GEE003SBN0G00A	1	1.10 kg
G	AC-185	180° opening kit	GEE360ASNOG01A	1	3.8 kg
	AC-190	External limit switch set	GEE001FIN0B00A	1	0.2 kg

### CONDOR 220/350 Technical features





Every single product is regularly tested at the end of the assembly line



	CONDOR 220	CONDOR 220	CONDOR 350
Power supply	230 ~ 50 Hz	230 ~ 50 Hz	230 ~ 50 Hz
Motor power supply	24V ====	230V ~	24V ===
Power consumption	110 W	280 W	150 W
Absorption	5 A	1.2 A	6.5 A
Pair	150 Nm	250 Nm	200 Nm
Work intermittency	intensive use	30%	intensive use
Degree of protection	IP 44	IP 44	IP 44
Insulation class	2	1 (earthing)	2
Operating temp.	-20°C/+50°C	-20°C/+50°C	-20°C / +50°C
Speed	0.10 rad/s	0.10 rad/s	0.10 rad/s
Weight	10 kg	10 kg	10 kg

#### **CONDOR** 220 USAGE LIMITS



#### **CONDOR 350 USAGE LIMITS**





A (mm)	OPENING ANGLE	B (mm)	Z (mm)	D (mm)
	90	145	670	296
0	110	215	600	390
	120	400	425	396
	90	145	650	327
50	110	290	500	395
	120	405	405	396
	90	145	635	342
75	110	300	480	396
	120	400	400	395
	90	145	630	352
100	110	310	450	410
	120	400	390	341
	90	145	610	365
125	110	315	440	410
	120	365	410	385
	90	145	590	381
150	110	320	430	400
	120	355	400	400
	90	145	570	386
175	110	365	380	309
	120	375	365	293
200	90	145	550	394
200	114	320	390	394
250	90	185	425	370
230	101	250	430	395
300*	90	165	620	388
350*	90	165	600	395

Check that the mechanical stop can be effectively positioned as an opening limit switch.

\* No closing limit switch

330 920 120

310 900

#### AC-108 – Slide arm



ARM IN EXTENDED POSITION (no closing limit switch)





A (mm)	OPENING ANGLE	B (mm)	Z (mm)	D (mm)
	90	135	727	290
0	100	175	687	358
	110	210	652	407
	90	135	724	310
50	100	180	679	377
	110	230	629	409
	90	135	721	323
75	100	190	666	383
	110	245	611	410
	90	135	717	335
100	100	190	662	383
	110	245	607	413
	90	135	713	352
125	100	200	648	395
	110	265	583	412
	90	135	708	351
150	100	200	643	393
	110	265	578	412
	90	135	703	359
175	100	205	633	401
	110	275	563	410
	90	135	696	394
200	100	210	621	394
	110	285	546	394
250	90	135	681	380
300	90	135	662	395
350	90	135	639	400

Check that the mechanical stop can be effectively positioned as an opening limit switch.

#### AC-101 - Elongated articulated arm



325 915

### )NDOR 220

#### Automation for swing gates 24 VDC and 230 VAC

		-61	0101	Max door length *	Ö	0100 10101 0010		Kg	
	CONDOR 220	24 VDC	GCR220MEL0000A	2.2 m	•	•	•	10 kg	45
	CONDOR 220-S/C	24 VDC	GCR220M1L0000A	2.2 m	•	•		10 kg	45
	CONDOR 220	230 VAC	GCR220MEH0000A	2.2 m	•	•	•	10 kg	45
	CONDOR 220-S/C	230 VAC	GCR220M1H0000A	2.2 m	•	•		10 kg	45

Accessories included:



### 100R 350

24 VDC Automation for swing gates

		-9:	0101	Max door length *	Ö	0100 10101 0010		Kg	
	CONDOR 350	24 VDC	GCR350MEL0000A	3.5 m	•	•	•	12 kg	45
	CONDOR 350-S/C	24 VDC	GCR350M1L0000A	3.5 m	•	•		12 kg	45

Accessories included:



Accessories

•			0101	<b>(</b>	Kg
The second secon	AC-101	Articulated arm for Condor 220/350, L=408 mm + 350mm	GCR004BAN0G00	1	2.9 kg
	AC-108	Slide arm for Condor 220/350, L=652.5 mm	GCR008BAN0B00	1	5.1 kg
1	AF-550	Lock with control button	MP00M003H0000	1	0.58 kg

### KIT CONDOR 24V

J.

### CONDOR 220 + 350 complete kit with articulated arm actuator for swing gates, 24 VDC

	•			•	accommuna A CE	
2 CONDOR 220 or 350 WITH ARM + 24V CU BOARD 2M + RECEIVER		2 VICTOR annels rolling code /CTR2STN0G00	1 PAIR PHOTOCELLS	<b>1 SWIFT</b> Flashing beacon GSWIFTSTLYB00A	AC-40 Signage table GSAFETYTNOG00	
	$\odot$	0100 10101 0010		0101	Kg	
CONDOR 220 FM+E KIT	•	•	CU 24V HP	GKCR220ML0900A	19.6 kg	16
CONDOR 350 FM+E KIT	•		CU 24V HP	GKCR350ML0900A	19.6 kg	16

FM = Mechanical limit switch E = Encoder - Standard arm included

KIT CONDOR 230V

CONDOR 220 + 350 complete kit with articulated arm actuator for swing gates, 230 VAC



FM = Mechanical limit switch E = Encoder - Standard arm included

### DOR 500 Technical features



Every single product is regularly tested at the end of the assembly line





#### **CONDOR 500 USAGE LIMITS**









		AC-100		
А	В	Х	Y	Z
50	50	380	331	600
	100	487	253	550
100	50	409	297	593
100	100	498	230	543
150	50	426	272	281
100	100	504	216	531
200	50	440	247	566
200	100	509	201	516
250	50	447	231	520
200	100	509	200	497
300	50	455	213	520
200	100	422	339	470

		A	C-10	2	ŀ	AC-10	3	A	C-10	4
А	В	х	Y	Z	х	Y	Z	х	Υ	Z
50	50	354	270	637.5	402	372	854.5	276	676	776.1
50	100	347	280	637.5	426	342	852.5	220	693	776.1
100	50	372	239	634.8	425	343	852.5	260	681	771.6
100	100	365	252	634.8	423	345	852.5	183	700	771.6
150	50	387	202	628.5	448	309	847.8	236	688	764.1
150	100	378	226	628.5	442	318	847.8	126	707	764.1
200	50	400	162	618.6	466	274	840.2	167	703	754.2
200	100	390	194	618.6	458	291	840.2			
250	50	407	118	604.9	482	235	829.7			
250	100	399	169	604.9	476	253	829.7			
300	50	404	35	587.2	494	197	816.6			
300	100	406	127	587.2	488	216	816.6			
350	50	506	136	746						
350	100	551	180	696						
400	50	507	67	726						
400	100	557	131	676						

	CONDOR 500 24V	CONDOR 500 230V
Voltage	24 VDC	230 VAC 50 Hz
Power consumption	150 W	280 W
Max absorption	6.5 A	1.2 A
Maximum thrust	330 Nm	440 Nm
Work intermittency	Intensive use	50%
Protection class (IP)	IP44	IP44
Insulation class	2	1 (earthing)
Operating temp.	-20°C / +50°C	-20°C / +50°C
No load speed	0.15 rad/sec	0.1 rad/sec
Weight	12 kg	12 kg

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### NDOR 500

#### Automation for 24 VDC and 230 VAC swing gates - electronic limit switch plus encoder

24 VDC articulated arm actuators for swing gates up to 5m in length									
		-6	0101	Max door length *	<u>S</u>	0100 10101 0010		Kg	
	CONDOR 500-S/C	24 VDC	GCR500E1L0B00	5.0 m	•	•		12 kg	50
S/C = without control unit									

#### 230 VAC articulated arm actuators for swing gates up to 5m in length

		-9	0101	Max door length *		0100 10101 0010	Kg	
2	CONDOR 500-S/C	230 VAC	GCR500E1H0B00	5.0 m	•	•	11.3 kg	50

S/C = without control unit

#### Accessories included:



#### Accessories

۲			0101	<b>(</b>	Kg
<u>_</u>	AC-100	Ambidextrous articulated arm for Condor 500, L=408 mm + 350 mm	GCR001BAN0G00	1	2.9 kg
	AC-102	Arm with Condor 500/500S block, L=385 mm + 330mm	GCR001BAN0B00	1	3.2 kg
1	AC-103	Arm with block for Condor 500/500S - L=503 mm + 430mm	GCR002BAN0B00	1	3.7 kg
$\checkmark$	AC-104	Arm with block for Condor 500/500S - L=238mm + 620mm	GCR003BAN0B00	1	4.0 kg
	AF-550	Lock with control button	MP00M003H0000	1	0.58 kg

Product description DID Product code Article 🖅 Voltage 💥 Control unit Control unit Article 🥵 Quantity per pallet

#### Į L' KIT CONDOR 500 24V Automation for swing gates - electronic limit switch plus encoder **1 PAIR PHOTOCELLS** 2 CONDOR 500 2 ARMS 1 QUAD 24V HP **2 VICTOR 1 SWIFT** AC-40 With receiver GQUADHP2L0G00 GVCTR2STN0G00 Flashing beacon GSWIFTSTLYB00A WITH ARM + 24V CU BOARD 2M + RECEIVER Signage table INCLUDED GSAFETYTN0G00

 Image: Condor 500 FE+E KIT
 ·
 Quad 24 V HP
 GKCR500LLB903
 26.4 kg
 8

FE = Electronic Limit Switch E = Encoder – Standard arm and bracket included

### KIT CONDOR 500 230V

Automation for swing gates - electronic limit switch plus encoder



FE = Electronic Limit Switch E = Encoder – Standard arm and bracket included

### CONDOR 500 S Technical features





#### **CONDOR 500S USAGE LIMITS**





	CONDOR 500 24V	CONDOR 500 230V
Voltage	24 VDC	230 VAC 50 Hz
Power consumption	150 W	280 W
Max absorption	6.5 A	1.2 A
Maximum thrust	330 Nm	440 Nm
Work intermittency	Intensive use	50%
Protection class (IP)	IP44	IP44
Insulation class	2	1 (earthing)
Operating temp.	-20°C / +50°C	-20°C / +50°C
No load speed	0.15 rad/sec	0.1 rad/sec
Weight	12 kg	12 kg

### CONDOR 500S

Automation for 24 VDC and 230 VAC swing gates – electronic limit switch plus encoder

	-92-	0101	Max door length *		0100 10101 0010		Kg	
CONDOR 500S	24 VDC	GCR50SEEL0G00	2.5 m	•	•	•	10 kg	36
CONDOR 500S-S/C	24 VDC	GCR50SE1L0G00	2.5 m	•	•		10 kg	36
 CONDOR 500S	230 VAC	GCR50SEEH0G00	2.5 m	•	•	•	10 kg	36
CONDOR 500S-S/C	230 VAC	GCR50SE1H0G00	2.5 m	•	•		10 kg	36

#### 24 VDC and 230 VAC articulated arm actuators for swing gates up to 2.5m in length

S/C = without control unit

#### Accessories

•			0101		Kg
<sup>1</sup>	AC-102	Arm with Condor 500/500S block, L=385 mm + 330mm	GCR001BAN0B00	1	3.2 kg
0	AC-103	Arm with block for Condor 500/500S - L=503 mm + 430mm	GCR002BAN0B00	1	3.7 kg
$\checkmark$	AC-104	Arm with block for Condor 500/500S - L=238mm + 620mm	GCR003BAN0B00	1	4.0 kg
	AF-550	Lock with control button	MP00M003H0000	1	0.58 kg

Product description DID Product Code Article 🐼 Voltage 💥 Control unit Control unit Control Unit Maximum ((p)) Receiver Kig Weight in Control View Per pallet in Control Unit Control View Control View



FE = Electronic Limit Switch E = Encoder – Standard arm AC-102 not included

### KIT CONDOR 500S 230V

Automation for swing gates - electronic limit switch plus encoder



FE = Electronic Limit Switch E = Encoder – Standard arm AC-102 not included

# Automations for garage doors

Comunello automatic garage door operators are designed for smooth, safe and silent opening. The range includes solutions for sectional and overhead doors, with powerful and durable motors to suit every installation requirement. With intuitive programming and practical, functional control systems, they offer maximum ease of use and safety, enhancing the everyday experience.







