

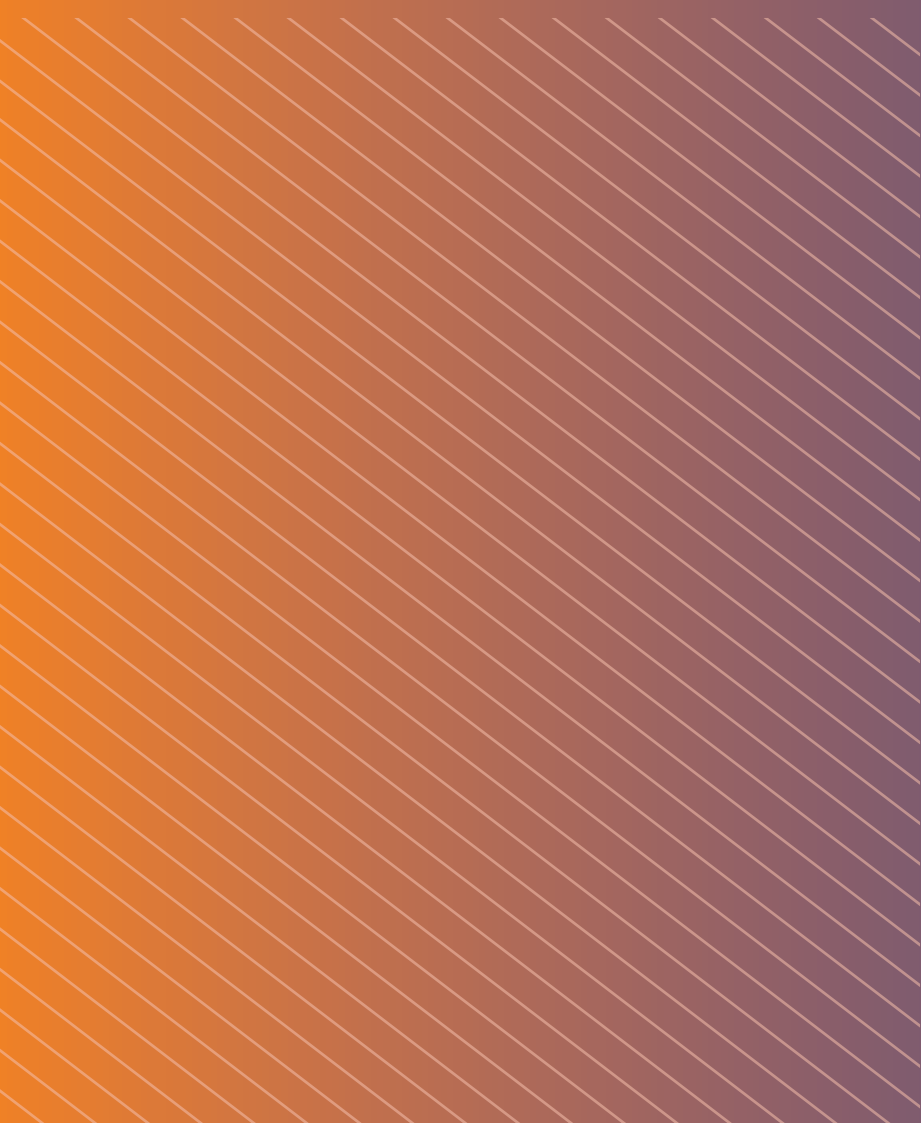
GENIUS[®]

CATALOGUE 2026

**AUTOMATED
SYSTEMS FOR GATES
GARAGES
INDUSTRIAL DOORS
BARRIERS**

2026

SIMPLE, SAFE,
PRACTICAL:
AUTOMATION IS
GENIUS



The simplicity
and reliability of
electromechanical
technology and the
quality guaranteed
by FAAC
Technologies
group.

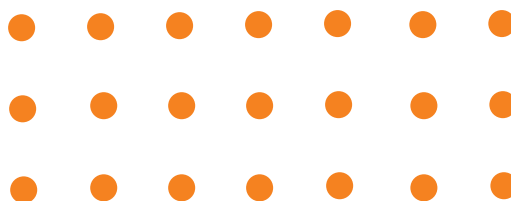
This is Genius, a brand with a strong consolidated expertise, whose products satisfy all the major needs in terms of automation systems for gates, roller shutters, sectional doors and automatic barriers.

An electromechanical technology has always been the core of Genius automations: versatility and ease of use make it the perfect solution for the most common applications. An effective response to the needs of customers who require easy installation, combined with practicality and safety.

Continuous discussion, comparing and exchanging experiences, ideas, skills and technologies have resulted in the development of a complete range of products that are now presented in this new catalogue.

Genius stands for quality and tradition:

the strength that comes from experience combined with the best of modern technology.



A RANGE OF PRODUCTS TO MEET ANY REQUIREMENT

Genius products meet the most common application requirements. Easy-to-use solutions, both for installers and end users.



SAFETY IN EVERY CONTEXT

With Genius, simplicity and essentiality are never to the detriment of safety. Devices such as the virtual encoder ensure maximum safety in every situation.



**Every installer
recognises**

the value
of Genius:

products that are simple to assemble
and configure, but strong in innovative
technologies, such as the G-Way (Bus
technology) interface.



QUALITY

GUARANTEED

We have always been driven by listening to the requests and needs of installers, technicians and end users: this allows us to maintain a high quality, both in terms of our products and our services.



Choosing Genius means being able to count on on excellent technical support, commercial and after-sales support.



TECHNICAL ASSISTANCE

Are you a professional installer and need technical support on Genius products?



Our team is made up of highly experienced technicians. They are committed to providing quality support for our customers, with dedicated phone lines that are manned by our very knowledgeable, friendly team you can be sure your technical query will be answered by an expert.

Please contact your local Distributor for immediate support:

- technical doubts about our products;
- information on operation and technical characteristics;
- questions about programming;
- clarification about wirings;
- advice on choosing the most suitable product for a new installation.



CUSTOMER SERVICE

Are you a customer and need sales support?

Please contact our local subsidiary

We are at your disposal for:

- sales orders management;
- information on the progress and delivery dates of material;
- dispatch of commercial and administrative documentation;
- logistical non-conformities support management;
- solving logistical and operational problems.



ELECTROMECHANICAL TECHNOLOGY

Electromechanical technology stands out for its simplicity of operation and ease of repair in case of malfunctions. Depending on the applications, automations are available with AC or DC motors.

AC Motors=



230VAC and 115VAC

motors with built-in thermal overload protection to protect the windings in case of overload.

DC Motors=



24VDC

brush motors without a thermal protection device on the motor. However, they do have electronic thermal protection managed by the 24VDC motor CONTROL UNITS. These allow the current and supply voltage to be adjusted, allowing:

- complete control of the operator, therefore making it easier to comply with current anti-crushing safety regulations (control is even more accurate when used together with PROcoder);
- maximum acceleration and deceleration ramp smoothness;
- high efficiency, which means less power dissipation;
- possibility of using back-up batteries in the event of a mains power failure.

Virtual Encoder



One advantage of 24V motors consists of an electronic control circuit that allows gate leaf slowdown and obstacle detection to be managed extremely accurately.

Motors having this feature (ENV) can only be controlled by the BRAIN 20 (swing gate) board.

G-WAY BUS



Exclusive connection with 2 non-polarised 24V wires for photocells and/or absolute encoders (PROcoder). It makes electrical connections easier as it only requires two wires, and allows up to 16 pairs of photocells (VEGA BUS), addressed using built-in dip-switches, to be installed on the same system. The addressing of the photocells makes it possible to avoid interference between the infrared signals of each pair of transmitters and receivers.

The BUS connection is found on the following boards:

- BRAIN 20 for 24V swing gate automations;
- Brain 19 LC for 230V swing gate automations;
- SPRINT M24 for 24V sliding gate automations.

Communication protocols

G-DEC



Integrated Genius universal radio signal decoding system.

Indicates the products having this system, which allows Genius radio controls to be memorised using RC (Rolling Code) and JLC (Jumping Learning Code) communication protocols.

RC

Rolling Code communication protocol is a dynamic code coding system. The code varies each time any button on the transmitter is pressed, and always remains synchronised with the information expected by the receiver. Transmitters can be added to automations where an RC radio control has already been programmed on the receiver.

JLC

Jumping Learning Code, a self-learning coding system. The code, which is generated by a complex algorithm, is always different for each activation and the PATENTED self-learning technology (from radio control to radio control without having to access the receiver) means that it can be duplicated on other radio controls.

PROcoder



Genius PROcoder is the result of combining two technologies, Encoder and G-WAY BUS. It is an optional safety accessory to add to automation.

PROcoder is an absolute BUS magnetic encoder that can be used for Genius swing gate automations.

Encoder =

extremely high precision leaf position detection system

Absolute =

leaf position detection is not subject to variations or memory losses in the event of a voltage drop or a power failure. This means that an automation fitted with an absolute encoder always knows exactly where the leaf is, compared to the many fitted with non-absolute encoders available on the market. So, after a power failure, there are no unusual movements.

Magnetic =

extremely high reading precision and therefore very high precision in detecting the point at which to stop (limit stop) and in the reverse sensitivity if an obstacle is detected.

BUS =

PROcoder requires only two cables to connect to G-WAY compatible boards.

PROcoder

Main functions and features

- allows regulatory anti-crushing safety (impact detection and direction reversal) requirements to be met without difficulty;
- allows the deceleration and stop points to be recognised precisely and automatically without the need for limit switches;
- prevents the automation from pushing against the mechanical stops, thereby increasing its use frequency and service life, and avoids wasting energy;
- allows mechanical stops to be eliminated by setting the required stop points manually;

Is PROcoder compatible with both 230V and 24V automations?

The 24V swing-leaf automations are fitted with a virtual encoder system as standard and therefore have excellent leaf movement control.

However, using it in conjunction with PROcoder:

- makes it even easier to comply with regulatory requirements in terms of anti-crushing safety;
- increases the leaf position reading precision.

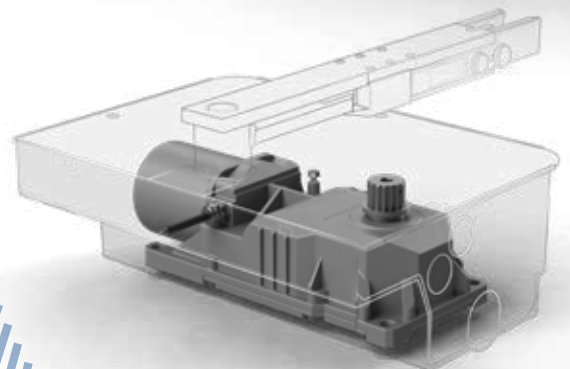
PROcoder can be used with BRAIN 20 electronic control units (for 24V swing-leaf gates) or Brain 19 LC (for 230V swing-leaf gates).

- it is a device that can be applied to compatible swing-leaf automations, both new and already installed, with no need to remove or change the size of the support brackets. This allows you to update existing automations to have PROcoder features, without having to replace the automation.

- it is installed on the rear bracket of linear operators or directly on the underground automation inside the foundation box;
- maximum resistance to atmospheric agents (especially water ingress) thanks to the resin-embedded electronics inside the enclosure.

Is PROcoder compatible with all Genius automations?

All linear external and underground swing gate automations are compatible with PROcoder



Falcon

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G-Bat

PAGE 26

Sirocco

PAGE 30

Blizzard
24V/230V

PAGE 16

Rainbow

PAGE 64

Trigon K

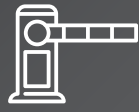
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Shutter

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Zodiac

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AUTOMATIC BARRIERS

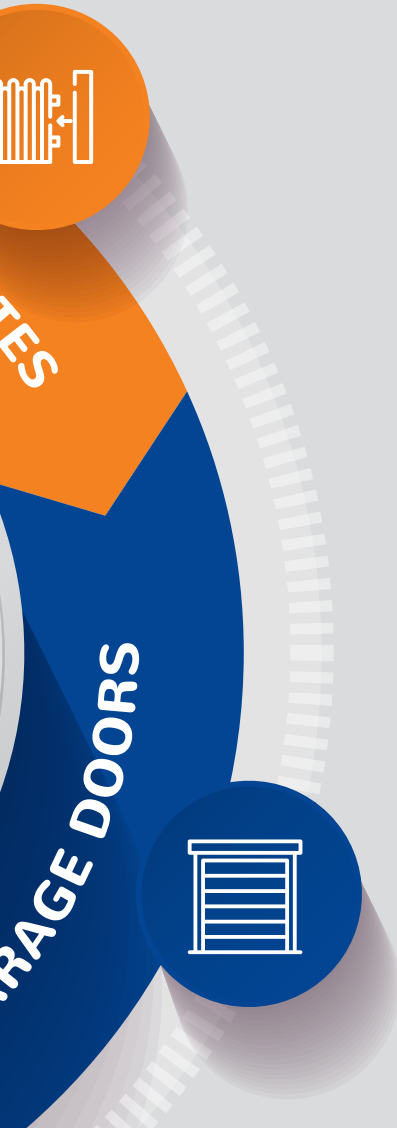
SLIDING GATE

GENIUS[®]
WORLD

INDUSTRIAL DOORS



GARAGE



Mistral

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Compas

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Trigon 02

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Roller

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230V



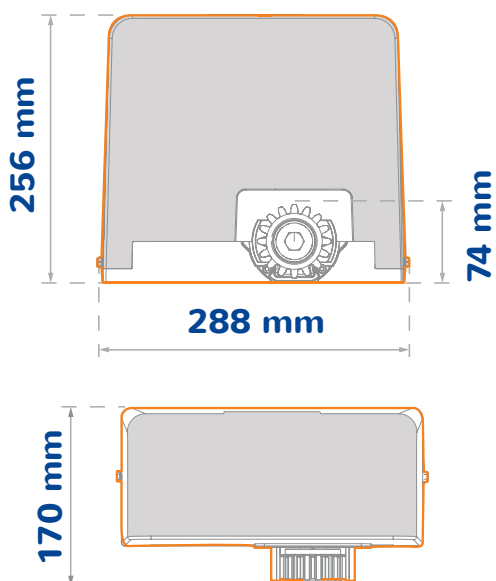
24V

BUILT-IN ENCODER



Easy to locate release device with key lock (optional)

Aluminium base



GEARMOTOR FOR SLIDING GATES

Magnetic limit switches.

Electronic control unit with transparent plastic enclosure and external programming buttons.

Wide selection of operating logics and parameters.