# RAMPART Technical features







#### AVAILABLE COLOURS: WHITE, BLACK







#### On-board control unit with integrated receiver

Automatic periodic detection of the current absorption during the opening and closing cycle. Automatic detection of connected sensitive edges (N.O., N.C., 8k2). Speed and automatic closing parameters adjustable with trimmer.



#### TECHNICAL FEATURES

	RAMPART 600 24V	RAMPART 1000 24V
Power supply	230V (±10%) / 50Hz	230V (±10%) / 50Hz
Maximum force (force required to start door movement)	600 N	1000 N
Nominal force (force required to maintain door movement)	200 N	300 N
Max. door leaf weight	110 kg	210 kg
Maximum opening speed	0.14 metres/ second	0.14 metres/ second
Maximum continuous motor time	60 seconds (intermittent operating mode)	60 seconds (intermittent operating mode)
Power consumption	110 W	150 W
Radio controls	433.92MHz / dynamic code 200 Radio controls max	433.92MHz / dynamic code 200 Radio controls max
Insulation class	2	2
Protection class (IP)	IP20	IP20
Temperature range	-20°C / +50°C	-20°C / +50°C
Actuator weight	4.5kg	5.0kg

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# RAMPART

#### Electromechanical actuator for sectional doors 24 VDC

24 VDC motor with embedded encoder and electronics for sectional doors, 600 N power supply								
	-92-	0101		(( <mark>†</mark> ))	i∐	8	Kg	
RAMPART 600	24 VDC	GRT0600EL0W00	•	•	9 m <sup>2</sup>	White	4.9 kg	60
RAMPART 600	24 VDC	GRT0600EL0B00	•	•	9 m²	Black	4.9 kg	60

#### 24 VDC motor with embedded encoder and electronics for sectional doors, 1000 N power supply

	-6	0101		(( <mark>†</mark> ))	ţ	8	Kg	
RAMPART 1000	24 VDC	GRT1000EL0W00	•	•	16 m²	White	6.0 kg	60
RAMPART 1000	24 VDC	GRT1000EL0B00	•	•	16 m²	Black	6.0 kg	60

#### Supplementary accessories

۲			0101	1	Kg
	AC-470	Support bracket kit	GRT001AAN0G00A	1	0.3 kg
	AC-400	Integral 3.25m chain guide	GRT3250GC0G00A	1	8.2 kg
-	AC-410	3.25m split belt guide, 2 x 1.65m	GRT3250GB0G00A	1	8.6 kg
	AC-420	3.25m integral belt guide, 1 x 3.25m	GRT3250GD0G00A	1	7.4 kg
	AC-430	4m split belt guide, 2 x 2.00m	GRT4000GB0G00A	1	9.6 kg
O	AC-440	Cord release for towing	GRTCORDONOGOOA	1	0.4 kg
	AC-450	Galvanized swing arm	GRT001ASN0G00	1	3.7 kg

Product description Product Code Article 🗲 Voltage 🔆 Control unit Control Unit Maximum ((p)) Receiver Receiver (p) Recei

### KIT RAMPART 24V

Electromechanical actuator for sectional doors 24 VDC up to 16 m<sup>2</sup>



#### Composition of the RAMPART CHAIN KIT



**1 BRACKET KIT** fixing guide AC 470 GRT001AAN0G00

AC-40 Signage table GSAFETYTN0G00

Complete kits with actuators for sectional doors, 24 VDC, up to 1000 N

	COLOUR	0101	(Kg)	
RAMPART KIT		GKRT060CLW000A	13.5 kg	48
600 CHAIN		GKRT060CLB000A	13.5 kg	48
RAMPART KIT		GKRT100CLW000A	14.5 kg	48
1000 CHAIN		GKRT100CLB000A	14.5 kg	48

#### Composition of the RAMPART BELT KIT


## RAMPART Rocker application



Product description DID Product Code Article I Voltage Control unit Code Weight Weight I Weig

Quantity per box

## RAMPART Sectional application







#### TECHNICAL FEATURES

	SALIENT 24 V	SALIENT 230V FAST	SALIENT 230V SLOW
Power supply	230 VAC	230 VAC	230 VAC
Motor power supply	24 VDC	230 VAC	230 VAC
Power consumption	150 W	280 W	280 W
Power consumption	6.5 A	1.2 A	1.2 A
Pair	330 Nm	440 Nm	440 Nm
Work intermittency	Intensive use	40%	40%
Protection class (IP)	IP24D	IP24D	IP24D
Insulation class	2	1 (earthing)	1 (earthing)
Operating temp.	-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



## \_IEN

Electromechanical actuators for overhead garage doors. 24 VDC and 230 VAC with encoder

Actuator with built-in encoder and electronics, up to 9 $m^2$ with one motor, 16 $m^2$ with two motors									
	-62	0101	Section arm	CU	0100 10101 0010	*	(( <sup>†</sup> ))	Kg	
SALIENT	24 VDC	GSTOFOECLOGOO	$\bigcirc$	CU 24V HP	•	•	•	9.3 kg	30
SALIENT	24 VDC	GSTOFOEOLOGOO	$\bigcirc$		•			7.3 kg	30
SALIENT	24 VDC	GSTQF0ECL0G00		CU 24V HP	•	•	•	9.3 kg	30
SALIENT	24 VDC	GSTQF0E0L0G00			•			7.3 kg	30
SALIENT	230 VAC	GSTOFOECHOGOO	$\bigcirc$	CU 230V BASIC		•	•	9.8 kg	30
SALIENT	230 VAC	GSTOF0E0H0G00	$\bigcirc$					7.8 kg	30
SALIENT	230 VAC	GSTQF0ECH0G00		CU 230V BASIC		•	•	9.8 kg	30
SALIENT	230 VAC	GSTQF0E0H0G00						7.8 kg	30







## KIT SALIENT 24V

Electromechanical actuators for overhead garage doors. 24 VDC with encoder



### Composition of the SALIENT SINGLE MOTOR KIT



#### Complete kits with worm gear actuators, 24 VDC, for swing gates up to 5m long

		0101	(Kg)	1
KIT SALIENT square section	CU 24V HP	GKSTQF0ECL0G00	12 kg	20

#### Composition of the SALIENT **DUAL MOTOR** KIT



#### Complete kits with worm gear actuators, 24 VDC, for swing gates up to 5m long

		0101	(Kg)	1
DUAL MOTOR SALIENT KIT square section	CU 24V HP	GKSTQF1ECL0G00	19.6 kg	12

## SALIENT

## Supplementary accessories

#### Accessories

Accessories			0101	0	*	+*		Kg
$\langle \rangle$	AC-360	Galvanised deflector arms L = 1500 mm	GST001AAN0G00	$\odot$		•	1	6.2 kg
$\langle \rangle$	AC-370	Galvanised deflector arms L = 200 mm	GST002AAN0G00	$\otimes$			1	0.97 kg
$\searrow$	AC-375	Galvanised deflector arms L = 2000 mm	GST003AAN0G00	$\bigcirc$		•	1	8 kg
//	AC-330	Galvanized straight arms with round bushings	GST003ASN0G00	$\otimes$	•	•	1	4.1 kg
No.	AC-340	Galvanized curved arms with round bushings	GST004ASN0G00	$\bigcirc$	•	•	1	4.6 kg
]]	AC-310	Galvanized straight arms with grooved bushings (direct actuator connection)	GST001ASN0G00	$\otimes$	•		1	4.1 kg
I and a second	AC-320	Galvanized curved arms with grooved bushings (direct actuator connection)	GST002ASN0G00	$\bigcirc$	•		1	4.6 kg
	AC-350	Galvanised arm support bracket	GST005ASN0G00	$\bigotimes$		•	1	0.3 kg
	AC-361	Galvanised square arms L = 1500 mm	GST001AQN0G00			•	1	6.2 kg
	AC-371	Galvanised square arms L = 200 mm	GST002AQN0G00			•	1	0.97 kg
	AC-376	Galvanised square arms L = 2000 mm	GST003AQN0G00			•	1	8 kg

Product description DID Product code Article I Voltage Control unit Co

## SALIENT

## Supplementary accessories

#### Accessories

•			0101	0		<b>+</b> *	$\bigcirc$	Kg
	AC-311	Galvanized straight arms with square bushings	GST001SQN0G00		•	•	1	4.1 kg
	AC-321	Galvanized curved arms with square bushings	GST002SQN0G00		•	•	1	4.6 kg
and and	AC-351	Galvanised square arm support bracket	GST005SQN0G00			•	1	0.3 kg
	AC-300	Galvanised support bracket L = 615 mm	GST006ASN0G00		•	•	1	2.0 kg
	AC-305	Galvanised support bracket L = 1250 mm	GST007ASN0G00		•	•	1	4.1 kg
	AC-307	Galvanised support bracket L = 2000 mm	GST008ASN0G00		•	•	1	6.5 kg
<u> </u> .⊛ ★	AC-380	Galvanised external release lever	GST001SCN0G00	$\square \bigcirc$	•	•	1	0.17 kg





## Road barriers

Comunello road barriers are the ideal solution for managing access in private, public and industrial contexts, combining efficiency, safety and durability. Designed for gates from 3 to 8 metres and up to 16 meters with opposing solutions, they offer smooth and reliable operation in all conditions. Robust mechanics ensure high performance and wear resistance, while intuitive electronics simplify installation and management. A perfect balance between innovation and practicality for access control.







# BORDER manual

## Technical features



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COMUNICIAN D

781

Every single product is regularly tested at the end of the assembly line

### BORDER 400 - for poles up to 4m long

Depending on the length of the pole and its accessories, the AC-531 spring must be fixed to one of the holes of the spring tensioner arm according to the table and diagram below



POSITIONING SPRING AC-531 ON BORDER 400						
POLE LENGTH	3 m	4 m				
POLE	1	2				
POLE WITH FENCE	2	3				





## BORDER 600 – for poles up to 6m long

Depending on the length of the pole and its accessories, the AC-531 spring must be fixed to one of the holes of the spring tensioner arm according to the table and diagram below

PRING AC-531	POSITIONING SPRING AC-531 ON BORDER 600				
	POLE LENGTH	5 m	6 m		
	POLE	2	4		
Construction of the local division of the lo	POLE WITH FENCE	4	4 (double spring)		

SPRING TE	NSIONING ARM	I BORDER 600
999		1111
4 3 2	2 1	1 2 3 4



#### TECHNICAL FEATURES

	BORDER 400 S/M – 3m	BORDER 400 S/M – 4m	BORDER 600 S/M – 5m	BORDER 600 S/M – 6m
Max pole length	3 m	4 m	5 m	6 m
Degree of protection	IP44	IP44	IP44	IP44
Operating temp.	-40°C / +50°C	-40°C / +50°C	-40°C / +50°C	-40°C / +50°C
Weight	50 kg	51 kg	58 kg	59 kg

## KIT BORDER 400 Manual **3m**

Rectangular pole cap with

protective rubber sleeve





#### Manual road barriers



Signage table for

security

Handle

Border 400 Manual

Accessories					
•			0101		(Kg)
	AC-590	Fence for aluminium pole, L = 2 m	GLTHEDGE02W00	1	1.7 kg
ľ	AC-560A	Pole support for barrier	GLTFIX0000A00	1	4.6 kg
~	AC-570	Mobile support for pole	GLTSUPPORTG00	1	1.05 kg
J.J	AC-500	Foundation fixing kit (for 3 and 4 metre versions)	GLTANCHOROGOO	1	1.8 kg

 DID
 Product
 Product
 Article
 Control
 Image: Control unit
 Image: Control unit
 Maximum area
 (()
 Receiver radio
 Meight
 Quantity per pallet
 Quantity per box

Product description

## KIT BORDER 400 Manual **4m**





#### Manual road barriers



BR400 S/M Border 400 Manual

AC-710 Rectangular pole cap with protective rubber sleeve

677P Handle



Signage table for security

#### Accessories

•			0101		(Kg)
	AC-590	Fence for aluminium pole, L = 2 m	GLTHEDGE02W00	1	1.7 kg
ľ	AC-560A	Pole support for barrier	GLTFIX0000A00	1	4.6 kg
-	AC-570	Mobile support for pole	GLTSUPPORTGOO	1	1.05 kg
JJ	AC-500	Foundation fixing kit (for 3 and 4 metre versions)	GLTANCHOROGOO	1	1.8 kg

## KIT BORDER 600 Manual 5m





#### Manual road barriers



BR600 S/M Border 600 Manual

Comunello reflective adhesive labels (pack of 30)

Red sleeve for elliptical pole for Border, L= 3m (2 pieces)

Handle

Signage table for security

Accessories

10000001100					
			0101	$\bigcirc$	(Kg)
	AC-590	Fence for aluminium pole, L = 2 m	GLTHEDGE02W00	1	1.7 kg
ľ	AC-560A	Pole support for barrier	GLTFIX0000A00	1	4.6 kg
~	AC-570	Mobile support for pole	GLTSUPPORTG00	1	1.05 kg
jjj	AC-510	Foundation fixing kit (for 5 and 6 metre versions)	GLTANCH080G00	1	2.2 kg

Product description DID Product 💽 Article 🖅 Voltage 💥 Control 🛗 Maximum ((p)) Receiver radio Weight 🐼 Quantity per pallet 🐼 Quantity

## KIT BORDER 600 Manual 6m



security



#### Manual road barriers



Border 600 Manual

#### Accessories

/10000001100					
۲			0101		(Kg)
	AC-590	Fence for aluminium pole, L = 2 m	GLTHEDGE02W00	1	1.7 kg
ľ	AC-560A	Pole support for barrier	GLTFIX0000A00	1	4.6 kg
-	AC-570	Mobile support for pole	GLTSUPPORTGOO	1	1.05 kg
j J	AC-510	Foundation fixing kit (for 5 and 6 metre versions)	GLTANCH080G00	1	2.2 kg

# BORDER Technical features



## BORDER for poles up to 4m long

Depending on the length of the pole and the accessories, the AC-541 spring must be fixed to one of the holes of the spring tensioning arm according to the table and diagram below





POSITIONING SPRING AC-541						
POLE LENGTH	2 m	3 m	4 m			
POLE	-	1-2 *	2			
POLE WITH SINGLE SLEEVE	1	1-2 *	2			
POLE WITH MOBILE SUPPORT	1	2	2			



\* The spring can be fixed in both holes with proper adjustment



### TECHNICAL FEATURES

	BORDER 400 24V
Power supply	230 VAC
Motor power supply	24 VDC
Power consumption	150 W
Power consumption	4.5 A
Pair	100 Nm
Work intermittency	Intensive use
Protection class (IP)	IP44
Insulation class	2
Operating temp.	-20°C / +50°C

## RALLENTAMENTO ASTA

Easy slowdown adjustment thanks to opening and closing cams





## BORDER KIT 3m





#### Complete Border Barrier kit 24 VDC, with 3m pole





BR400-24V

Border 400 24V



Aluminium elliptical pole L = 3 m



Red sleeve for elliptical pole for Border, L= 3m



AC-660 Comunello reflective adhesive labels (pack of 30)



AC-717 Elliptical pole cap with sleeve



AC-500 Foundation fixing kit



AC-541 Single spring for lightweight pole Border/Limit

## BORDER KIT 4m



#### Complete Border Barrier kit 24 VDC, with 4m pole

	0101	(Kg)	
Border Kit 400 – 4m	GKBR040VL0A901	51.2 kg	9

AC-541 Single spring for lightweight pole Border/Limit

AC-641	
Aluminium elliptical pole	



Red sleeve for elliptical pole for Border, L= 4m

AC-660 Comunello reflective adhesive labels (pack of 30)



AC-717 Elliptical pole cap with sleeve

AC-500 Foundation fixing kit





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BR400-24V

Border 400 24V

## Border accessories

•			0101		Kg
20	AC-30	External antenna (cable L = 3m) 433.92 MHz	GANTENNANOGOO	1	0.2 kg
	AC-240	Inductive sensor 1 channel	GINDUCTONOGOO	1	0.28 kg
JJ	AC-500	Foundation fixing kit Border 400/ Limit 500	GLTANCHOROGOO	1	1.8 kg
	AC-541	Single spring for lightweight pole Border/ Limit	GLTSPRINGUG00	1	3.8 kg
ľ	AC-560A	Pole support for barrier	GLTFIX0000A00	1	4.6 kg
$\sim$	AC-570	Mobile support for pole	GLTSUPPORTGOO	1	1.05 kg
	AC-590	Fence for aluminium pole, L = 2 m	GLTHEDGE02W00	1	1.7 kg
	AC-631	Aluminium elliptical pole L = 3 m	GBRBAR3001W00	1	2.9 kg
	AC-641	Aluminium elliptical pole L = 4 m	GBRBAR4001W00	1	3.9 kg
	AC-660	Comunello reflective adhesive labels (pack of 30)	GLTSTRIPOOWOO	1	0.01 kg
	AC-671	Red sleeves for elliptical axes for Border, L= 3m	GBRTOPP301R00	1	0.57 kg
	AC-672	Red sleeves for elliptical axes for Border, L= 4m	GBRTOPP401R00	1	0.87 kg
	AC-705	Cap for elliptical pole Border	GBRPLUG030W00	1	0.03 kg
	AC-717	Elliptical pole cap with sleeve	GBRPLUG021W00	1	0.03 kg
	AC-718	Cap for elliptical without sleeve	GBRPLUG011W00	1	0.03 kg

# LIMIT 500 Technical features





Every single product is regularly tested at the end of the assembly line

## LIMIT 500 for poles up to 5m in length

Depending on the length of the pole and the accessories, the AC-541 spring must be fixed to one of the holes of the spring tensioning arm according to the table and diagram below



POSITIONING SPRING AC-541						
POLE LENGTH	2 m	3 m	4 m	5 m		
POLE	1	1/2 \star	1/2/3 \star	2/3 🛪		
POLE WITH SLEEVES AND LEDS	1	1/2 🛪	2/3 <b>*</b>	3		
POLE WITH SLEEVES and LEDs and WITH MOBILE SUPPORT	1	1/2 \star	3	3		
POLE WITH SINGLE SLEEVE, LED, FENCE	-	2	3	-		
POLE WITH SINGLE SLEEVE, LED, FENCE AND MOBILE SUPPORT	-	3	3	-		

 $\oplus$ 2

SPRING TENSIONING ARM 0 Φ 2

\* The spring can be fixed in the holes indicated with adequate adjustment for a correct balance of the pole. With the barrier unlocked, the pole must remain in equilibrium at 45°

### For poles up to 5m long



### For poles up to 10m long (5+5m)



#### TECHNICAL FEATURES

	LIMIT 500 24V
Power supply	230 VAC
Motor power supply	24 VDC
Power consumption	150 W
Power consumption	6.2 A
Pair	300 Nm
Work intermittency	Intensive use
Protection class (IP)	IP44
Insulation class	2
Operating temp.	-20°C/+50°C





## LIMIT 500



Automation for road barriers 24 VDC

### Electromechanical barrier 24 VDC with encoder, pole up to 5m

	-6	0101	RAL		(( <mark>ๆ</mark> ))	Kg	
LIMIT 500	24V	GLTX50EELOR00	RAL 3002 (Red)	CU 24V HP LT	•	47.5 kg	9
LIMIT 500	24V	GLTX50EEL0G00	RAL 7011 (Grey)	CU 24V HP LT	•	47.5 kg	9

## LIMIT 500 Accessories

•			0101	1	Kg
2	AC-30	External antenna (cable L = 3m) 433.92 MHz	GANTENNANOGOO	1	0.2 kg
-	AC-50	Buffer battery for 24V applications	GBATTERYLOGOOA	1	1.30 kg
	AC-240	Inductive sensor 1 channel	GINDUCTONOGOO	1	0.28 kg
J J	AC-500	Foundation fixing kit Border 400/Limit 500	GLTANCHOROGOO	1	1.8 kg
	AC-541	Single spring for lightweight pole Border/ Limit	GLTSPRINGUG00	1	3.8 kg
ľ	AC-560R	Pole support for barrier	GLTFIX0000R00	1	4.6 kg
~	AC-570	Mobile support for pole	GLTSUPPORTGOO	1	1.05 kg
-	AC-580	90° joint for barrier	GLTANG9000G00	1	6.7 kg
	AC-590	Fence for aluminium pole, L = 2 m	GLTHEDGE02W00	1	1.7 kg

## LIMIT 500 Accessories

•			0101	$\bigcirc$	(Kg)
	AC-622	Rectangular aluminium pole L = 2 m	GLTBAR2001W00	1	2.3 kg
-	AC-630	Rectangular aluminium pole L = 3 m	GLTBAR3001W00	1	3.5 kg
	AC-640	Aluminium rectangular beam L = 4 m	GLTBAR4001W00	1	4.7 kg
	AC-650	Rectangular aluminium pole L = 5 m	GLTBAR5001W00	1	5.9 kg
	AC-775	Joint for poles	GLTJOINTROGOO	1	1.10 kg
	AC-660	Comunello reflective adhesive labels (pack of 30)	GLTSTRIPOOWOO	1	0.10 kg
	AC-670	Red protective rubber (top and bottom), L= 3m	GLTTOPP301R00	1	0.62 kg
	AC-681	Red protective rubber (top and bottom), L= 4m	GLTTOPP401R00	1	0.85 kg
	AC-682	Red protective rubber (top and bottom), L= 5m	GLTTOPP501R00	1	1.60 kg
	AC-670T	Transparent protective rubber (top and bottom), L= 3m	GLTTOPP301T00	1	0.62 kg
	AC-681T	Transparent protective rubber (top and bottom), L= 4m	GLTTOPP401T00	1	0.85 kg
	AC-682T	Transparent protective rubber (top and bottom), L= 5m	GLTTOPP501T00	1	1.60 kg
	AC-700	Rectangular pole cap with sleeve	GLTSTOPPERW00	1	0.01 kg
	AC-710	Rectangular pole cap with protective rubber sleeve	GLTPLUG011W00	1	0.06 kg
www.www.	AC-715	Rectangular pole cap without protective rubber sleeve	GLTPLUG021W00	1	0.03 kg
and the second s	AC-771	Upper interior LED lights	GLTSWIFTN1G00	1	0.2 kg
	AC-778	RGB LED light strips for pole, $L = 8 \text{ m}$	GLTLED80T0W00	1	1.10 kg
	AC-800	LED light strips for pole, L = 5 m	GLTLED5000W00	1	0.4 kg
	TRAFFIC LIGHT ADAPTER	Traffic light adapter	GTRAFADAPOGOO	1	0.2 kg