Compact.
Plenty of space inside for wiring, and flexibility for height and depth adjustment

230V

Available in versions for gates up to 500-900 kg.

Sturdy and reliable inner kinematic mechanism.

CONTROL BOARDS

Sprint 382 S Page 78

24V

Available in versions for gates up to 400 kg.

Complete movement control and effective reverse on obstacle response.

CONTROL UNITS

Sprint M24 Page 79

230V

Code	Name	Version	Voltage	Leaf Weight	Use
61100821	Blizzard 500 C ENC	Non-reversible – integrated Sprint 382 S and built-in Encoder	230V	500 kg	Residential buildings/ Apartment complexes
61100861	Blizzard 900 C ENC	Non-reversible – integrated Sprint 382 S	230V	900 kg	Residential buildings/ Apartment complexes

TECHNICAL CHARACTERISTICS	Blizzard 500 C ENC	Blizzard 900 C ENC
Power supply (V)	230	
Electric motor (V)	230	
Nominal power (W)	250	540
Thermal protection (°C)	140 (automatic rearming)	
Capacitor (µF)	10	12.5
Max. thrust force (N)	390	590
Pinion type	Z16 mod.4	
Leaf speed (m/min)	12	
Use frequency at 20°C	S3 - 40%	
Operating temperature (°C)	-20°C to +55°C	
Protection rating	IP44	
Weight (kg)	9.2	10

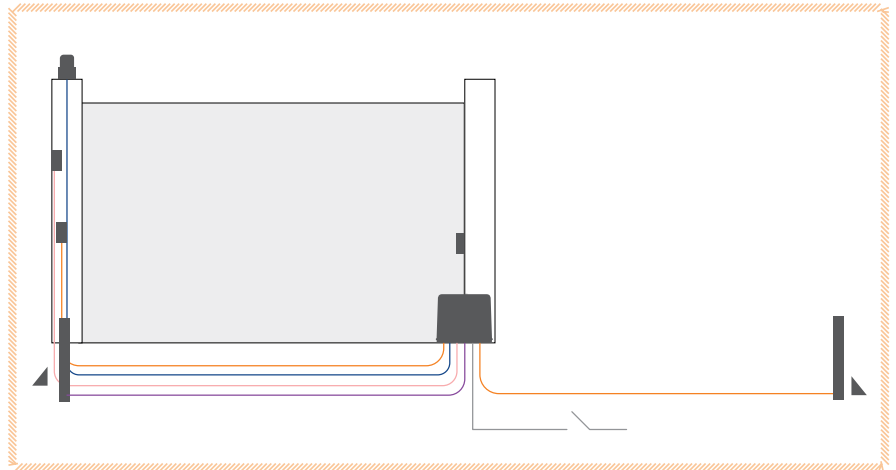
24V

Code	Name	Version	Voltage	Leaf Weight	Use
6110080	BLIZZARD 400 C ENC	Non-reversible – integrated Sprint M24	24V	400 kg	Residential buildings/ Apartment complexes

TECHNICAL CHARACTERISTICS	Blizzard 400 C ENC
Power supply (V)	230
Electric motor (V)	24
Nominal power (W)	140
Max. thrust force (N)	310
Pinion type	Z16 mod.4
Leaf speed (m/min)	12
Use frequency at 20°C	Continuous
Operating temperature (°C)	-20°C to +55°C
Protection rating	IP44
Weight (kg)	7

WIRING INSTALLATION DIAGRAM

- Line: 3x1.5 mm²
- Flashing light: 2x1.5 mm²
- Selector: 2x0.5 mm²
- Photocell TX: 2x0.5 mm²
- Photocell RX: 4x0.5 mm²



STANDARD INSTALLATION - 230 V

Qty.	Material description	Part number	
1	Gearmotor - BLIZZARD 500 C ENC	61100821	
1	Foundation plate	737000	
4 m	Galvanised rack 30x12 with weld on fittings	JA146	
1	Single channel plug-in receiver 868 MHz LC	6100367	
1	Two-channel transmitter Kilo N TX2	787034	
1	Flashing light GUARD 230V	6100315	
1	Pair of VEGA photocells	6100147	
1	QUICK 1 external key button	JA31101-10	

STANDARD INSTALLATION - 24 V

1	Gearmotor - BLIZZARD 400 C ENC with built-in control board and encoder	6110080	
1	Foundation plate	737000	
4 m	Galvanised rack 30x12 with weld on fittings	JA146	
1	Frequency module RQFZ 868 MHz	6100347	
1	Two-channel transmitter Kilo N TX2	787034	
1	Flashing light GUARD 24 V	6100316	
1	Pair of VEGA BUS LC Photocells	6100372	
1	QUICK 1 external key button	JA31101-10	

ACCESSORIES



RACK
1m galvanised steel 30 x 12 mm¹.
Price per metre.

Code JA146



SCREWS
Kit of 4 screw-in fastening screws for 1 m of rack - 4-kit pack (combine with 6100344)

Code 6100345



NYLON RACK 30x20 MOD. 4 WITH STEEL CORE
pack of 4 pieces, 1 m ea.
Price per metre.

Code 6100344



LOCK
Release lock with personalised key

Code 424413



SPACERS
Kit of 3 spacers and M8x30 fixing screws, weld-on, for 1 m of rack² (price per kit)

Code JA147



FOUNDATION PLATE

Code 737000



SPACERS
Kit of 3 spacers and M8x50 fixing screws, screw-on, for 1 m of rack² (price per kit)

Code JA148



MILORD ADAPTER PLATE

Code 737001



FALCON ADAPTER PLATE

Code 737003

1 - pack of 6 m.
2 - pack of 6 kits.

IN ADDITION FOR BLIZZARD 24 V



BATTERY KIT
Complete with charging board.

Code 390923



KIT FOR SLIDING GATES



BLIZZARD ENC KIT 500

Kit suitable for motorising sliding gates with a maximum weight of 500 kg, complete with accessories.

BLIZZARD ENC KIT 900

Kit suitable for motorising sliding gates with a maximum weight of 900 kg, complete with accessories.

COMPLETE KIT: Blizzard ENC kit 900/ Blizzard ENC kit 500

Code	Model	Voltage	Leaf max.
104015	Blizzard ENC KIT 900 - frequency 433 MHz - RC	230V	900 kg
104002	Blizzard ENC KIT 900 - frequency 868 MHz - JLC	230V	900 kg
104014	Blizzard ENC KIT 500 - frequency 433 MHz - RC	230V	500 kg
104001	Blizzard ENC KIT 500 - frequency 868 MHz - JLC	230V	500 kg

Code	Name	Qty.
61100861	Electromechanical operator - Blizzard ENC 900 (with Sprint 382 S control board, built-in encoder and lock-protected release device)	1
737000	Foundation plate	1
787034 6100334	Two-channel transmitter Kilo N TX2 Four-channel transmitter ECHO TX4 RC	1
6100147	Pair of Vega Photocells	1
JA31101	Quick 1 key selector	1
6100315	Flashing LED light - GUARD 230V	1
6100367 6100366	Single channel plug-in receiver 868 MHz LC Single channel plug-in receiver 433 MHz LC	1
-	Warning sign	1
-	Installation accessories	1
-	Assembly instructions	1

INDIVIDUAL COMPONENTS OF THE KIT:

104015 BLIZZARD ENC KIT 900
frequency 433 MHz - RC
104002 BLIZZARD ENC KIT 900
frequency 868 MHz - JLC

Code	Name	Qty.
61100821	Electromechanical operator Blizzard ENC 500 (with Sprint 382 S control board built-in encoder and lock-protected release device)	1
737000	Foundation plate for Blizzard	1
787034 6100334	Two-channel transmitter Kilo N TX2 Four-channel transmitter ECHO TX4 RC	1
6100147	Pair of Vega Photocells	1
JA31101	Quick 1 key selector	1
6100315	Flashing LED light - Guard 230V	1
6100367 6100366	Single channel plug-in receiver 868 MHz LC Single channel plug-in receiver 433 MHz LC	1
-	Warning sign	1
-	Installation accessories	1
-	Assembly instructions	1

INDIVIDUAL COMPONENTS OF THE KIT:

104014 BLIZZARD ENC KIT 500
frequency 433 MHz - RC
104001 BLIZZARD ENC KIT 500
frequency 868 MHz - JLC



KIT FOR SLIDING GATES

BLIZZARD ENC KIT 400

Kit suitable for motorising sliding gates with a maximum weight of 400 kg, complete with accessories.

KIT



COMPLETE KIT:

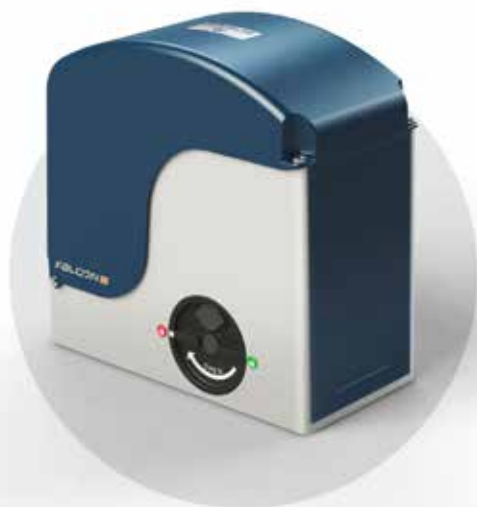
Code	Model	Voltage	Leaf max.
104005	Blizzard ENC KIT 400 - frequency 868 MHz - JLC	24V	400 kg

INDIVIDUAL COMPONENTS OF THE KIT:
104005 BLIZZARD ENC KIT 400
FREQUENCY 868 MHZ - JLC

Code	Name	Qty.
6110080	Electromechanical operator - Blizzard ENC 400 (with Sprint 24 control board, built-in encoder and lock-protected release device)	1
737000	Foundation plate for Blizzard	1
6100372	Pair of VEGA BUS LC Photocells	1
787034	Two-channel transmitter Kilo N TX2	1
JA31101	Quick 1 key selector	1
6100347	Frequency module RQFZ 868 MHz	1
6100316	Flashing LED light - GUARD 24V	1
-	Warning sign	1
-	Installation accessories	1
-	Assembly instructions	1



Polyester powder coated aluminium gearmotor body and ABS coated casing



GEARMOTOR FOR SLIDING GATES

Available in 230V version for leaves of up to 1400 - 2000 kg

Allows an obstacle detection encoder to be installed.

Release system with personalised key.

Internal kinematic mechanism consisting of a bronze crown wheel and a steel worm-screw.

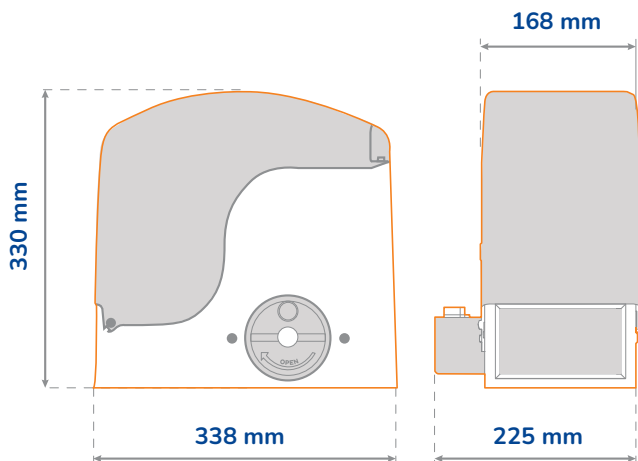
Magnetic limit switches.

Electronic control unit with transparent plastic enclosure and external programming buttons.

Rotating control panel for easier programming.

Polyester powder coated body.

It is compatible with the optional XLC module, which reduces standby power consumption to 0.5W.



CONTROL UNITS

Sprint 382 S Page 78

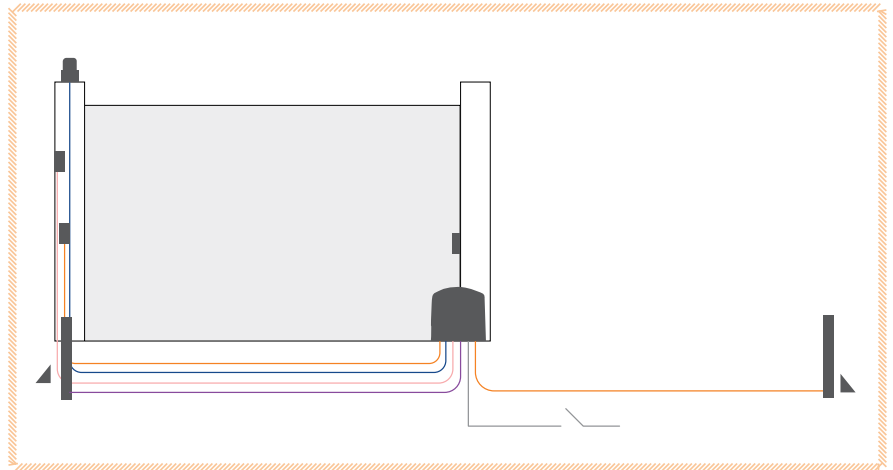
Code	Name	Version	Voltage	Leaf Weight	Use
6110002	Falcon M14 C	Non-reversible - integrated Sprint 382 S	230V	1400 kg	Industrial
6110022	Falcon M20 C	Non-reversible - integrated Sprint 382 S	230V	2000 kg	Industrial

TECHNICAL CHARACTERISTICS

	Falcon M14	Falcon M20
Power supply (V)		230
Electric motor (V)		230
Nominal power (W)	650	800
Current (A)	2.80	3.5
Thermal protection (°C)		140
Capacitor (µF)	16	20
Torque Max. (Nm)	35	45
Thrust on pinion (daN)	110	150
Pinion type		Z16 mod. 4
Angular speed (m/min)		10
Use frequency at 20°C		S3 - 40%
Operating temperature (°C)		-20°C to +55°C
Protection rating		IP44
Weight (kg)	14	15

WIRING INSTALLATION DIAGRAM

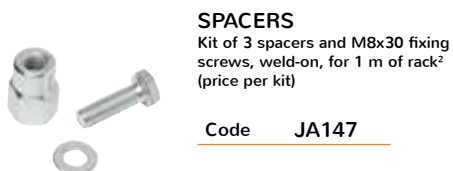
- Line: 3x1.5 mm²
- Motor*: 4x1.5 mm²
- Flashing light: 2x1.5 mm²
- Selector: 2x0.5 mm²
- Photocell TX: 2x0.5 mm²
- Photocell RX: 4x0.5 mm²



STANDARD INSTALLATION

Qty.	Material description	Part number
1	Gearmotor - FALCON M14C with built-in control board, and foundation plate	6110002
4 m	Galvanised rack 30x12 with weld on fittings	JA146
1	Single channel plug-in receiver 868 MHz LC	6100367
1	Two-channel transmitter Kilo N TX2	787034
1	Flashing light - GUARD 230V	6100315
1	Pair of VEGA photocells	6100147
1	QUICK 1 external key button	JA31101-10
1	Pair of ORION photocells	JA310
2	Column for photocell	401070
2	Foundation plate for column	737100

ACCESSORIES





G-BAT



230V



24V



ENV



G-WAY
BUS



G-DEC



Easy automation release



Sturdy internal kinematic mechanism that guarantees high durability over time

640 mm (G-Bat 300-324 ENV)

735 mm (G-Bat 400)



ACTUATOR FOR SWING GATES

Actuator with in-line thrust.

Available in versions 230V and 24V.

The 24V model is fitted with the ENV (Virtual Encoder) function as standard.

Leaves up to 3 m (230V and 24V) and 4 m (230V only).

G-WAY SYSTEM

24V version (with the Brain 20 board) or 230V version (with the Brain 19 LC board).

G-DEC SYSTEM

24V version (with the Brain 20 board) or 230V version (with the Brain 19 LC board).

PRO-CODER

Optional safety accessory (with Brain 19 LC and Brain 20 board).

KINEMATIC MECHANISM

internal, consisting of a bronze crown wheel and a steel worm-screw.

SLOWDOWN

when opening and closing on both versions.
Possibility of adding a rod cover housing.

CONTROL UNITS

Brain 19 LC Page 74
Brain 20 Page 76

Code	Name	Version	Voltage	Leaf max.	Use
6170026	G-Bat 300 RH	Non-reversible right	230V	3 m	Residential
6170027	G-Bat 300 LH	Non-reversible left	230V	3 m	Residential
6170030	G-Bat 400 RH	Non-reversible right	230V	4 m	Residential
6170031	G-Bat 400 LH	Non-reversible left	230V	4 m	Residential
6170038	G-Bat 324 ENV RH	Non-reversible right	24V	3 m	Residential
6170039	G-Bat 324 ENV LH	Non-reversible left	24V	3 m	Residential

TECHNICAL CHARACTERISTICS

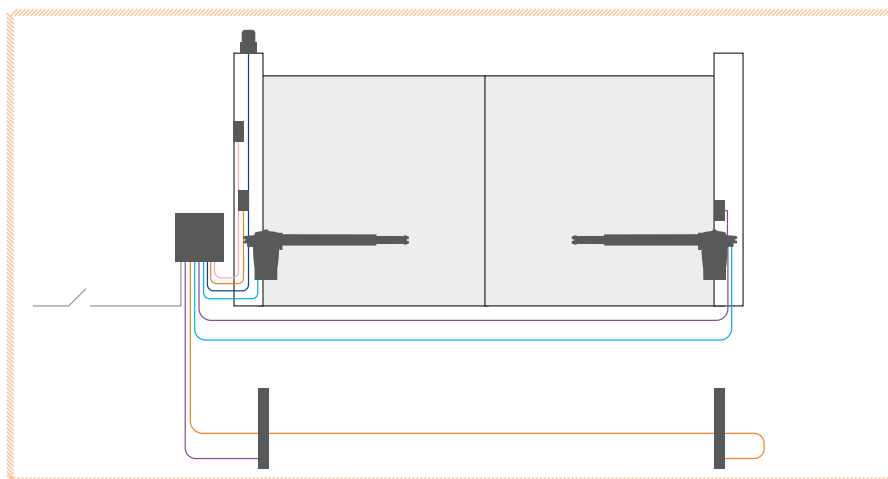
	G-Bat 300	G-Bat 400	G-Bat 324 ENV
Power supply (V)	230		230
Electric motor (V)	230		24
Nominal power (W)	280		35
Current (A)	1.2		-
Thermal protection (°C)	140		-
Thrust capacitor (µF)	8		-
Thrust (daN)	350		150
Travel (mm)	300	400	300
Max. speed (cm/sec.) ¹	1.6		2.1
Use frequency at 20°C	S3 - 30%		Continuous
Operating temperature (°C)	-20°C to +55°C		
Protection rating	IP54		
Weight (kg)	6.5	7	7.5

1 - The max. rod exit speed can change according to the weight and friction of the gate.
For leaves over 2.5 m, it is mandatory to install an electric lock in order to ensure leaf locking.

WIRING INSTALLATION DIAGRAM

- Line: 3x1.5 mm²
- Motor*: 4x1.5 mm²
- Flashing light: 2x1.5 mm²
- Selector: 2x0.5 mm²
- Photocell TX: 2x0.5 mm²
- Photocell RX: 4x0.5 mm²

* For 24Vdc motors, use 2x2.5 mm² cables - maximum distance between motor and control unit 10 m.



STANDARD INSTALLATION

Qty.	Material description	Part number
1	Actuator - G-BAT 300 RH	6170026
1	Actuator - G-BAT 300 LH	6170027
1	Electronic control unit Brain 19 LC	6100329
1	Board enclosure	JA320
1	Frequency module RQFZ 868 MHz	6100347
1	Two-channel transmitter Kilo N TX2	787034
1	Flashing light - GUARD 230V	6100315
1	Pair of VEGA photocells	6100147
1	QUICK 1 external key button	JA31101-10
1	Pair of ORION photocells	JA310
2	Column for photocell	401070
2	Foundation plate for column	737100

ACCESSORIES

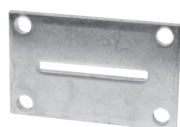


PLATE
Kit of 6 fixing plates.
110x70x5 mm.

Code **58P0199**



BATTERY KIT
Complete with charging board.
For 24V models only

Code **390923**



BRACKET
Kit containing 6 rear brackets h.160 mm.

Code **6100253**
Euro **27,50**



COVERS
2 Rod covers
For G-BAT 300 and 324 ENV

Code **6100254**



BRACKET
Kit containing 6 rear brackets h.130 mm.
NOT for 324 ENV

Code **6100043**



PROcoder G-BAT

Code **6100324**



KIT FOR TWO-LEAF SWING GATES

Kit suitable for motorising two-leaf swing gates having a maximum width of 3.00 m, complete with accessories.

ACCESSORIES



COVERS
2 Rod covers
For G-BAT 300 and 324 ENV
Code **6100254**



Procoder G-Bat
For Kit 51701281
Code **6100324**

COMPLETE KIT:

Code	Model	Voltage	Leaf max.
51701271	G-Bat Kit - frequency 433 MHz - RC	230V	3 m
51701281	G-Bat Kit - frequency 868 MHz - JLC	230V	3 m

INDIVIDUAL COMPONENTS OF THE KIT:
51701271 G-BAT KIT -
FREQUENCY 433 MHz - RC

Code	Name	Qty.
6170026	Electromechanical operator - G-Bat 300 RH	1
6170027	Electromechanical operator - G-Bat 300 LH	1
JA592	Control Board Brain 592	1
JA320	Control unit enclosure	1
6100366	Single channel plug-in receiver 433 MHz LC	1
6100334	Four-channel Transmitter Echo TX 4	1
6100147	Pair of Vega Photocells	1
JA31101	Quick 1 key selector	1
6100315	Flashing LED light - GUARD 230V	1
-	Warning sign	1
-	Kit installation accessories	1
-	Assembly instructions	1

INDIVIDUAL COMPONENTS OF THE KIT:
51701281 G-BAT KIT -
FREQUENCY 868 MHz - JLC

Code	Name	Qty.
6170026	Electromechanical operator - G-Bat 300 RH	1
6170027	Electromechanical operator - G-Bat 300 LH	1
6100329	Control Board Brain 19 LC	1
JA320	Control unit enclosure	1
787034	Two-channel transmitter Kilo N TX2	1
6100147	Pair of Vega Photocells	1
JA31101	Quick 1 key selector	1
6100315	Flashing LED light - GUARD 230V	1
6100347	Frequency Module RQFZ, 3-PIN plug-in, 868 MHz	1
-	Warning sign	1
-	Kit installation accessories	1
-	Assembly instructions	1

KIT



230V

G-BAT

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GENIUS



230V



24V



ENV



G-WAY
BUS



G-DEC



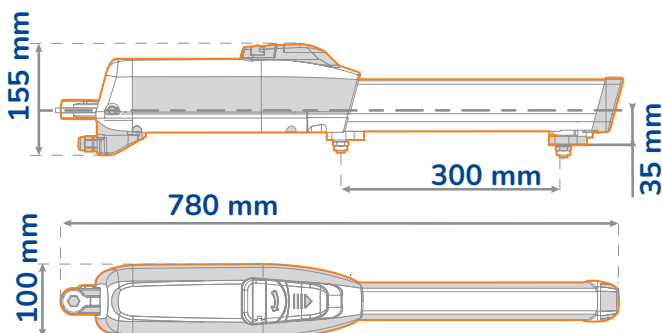
Lock-protected
release device

Double coated
aluminium body for
greater durability



Floating Bracket

Horizontal cable
outlet that makes
installation close to
the ground easier



ACTUATOR FOR SWING GATES

Actuator with off-axis thrust.

Available in versions
230V and 24V.

The 24V model is fitted with the
ENV (Virtual Encoder) function as
standard.

Leaves up to 2.5 metres.

G-WAY SYSTEM

24V version (with the Brain 20 board)
230V version (with the Brain 19 LC
board).

G-DEC SYSTEM

24V version (with the Brain 20 board)
230V version (with the Brain 19 LC
board).

PRO-CODER

Optional safety accessory (with Brain
19 LC and Brain 20 board).

KINEMATIC MECHANISM

internal, consisting of a bronze
crown wheel and a steel worm-screw.

SLOWDOWN

when opening and closing on both
versions.

CONTROL BOARDS

Brain 19 LC Page 74
Brain 20 Page 76

Code	Name	Version	Voltage	Leaf max.	Use
6170124	Sirocco 250	Non-reversible	230V	2.5 m	Residential buildings / blocks of flats
6170126	Sirocco 2524	Non-reversible	24V	2.5 m	Residential buildings / blocks of flats

TECHNICAL CHARACTERISTICS

	Sirocco 250	Sirocco 2524
Power supply (V)	230	230
Electric motor (V)	230	24
Nominal power (W)	250	70
Current (A)	1.1	3
Thermal protection (°C)	140	-
Thrust capacitor (µF)	6.3	-
Thrust (daN)	200	250
Travel (mm)	300 (350 mm without mechanical stops)	
Max. speed (cm/sec.) ¹	1.6	
Use frequency at 20°C	S3 - 30%	continuous
Operating temperature (°C)	-20°C to +55°C	
Protection rating	IP54	
Weight (kg)	6.5	

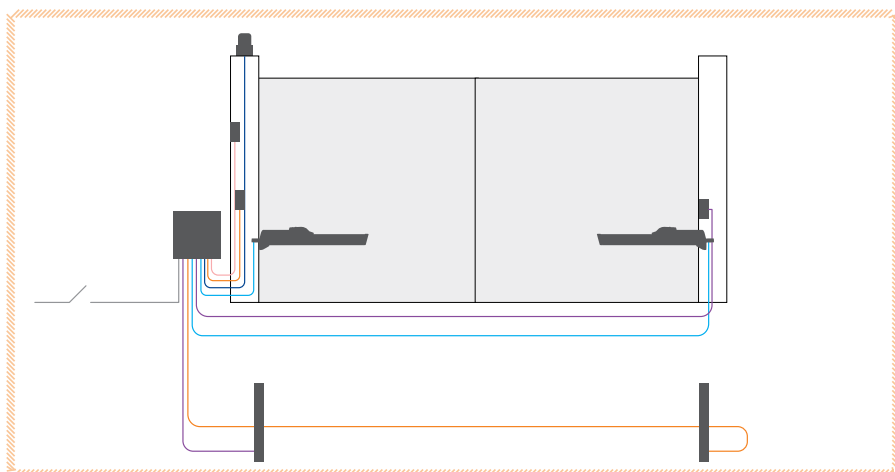
N.B.

For leaves over 1.80 m, it is mandatory to install an electric lock in order to ensure leaf locking.

WIRING INSTALLATION DIAGRAM

- Line: 3x1.5 mm²
- Motor*: 4x1.5 mm²
- Flashing light: 2x1.5 mm²
- Selector: 2x0.5 mm²
- Photocell TX: 2x0.5 mm²
- Photocell RX: 4x0.5 mm²

* For 24Vdc motors, use 2x2.5 mm² cables - maximum distance between motor and control unit 10 m.



STANDARD INSTALLATION

Qty.	Material description	Part number	
2	Actuator - SIROCCO 250	6170124	
1	Electronic control unit Brain 19 LC	6100329	
1	Board enclosure	JA320	
1	Frequency module RQFZ 868 MHz	6100347	
1	Two-channel transmitter Kilo N TX2	787034	
1	Flashing light - GUARD 230V	6100315	
1	Pair of VEGA photocells	6100147	
1	QUICK 1 external key button	JA31101-10	
1	Pair of ORION photocells	JA310	
2	Column for photocell	401070	
2	Foundation plate for column	737100	

ACCESSORIES



PLATE
Kit of 6 fixing plates.
110x70x5 mm.

Code **58P0199**



BATTERY KIT
Complete with charging board.
For 24V models only

Code **390923**



BRACKET
Kit containing 6 rear brackets h.160 mm.

Code **6100253**



PROcoder

Code **6100373**



MISTRAL



230V



24V



ENV



G-WAY
BUS



G-DEC



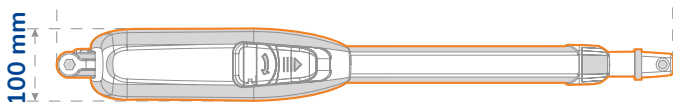
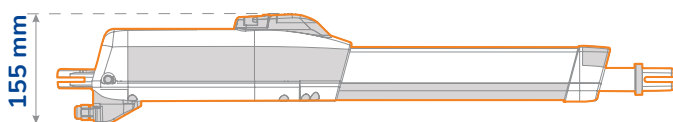
Lock-protected
release device

Double coated
aluminium body for
greater durability



Floating Bracket

Horizontal cable
outlet that makes
installation close to
the ground easier



ACTUATOR FOR SWING GATES

Operator with in-line thrust for
leaves up to 4 metres.

Available in versions
230V and 24V.

The 24V model is fitted with the
ENV function (Virtual Encoder) as
standard.

Reversible version also available.

G-WAY SYSTEM

24V version (with the Brain 20
board) or 230V version
(with the Brain 19 LC board).