## KIT LIMIT 500 barrier unit



## Automation for road barriers 24 VDC

	0101	RAL	
LIMIT 500 KIT	GKLTX00EL5R000	RAL 3002 (Red)	9
LIMIT 500 KIT	GKLTX00EL5G000	RAL 7011 (Grey)	9









1 LIMIT 500 24V + CONTROL BOARD + RECEIVER

1 SINGLE SPRING AC-541

1 INTERNAL AC-771 LED LIGHT

1 AC-500 FOUNDATION KIT

## POLE KIT 3 M



## **GKLTAS3000W000**

### **KIT CONTENT**

1 POLE 3 M (AC-630) 1 REAR CAP FOR AC-700 SLEEVES 1 POLE CAP WITH SLEEVES AC-710 1 RED SLEEVE FOR 3M POLE (AC-670) 2 AC-660 ADHESIVE STRIPS 2 AC-800 LED STRIPS

## GKLTAM3000W000

### **KIT CONTENT**

1 POLE 3 M (AC-630) 1 REAR CAP FOR AC-700 SLEEVES 1 POLE CAP WITH SLEEVES AC-710 1 TRANSPARENT SLEEVE FOR 3M POLE (AC-670T) 2 AC-660 ADHESIVE STRIPS 2 RGB LED STRIPS AC-778 **1 TRAFFIC ADAPTER** 

## 

POLE KIT **3M** TRAFFIC LIGHT



## POLE KIT **4 M**



## GKLTAS4000W000

### KIT CONTENT

1 POLE 4 M (AC-640) 1 REAR CAP FOR AC-700 SLEEVES 1 POLE CAP WITH SLEEVES AC-710 1 RED SLEEVE FOR 4M POLE (AC-681) 2 AC-660 ADHESIVE STRIPS 2 AC-800 LED STRIPS

## POLE KIT **4M** TRAFFIC LIGHT



## GKLTAM4000W000

#### KIT CONTENT

1 3M POLE (AC-630) + 1 2M SHAFT (AC-622) 1 JOINT FOR RODS AC-775 1 REAR CAP FOR AC-700 SLEEVES 1 POLE CAP WITH SLEEVES AC-710 1 RED SLEEVE FOR 5M POLE (AC-682) 2 AC-660 ADHESIVE STRIPS 2 RGB LED STRIPS AC 778 1 TRAFFIC LIGHT ADAPTER

## POLE KIT **5 M**



POLE KIT **5M** TRAFFIC LIGHT

– 3 mt + 2 mt —

## **GKLTAS5000W000**

KIT CONTENT 1 POLE 3 M (AC-630) 1 REAR CAP FOR AC-700 SLEEVES 1 POLE CAP WITH SLEEVES AC-710 1 RED SLEEVE FOR 3M POLE (AC-670) 2 AC-660 ADHESIVE STRIPS 2 AC-800 LED STRIPS

## GKLTAM5000W000

### KIT CONTENT

- 1 3M POLE (AC-630) + 1 2M SHAFT (AC-622)
- 1 JOINT FOR RODS AC-775
- 1 REAR CAP FOR AC-700 SLEEVES
- 1 POLE CAP WITH SLEEVES AC-710
- 1 TRANSPARENT SLEEVE FOR 5M POLE (AC-682T)
- 2 AC-660 ADHESIVE STRIPS
- 2 RGB LED STRIPS AC-778
- **1 TRAFFIC ADAPTER**



# LIMIT 600 Technical features





Every single product is regularly tested at the end of the assembly line

## LIMIT 600 for poles up to 6m in length

Depending on the length of the pole and the accessories, the AC-541 spring must be fixed to one of the holes of the spring tensioning arm according to the table and diagram below



SPRING AC-541

POSITIONING SPRING AC-541							
POLE LENGTH	2 m	3 m	4 m	5 m	6 m		
POLE	1-2 \star	1-2-3 <b>*</b>	3	3	3		
POLE WITH SLEEVES AND LEDS	1-2 \star	3	3	3	3		
POLE WITH SLEEVES and LEDs and WITH MOBILE SUPPORT	1-2 \star	3	3	3	3		
POLE WITH SINGLE SLEEVE, LED, FENCE	-	3	3	3	-		
POLE WITH SINGLE SLEEVE, LED, FENCE AND MOBILE SUPPORT	-	3	3	3	-		



The spring can be fixed in the holes indicated with adequate adjustment for a correct balance of the pole. With the barrier unlocked, the pole must remain in equilibrium at  $45^\circ$ 

## For poles up to 6m long



### For poles up to 12m long (6+6m)





	TECHNICAL FEATURES
	LIMIT 600 24V
Power supply	230 VAC
Motor power supply	24 VDC
Power consumption	150 W
Power consumption	6.2 A
Pair	300 Nm
Work intermittency	Intensive use
Protection class (IP)	IP44
Insulation class	2
Operating temp.	-20°C / +50°C

## LIMIT 600



Automation for road barriers 24 VDC

### Electromechanical barrier 24 VDC with encoder, pole up to 6m

	- <b>Æ</b>	0101	RAL		(( <sup>†</sup> ))	Kg	
LIMIT 600	24V	GLTX60EEL0R00	RAL 3002 (Red)	CU 24V HP LT	•	57.5 kg	6
LIMIT 600	24V	GLTX60EEL0G00	RAL 7011 (Grey)	CU 24V HP LT	•	57.5 kg	6

## LIMIT 600 Accessories

•			0101		(Kg)
2	AC-30	External antenna (cable L = 3m) 433.92 MHz	GANTENNANOGOO	1	0.2 kg
	AC-50	Buffer battery for 24V applications	GBATTERYLOGOOA	1	1.30 kg
	AC-240	1-channel inductive sensor	GINDUCTONOGOO	1	0.28 kg
JJ	AC-510	Limit 600/800 foundation fastening kit	GLTANCHO80G00	1	2.2 kg
	AC-541	Single spring for lightweight pole Border/ Limit	GLTSPRINGUG00	1	3.8 kg
ľ	AC-560R	Pole support for barrier	GLTFIX0000R00	1	4.6 kg
~	AC-570	Mobile support for pole	GLTSUPPORTGOO	1	1.05 kg
	AC-590	Fence for aluminium pole, L = 2 m	GLTHEDGE02W00	1	1.7 kg

## LIMIT 600 Accessories

•			0101	$\bigcirc$	(Kg)
	AC-630	Rectangular aluminium pole L = 3 m	GLTBAR3001W00	1	3.5 kg
	AC-655	Rectangular aluminium pole L = 6 m	GLTBAR6001W00	1	7.00 kg
	AC-775	Joint for poles	GLTJOINTROGOO	1	1.10 kg
	AC-660	Comunello reflective adhesive labels (pack of 30)	GLTSTRIPOOWOO	1	0.10 kg
	AC-683	Red protective rubber (top and bottom), L= 6m	GLTTOPP601R00	1	1.71 kg
	AC-683T	Transparent protective rubber (top and bottom), L= 6m	GLTTOPP601T00	1	1.71 kg
	AC-700	Rectangular pole cap with sleeve	GLTSTOPPERW00	1	0.01 kg
	AC-710	Rectangular pole cap with protective rubber sleeve	GLTPLUG011W00	1	0.06 kg
morrows	AC-715	Rectangular pole cap without protective rubber sleeve	GLTPLUG021W00	1	0.03 kg
and the second s	AC-771	Upper interior LED lights	GLTSWIFTN1G00	1	0.2 kg
۲	AC-800	LED light strips for pole, L = 5 m	GLTLED5000W00	1	0.4 kg
	AC-778	RGB LED light strips for pole, $L = 8 m$	GLTLED80T0W00	1	0.10 kg
	TRAFFIC LIGHT ADAPTER	Traffic light adapter	GTRAFADAPOGOO	1	0.2 kg

## KIT LIMIT 600 barrier unit



## Automation for road barriers 24 VDC

0101	RAL	
GKLTX00EL6R000	RAL 3002 (Red)	6
GKLTX00EL6G000	RAL 7011 (Grey)	6









1 LIMIT 600 24V + CONTROL BOARD + RECEIVER

1 SINGLE SPRING AC-541

2 INTERNAL AC-771 LED LIGHTS

1 AC-510 FOUNDATION KIT

## POLE KIT 5M



## **GKLTAS5000W000**

### **KIT CONTENT** 1 POLE 3 M (AC-630)

1 REAR CAP FOR AC-700 SLEEVES 1 POLE CAP WITH SLEEVES AC-710 1 RED SLEEVE FOR 3M POLE (AC-670) 2 AC-660 ADHESIVE STRIPS 2 AC-800 LED STRIPS

## POLE KIT **5M** TRAFFIC LIGHT



CICI Product code

## **GKLTAM5000W000**

### **KIT CONTENT**

- 1 3M POLE (AC-630) + 1 2M SHAFT (AC-622)
- 1 JOINT FOR RODS AC-775
- 1 REAR CAP FOR AC-700 SLEEVES
- 1 POLE CAP WITH SLEEVES AC-710
- 1 TRANSPARENT SLEEVE FOR 5M POLE (AC-682T)
- 2 AC-660 ADHESIVE STRIPS
- 2 RGB LED STRIPS AC-778
- **1 TRAFFIC ADAPTER**







Quantity

## POLE KIT 6M



## GKLTAS6000W000

### KIT CONTENT

- 2 3M POLES (AC-630) 1 JOINT FOR RODS AC-775 1 REAR CAP FOR AC-700 SLEEVES 1 POLE CAP WITH SLEEVES AC-710 1 RED SLEEVE FOR 6M POLE (AC-683) 3 AC-660 ADHESIVE STRIPS
- 3 AC-800 LED STRIPS
- 1 AC-570 MOBILE POLE SUPPORT





## GKLTAM6000W000

### KIT CONTENT

- 2 3M POLES (AC-630)
- 1 JOINT FOR RODS AC-775
- 1 REAR CAP FOR AC-700 SLEEVES
- 1 POLE CAP WITH SLEEVES AC-710
- 1 TRANSPARENT SLEEVE FOR 6M POLE (AC-683T)
- 3 AC-660 ADHESIVE STRIPS
- 3 AC-778 RGB LED STRIPS
- 1 AC-570 MOBILE POLE SUPPORT
- 1 TRAFFIC ADAPTER



# LIMIT 800 Technical features







Every single product is regularly tested at the end of the assembly line

## LIMIT 800 for poles up to 8m in length

### For poles up to 7m (3+4 m)



### For poles up to 8m (4+4 m)



#### For poles up to 16 m



POLE ASSEMBLY AND CHOICE OF BALANCING SPRINGS			LENGT	H	
	6.0	6.5	7.0	7.5	8.0
Pole with joint and cap	0	٠	•	٠	٠
Pole with joint, cap and LED	0	٠	•	٠	•
Pole with joint, cap and sleeves	0	٠	٠	٠	٠
Pole with joint, cap, sleeves and LEDs	0	٠	٠	٠	۲
Pole with joint, cap and movable support	•	•	٠	٠	٠
Pole with joint, cap and movable support and LEDs	•	•	٠		
Pole with joint, cap and movable support, LEDs and red sleeves	•	•			
Pole with joint, cap and fence	•	٠	•	٠	
Pole with joint, cap, fence and LED	•	٠	•		
Pole with joint, cap, fence, LEDs and movable support	•	٠			

OAC-551 spring – single spring assembly, 45° balance

• AC-551 spring – double spring, 45° balance

AC-551 spring – double spring, 55° balance

#### TECHNICAL FEATURES

	LIMIT 800 24V
Power supply	230 VAC
Motor power supply	24 VDC
Power consumption	150 W
Power consumption	6.2 A
Pair	300 Nm
Work intermittency	Intensive use
Protection class (IP)	IP44
Insulation class	2
Operating temp.	-20°C / +50°C

	80(	)				
Automation for road barriers 24 VDC						
Electromechanica	al barrier with end	oder, 24 VDC, pole up	to 8m			
	- <b>@</b> =	0101		(Kg)	<b>W</b>	
LIMIT 800	24 VDC	GLT080EELOR00A	CU 24 V LT	95 kg	6	

Available on request in RAL7011 colour (Grey)