G-DEC SYSTEM

24V version (with the Brain 20
board) or 230V version
(with the Brain 19 LC board).

PRO-CODER

Safety accessory (with Brain 19
LC and Brain 20 board).

KINEMATIC MECHANISM

internal, consisting of a bronze
crown wheel and a steel worm-
screw.

SLOWDOWN

when opening and closing on
both versions.

CONTROL UNITS

Brain 19 LC Page 74
Brain 20 Page 76

Code	Name	Version	Voltage	Leaf max.	Use
6170116	Mistral 300	Non-reversible	230V	3 m	For block of flats
6170120	Mistral 400	Non-reversible	230V	4 m	For block of flats
6170178	Mistral T324 ENV	Non-reversible	24V	3 m	Residential
6170045	Mistral 300 R	Reversible	230V	3 m	For block of flats

TECHNICAL CHARACTERISTICS

	Mistral 300	Mistral 300 R	Mistral 400	Mistral 400 R	Mistral T324 ENV
Power supply (V)	230				230
Electric motor (V)	230				24
Nominal power (W)	300				35
Current (A)	1.3				3
Thermal protection (°C)	140				-
Thrust capacitor (µF)	8	6.3	8	6.3	-
Thrust (daN)	300	280	300	280	150
Travel (mm)	300		400		300
Max. speed (cm/sec.) ¹	1.6				2.1
Use frequency at 20°C	S3 - 30%		S3 - 30%		continuous
Operating temperature (°C)	-20°C to +55°C	-10 +55	-20°C to +55°C	-10 +55	-20°C to +55°C
Protection rating	IP54				
Weight (kg)	7.8		8		7.5

N.B.

For leaves over 2.5 m, it is mandatory to install an electric lock in order to ensure leaf locking. R models must always be combined with an electric lock.

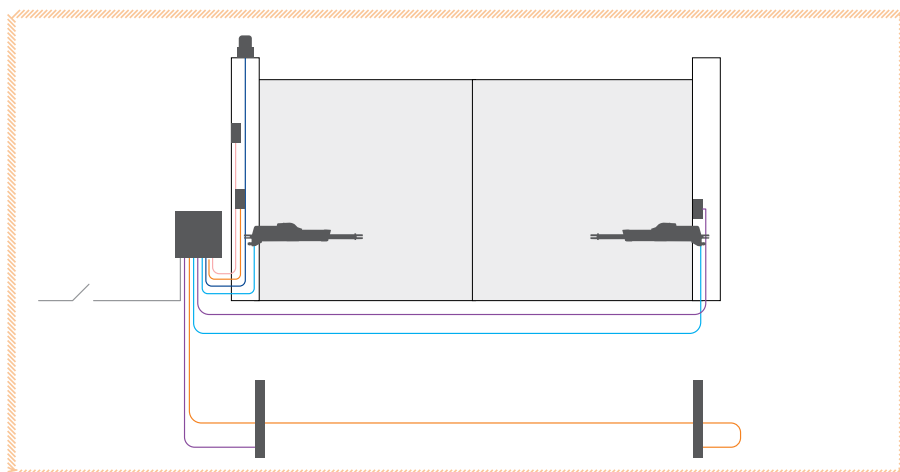
For models 400 with leaves over 3 m, it is mandatory to install an electric lock in order to ensure leaf locking. R models must always be combined with an electric lock.

Two motors can be installed per leaf for R models, in order to provide greater thrust.

WIRING INSTALLATION DIAGRAM

- Line: 3x1.5 mm²
- Motor*: 4x1.5 mm²
- Flashing light: 2x1.5 mm²
- Selector: 2x0.5 mm²
- Photocell TX: 2x0.5 mm²
- Photocell RX: 4x0.5 mm²

* For 24Vdc motors, use 2x2.5 mm² cables - maximum distance between motor and control unit 10 m.



STANDARD INSTALLATION

Qty.	Material description	Part number
2	Actuator - MISTRAL 300	6170116
1	Electronic control unit Brain 19 LC	6100329
1	Board enclosure	JA320
1	Frequency module RQFZ 868 MHz	6100347
1	Two-channel transmitter Kilo N TX2	787034
1	Flashing light - GUARD 230V	6100315
1	Pair of VEGA photocells	6100147
1	QUICK 1 external key button	JA31101-10
1	Pair of ORION photocells	JA310
2	Column for photocell	401070
2	Foundation plate for column	737100

ACCESSORIES

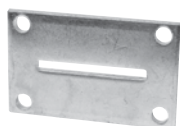


PLATE
Kit of 6 fixing plates.
110x70x5 mm.

Code **58P0199**



BATTERY KIT
Complete with charging board.
For 24V models only

Code **390923**



BRACKET
Kit containing 6 rear brackets h.130 mm.

Code **6100043**



PROcoder

Code **6100373**



KIT FOR TWO-LEAF SWING GATES

Kit suitable for motorising two-leaf swing gates having a maximum width of 3.00 m, complete with accessories.

ACCESSORIES



PROcoder - 6100373
(for KIT 51700931)

KIT



COMPLETE KIT:

Code	Model	Voltage	Leaf max.
51700781	Mistral Kit - frequency 433 MHz - RC	230V	3 m
51700931	Mistral Kit - frequency 868 MHz - JLC	230V	3 m

INDIVIDUAL COMPONENTS OF THE KIT:
51700781 MISTRAL KIT -
FREQUENCY 433 MHZ - RC

Code	Name	Qty.
6170116	Electromechanical operators Mistral 300	2
JA592	Control Board Brain 592	1
JA320	Control unit enclosure	1
6100334	Four-channel transmitter ECHO TX4 RC	1
6100147	Pair of Vega Photocells	1
6100366	Single channel plug-in receiver 433 MHz LC	1
6100315	Flashing LED light - GUARD 230V	1
JA311	Quick 1 key selector	1
-	Warning sign	1
-	Installation accessories	2
-	Assembly instructions	1
-	Assembly instructions	1

INDIVIDUAL COMPONENTS OF THE KIT:
51700931 MISTRAL KIT -
FREQUENCY 868 MHZ - JLC

Code	Name	Qty.
6170116	Electromechanical operators Mistral 300	2
6100329	Control Board Brain 19 LC	1
JA320	Control unit enclosure	1
787034	Two-channel transmitter Kilo N TX2	1
6100147	Pair of Vega Photocells	1
JA31101	Quick 1 key selector	1
6100315	Flashing LED light - GUARD 230V	1
6100347	Frequency Module RQFZ, 3-PIN plug-in, 868 MHz	1
-	Warning sign	1
-	Installation accessories	2
-	Assembly instructions	1
-	Assembly instructions	1



24V

G-WAY
BUS

G-DEC

Anti-shearing
arms



NEW



ACTUATOR FOR SWING GATES

Leaves up to 2.5 metres

Fitted with the ENV function
(Virtual Encoder)

Release system and access with
personalised key

Integrated adjustable opening
and closing mechanical limit stops

Allows installation also on large
pillars.



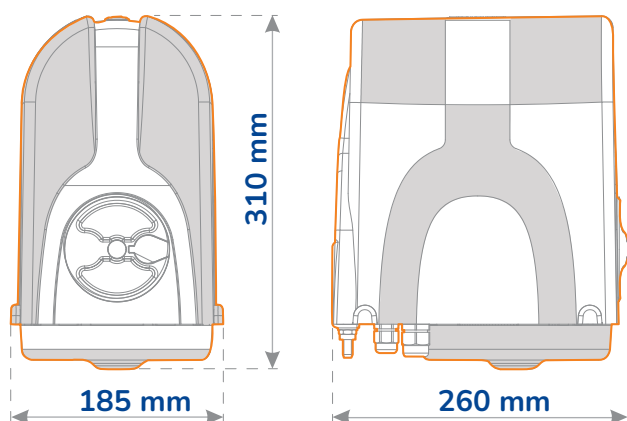
Release system
with
personalised key

G-WAY SYSTEM

with Brain 20 control unit

G-DEC SYSTEM

with Brain 20 control unit




CONTROL UNITS

Brain 20

Page 76

Code	Name	Version	Voltage	Leaf max.	Use
6170195	Compas 24	Non-reversible	24V	2.5 m	Residential
6170194	Compas 24 C	Non-reversible with Brain 20 control unit	24V	2.5 m	Residential

TECHNICAL CHARACTERISTICS

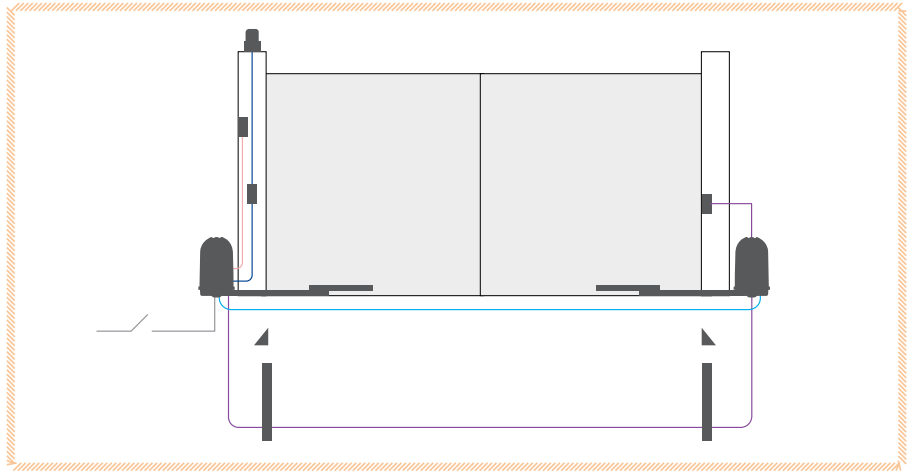
	Compas 24 C	Compas 24
Power supply (V)	220-240 V~ @50/60 Hz	/
Electric motor (V)	24 V 	
Absorbed power (W)	200	50
Stand-by power (W)	10	
Fuse	5x20 2A-250 V~	/
Max. Torque (Nm)	300	
Angular speed (°/sec)	8.5	
Leaf length Min/Max.	0.5/2.5 m*	
Leaf weight Max. (kg)	350	
Max. leaf opening angle	120°	
Use frequency	Continuous use	
Use	Residential	
IP rating	IP44	
Operating ambient temperature	-20°C to +65°C	
Sound pressure LpA	≤ 70 dB (A)	
Weight (kg)	11.7	9

*For L > 2m leaf length installations please foresee an electric lock to ensure leaf block.

WIRING INSTALLATION DIAGRAM

- Line: 3x2.5 mm²
- Motor*: 4x1.5 mm²
- Flashing light: 2x1.5 mm²
- Selector: 2x0.5 mm²
- BUS connection: 2x0.5 mm²

* Maximum distance between motor and control unit 10 m.



STANDARD INSTALLATION

Qty.	Material description	Part number	
1	Actuator - Compas 24 C - electronic control unit and articulated arm	6170194	
1	Actuator - Compas 24 with articulated arm	6170195	
1	Frequency module RQFZ 868 MHz	6100347	
1	Two-channel transmitter Kilo N TX2	787034	
1	Flashing light - GUARD 24V	6100316	
2	Pair of VEGA BUS LC Photocells	6100372	
1	QUICK 1 external key button	JA31101-10	
2	Column for photocell	401070	
2	Foundation plate for column	737100	

ACCESSORIES



RADIO FREQUENCY MODULES
RQFZ 3PIN for GENIUS.
433 MHz

Code **6100346**

868 MHz

Code **6100347**



ARMO2 KEY
SELECTOR WITH
LEVER RELEASE

Code **6100340**



BATTERY KIT
Complete with charging board

Code **390923**



RELEASE KIT
To be combined with ARMO2

Code **424001**



XUSB
Firmware update interface

Code **202274**



XLC MODULE
Low consumption kit

Code **390130**

TRIGON 02



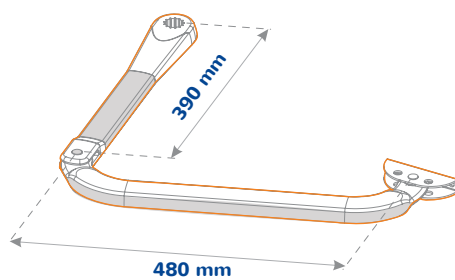
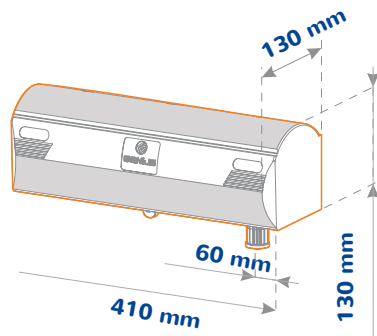
230V

ENV



G-WAY
BUS

G-DEC



ACTUATOR FOR SWING GATES

Leaves up to 3 metres.

Transmission arm designed to prevent shearing.

Allows installation also on large pillars.

G-WAY SYSTEM
(with Brain 19 LC board).

G-DEC SYSTEM
(with Brain 19 board).

CONTROL BOARDS

Brain 19 LC Page 74

Code	Name	Version	Voltage	Leaf max.	Use
6170150	Trigon 02	Non-reversible (arm included)	230V	3 m	Residential

TECHNICAL CHARACTERISTICS

	Trigon 02
Power supply (V)	230
Electric motor (V)	230
Nominal power (W)	280
Current (A)	1.2
Thermal protection (°C)	140
Capacitor (µF)	8
Torque Max. (Nm)	250
Angular speed (°/sec)	8
Leaf opening time to 90° (sec.) ¹	18
Use frequency at 20°C	S3 - 30%
Operating temperature (°C)	-20°C to +55°C
Protection rating	IP44
Weight (kg)	11.5

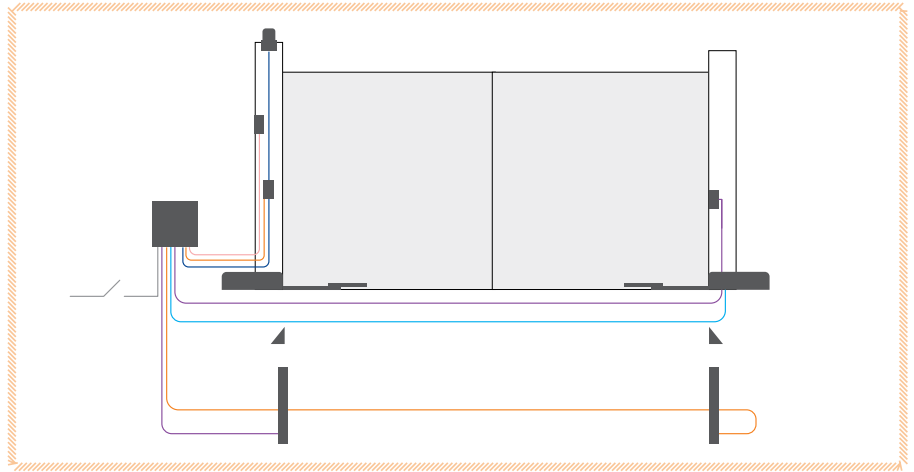
N.B.