## LIMIT 800 Accessories

۲			0101	1	(Kg)
20	AC-30	External antenna (cable L = 3m) 433.92 MHz	GANTENNANOGOO	1	0.2 kg
۹	AC-240	1-channel inductive sensor	GINDUCTONOGOO	1	0.28 kg
JJ	AC-510	Limit 600/800 foundation fastening kit	GLTANCH080G00	1	2.2 kg
~	AC-551	Double spring for LIMIT 800	GLTSPRINGTGOOA	1	7.1 kg
ľ	AC-560R	Pole support for barrier	GLTFIX0000R00	1	4.6 kg
~	AC-570	Mobile support for pole	GLTSUPPORTG00	1	1.05 kg
	AC-590	Fence for aluminium pole, L = 2 m	GLTHEDGE02W00	1	1.7 kg

## LIMIT 800 Accessories

۲			0101		Kg
	AC-731	Aluminium round pole L = 3 m	GLTBAR8300W00	1	3.70 kg
5	AC-741	Aluminium round pole L = 4 m	GLTBAR8400W00	1	5.20 kg
	AC-751	Aluminium round pole L = 5 m	GLTBAR8500W00	1	6.50 kg
	AC-765	Joint for poles	GLTJOINTT1G00	1	1.10 kg
	AC-661	Common reflective adhesive labels (pack of 30 pieces) for LIMIT 800	GLTSTRIP01W00	1	0.10 kg
	AC-684	Red protective rubber (lower part), L= 8 m	GLTTOPP801R00	1	0.85 kg
	AC-713	Round pole cap with rubber protective sleeve	GLTPLUG041W00	1	0.05 kg
and the second s	AC-771	Upper interior LED lights	GLTSWIFTN1G00	1	0.2 kg
	AC-800	LED light strips for pole, L = 5 m	GLTLED5000W00	1	0.4 kg
	AC-778	RGB LED light strips for pole, L = 8 m	GLTLED80T0W00	1	1.10 kg
	TRAFFIC LIGHT ADAPTER	Traffic light adapter	GTRAFADAPOGOO	1	0.2 kg
Automation for road barriers 24 VDC



# Complete kit with LIMIT 800 24 VDC barriers, poles up to 8m

	0101	(Kg)	All
Kit Limit 800 - 8 m - Traffic light	GKLT080EL0R907A	122 kg	6



AC-731

Round aluminium pole with transparent side sleeve, L = 3 m



Foundation fixing kit



Round aluminium pole with transparent side sleeve, L = 5 m



Double spring for LIMIT 800

3



AC-765 Joint for poles



2 Internal LED lights

LT800-24V-B 1 Limit 800 24 V



AC-661 Common reflective adhesive labels for LIMIT 800 (pack of 30 pieces) for LIMIT 800

AC-570

Mobile support for pole



AC-713 Front cover for round pole without protective rubber



2 RGB LED strips for poles L = 8 m



AC-684 Red protective sleeve for round pole limit, L = 8 m





Product description DID Product (1) Article Voltage Control int unit Control int area (1) Receiver radio Weight Security per pallet of the per part of



# Safety accessories

Comunello accessories are designed to ensure the highest level of safety, reliability and integration with automation systems. Photocells, flashers and other devices offer effective control and advanced protection, ensuring safe operation in any context. Thanks to a careful design and efficient technology, these accessories complete and optimise every installation, improving the user experience and guaranteeing performance that always lives up to expectations.









# Outdoor photocells, painted finish





## **Protection:**

Electronics protected by a pre-assembled seal on a dedicated seat.

Simple and convenient installation:

Cable routing arranged both at the bottom and at the back of the photocell. Ample space dedicated to wiring.

Design: Eye-catching design with no visible screws

# Adjustment:

The slotted pilot holes allow the position to be adjusted even after installation

# **Durability:**

High-quality plastic material with anti-UV additives and embossed paint

## Sync Version:

The DART SYNC version allows automatic synchronization between transmitter and receiver to avoid interference in systems with multiple pairs of photocells.

•	0101		-92-	IP	Capacity		(Kg)
DART	GDARTSTDN0B00A	Pair of photocells with capacity up to 15m.	12V / 24V	IP 54	15 m	1 Kit	0.15 kg
DART SYNC	GDARTSTDN1B00	Pair of photocells, synchronized version with capacity up to 20 m	12V / 24V	IP 54	20 m	1 Kit	0.15 kg

# DART SLIM

# Outdoor photocells, painted finish





## Protection:

Electronics protected by a pre-assembled seal on a dedicated seat.

## Simple and convenient installation:

Cable routing arranged both at the bottom and at the back of the photocell. Ample space dedicated to wiring.

## Design: Eye-catching design with no visible screws

Adjustment:

The slotted pilot holes allow the position to be adjusted even after installation

## **Durability:**

High-quality plastic material with anti-UV additives and embossed paint

## Sync Version:

The DART SLIM SYNC version allows automatic synchronization between transmitter and receiver to avoid interference in systems with multiple pairs of photocells.

•	0101		-92-	IP	Capacity		Kg
DART SLIM	GDARTSLMN0B00A	Pair of slim photocells with capacity up to 15m	12V / 24V	IP 54	15 m	1 Kit	0.12 kg
DART SLIM SYNC	GDARTSLMN1B00A	Pair of slim photocells, synchronized version with capacity up to 20m	12V / 24V	IP 54	20 m	1 Kit	0.12 kg

Product description DID Product Code Article 🗲 Voltage 💥 Control unit Control Uni

# DART ADJUSTABLE

# Outdoor adjustable photocells, painted finish





# **Protection:**

Electronics protected by a pre-assembled seal on a dedicated seat.

## Simple and convenient installation:

Cable routing arranged both at the bottom and at the back of the photocell. Ample space dedicated to wiring.

# Design:

Eye-catching design with no visible screws

Adjustments:

Transmitter and receiver can rotate 180° on the vertical axis and 40° on the horizontal axis.

The slotted pilot holes allow the position to be adjusted even after installation

# **Durability:**

High-quality plastic material with anti-UV additives and embossed paint

# Sync Version:

The DART ADJUSTABLE SYNC version allows automatic synchronization between transmitter and receiver to avoid interference in systems with multiple pairs of photocells.

•	0101		-92	IP	Capacity	$\bigcirc$	Kg
ADJUSTABLE DART	GDARTADJN0B00A	Pair of adjustable photocells with a capacity of up to 15m	12V / 24V	IP 54	15 m	1 Kit	0.25 kg
DART ADJUSTABLE Sync	GDARTADJN1B00A	Pair of adjustable photocells, synchronized version with capacity up to 20m	12V / 24V	IP 54	20 m	1 Kit	0.25 kg

# DART ADJUSTABLE BATTERY

# Adjustable outdoor battery-powered photocells, painted finish





## **Protection:**

Electronics protected by a pre-assembled seal on a dedicated seat.

# Simple and convenient installation:

Cable routing arranged both at the bottom and at the back of the photocell. Ample space dedicated to wiring.

## **Design:** Eye-catching design with no visible screws

Adjustments:

Transmitter and receiver can rotate  $180^{\circ}$  on the vertical axis and  $20^{\circ}$  on the horizontal axis.

The slotted pilot holes allow the position to be adjusted even after installation

# **Durability:**

High-quality plastic material with anti-UV additives and embossed paint

۲	0101		-62	IP	Capacity		Kg
DART BATTERY	GDARTBTTN0B00A	Pair of adjustable battery photocells with a capacity of up to 18 m	12V / 24V	IP 54	18 m	1 Kit	0.30 kg

113

# DART ADJUSTABLE INDUSTRIAL

# Outdoor adjustable photocells, painted finish



## **Protection:**

Electronics protected by a pre-assembled seal on a dedicated seat.

# Simple and convenient installation:

Cable routing arranged both at the bottom and at the back of the photocell. Ample space dedicated to wiring.

## Design:

Eye-catching design with no visible screws

## Adjustments:

Transmitter and receiver can rotate 180° on the vertical axis and 20° on the horizontal axis. The slotted pilot holes allow the position to be adjusted even after installation

## Vandalism protection:

The structure of the photocell made entirely of die-cast aluminium guarantees high strength and resistance.



•	0101		-92-	IP	Capacity		Kg
INDUSTRIAL DART	GDARTINDN0B00	Pair of adjustable photocells with capacity up to 30m	12V / 24V	IP 55	30 m	1 Kit	0.60 kg

# DART INSERT

# **Recessed photocells, painted finish**



## Protection:

Electronics protected by a pre-assembled seal on a dedicated seat.

Simple and convenient installation:

Cable routing arranged both at the bottom and at the back of the photocell. Ample space dedicated to wiring.

## Design:

Eye-catching design with no visible screws

# Adjustment:

The slotted pilot holes allow the position to be adjusted even after installation

# Durability:

High-quality plastic material with anti-UV additives and embossed paint



•	0101		-62	IP	Capacity		Kg
DART INSERT	GDARTINSN0B00	Pair of recessed photocells, glass included	12V / 24V	IP 54	15 m	1 Kit	0.20 kg

Product description DID Product 💽 Article 🗲 Voltage 💥 Control 🛗 Maximum (() Neceiver radio Weight 🐼 Quantity per pallet 🐼 Quantity

# DART COVER

Die-cast aluminium vandalism protection for:

- DART
- DART SYNC



# DART COVER SLIM

Die-cast aluminium vandalism protection for:

- DART SLIM
- DART SLIM SYNC



# COLUMNS

Compatible with: DART, DART SYNC, TACT, TACT RADIO, TACT CARD, INDEX, INDEX EU

Compatible with: DART SLIM, DART SLIM SYNC





Article I Voltage Control unit Maximum ((p)) Receiver & Weight Quantity per pallet

Quantity per box

OIOI Product code



# New generation LED flashing beacon



# Simple and convenient installation:

The flashing beacon can be installed either on a wall or horizontally. Ample space dedicated to wiring.

## Design:

Attractive design: Ixi stands out with its ultra-original and futuristic design. Its perfect geometry beautifully diffuses light

# Adjustment:

The slotted pilot holes allow the position to be adjusted even after installation **Durability:** 

The board is protected by a coating against possible condensation or contact with insects.Stainless steel external screws.

## **Protection:**

The internal board is completely insulated from both the inside and outside of the flashing beacon.





۲	0101		-@=	IP		Kg
IXI	GIILEDSTLYB00	24 VDC LED flashing beacon	24V	IP 44	1	0.35 kg



The flashing beacon can be installed either on a wall or horizontally



The 4 slotted pilot holes allow the position to be adjusted even after installation



Cable routing arranged at the bottom, not visible

Product description

# SWI

# New generation LED flashing beacon



# Simple and convenient installation:

Extremely easy to install thanks to the easy access to the connection area, it can be powered at both 24VDC and 230VAC. The flashing beacon can be installed either on a wall or horizontally.

**Design:** 

Attractive design: The Swift range is inspired by the concept of pure and subtle lines of classic flashing warning beacons.

# **Durability:**

The board is protected by a coating against possible condensation or contact with insects.Stainless steel external screws.



•	0101		-62	IP	$\bigcirc$	Kg
SWIFT	<b>GSWIFTSTLYB00A</b>	24VDC / 230VAC LED flashing beacon	24V / 230V	IP 54	1	0.25 kg



Board power supply both 24V and 230V







Cable routing arranged both at the bottom and at the rear of the flashing beacon, without the aid of additional brackets

AUTOMATION

# Control accessories

The Comunello control accessories offer advanced solutions for access control in gate automation systems. Designed to ensure safety, convenience and optimal integration, these devices allow effective and personalized management of inputs. Thanks to their reliable technology and elegant design, they are perfectly suited to different installation requirements, enhancing the user experience and ensuring high performance over time.