1 - Opening time and max. leaf dimensions calculated for correctly implemented installations at the distances indicated in the assembly instructions and without slow-downs.

For leaves over 2 m, it is mandatory to install an electric lock in order to ensure leaf locking.

WIRING INSTALLATION DIAGRAM

- Line: 3x1.5 mm²
- Motor*: 4x1.5 mm²
- Flashing light: 2x1.5 mm²
- Selector: 2x0.5 mm²
- Photocell TX: 2x0.5 mm²
- Photocell RX: 4x0.5 mm²



STANDARD INSTALLATION

Qty.	Material description	Part number
2	Actuators - TRIGON 02	6170150
1	Electronic control unit Brain 19 LC	6100329
1	Board enclosure	JA320
1	Frequency module RQFZ 868 MHz	6100347
1	Two-channel transmitter Kilo N TX2	787034
1	Flashing light - GUARD 230V	6100315
1	Pair of VEGA photocells	6100147
1	QUICK 1 external key button	JA31101-10
1	Pair of ORION photocells	JA310
2	Column for photocell	401070
2	Foundation plate for column	737100

ACCESSORIES



LIMIT SWITCH
For the closing or opening stop of a motor.

Code **390682**

ROLLER



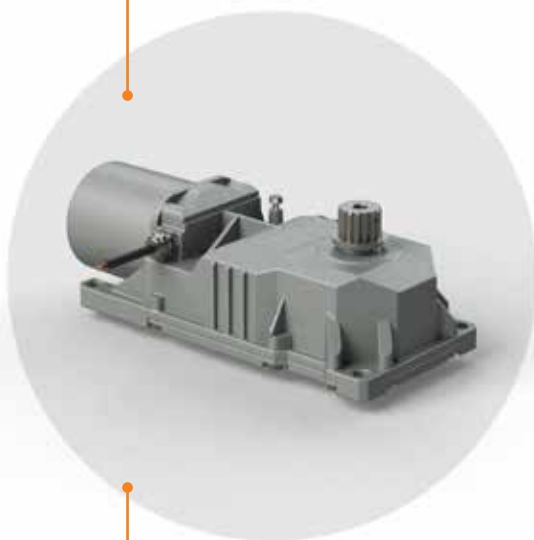
230V



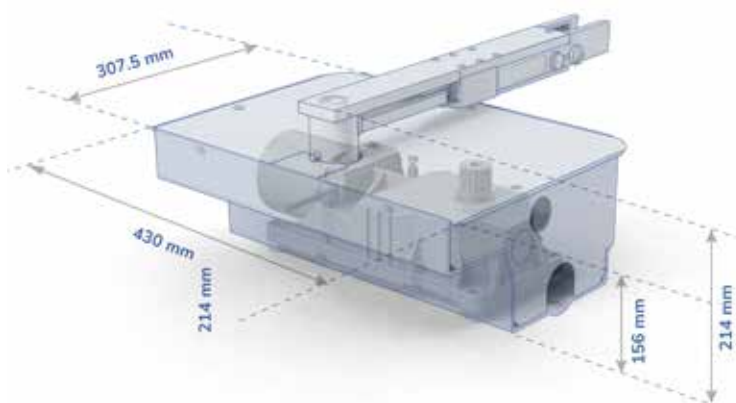
-G-DEC-



Polyester coated
also suitable for
installation
in saline
environments



Three mechanical
speed reduction stages
with steel worm-screw
and sintered low speed
shaft crown wheel



UNDERGROUND ACTUATOR FOR SWING GATES

Leaves of up to 3.5 metres and a maximum weight of 500 kg each leaf.

Lever release and access with personalised key
PATENTED.

Three mechanical speed reduction stages with steel worm-screw and sintered low speed shaft crown wheel.

Opening and closing slowdown.

2 different types of foundation box.

180° opening kit.

Optional mechanical leaf stop in opening and closing.

G-WAY SYSTEM

(with Brain 19 LC board).

G-DEC SYSTEM

(with Brain 19 LC board).

PRO-CODER

Optional safety accessory (with Brain 19 LC Board).

CONTROL UNITS

Brain 19 LC Page 74

Code	Name	Version	Voltage	Leaf max.	Use
6170077	Roller	Non-reversible	230V	3.5 m	Residential

TECHNICAL CHARACTERISTICS

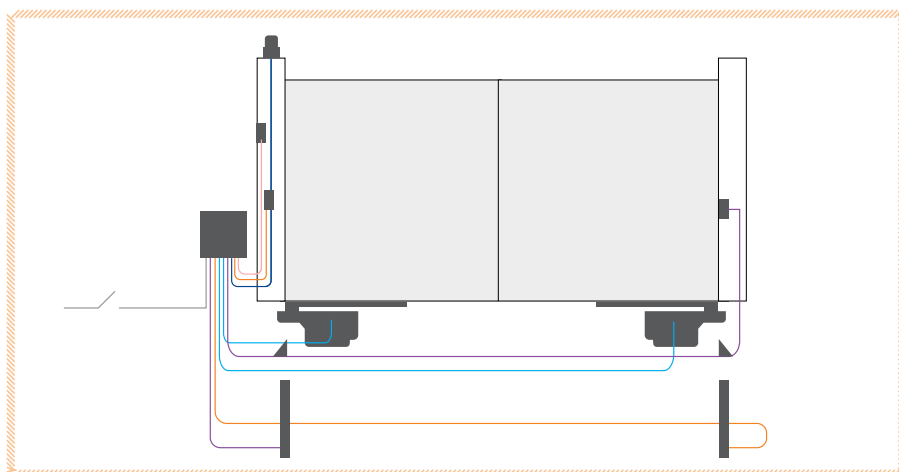
	Roller
Power supply (V)	230
Electric motor (V)	230
Nominal power (W)	380
Current (A)	1.7
Capacitor (µF)	12.5
Torque Max. (Nm)	330
Angular speed (°/sec)	6
Leaf opening time to 90° (sec.) ¹	18 (110°/180°)-10.5 (140°)
Use frequency at 20°C	S3 - 30%
Operating temperature (°C)	-20°C to +55°C
Protection rating	IP67
Weight (kg)	26.5

N.B.
1- Opening time and max. leaf dimensions calculated for correctly implemented installations at the distances indicated in the assembly instructions and without slow-downs.

For leaves over 2 m, it is mandatory to install an electric lock in order to ensure leaf locking.

WIRING INSTALLATION DIAGRAM

- Line: 3x1.5 mm²
- Motor*: 4x1.5 mm²
- Flashing light: 2x1.5 mm²
- Selector: 2x0.5 mm²
- Photocell TX: 2x0.5 mm²
- Photocell RX: 4x0.5 mm²



STANDARD INSTALLATION

Qty.	Material description	Part number
2	ROLLER Actuators	6170077
1	Electronic control unit Brain 19 LC	6100329
1	Board enclosure	JA320
2	ROLLER BOX supporting cases	58P0050
2	Release devices with key for 110° opening	6100286
1	Frequency module RQFZ 868 MHz	6100347
1	Two-channel transmitter Kilo N TX2	787034
1	Flashing light - GUARD 230V	6100315
1	Pair of VEGA photocells	6100147
1	QUICK 1 external key button	JA31101-10
1	Pair of ORION photocells	JA310
2	Column for photocell	401070
2	Foundation plate for column	737100

ACCESSORIES



ROLLER BOX
Steel foundation box.
Galvanised steel cover.

Code **58P0050**



RELEASE DEVICE
For 110° opening.
PATENTED

Code **6100286**



ROLLER BOX - STAINLESS STEEL
Stainless steel foundation box.
Stainless steel cover.

Code **58P0052**



140° OPENING KIT
To obtain an opening angle of 140°¹

Code **390612**



180° OPENING KIT

To obtain an opening angle of 180°²

Code 490111



PROCODER FOR UNDERGROUND MOTOR³

Allows the position of the leaf to be detected.

Code 404035



ADAPTER

For installing ROLLER in pre-existing foundation boxes.

Code 58P1573



INTERNAL MECHANICAL OPENING STOP

For 110°/140° levers.

Code 722121



INTERNAL MECHANICAL CLOSING STOP

For 110°/140° levers.

Code 722122

1. levers to add to 6100286 to obtain an opening angle of 140°.
2. gears to add to 6100286 to obtain an opening angle of 180°.
3. usable for Roller and Brain 19 LC board.



KIT FOR TWO-LEAF SWING GATES



Kit suitable for motorising two-leaf swing gates having a maximum width of 3.5 m and a weight of 500 kg per leaf, complete with accessories.

ACCESSORIES



Procoder for underground motor (for KIT code 5170207)

Code **404035**

COMPLETE KIT:

Code	Model	Voltage	Leaf max.
5170208	Roller Kit - frequency 433 MHz - RC	230V	3.5 m
5170207	Roller Kit - frequency 868 MHz - JLC	230V	3.5 m

Code	Name	Qty.
6170077	Roller Actuators	2
JA592	Control Board Brain 592	1
JA320	Control unit enclosure	1
6100366	Single channel plug-in receiver 433 MHz LC	1
6100334	Four-channel Transmitter Echo TX 4	1
6100315	Flashing LED light - GUARD 230V	1
6100147	Pair of Vega Photocells	1
JA31101	Quick 1 key selector	1

INDIVIDUAL COMPONENTS OF THE KIT:
5170208 ROLLER KIT -
FREQUENCY 433 MHz - RC

Code	Name	Qty.
6170077	Roller Actuators	2
6100329	Control Board Brain 19 LC	1
JA320	Control unit enclosure	1
6100347	Frequency Module RQFZ, 3-PIN plug-in, 868 MHz	1
787034	Two-channel transmitter Kilo N TX2	1
6100315	Flashing LED light - GUARD 230V	1
6100147	Pair of Vega Photocells	1
JA31101	Quick 1 key selector	1

INDIVIDUAL COMPONENTS OF THE KIT:
5170207 ROLLER KIT -
FREQUENCY 868 MHz - JLC

EURO BREEZE



230V



Integrated courtesy light

Control button automation



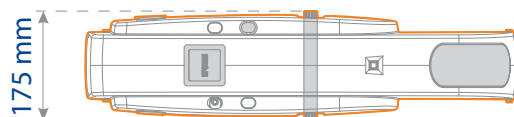
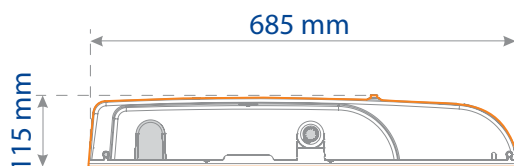
Release system with personalised key

Integrated limit switches



Built-in encoder

Load bearing mounting rail designed for installing the gearmotor in various positions



NEW

ACTUATOR FOR UP AND OVER DOORS AND COUNTERWEIGHTS

Single application for doors up to 10 m² and double application for doors up to 15 m².

Pre-drilled mounting rail for installing the motor in different positions.

Integrated automation control button.

Motor release with personalised key (optional).

Supplied with electronic control unit, encoder and built-in limit switches.

New electronic control unit with integrated low-power stand-by mode functionality.

Revamped aesthetic design.

Advanced LED lighting for increased efficiency and durability.

CONTROL UNITS

Geo 07

Page 80

Code	Name	Version	Voltage	Door max. (b x h)	Use
6120056	Euro Breeze 06 Sb/Lh	Non-reversible	230V	3.3 x 3 m *	Residential
6120053	Euro Breeze 06 C Sb/Rh	Non-reversible - built-in control unit Geo 07	230V	3.3 x 3 m *	Residential

* 5 x 3 m with 2 motors.

TECHNICAL CHARACTERISTICS

Euro Breeze 06	
Power supply (V)	230
Electric motor (V)	230
Power (W)	350
Current (A)	1.5
Thermal protection (°C)	140
Capacitor (µF)	10
Torque max. (Nm)	300
Angular speed (°/sec)	12
Opening time to 90° (sec.) ¹	15
Use frequency at 20°C	S3 - 30%
Approx. cycles per hour at 20°C	≥36
Operating temperature (°C)	20 +55
Operator weight (kg)	7.5
Protection rating ²	IP44

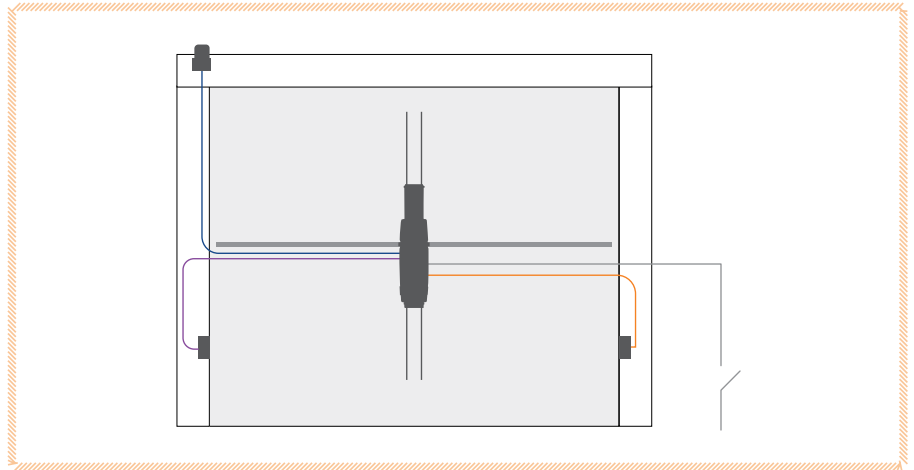
N.B.

1 - Opening time and max. door dimensions calculated for correctly implemented installations at the distances indicated in the installation instructions and without slow-downs.

2 - The gearmotor should be considered IP44 when the kit for CONTROL UNITS, code 110554, is used.