TACT

Die-cast aluminium digital keypad selector For use with TACT DEC



**Protection:** 

Electronics protected by pre-assembled seals. Comfort:

Keys with backlit numbers clearly visible in the dark.

Simple and convenient installation:

Cable routing arranged both at the bottom and at the rear of the selector.Ample space dedicated to wiring.

# Design:

Eye-catching design with no visible screws

30 mm

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# Adjustment:

The slotted pilot holes allow the position to be adjusted even after installation

# Durability:

Construction fully made of die-cast aluminium



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97



۲	0101		-62	IP		Kg
TACT	GTACTSTDN0B00A	Digital keypad selector, aluminium (operating via TACT DEC)	24 VDC/VAC	54	1	0.35 kg

65.5 mm

# TACT DEC

TACT / TACT-CARD compatible 2-channel decoder, up to 500 codes can be stored. 250 on channel 1, 250 on channel 2

COMUNELLO

## Protection:

Electronics protected by a pre-assembled seal.

## Simple and convenient installation:

Cable routing arranged both at the bottom and at the rear of the selector. Ample space dedicated to wiring.

## Design:

Eye-catching design with no visible screws

Adjustment:

The slotted pilot holes allow the position to be adjusted even after installation

**Durability:** 

Fully pre-cast aluminium construction





•	0101		-@=	IP	1	Kg
TACT DEC	GTACTDECN0B00A	Decoder for TACT / TACT-CARD	24 VDC/VAC	54	1	0.27 kg

Product description DID Product (19) Receiver Radio Weight Second Control Receiver Radio Weight Receiver Receiv

# TACT CARD

# Transponder function switch. For use with TACT DEC



# TACT RADIO

# Digital radio keypad selector



# **Protection:**

Electronics protected by a pre-assembled seal.

# Comfort:

Keys with backlit numbers clearly visible in the dark.

# Design:

30 mm

60

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Eye-catching design with no visible screws

# Adjustment:

The slotted pilot holes allow the position to be adjusted even after installation

# Durability:

High-quality plastic material with anti-UV additives and embossed paint **Smart:** 

# Up to 10 codes can be stored with the option of deleting and reprogramming individual codes.





•	0101		-6=	IP	$\bigcirc$	(Kg)
TACT RADIO	GTACTRADN0B00A	Digital keypad selector, radio	24 VDC/VAC	54	1	0.15 kg

65.5 mm

123

# Complementary accessories



TACT BADGE Compatible with: TACT CARD

•	0101		$\bigcirc$	Kg
TACT-BADGE	GTACTCRDN0B00A	Badge for New TACT CARD	10	0.06 kg



# TACT TOKEN

Compatible with: TACT CARD

•	0101		$\bigcirc$	Kg
TACT-TOKEN	GTACTTKNN0B00A	Token for New TACT CARD	10	0.06 kg

Product description DID Product Code Article 🐲 Voltage 🗱 Control unit Control unit Maximum (() Receiver Kg Weight 💖 Quantity per pallet

# **M** COMUNELLO

# Key selector



## **Protection:**

Electronics protected by a pre-assembled seal on a dedicated seat.

# Simple and convenient installation:

Cable routing arranged both at the bottom and at the rear of the selector.Ample space dedicated to wiring.

## **Design:**

Eye-catching design with no visible screws

## Adjustment:

The slotted pilot holes allow the position to be adjusted even after installation

# **Durability:**

Fully pre-cast aluminium construction



•	0101		IP		Kg
INDEX	GINDEXSTN0B00A	Key selector with standard cylinder	54	1	0.28 kg
KIT 2 INDEX	GINDEXSTD0B00A	Standard key selector – 2-piece kit with the same cylinder	54	1	0.50 kg

# **INDEX INSERT**

**Recessed key selector** 



**Protection:** 

Electronics protected by a pre-assembled seal on a dedicated seat.

## Simple and convenient installation:

Cable routing arranged both at the bottom and at the rear of the selector. Ample space dedicated to wiring.

## Design:

Eye-catching design with no visible screws

## Adjustment:

The slotted pilot holes allow the position to be adjusted even after installation **Durability:** 

Fully pre-cast aluminium construction



•	0101		IP		Kg
INDEX INSERT	GINSEXSTN0B00	Recessed key selector, glass included	IP 54	1	0.33 kg

Product description DID Product (code Article Voltage Control unit Control Unit Article Control Unit Control Unit Control Control Unit Control Control

# INDEX EURO

# Key selector with European cylinder



## Protection:

Electronics protected by a pre-assembled seal on a dedicated seat.

# Simple and convenient installation:

Cable routing arranged both at the bottom and at the rear of the selector. Ample space dedicated to wiring.

## Design:

New eye-catching design with no visible screws

## Adjustment:

The slotted pilot holes allow the position to be adjusted even after installation Durability:

Fully pre-cast aluminium construction



۲	0101		IP		Kg
INDEX EU	GINDEXEUN0B00A	Key selector with European cylinder	54	1	0.36 kg
EU INDEX KIT 2	GINDEXEUD0B00A	Key selector with European cylinder - 2 piece kit with the same cylinder	54	1	1.00 kg
KIT 4 INDEX EU	GKINDEEUN4B00A	Key selector with European cylinder – 4 piece kit with the same cylinder	54	1	1.48 kg

# INDEX INSERT EURO

# Key selector with recessed European cylinder



## Protection:

Electronics protected by a pre-assembled seal on a dedicated seat.

# Simple and convenient installation:

 $\ensuremath{\mathsf{Cable}}$  routing arranged both at the bottom and at the rear of the selector. Ample space dedicated to wiring.

# Design:

Eye-catching design with no visible screws

Adjustment: The slotted pilot holes allow the position to be adjusted even after installation

# **Durability:**

Fully pre-cast aluminium construction



•	0101		IP		Kg
INDEX INSERT EU	GINSEXEUN0B00	Recessed key selector with European cylinder, glass included	IP 54	1	0.45 kg
2 INDEX INSERT EU KIT	GINSEXEUD0B00A	Key selector with European cylinder 2-piece kit with the same cylinder	54	1 kit	1.00 kg
4 INDEX INSERT EU KIT	GKINSEEUN4B00	Key selector with European cylinder 4-piece kit with the same cylinder	54	1 kit	1.80 kg

# Radio controls

The Comunello radio remote controls guarantee precise and reliable remote control, combining advanced technology, security and refined design. These devices stand out for their versatility and ease of use. The model range is available in different versions and colours, offering advanced features such as rolling code encoding and extended range, ensuring effective and secure control









# VICTOR



2 CHANNELS **ROLLING CODE** 



2 CHANNELS **FIXED CODE** 



**4 CHANNELS ROLLING CODE** 



		0101	$\bigcirc$	Kg
VICTOR – 2 RC	Rolling code remote control, 2-channel, grey	GVCTR2STN0G00	1	0.02 kg
VICTOR – 2 RC	Rolling code remote control, 2-channel, blue	GVCTR2STNOL00	1	0.02 kg
VICTOR – 2 RC	Rolling code remote control, 2-channel, red	GVCTR2STNOR00	1	0.02 kg
VICTOR – 2 RC	Rolling code remote control, 2-channel, green	GVCTR2STN0V00	1	0.02 kg
VICTOR – 2 RC	Rolling code remote control, 2-channel, yellow	GVCTR2STN0Y00	1	0.02 kg
VICTOR – 2 SYNC	Fixed code remote control with self-learning copy, 2-channel, grey	GVCTR2SYN0G00	1	0.02 kg
VICTOR – 2 SYNC	Fixed code remote control with self-learning copy, 2-channel, blue	GVCTR2SYNOL00	1	0.02 kg
VICTOR – 2 SYNC	Fixed code remote control with self-learning copy, 2-channel, red	GVCTR2SYNOR00	1	0.02 kg
VICTOR – 2 SYNC	Fixed code remote control with self-learning copy, 2-channel, green	GVCTR2SYNOV00	1	0.02 kg
VICTOR – 2 SYNC	Fixed code remote control with self-learning copy, 2-channel, yellow	GVCTR2SYNOY00	1	0.02 kg
VICTOR – 4 RC	Rolling code remote control, 4-channel, grey	GVCTR4STN0G00	1	0.02 kg
VICTOR – 4 RC	Rolling code remote control, 4-channel, blue	GVCTR4STN0L00	1	0.02 kg
VICTOR – 4 RC	Rolling code remote control, 4-channel, red	GVCTR4STNOR00	1	0.02 kg
VICTOR – 4 RC	Rolling code remote control, 4-channel, green	GVCTR4STN0V00	1	0.02 kg
VICTOR – 4 RC	Rolling code remote control, 4-channel, yellow	GVCTR4STN0Y00	1	0.02 kg
VICTOR – 4 SYNC	Fixed code remote control with self- learning copy, 4-channel, grey	GVCTR4SYN0G00	1	0.02 kg
VICTOR – 4 SYNC	Fixed code remote control with self- learning copy, 4-channel, blue	GVCTR4SYNOL00	1	0.02 kg
VICTOR – 4 SYNC	Fixed code remote control with self- learning copy, 4-channel, red	GVCTR4SYNOR00	1	0.02 kg
VICTOR – 4 SYNC	Fixed code remote control with self- learning copy, 4-channel, green	GVCTR4SYNOV00	1	0.02 kg
VICTOR – 4 SYNC	Fixed code remote control with self- learning copy, 4-channel, yellow	GVCTR4SYN0Y00	1	0.02 kg



RECEIVER RADIO 433

Radio receiver, 2 channels, 433 MHz

GRESIVERNOGOO 1 0.20 kg

# VICTOR

۲				0101	1	Kg
	VICTOR - 868 - 2 RC		Rolling code remote control, 2-channel, 868.46 MHz, grey	GVCTR2S8N0G00	1	0.02 kg
	VICTOR - 868 - 2 RC		Rolling code remote control, 2-channel, 868.46 MHz, blue	GVCTR2S8N0L00	1	0.02 kg
w commenting	VICTOR - 868 - 2 RC		Rolling code remote control, 2-channel, 868.46 MHz, red	GVCTR2S8N0R00	1	0.02 kg
2 CHANNELS	VICTOR - 868 - 2 RC		Rolling code remote control, 2-channel, 868.46 MHz, green	GVCTR2S8N0V00	1	0.02 kg
ROLLING CODE 868.46 MHZ	VICTOR - 868 - 2 RC		Rolling code remote control, 2-channel, 868.46 MHz, yellow	GVCTR2S8N0Y00	1	0.02 kg
	VICTOR - 868 - 4 RC		Rolling code remote control, 4-channel, 868.46 MHz, grey	GVCTR4S8N0G00	1	0.02 kg
	VICTOR - 868 - 4 RC		Rolling code remote control, 4-channel, 868.46 MHz, blue	GVCTR4S8N0L00	1	0.02 kg
In Committee	VICTOR - 868 - 4 RC		Rolling code remote control, 4-channel, 868.46 MHz, red	GVCTR4S8N0R00	1	0.02 kg
4 CHANNELS	VICTOR - 868 - 4 RC		Rolling code remote control, 4-channel, 868.46 MHz, green	GVCTR4S8N0V00	1	0.02 kg
ROLLING CODE 868.46 MHZ	VICTOR - 868 - 4 RC		Rolling code remote control, 4-channel, 868.46 MHz, yellow	GVCTR4S8N0Y00	1	0.02 kg
	VICTOR KIT		Kit 5 remote controls, rolling code, 2-channel, different colours	GVCTR2STN5C00	1	0.60 kg
(((•))) I RECEIVER RADIO 868 Radio receiver, 2 channels, 868 MHz GRESIVE8NOGOO 1 0.20 kg						
						ê

•			0101	$\bigcirc$	(Kg)
	AC-950 LOCK-24	Radio receiver 433.92MHz	GMLOCKWFL0G00A	1рс	0.30 kg

# VICTOR KIT



# VICTOR 55 CARBON FINISH

			0101		(Kg)			
			UIUI		[Kg]			
	VICTOR 55 – 2 RC	Rolling code remote control, 2-channel, CARBON Finish	GVCTR2STNCC00	1	0.02 kg			
a converto 2 CHANNELS	VICTOR 55 - 2 SYNC	Fixed code remote control with self- learning copy, 2-channel CARBON finish	GVCTR2SYNCC00	1	0.02 kg			
	VICTOR 55 – 4 RC	Rolling code remote control, 4-channel, CARBON Finish	GVCTR4STNCC00	1	0.02 kg			
4 CHANNELS	VICTOR <mark>55</mark> – 4 SYNC	Fixed code remote control with self- learning copy, 4-channel CARBON finish	GVCTR4SYNCC00	1	0.02 kg			
(((•)	Image: concentration       Image: concentration         Image: concentration       Image: concentration         Image: concentration       Image: concentration         Image: concentration       Receiver Radio receiver, 2 channels, 433 MHz       GRESIVERNOG00       1       0.20 kg							

•			0101	<b>`</b>	Kg
	AC-950 KIT	Radio receiver 433.92MHz + 4 VICTOR 55 CARBON	GKMLOCKRLOGOOA	1pc	0.30 kg



VICTOR 55

# Control units

Comunello control units are at the heart of automation systems, combining advanced technology, reliability and ease of use. Designed for maximum control and intuitive operation, they offer great versatility, adapting to different installation requirements. Thanks to their robust structure and integration with home automation systems, they ensure high performance and efficient management in any context.