WIRING INSTALLATION DIAGRAM

- Line: 3x1.5 mm²
- Motor*: 4x1.5 mm²
- Flashing light: 2x1.5 mm²
- Photocell TX: 2x0.5 mm²
- Photocell RX: 4x0.5 mm²



STANDARD INSTALLATION

Qty.	Material description	Part number
1	EURO BREEZE 06 C Actuator with integrated electronic control unit	6120053
1	Mounting profile length. 1.5 m	722136
1	Pack of straight arms	738709
1	Pair of transmission pipes	58P0380
1	External key release	390607
1	Single channel plug-in receiver 868 MHz LC	6100367
1	Two-channel transmitter Kilo N TX2	787034
1	Flashing light - GUARD 230V	6100315

ACCESSORIES



EXTERNAL RELEASE
To be applied to an existing handle

Code **390607**



BUTTONS
6 push-buttons for up-and over door.

Code **58P2015**



BUSH
Set of 6 grooved bushes.

Code **58P0371**



TRANSMISSION PIPES
2 galvanised pipes for side application.

Code **58P0379**



TRANSMISSION PIPES
2 galvanised pipes for central application.
Length 1500 mm.

Code 58P0380

Length 2050 mm.

Code 58P0381



KEY OPERATED PLUG
For external release, door thickness over 45 mm.

Code 6100015

Door thickness up to 45 mm.

Code 6100014



MOUNTING PROFILES

Length 2000 mm.

Code 722140

Length 1500 mm.

Code 722136

Length 1300 mm.

Code 58P0583

WELD-ON ARMS



KIT OF 2 CURVED ARMS
With brackets to be welded.

Code 6100127

ARMS TO BE SCREWED ON



KIT OF 2 STRAIGHT TELESCOPIC ARMS
With non-weld on bush.

Code 738709



KIT OF 2 STRAIGHT ARMS
With grooved welded bush.
For side applications with 2 motors.

Code 58P0386



KIT FOR UP AND OVER DOOR

EURO BREEZE KIT

Kit suitable for motorising up and over garage doors with balanced counterweights (max 3.30 x 3.00 m) complete with accessories.

KIT



COMPLETE KIT:

Code	Model	Voltage	Door max.
51200092	Euro Breeze Kit - frequency 433 MHz - RC	230V	3.30 x 3.00 m
51200102	Euro Breeze Kit - frequency 868 MHz - JLC	230V	3.30 x 3.00 m

INDIVIDUAL COMPONENTS OF THE KIT:
51200091 EURO BREEZE KIT -
FREQUENCY 433 MHz - RC

Code	Name	Qty.
6100366	Single channel plug-in receiver 433 MHz LC	1
6100334	Four-channel Transmitter Echo TX 4	1
JA31101	Quick 1 key selector	1
6100315	Flashing LED light - GUARD 230V	1
58P0583	Perforated load bearing profile length 1300 mm	1
-	Assembly instructions	1

INDIVIDUAL COMPONENTS OF THE KIT:
51200101 EURO BREEZE KIT -
FREQUENCY 868 MHz -JLC

Code	Name	Qty.
6100367	Single channel plug-in receiver 868 MHz LC	1
787034	Two-channel transmitter Kilo N TX2	1
JA31101	Quick 1 key selector	1
6100315	Flashing light Guard 230V	1
58P0583	Perforated load bearing profile length 1300 mm	1
-	Assembly instructions	1



Sturdy plastic base reduces its weight and makes it more manoeuvrable



ACTUATOR FOR SECTIONAL, SPRUNG AND COUNTERWEIGHT UP-AND-OVER DOORS

Available in 24V version with 600N (Zodiac 60) and 1000N (Zodiac 100) thrust.

PATENTED three-step drive rail assembly.

Supplied with power cable and plug.

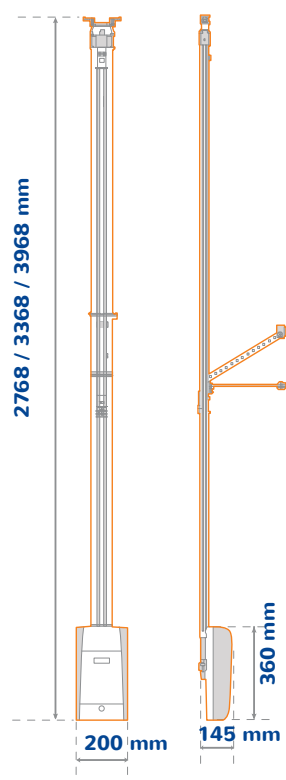
Designed for use with energy saving bulbs.

Integrated courtesy light.

Easy access to programming panel, no need to open the automation cabinet.

Integrated opening control button.

It is compatible with the optional XLC module, which reduces standby power consumption to 0.5W.



CONTROL BOARDS

Geo 08
Geo 09

Page 82
Page 82

Code	Name	Version	Voltage	Sectional max. (bxh)*	Up and over max. (bxh)
6120041	Zodiac 60	Non-reversible - 600 N thrust - integrated Geo 08	24V	5 x 2.50 m	3 x 2.50 m
6120042	Zodiac 100	Non-reversible - 1000 N thrust - integrated Geo 09	24V	5 x 3.10 m	3 x 3.10 m

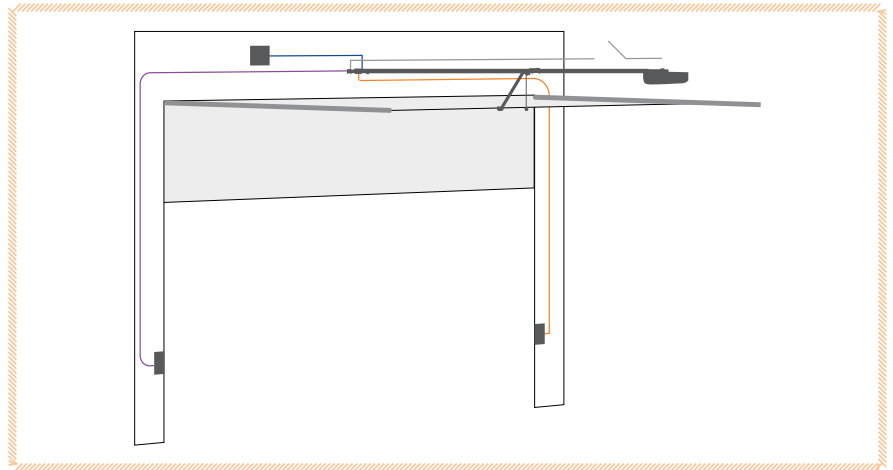
* Maximum height depends on the door geometry. The values shown refer to traditional configurations.

TECHNICAL CHARACTERISTICS

	Zodiac 60	Zodiac 100
Power supply (V)		230
Electric motor (V)		24
Power (W)	220	350
Thrust (daN)	600	600/1000
Consecutive cycles Max.		30
Carriage travel Max. (mm)		1900 - 2500 - 3100
Carriage speed, without load (m/min)		6.6
Use frequency at 20°C		80 cycles per day
Operating temperature (°C)		-20°C to +55°C
Operator weight (kg)		6.6
Protection rating		IP20

WIRING INSTALLATION DIAGRAM

- Line: 3x1.5 mm²
- Flashing light: 2x1.5 mm²
- Photocell TX: 2x0.5 mm²
- Photocell RX: 4x0.5 mm²



STANDARD INSTALLATION

Qty.	Material description	Part number
1	Actuator - ZODIAC 60	6120041
1	Single track with belt 1900 mm stroke	390120
1	Cable and sheath for external release (application on existing handle)	390488
1	Frequency module RQFZ 868 MHz	6100347
1	Two-channel transmitter Kilo N TX2	787034
1	QUICK 1 external key button	JA31101-10
1	Pair of VEGA photocells	6100147
1	Flashing light - LEDDY 24V	6100190

ACCESSORIES



BATTERY KIT
Complete with charging board.

Code **390923**



EXTERNAL RELEASE

Cable for external release, application on existing handle for sectional doors. Use the external release in conjunction with adapter arm for up-and-over doors with counterweights. Code 390607 on page. 51

Code **390488**



LEDDY
24 Vdc with integrated flashing management.

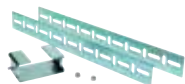
Code **6100190**



CABLE RELEASE KIT

External release kit with 1.5 m Bowden cable, cable stopper and cylinder with coded key.

Code **6100285**



CENTRAL SUPPORT FOR RAIL
Single track

Code **390765**



RADIO FREQUENCY MODULES
RQFZ 3PIN for GENIUS.

433 MHz

Code **6100346**

868 MHz

Code **6100347**



ARM FOR SECTIONAL DOORS

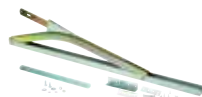
Arm for sectional doors.

Code 390768



ARMO2 KEY SELECTOR WITH LEVER RELEASE

Code 6100340



ADAPTER

For up-and-over doors with counterweights and max. height 2400 mm.

Code 390548



XLC MODULE

Low consumption kit

Code 390130



Rail type	Description*	Code
G 1900 - 1B	With belt, travel 1900 mm 1 piece	390120
G 2500 - 1B	With belt, travel 2500 mm 1 piece	390126
G 3100 - 1B	With belt, travel 3100 mm 1 piece	390132
G 2500 - 2B	With belt, travel 2500 mm 2 sections	390226
G 3100 - 2B	With belt, travel 3100 mm 2 sections	390232

N.B. The measures indicated refer to the effective carriage travel. The overall dimensions of the rail, including the motor, is 870 mm greater than the travel for Zodiac.

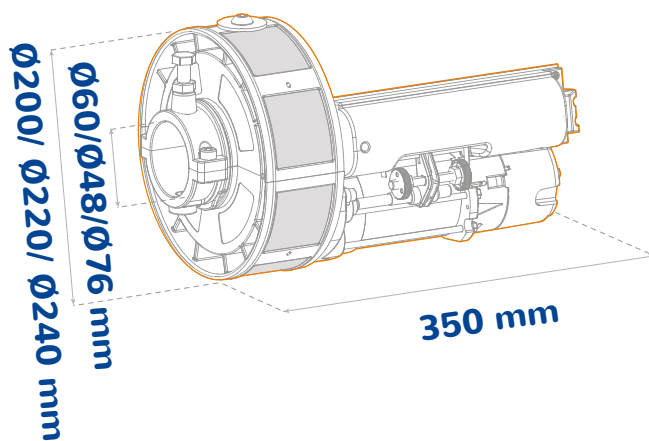


AUTOMATION FOR ROLLER SHUTTERS

Silent, fast and completely maintenance-free
Installation

Manual release for raising the shutter in the event of a power failure

Semi-automatic micrometric limit switch adjustment



CONTROL UNITS

Geo 13

Page 81

Code	Name	Version	Voltage	crown wheel ø	shaft ø shutter	Lifting capacity
6140003	Shutter 15 R	Reversible	230V	200 ¹	60 ²	170 kg
6140004	Shutter 15	Non-reversible with electromagnetic brake	230V	200 ¹	60 ²	170 kg
6140010	Shutter 20	Non-reversible with electromagnetic brake	230V	240	76	260 kg
6140005	Shutter B 40	Two motors, non-reversible with electromagnetic brake	230V	240	76	360 kg

1 - The diameter of the crown wheel can be changed to Ø 220 mm using the plastic band included with Shutter 15 models.

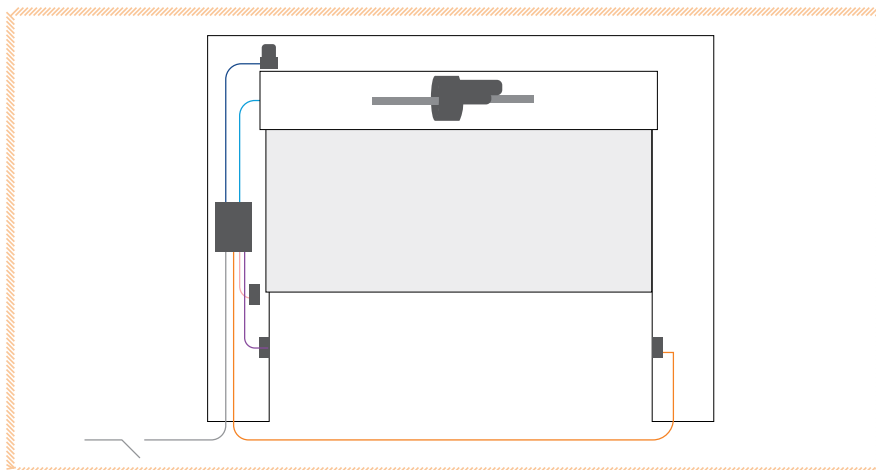
2 - Can also be used with Ø 48mm, Ø 42mm or Ø 33mm diameter shafts by adding the optional adapter sleeves indicated on the following page.

TECHNICAL CHARACTERISTICS

	SHUTTER			
	15 (200/60)	15 R (200/60)	20 (240/76)	B 40 (240/76)
Power supply (V)	230			
Frequency (Hz)	50	50	50	50
Torque (Nm)	170		280	400
Power (W)	630		1260	
Power consumption (A)	2.7		5.4	
Work time Max. (min)	4			
Shutter height Max. (m)	6			
Operating temperature (°C)	-20+55			

WIRING INSTALLATION DIAGRAM

- Line: 3x1.5 mm²
- Motor*: 4x1.5 mm²
- Flashing light: 2x1.5 mm²
- Selector: 2x0.5 mm²
- Photocell TX: 2x0.5 mm²
- Photocell RX: 4x0.5 mm²



STANDARD INSTALLATION

Qty.	Material description	Part number
1	Gearmotor - SHUTTER 15 R	6140003
1	Electric brake for SHUTTER 15	391450
1	GEO 13 control board	6100306
1	Board enclosure	6100140
1	ARMO2 key selector with lever release	6100340
1	Pair of VEGA photocells	6100147
1	Flashing light - GUARD 230V	6100315

ACCESSORIES



**ARMO2 KEY SELECTOR
WITH LEVER RELEASE**

Code 6100340

Pole adapter 60 > 48/42 mm

Code 391452



ELECTRIC BRAKE KIT

Code 391450

TRIGON K

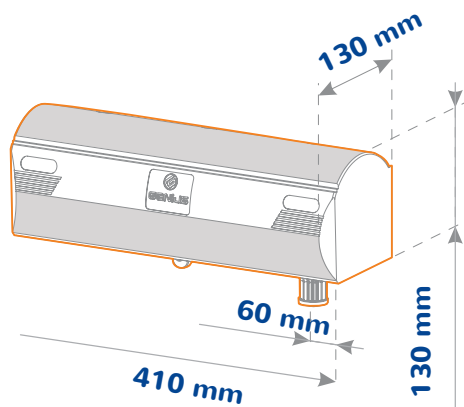


G-WAY
BUS



230V

-G-DEC-



ACTUATOR FOR FOLDING DOORS

Leaves up to 3 metres.

G-WAY SYSTEM
(with Brain 19 LC board).

G-DEC SYSTEM
(with Brain 19 LC board).

CONTROL UNITS

Brain 19 LC Page 74

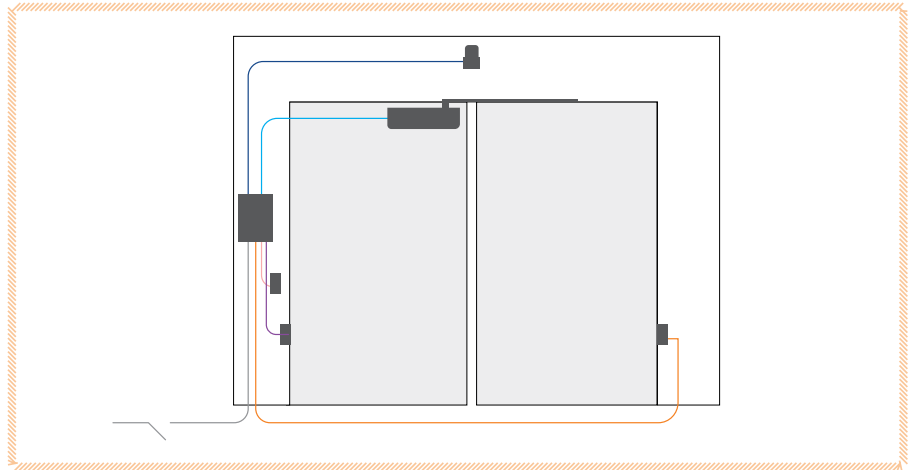
Code	Name	Version	Voltage	Voltage Max. (bxh)	
6170152	Trigon K	Non-reversible	230V	3x5 m	

TECHNICAL CHARACTERISTICS

	Trigon K
Power supply (V)	230
Electric motor (V)	230
Power (W)	280
Current (A)	1.2
Thermal protection (°C)	140
Capacitor (µF)	8
Angular speed (°/sec)	8
Use frequency at 20°C	S3 - 30%
Rated shaft torque (Nm)	250
Operating temperature (°C)	-20°C to +55°C
Gearmotor weight (kg)	11.5
Protection rating	IP44

WIRING INSTALLATION DIAGRAM

- Line: 3x1.5 mm²
- Motor*: 4x1.5 mm²
- Flashing light: 2x1.5 mm²
- Selector: 2x0.5 mm²
- Photocell TX: 2x0.5 mm²
- Photocell RX: 4x0.5 mm²



STANDARD INSTALLATION

Qty.	Material description	Part number
1	Actuator - TRIGON K	6170152
1	Telescopic arm	58P0656
1	Electronic control unit Brain 19 LC	6100329
1	Frequency module RQFZ 868 MHz	6100347
1	Two-channel transmitter Kilo N TX2	787034
1	Flashing light - GUARD 230V	6100315
1	Pair of VEGA photocells	6100147
1	QUICK 1 external key button	JA31101-10

ACCESSORIES



LIMIT SWITCH
For the closing or opening stop of a motor.

Code **390682**



INTERNAL RELEASE KIT
Internal release kit for folding doors with 5 m cable and release knob.

Code **401057**



ARM
Folding door telescopic arm kit.

Code **58P0656**



EXTERNAL RELEASE KIT
External release kit for swing gates and folding gates with 5 m cable.
N.B. Kit to be assembled together with safety enclosure.

Code **58P0659**

RAINBOW



24V

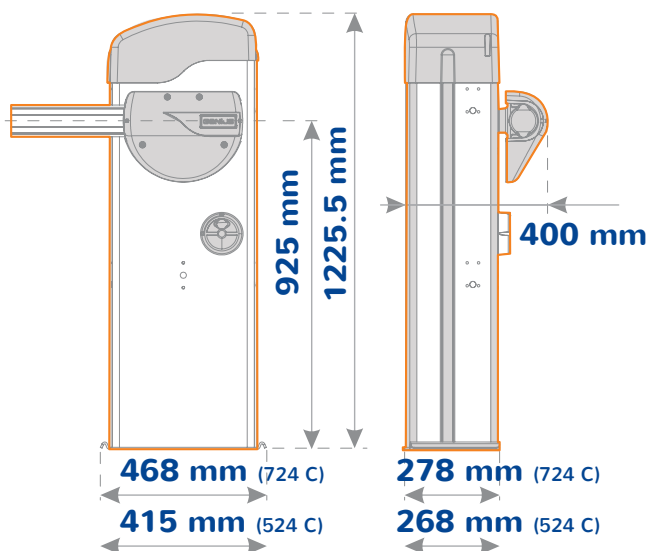


Signalling rope light



Rotary release system accessible from outside the barrier body

Designed for installing accessories



AUTOMATIC VEHICLE BARRIER

Available in 24V version for passages of up to 3, 5 and 7 metres.

Automatic beam balancing by 1 or 2 springs of choice.

7 m Beam supplied in two parts together with a fastening joint.

Signalling rope light for barrier body.

Ergonomically positioned and easily accessible control panel.

Obstacle detection encoder.

User friendly release system with personalised key.

Certified for continuous use, more than 1,000,000 cycles.

Latest generation electronic core with switching power supply.

CONTROL UNITS

Lynx 07 Page 83
Lynx 08 Page 84

Code	Name	Version	Voltage	Leaf max.
6130034	Rainbow 524 C	Non-reversible with encoder and built-in LYNX 07	24V	5 m *
6130035	Rainbow 724 C	Non-reversible with encoder and built-in LYNX 08	24V	7 m *

* Length refers to the passage width, total length of beam = passage width + 0.30 m approx.

TECHNICAL CHARACTERISTICS

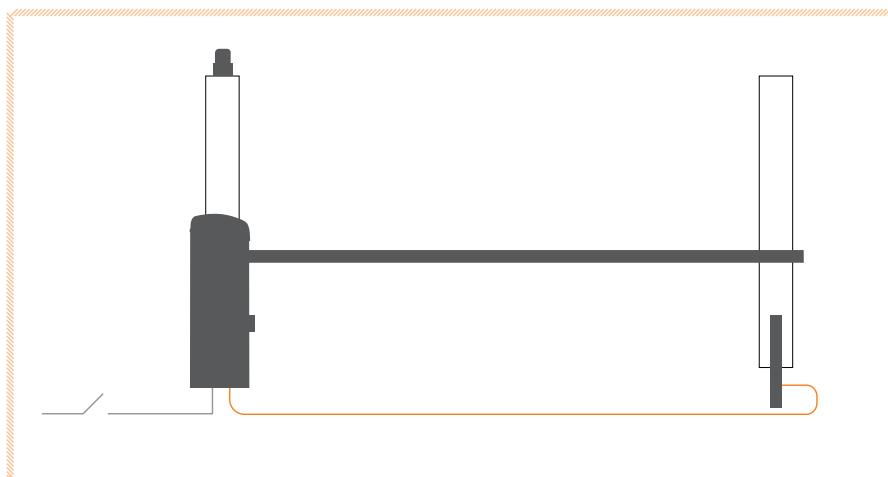
	Rainbow 524	Rainbow 724
Power supply (V)	230/115	
Electric motor (V)	24	
Max. power at initial thrust (W)	280	480
Nominal motor power (W)	160	220
Torque max. at 24Vdc (Nm)	140	370
Nominal operating torque (Nm)	75	140
Nominal opening/closing time (sec) ¹	4 - 8	7 - 11
Use frequency at 20°C	70%	
Operating temperature (°C)	-20°C to +55°C	
Noise (dBA)	>70	
Protection rating	IP54	
Operator weight (kg)	66	72

N.B.

1- Time depending on the slowdown setting.

WIRING INSTALLATION DIAGRAM

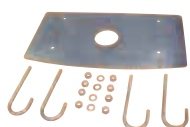
- Line: 3x1.5 mm²
- Photocell RX: 4x0.5 mm²



STANDARD INSTALLATION

Qty.	Material description	Part number
1	RAINBOW 524 C barrier body with integrated LYNX 07 control board	6130034
1	Foundation plate	6100294
1	Round beam 3300 mm (passage width 3000 mm)	428042
1	Spring for RAINBOW FAST 524 C	6100290
1	Frequency module 868 MHz	6100347
1	Two-channel transmitter Kilo N TX2	787034
1	Flashing light - GUARD 24V	6100316
1	QUICK 1 external key button	JA31101-10
1	Pair of ORION photocells	JA310
1	Column for photocell	401070
1	Foundation plate for column	737100

ACCESSORIES



FOUNDATION PLATE
With tie rods.

Code **6100294**



BEAM ARTICULATION KIT
MAX BEAM LENGTH 4M.

Code **428444**



PHOTOCELL SUPPORT KIT

Code **6100295**



SKIRT KIT
Painted aluminium. Length 2m.

Code **428441**



FIXED SUPPORT PLATE
For fixed support.

Code 737621



ROPE LIGHT
In combination with the beam lights kit.

Pack 12 metres

Code 390993

Pack 16.5 metres

Code 6100297



STICKERS KIT
6 stickers with Genius logo.

Code 6100201



BATTERY CABLE KIT
Wiring cables to connect buffer batteries.

Code 6100300



RADIO FREQUENCY MODULES
RQFZ 3PIN for GENIUS.

433 MHz

Code 6100346

868 MHz

Code 6100347



BEAM LIGHT KIT
Beam lights connection.

Code 390992



ADJUSTABLE BEAM SUPPORT KIT

Code 428806



BARRIER LIGHTS KIT
Barrier lights connection.

Code 6100299



ADJUSTABLE END FOOT FOR BEAM SUPPORT

Code 428805

RAINBOW ACCESSORIES

BEAMS



RAINBOW 524 C

Beam Max. 5 m
profile with section \varnothing 75 mm

Model	Length (m)	Passage (m)	Code
Beam 3 m	3.30	3.00	428042
Beam 4 m	4.30	4.00	428043
Beam 5 m	5.30	5.00	428044

RAINBOW 724 C

Beam Max. 7 m
profile with elliptical section \varnothing 85/95 mm

Model	Length (m)	Passage (m)	Code
Beam 5 m	5.30	5.00	428047
Beam 4 m	4.00	7.00	428048
Beam 3.3 m	3.30		428050
Joint	-		428616

SPRINGS



RAINBOW 524 C

Code	Description	
6100290	51,50 Spring - Purple (L=400mm Ø 6mm)	
6100291	69,00 Spring - Black (L=400mm Ø 6.5mm)	

RAINBOW 724 C

Code	Description	
6100292	105,50 Spring - Purple (L=520mm Ø 7.5mm)	
6100293	133,00 Spring - Black (L=520mm Ø 8.5mm)	

SPRING CONFIGURATION FOR BEAMS

RAINBOW 524 C Single beam	Beam only (m)	Beam with lights (m)	Beam with foot (m)*	Beam with lights and foot (m)*	Beam with hedge (m)**	Beam with lights and hedge (m)**	No. Springs Ø 6 mm Code 6100290	No. Springs Ø 6.5 mm Code 6100291
	3.0 - 3.4	3.0 - 3.4	3.0 - 3.3	3.0 - 3.2	3.0 - 3.3		1	
	3.4 - 4.3	3.4 - 4.2	3.3 - 3.7	3.2 - 3.6	3.3 - 3.7	3.0 - 3.6		1
	4.3 - 4.8	4.2 - 4.7	3.7 - 4.4	3.6 - 4.4	3.7 - 4.4	3.6 - 4.4	2	
	4.8 - 5.0	4.7 - 5.0	4.4 - 5.0	4.4 - 5.0	4.4 - 5.0	4.4 - 5.0		2

N.B. All measurements refer to the passage width (length of beam = passage width + 0.30 m) * Foot fixed at beam end ** Hedge fixed at 0.30 m from beam end (Hedge length max.= passage - 1.0 m)

RAINBOW 724 C Single beam and/or sections	Beam only (m)	Beam with lights (m)	Beam with foot (m)*	Beam with lights and foot (m)*	Beam with hedge (m)**	Beam with lights and hedge (m)**	No. Springs Ø 6 mm Code 6100292	No. Springs Ø 6.5 mm Code 6100293	
	Single beam								
	4.0 - 4.6	4.0 - 4.6	4.0 - 4.2	4.0 - 4.2	4.0 - 4.2	4.0 - 4.2	1		
	4.6 - 5.0	4.6 - 5.0	4.2 - 5.0	4.2 - 4.8	4.2 - 5.0	4.2 - 4.8		1	
						4.8 - 5.0	4.8 - 5.0	2	
Beam in sections with joint									
5.0 - 6.1	5.0 - 5.7	5.0 - 5.6	5.0 - 5.4	5.0 - 5.6	5.0 - 5.4	2			
6.1 - 7.0	5.7 - 7.0	5.6 - 6.5	5.4 - 6.5	5.6 - 6.5	5.4 - 6.5		2		

N.B. All measurements refer to the passage width (length of beam = passage width + 0.38 m) *Foot fixed at beam end **Hedge fixed at 0.50 m from beam end (Hedge length max. = passage - 1 m)



CONTROL UNITS

TYPE OF APPLICATION

Motor Power Supply

Programming

"Automatic" operating logic (with closing after pause time)

"Semi-automatic" operating logic

"Dead man" operating logic

Motor thrust force adjustment

Work time learning cycle

Pause time programming

Total opening command

Partial/single leaf opening command

Stop command (movement block)

Safety in opening contact

Safety in closing contact

Fail-safe (photocell operation test)

Modifiable safety device behaviour when closing

Modifiable safety device behaviour when opening

Electric lock output

Opening/closing limit switch inputs

Safety edge input

Indicator light output

Flashing light output

Reverse stroke (to assist electric lock release)

Ram stroke (to assist lock engagement)

Electronic slowdown

Electronic obstacle detection

Opening leaf delay function (to prevent leaves overlapping)

Closing leaf delay function (to prevent leaves overlapping)

Pre-flashing before movement

Diagnostics

Cycle counting

Wind function

Soft-touch function

Integrated radio code decoding and connector for 3-pin RQFZ receiver modules

Connector for 5-pin plug in receivers

G-Way BUS

XUSB compatibility

PAGE

CONTROL UNITS

TYPE OF APPLICATION

Motor Power Supply

Programming

"Automatic" operating logic (with closing after pause time)

"Semi-automatic" operating logic

"Dead man" operating logic

Motor thrust force adjustment

Work time learning cycle

Pause time programming

Total opening command

Partial/single leaf opening command

Stop command (movement block)