# AC-950 LOCK-24

New radio and Wifi control unit for remote automation control



# AC-950 LOCK-24

*GMLOCKWFL0G00A* 

- 433.92MHz radio receiver compatible with Victor rolling code radio controls
- WiFi module for output management via the One
  Smart App
- Compatible with Google Home, Alexa and voice commands
- Icon selectable between swing gate, sliding gate or garage door
- Creation of scenarios and programming of commands
- Contact NO max 1A, contact NC max 1A
- Two configurable inputs (NO/NC) with "automation status" function
- Power supply 12 / 24 VDC

# COMPATIBILITY









VICTOR RC

OneSmart

Google Home

AREAS OF USE



Actuators for sliding gates



Alexa

Actuators for swing gates



Actuators for garage doors

 Product
 Article
 Image: Control unit
 Image: Control unit
 Image: Control unit
 Maximum area
 ((p)) Receiver radio
 Image: Control unit
 Quantity per pallet
 Quantity per pallet
 Quantity per pallet



Automations for road barriers

# COMUNELLO AUTOMATION MANAGEMENT – OneSmart APP



# Sending commands via One Smart app

Compatible with Google Home, Alexa and voice commands









# Quad-24V-HP



# Quad-230V-HP



۲			0101	•	(Kg)
	Quad-24V-HP	Central 24V, HP, 1 or 2 motors	GQUADHP2L0G00	1pc	3.7 kg
	Quad-230V-HP	Central 230V, HP, 1 or 2 motors	GQUADHP2H0G00	1pc	3.1 kg
	AC-950 LOCK-24	433.92MHz radio receiver compatible with Victor rolling code radio controls	GMLOCKWFL0G00A	1pc	0.2 kg
ااا (	AC-950 KIT	Radio receiver 433.92MHz + 4 VICTOR 55 CARBON	GKMLOCKRLOGOOA	1pc	0.30 kg
	SWIFT	LED flashing beacon LED 24V - 230, yellow	GSWIFTSTLYBOOA	1	0.26 kg
	IXI	LED flashing beacon LED 24V, yellow	GIILEDSTLYB00	1	0.26 kg
	DART	Pair of photocells with capacity up to 18m.	GDARTSTDN0B00A	1 kit	0.15 kg
	DART SYNC	Pair of photocells, synchronized version with capacity up to 20 m	GDARTSTDN1B00	1 kit	0.15 kg
	DART COVER	Vandalism protection for DART photocells, DART SYNC	GCVRDTSTD0S00	1 kit	0.15 kg
	DART-SLIM	Pair of slim photocells with capacity up to 15m	GDARTSLMNOBOOA	1 kit	0.12 kg
	DART SLIM SYNC	Pair of slim photocells, synchronized version with capacity up to 20m	GDARTSLMN1B00A	1 kit	0.12 kg
	DART COVER SLIM	Vandalism protection for DART SLIM, DART SLIM SYNC photocells	GCVRDSSTD0S00	1 kit	0.15 kg

Product description Product Article Voltage Voltage Control Weight Quantity per pallet Quantity per pallet Quantity per post

۲			0101		Kg
	ADJUSTABLE DART	Pair of adjustable photocells with a capacity of up to 15m	GDARTADJNOBOOA	1 kit	0.25 kg
	DART ADJUSTABLE SYNC	Pair of adjustable photocells, synchronized version with capacity up to 15m	GDARTADJN1B00A	1 kit	0.25 kg
	DART ADJUSTABLE BATTERY	Pair of adjustable photocells, with battery	GDARTBTTNOBOOA	1 kit	0.20 kg
	INDUSTRIAL ADJUSTABLE DART	Pair of adjustable photocells with capacity up to 30m	GDARTINDN0B00	1 kit	0.60 kg
	G-BOX	Recessed glass for DART INSERT, INDEX INSERT/INDEX INSERT EU	GBOXUNSTD0B00	20	0.025 kg
	DART INSERT	Pair of recessed photocells	GDARTINSN0B00	1 Kit	0.20 kg
	ТАСТ	Digital dial with keyboard	GTACTSTDN0B00A	1	0.39 kg
	TACT RADIO	Digital radio keypad selector	GTACTRADNOBOOA	1	0.08 kg
(•) 	TACT CARD	Digital transponder selector	GTACTCARNOBOOA	1	0.30 kg
M CONSTRAILS	TACT BADGE	Badge for New Tact Card	GTACTCRDN0B00A	10	0.06 kg
Ś	TACT TOCKEN	Token for New Tact Card	GTACTTKNNOBOOA	10	0.06 kg

•			0101	٠	(Kg)
	TACT DEC	New Decoder for TACT / TACT-CARD	GTACTDECN0B00A	1	0.08 kg
	INDEX	Standard key selector	GINDEXSTNOBOOA	1	0.25 kg
	KIT 2 INDEX	Standard key selector – 2-piece kit with the same cylinder	GINDEXSTDOBOOA	1 kit	0.50 kg
	INDEX EU	European key selector	GINDEXEUNOBOOA	1	0.37 kg
	EU INDEX KIT 2	Key selector with European cylinder – 2 piece kit with the same cylinder	GINDEXEUDOBOOA	1 kit	1.00 kg
	KIT 4 INDEX EU	Key selector with European cylinder – 4 piece kit with the same cylinder	GKINDEEUN4B00A	1 kit	1.48 kg
( <u>)</u>	INDEX INSERT	Recessed key selector	GINSEXSTNOBOO	1	0.33 kg
	INDEX INSERT EU	Recessed key selector with European cylinder	GINSEXEUNOBOO	1	0.45 kg
	2 INDEX INSERT EU KIT	Recessed key selector with European cylinder – 2 piece kit with the same cylinder	GINSEXEUDOBOOA	1	1.00 kg
	4 INDEX INSERT EU KIT	Recessed key selector with European cylinder – 4 piece kit with the same cylinder	GKINSEEUN4B00	1 kit	1.80 kg

Product description Product Code Article Voltage Voltage Control

•			0101	6	Kg
	MAST 50	Extruded aluminium column for DART, H = 50 cm	GMAST005N0G00A	1	2.20 kg
	MAST SLIM 50	Extruded aluminium column for DART SLIM, H = 50 cm	GMASTS05N0G00A	1	2.00 kg
	MAST 100	Extruded aluminium column for DART, H = 100 cm	GMAST010N0G00A	1	2.1 kg
	MAST 100 TWIN	Extruded aluminium column for 2 accessories, H = 100 cm	GMASTT10N0G00A	1	2.0 kg
	MAST SLIM 100	Extruded aluminium column for DART SLIM, H = 100 cm	GMASTS10N0G00A	1	2.1 kg
	AC-850	MAST column fixing KIT	GMASTKIT00Z02	1	0.9 kg
	AC-860	MAST SLIM column fixing KIT	GMASTKIT00Z01	1	0.9 kg

۲			0101		(Kg)
	AC-269 L= 1600	Sensitive safety edge, L = 1600 mm	GB01SENS16B00	1	2.10 kg
	AC-269 L= 2000	Sensitive safety edge, L = 2000 mm	GB01SENS20B00	1	2.00 kg
	AC-269 L= 2500	Sensitive safety edge, L = 2500 mm	GB01SENS25B00	1	3.20 kg
	AC-269 8K2 L= 1600	Sensitive safety edge, with resistance 8.2 $k\Omega$ , L = 1600 mm	GB02SENS16B00	1	1.70 kg
	AC-269 8K2 L= 2000	Sensitive safety edge, with resistance 8.2 $k\Omega$ , L = 2000 mm	GB02SENS20B00	1	2.00 kg
	AC-269 8K2 L= 2500	Sensitive safety edge, with built-in resistance 8.2 k $\Omega$ , L = 2500 mm	GB02SENS25B00	1	2.30 kg
	AC-269 8K2 M L= 1600	Increased sensitive safety edge, with built-in 8.2 k $\Omega$ resistor, L = 1600 mm	GBM2SENS16B00	1	1.47 kg
	AC-269 8K2 M L= 2000	Increased sensitive safety edge, with built-in 8.2 k $\Omega$ resistor, L = 2000 mm	GBM2SENS20B00	1	1.80 kg
	AC-269 8K2 M L= 2500	Increased sensitive safety edge, with built-in 8.2 k $\Omega$ resistor, L = 2500 mm	GBM2SENS25B00	1	2.23 kg
	AC-269 RADIO L=1600	Sensitive safety edge, radio, L = 1600 mm	GB03SENS16B00	1	2.10 kg
	AC-269 RADIO L=2000	Sensitive safety edge, radio, L = 2000 mm	GB03SENS20B00	1	2.00 kg
	AC-269 RADIO L=2500	Sensitive safety edge, radio, L = 2500 mm	GB03SENS25B00	1	3.20 kg
0	AC-269 RX-RADIO	Radio receiver 868 MHz for sensitive safety edge AC-269 RADIO	GB03SENSRXB00	1	0.1 kg
	AC-269 INT	Up to 4 safety sensitive edges with resistance can be connected to the control unit	GINTERBS00B00	1	0.1 kg

Product description Product Code Article Voltage Voltage Control

۲			0101	<b>S</b>	Kg
	AC-50	Buffer battery	GBATTERYLOGOOA	1	1.30 kg
	AC-10	12V horizontal electric lock (compatible with CU 230 HP)	GINDEXORMOGOO	1	1.7 kg
	AC-11	24V horizontal electric lock (compatible with CU 24 HP)	GINDEXORM1G00	1	1.7 kg
	AC-20	12V vertical electric lock (compatible with CU 230 HP)	GINDEXVRM0G00	1	1.4 kg
	AC-21	24V vertical electric lock (compatible with CU 24 HP)	GINDEXVRM1G00	1	1.4 kg
1	AF-550	Lock with control button	MP00M003H0000	1	0.58 kg
Q	AC-120	Cord release kit for towing L = 2.5 m	GCORD025N0B00	1	0.2 kg
Q	AC-130	Cord release kit for towing L = 9 m	GCORD090N0B00	1	0.7 kg
Remand AC EE	AC-40	Safety signage table	GSAFETYTN0G00	1	0.05 kg
	AC-30-433	External antenna 433 MHz	GANTENNANOGOO	1	0.2 kg
Ŷ	AC-30-868	External antenna 868 MHz	GANTENNAN8G00	1	0.2 kg
	AC-240	Inductive sensor 1 channel	GINDUCTONOGOO	1	0.28 kg



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# GENERAL TERMS AND CONDITIONS OF SALE

# 1. GENERAL INFORMATION

1.1 This document is addressed to the customers (hereinafter referred to as "Customers") of FRATELLI COMUNELLO SPA (hereinafter referred to as 'COMUNELLO' only) and is intended to make known the contractual conditions that COMUNELLO will apply in all sales of its products (hereinafter referred to as GENERAL TERMS OF SALE), unless otherwise specifically agreed in derogation to what is stated herein, these are, in any case, conditions that are binding and effective between the parties pursuant to art. 1341 Civil Code.

1.2. COMUNELLO shall apply Italian law in all contractual relationships regarding the sale of its products, unless special exceptions are agreed and proven in writing

1.3 The General Conditions of Sale reported here refer exclusively to the products bearing the COMUNELLO brand (hereinafter "Products").

# 2. OFFERS - QUOTES

2.1 Offers made by COMUNELLO to its customers shall remain effective for a maximum period of 20 (twenty) days from the date they are sent, in any case they shall be formalised in writing, including by email.

2.2. After this period, the offer made by COMUNELLO must be considered forfeited and not acceptable by the CUSTOMER, unless otherwise specifically agreed in writing between the contractual parties

# 3. ORDERS

3.1 Purchase orders signed by Customers and addressed to COMUNELLO must be confirmed by means of a special form prepared by COMUNELLO (order confirmation), which each Customer must retransmit to the latter company, indicating, with precision, the quantity of the goods sold and the further characteristics of the products requested, after signing.

3.2 The purchase agreement is concluded and binding between the parties by:

a) confirmation of the purchase order by FRATELLI COMUNELLO SPA;

b) with the physical execution of the purchase order by FRATELLI COMUNELLO, provided that it respects the content of the sale concluded between the parties.

3.3 Any modification or integration of individual provisions of the General Conditions of Sale or the purchase order are void if they have not been approved in writing by COMUNELLO SPA. In the event of changes to the purchase order, which occur after the submission of the form indicated in point 3.1., they cannot be considered effective if in the meantime COMUNELLO has accepted the order or has even partially executed it, COMUNELLO reserves the right to cancel the original purchase order and to suspend the execution of the order in progress, requesting compensation for damages.

3.4 The date of delivery of the Products indicated in the purchase orders is always indicative and any delay with respect to this term, for a period not exceeding 30 days, can never be a reason for the CUSTOMER to make claims for compensation against COMUNELLO or to terminate the contractual relationship.

In particular, COMUNELLO reserves the right to extend the delivery terms due to unforeseeable circumstances or force majeure or in any case for events not foreseeable at the time of the conclusion of the sale (for example, due to difficulties in the supply of raw materials and components); if before the delivery of the material the CUSTOMER is in a situation of financial difficulty or in any case changes its legal form, COMUNELLO may proceed to suspend the execution of the contractual relationship by immediately interrupting its execution, and possibly terminating the contract.-

# 4. DELIVERY AND SHIPPING

4.1 The Products are delivered to the CUSTOMER at the place of production or at the registered office of COMUNELLO (hereinafter "Delivery").

4.2 In the event that the Products are delivered Ex-works Rosà or

Cassola (VI) INCOTERMS 2021, the transfer of risk takes place from the moment of Delivery of the Products by FRATELLI COMUNELLO S.p.a. to the Customer or the carrier, the CUSTOMER also assumes the costs of transport.

4.3 Unless otherwise agreed, FRATELLI COMUNELLO SPA establishes, in the name and on behalf of the Customer, the type of shipment, the transport route and the carrier.

4.4 FRATELLI COMUNELLO SPA reserves the right to execute or partially deliver purchase orders. The Customer may not raise any objection in respect of split and/or partial deliveries

. All partial Deliveries will be invoiced independently and payment terms will commence from the date of each invoice. Payment of partial Deliveries may not be deferred upon completion of Deliveries relating to the original purchase order. Even in the case of partial deliveries, the provisions of Article 4.1 shall apply.

# 5. PRICES AND PRICE LISTS

5.1 Price means the price indicated in the latest COMUNELLO price list for the Products delivered to the Customer, including normal packaging, and excluding shipping costs (hereinafter "Price"). The latest price list issued by FRATELLI COMUNELLO SPA invalidates all previous price lists and, in the absence of different agreements, will be the one applicable to the sale.

# 6. PAYMENT

6.1 Payment of the Price shall be made within the period agreed between the contracting parties. Failure to pay the Price within the agreed term will result in the commencement of interest for late payment in commercial transactions, to the extent provided for by Legislative Decree no. 231 of 9.10.2002 and subsequent amendments and additions. Such interest will run from the expiration of the payment period, without prejudice to the greater damage suffered by COMUNELLO.-

6.2 The Customer may not propose questions or make exceptions against COMUNELLO except after having paid the Price.

6.3 In the event of payment irregularities, COMUNELLO reserves the right to suspend the execution of all purchase orders, even if different from those for which the delay or non-fulfilment by the CUSTOMER has occurred, without any prior notice or right to compensation for any damage by the CUSTOMER.

# 7. RETURNS AND COMPLAINTS

7.1 All complaints must be made in writing within 8 (eight) days of receipt of the Products, whether they relate to the quantity or quality of the Products delivered.

7.2 Returns of the Products delivered will be accepted by FRATELLI COMUNELLO SPA only with prior written agreement and exclusively with regard to new Products and complete with original packaging.

7.3 Returns must be accompanied by the appropriate return transport document, indicating the written authorisation of FRATELLI COMUNELLO SPA as well as the quantity and quality of the Products.

7.4 Returns may not be considered accepted by FRATELLI COMUNELLO SPA unless made in the above manner and in particular the acceptance of returns may not be understood as the taking over of Products at the headquarters or warehouses of FRATELLI COMUNELLO SPA.

7.5 On the amount credited referring to returns not due to causes attributable to FRATELLI COMUNELLO SPA, a 30% reduction will be made to be considered as a flat-rate settlement of the damage (penalty clause), charged to the Customer due to the general costs, shipping, deterioration of the goods, age etc borne by COMUNELLO.

# 8. WARRANTY

8.1 This warranty in commercial relations or in the case of sale of goods for professional use is limited to the repair or replacement of the part of the Product recognized by FRATELLI COMUNELLO SPA as defective by means of equivalent remanufactured Products (hereinafter "Conventional Warranty"), the cost necessary for the repair and replacement of the

material is not included in the warranty (by way of example, labour costs, material rental, etc.).-

8.2 The application of the regulations dictated by articles 1490-1495 of the Civil Code is excluded,

8.3 FRATELLI COMUNELLO SPA guarantees the functionality of the Products within the limits indicated in point 8.1 above. Unless otherwise agreed, the validity of the Conventional Guarantee is 24 (twenty-four) months from the date of production, which can be seen on the Products. For the actuators of the Showin line the warranty is 60 (sixty) months from the date of production, while for the remaining products of the Automation Frame line the warranty is 36 (thirty-six) months from the date of production. The Warranty will be effective and binding on COMUNELLO only if the product is correctly assembled and maintained in accordance with the installation and safety rules indicated in the documentation provided by COMUNELLO or in any case found on the website www.comunello.com

8.4 The warranty does not include: breakdowns or damage caused by transport; failures or damage caused by defects in the electrical installation present at the buyer's premises and/or by neglect, negligence, unsuitability, abnormal use of such installation; breakdowns or damages due to tampering by unauthorised personnel or as a result of incorrect use/installation (in this regard, system maintenance is recommended at least every six months) or the use of non-original spare parts; defects caused by chemical agents and/or atmospheric phenomena. The warranty does not include the cost

of consumable materials, in any case COMUNELLO accrues credit for the work carried out at the customer's premises, if the latter proves to be worthless because the warranty did not apply or because the customer had used the COMUNELLO product in a negligent, careless or impervious manner, such that the correct use of the product could have prevented the installation.-

8.5 Deadlines for implementation: unless otherwise agreed, the right to the Conventional Guarantee is exercised by showing a copy of the purchase document (tax invoice) to COMUNELLO. The Customer must report the defect to COMUNELLO within the forfeiture period of 30 (thirty) days from discovery.

The action must be exercised within the statute of limitations period of 6 (six) months from discovery. The pieces of the Products for which the activation of the Conventional Warranty is requested must be sent by the Customer to FRATELLI COMUNELLO S.p.a., Via Cassola 64, 36027 Rosà (VI) Italy.

8.6 The Customer may not claim compensation for indirect damages, lost profits, loss of production and in any case may not claim as compensation sums greater than the value of the components or Products supplied. All costs for transporting the Products to be rectified or intended to be rectified, even if covered by the Conventional Warranty, shall be borne by the Customer.

8.7 No external intervention carried out by COMUNELLO's technical staff is covered by the Conventional Warranty.

8.8 Specific modifications of the conditions of the Conventional Warranty described herein may be defined by the parties in their commercial contracts.

# 9. REPAIRS BEYOND THE WARRANTY PERIOD

9.1 The repairs of the Products requested by the Customer will be carried out by FRATELLI COMUNELLO SPA, subject to agreement on the cost of the intervention. In any event, the costs for labour and shipping (return) shall be borne by the Customer.

# 10. RESERVATION OF OWNERSHIP

10.1 The Products supplied to the CUSTOMER remain the property of FRATELLI COMUNELLO SPA until the full balance of the Price by the Customer, regardless of who holds the Products. Transportation and other expenses necessary for the recovery of the Products, as well as extraordinary and repeatable expenses, will be borne by the Customer.

11. PATENTS, TRADEMARKS AND DISTINCTIVE SIGNS

11.1 The Customer is aware that the Products are covered by patents and are the subject of Know-How and design constituting the exclusive property of FRATELLI COMUNELLO SPA, in accordance with the Industrial Property Code.

11.2 It is expressly forbidden for the Customer to violate these rights of FRATELLI COMUNELLO SPA and in any case the Customer may not in any way remove, suppress or in any case alter trademarks and other distinctive signs or acronyms of any kind affixed to the Products, just as it is forbidden to affix new ones of any kind. Any form of reproduction or use of the mark FRATELLI COMUNELLO SPA and any other distinctive sign on the Products is also prohibited, unless authorized in writing by

# FRATELLI COMUNELLO SPA.

# 12. EXPRESS TERMINATION CLAUSE

12.1 Pursuant to and for the purposes of Article 1456 of the Civil Code, late payment of more than ten days, or non-payment, even partial, of the Price by the Customer, in the manner referred to in Article 6 of these General Conditions of Sale, will result in the termination of the purchase contract, with the right for FRATELLI COMUNELLO SPA to ask the Customer for compensation for the damages suffered, in addition to the return of the Products for which the Customer has not paid the Price.

12.2 The communication referred to in the previous point will be sent by registered letter with return receipt or by certified email.

# 13. AGREEMENTS BETWEEN THE PARTIES

13.1 In the case of agreements, pre-existing or supervening, between FRATELLI COMUNELLO SPA and the Customer, in relation to returns and payment methods, these agreements will prevail over what is established in this regard by the General Conditions of Sale.

# 14. GOVERNING LAW AND JURISDICTION

14.1 Purchase contracts concluded according to the General Conditions of Sale are exclusively subject to Italian law, to the exclusion of any other legislation.

14.2 All disputes that may arise in relation to the aforementioned purchase contracts will be subject to Italian jurisdiction and referred to the exclusive jurisdiction of the Court of Vicenza, even if payment is agreed by bank receipt or direct debit with the Customer.

(Italy). The contents of this catalogue are subject to change at any time and without prior notice by Fratelli Comunello SPA.



NOTE



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Help Desk +39 0424 585 111

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# FRATELLI COMUNELLO S.P.A.

# **HEADQUARTERS**

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