Safety in opening contact

Safety in closing contact

Fail-safe (photocell operation test)

Modifiable safety device behaviour when closing

Modifiable safety device behaviour when opening

Electric lock output

Opening/closing limit switch inputs

Safety edge input

Indicator light output

Flashing light output

Reverse stroke (to assist electric lock release)

Ram stroke (to assist lock engagement)

Electronic slowdown

Electronic obstacle detection

Opening leaf delay function (to prevent leaves overlapping)

Closing leaf delay function (to prevent leaves overlapping)

Pre-flashing before movement

Diagnostics

Cycle counting

Wind function

Soft-touch function

Integrated radio code decoding and connector for 3-pin RQFZ receiver modules

Connector for 5-pin plug in receivers

G-Way BUS

USB connector

PAGE

Brain 19 LC



230V



NEW



Code

6100329

Power supply (Vac)	220-240 V~ @50/60 Hz
Absorbed power (W)	4.3 W in Stand By
Motor load Max. (W)	700 W
Max. accessories load (mA)	24 V 500 mA Bus G-Way 250 mA
Operating temperature (°C)	-20°C to +55°C
Protection fuses	F5 A 250 V T0.8 A 250 V
Operating logic	Semi-automatic/Semi-automatic Step-by-Step/Automatic Safety Step-by-Step/Automatic/ Automatic Step-by-Step/Semi-automatic B/Dead Man
Opening/closing time	Programmable via the learning button
Pause time	from 0 to 9.5 min.
Closing leaf delay	from 0 to 1.3 min.
Opening leaf delay	2 sec. (can be disabled from the display)
Thrust force	Adjustable via display, 50 levels for each motor
Inputs in terminal board	Open/Open free leaf/Stop/Limit switch/USB Opening and closing safeties/Power supply + earth/G-WAY BUS
Outputs in terminal board	Flashing light/Motors/24Vdc Accessories power supply/Failsafe/12Vac Electric lock power supply/24Vdc Indicator light
Quick connector	3-PIN for Genius RQFZ receiver module/Integrated decodification
Selectable functions	Logics and pause time/Thrust force/Leaf opening and closing delay/Reverse stroke Failsafe/Closing safeties logic/Pre-flashing/ Use of limit switches/Use of PROcoder encoder
Programming buttons	Work times learning with or without limit switches or encoder, with or without slowdowns and radio code programming
USB input	Firmware Update/Installation configuration upload and Download/Radio codes upload and download



ACCESSORIES



ENCLOSURE FOR 230V CONTROL UNITS

Code **JA320**



RADIO FREQUENCY MODULES

RQFZ 3PIN for GENIUS.

433 MHz

Code **6100346**

868 MHz

Code **6100347**



XUSB

Firmware update interface.

Code **202274**



Brain 20

NEW



24V

ENV

G-WAY
BUS

G-DEC



With transformer in watertight enclosure.

Code

6100362



Model	Brain20 230V
Power supply voltage	220-240 V~ @50/60 Hz
Max power	350 W
Stand-by power*	4.4 W
Stand-by power with XLC module	0.5 W
Max electric motor voltage	24 V 
Motor max power	340 W (170 W each motor)
Max. accessories load	24 V  500 mA Bus G-Way 300 mA
Max flasher load	24 V  15 W max
Protection fuses	F 2.0A - 250 V ~
Protection class*	IP54
Operation logic	E, EP, A1, A, AP, B, C
Terminal board inputs	openA, openB, Stop, BUS
Terminal board outputs	Motor, Flashing light, Accessories power, electric lock, Out
Rapid connector	Power supply, RQFZ module, XLC module, XUSB
Operating ambient temperature	-20°C to +65°C
Weight with packing	3.5 Kg
Packing size (LxDxH)	335 x 255 x 200 mm

*Data referred to the board housed in the enclosure.

LOW ENERGY CONSUMPTION

Equipped with the XLC module, BRAIN 20 minimizes standby power consumption to just 0.5W, in compliance with EU Directive 2009/125/EC and EU Regulation 2023/826. The low-power mode activates automatically after a period of inactivity, reducing operating costs and environmental impact.

EASY INSTALLATION

BRAIN 20 is effortlessly programmed via a display and buttons, allowing standard configuration, speed, and slowdown parameters. This simplifies system setup while ensuring compliance with current regulations.

ADVANCED SAFETY

The integrated virtual encoder motor control optimizes force and speed, detecting obstacles with adjustable sensitivity during both opening and closing operations.

RENEWABLE ENERGY COMPATIBILITY

BRAIN 20 supports alternative power sources, such as solar panels, enabling a more sustainable and cost-effective energy supply.

SIMPLIFIED UPDATES

Compatible with the XUSB device, BRAIN 20 allows for quick and easy firmware updates via USB drives, streamlining system maintenance.

ACCESSORIES



BATTERY KIT
Complete with charging board.
For 24V models only

Code 390923



BOARD BUS INTERFACE
For standard photocell connection.

Code 6100236



RADIO FREQUENCY MODULES
RQFZ 3PIN

433 MHz
Code 6100346



XUSB
Firmware update interface.

Code 202274



XLC MODULE
Low consumption kit.

Code 390130

868 MHz
Code 6100347

Sprint 382 S

NEW



230V



Incorporated in Falcon M5 ENC, Falcon M8 C ENC, Falcon M14 C, Falcon M20 C, Blizzard 500 C ENC and Blizzard 900 C ENC gearmotors.

It is compatible with the optional XLC module, which reduces standby power consumption to 0.5W.

Code

202269

Power supply (Vac)	230 (+6% -10%) 50Hz
Absorbed power (W)	10
Motor load Max. (W)	1000
Max. accessories load (mA)	500
Operating temperature (°C)	-20°C to +55°C
Protection fuses	2
Operating logic	Automatic/Automatic "Step by Step"/Semi-automatic/Safety/ Semi-automatic B/Dead man C/Semi-automatic "Step by Step"
Work time	Programmable (from 0 to 4 minutes)
Pause time	Programmable (from 0 to 4 minutes)
Thrust force	Adjustable on 50 levels
Inputs in terminal board	Open/Partial open/Stop/Opening and closing safeties/Stop/ Safety edge/Power Supply + earth
Connector inputs	Opening and closing limit switches/Encoder
Outputs in terminal board	Flashing light/Motor/24 Vdc accessories power supply/Indicator light 24Vdc/Failsafe
Quick connector	Genius 5-PIN receivers
Programming	3 buttons (+, -, F) and display, simple or complete mode
Simple Mode programmable functions	Operating logics/Pause time/Thrust force/Gate direction
Complete Mode programmable functions	Torque at initial thrust/Braking/Failsafe/Pre-flashing/Indicator light/Safeties logic/Encoder/ Slowdowns/Partial opening time/Work time/Assistance request/Cycles counting

ACCESSORIES



Single channel receiver 433 JLC
Code **6100351**

Two-channel receiver 868 JLC
Code **6100353**

Plug-in receivers with 5-pin Molex connector compatible with Genius CONTROL UNITS with 5-pin connectors.



XLC2
Low-consumption Kit for Sprint 382 S Control Unit
Code **390137**

Single channel plug-in receiver 868 MHz LC
Code **6100367**

Single channel plug-in receiver 433 MHz LC
Code **6100366**

Two-channel receiver 433 RC
Code **6100355**

Sprint M24



24V

G-DEC



Incorporated in Blizzard 400 C ENC and Blizzard 800 C ENC gearmotors.

Code

6020664

Power supply (Vac)	230 (+6% -10%) 50Hz
Fuse F1	2.5 A T
Max. accessories load (mA)	500
Flashing light	24Vdc - 15W
Operating ambient temperature (°C)	-20°C to +55°C
Operating logic	Semi-automatic/Semi-automatic Step by Step/Automatic/Automatic Step by Step/Automatic Safety/Semi-automatic B/Dead man
Work time	Programmable (from 0 to 9 minutes and 50s)
Pause time	Programmable (from 0 to 9 minutes and 50s)
Thrust force	Adjustable on 50 levels
Inputs in terminal board	Open/Partial open/Stop/Power supply/G-WAY BUS
Outputs in terminal board	Flashing light/Indicator light 24Vdc/Programmable output/Motor
Quick connector	Battery/3-pin for Genius RQFZ receiver module/Encoder
Programming	3 buttons and display, simple and complete mode
Simple Mode programmable functions	Operating logics/Pause time/Thrust force/Opening speed/Closing speed/Opening slowdown/Closing slowdown/Primary-Secondary
Complete Mode programmable functions	Pre-flashing/Safeties logic/Partial opening/Work time/Slowdown speed/Outputs/Inputs Partial Open and Stop (safety edges)

ACCESSORIES



BATTERY KIT
Complete with charging board.
For 24V models only

Code 390923



RADIO FREQUENCY MODULES
RQFZ 3PIN for GENIUS.

433 MHz
Code 6100346

868 MHz
Code 6100347



Geo 07



230V



N.B. For Eurobreeze 06 operators, an encoder with limit switch is required, code 6100162

Code

6100151

Power supply (Vac)	230 (+6% -10%) 50Hz
Max. absorbed power (W)	12
Max. motor load (W)	800
Max. accessories load (mA)	300
Operating temperature (°C)	-20°C to +55°C
Circuit protection fuses	Network/accessories
Operating logic	Automatic/semi-automatic
Work time	Programmable from 0 to 59 sec. (default 20 sec.)
Pause time	Programmable from 0 to 4 min. (default 2 min.)
Electronic clutch	Programmable on 50 levels
Limit switch tripping mode	4 types of operation
Inputs in terminal board	Open/Encoder/Opening and closing safeties/Opening and closing limit switches and flashing light 230Vac - 60W
Quick connector	5-pin radio receiver
Outputs in terminal board	Motor/External 230Vac courtesy light/24Vdc accessories power supply
Incorporated courtesy light max. load (W)	25
External courtesy light max. load (W)	250

ACCESSORIES



Single channel receiver 433 JLC
Code 6100351

Two-channel receiver 868 JLC
Code 6100353

Plug-in receivers with 5-pin Molex connector compatible with Genius CONTROL UNITS with 5-pin connectors.

Single channel plug-in receiver 868 MHz LC
Code 6100367

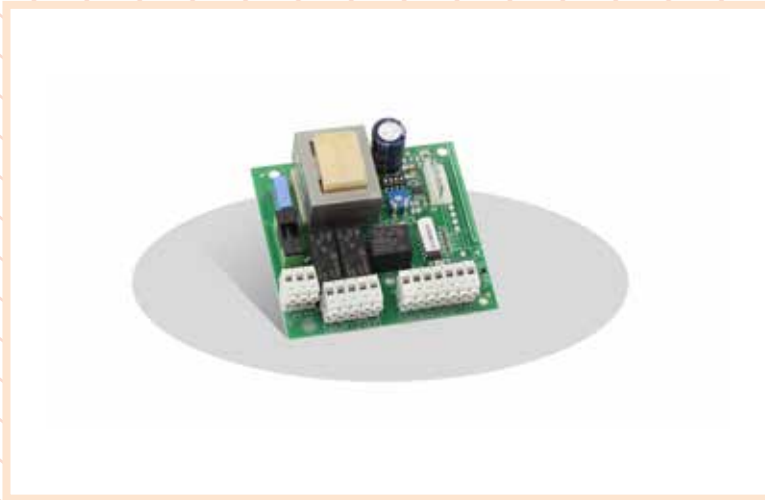
Single channel plug-in receiver 433 MHz LC
Code 6100366

Two-channel receiver 433 RC
Code 6100355

Geo 13



230V



Code

6100306

Power supply (Vac)	230 (+6% -10%) 50Hz
Absorbed power (W)	7
Motor load Max. (W)	1300
Max. accessories load (mA)	500
Operating temperature (°C)	-20°C to +55°C
Protection fuses	2 (Power supply and accessories)
Operating logics	Step by step/Automatic
Work time (Opening/Closing)	Min. 8 sec. max. 90 sec., trimmer-adjustable
Pause time	7 pause times selectable via dip-switch
Inputs in terminal board	Mains power supply/Open/Stop/Obstacle detection
Quick connector	5-pin connector for receiver board
Outputs in terminal board	Motor power supply/Flashing light power supply/Accessories power supply

ACCESSORIES



Single channel receiver 433 JLC
Code **6100351**

Two-channel receiver 868 JLC
Code **6100353**

Plug-in receivers with 5-pin Molex connector compatible with Genius CONTROL UNITS with 5-pin connectors.

Single channel plug-in receiver 868 MHz LC
Code **6100367**

Single channel plug-in receiver 433 MHz LC
Code **6100366**

two- channel receiver 433 RC
Code **6100355**



ENCLOSURE FOR GEO 13 CONTROL UNITS
Protection rating IP44
Dimensions: 185 x 185 x 100 mm
Code **6100140**

Geo 08



G-DEC



230V



Incorporated in Zodiac 60 gearmotor

Code

6020444

Geo 09



Incorporated in Zodiac 100 gearmotor

Code

6020445

Power supply (Vac)	230
Accessories power supply (Vdc)	24
Accessories max. load (mA)	200
Terminal board connections	Open/Stop/Safeties/Fail Safe/LEDDY Flashing light
Inputs with connector	Motor and Encoder connector/Genius 3-PIN RQFZ radio-frequency module/Battery charger
Operating logic	Automatic/Semi-automatic

ACCESSORIES



BATTERY KIT
Complete with charging board.
For 24V models only

Code **390923**



RADIO FREQUENCY MODULES
RQFZ 3PIN for GENIUS.

433 MHz

Code **6100346**

868 MHz

Code **6100347**



LEDDY
24 Vdc with integrated flashing management.

Code **6100190**

Lynx 07



G-DEC



230V



Incorporated in Rainbow Fast 324 C

Code

6020560

Voltage and frequency	230 Vac 50 Hz / 115 Vac 60 Hz
Absorbed power (W)	5
Max. power at initial thrust (W)	280
Max. accessories load (mA)	500
Operating temperature (°C)	-20°C to +55°C
Protection fuses	2 replaceable fuses + 4 self-resetting fuses
Operating logics	Automatic (A)/ Automatic step by step (AP)/Manual (E)/ Manual step by step (EP)/Block of flats (D)
Opening/Closing time max. (sec)	60
Pause time	Adjustable on 7 levels from 5 seconds to 4 minutes
Encoder sensitivity	Adjustable on four levels
Inputs in terminal board	Mains power supply (230/115 Vac)/FCA and FCC limit switches/Photocells/ Stop/Open-Close/Open/Close/Failsafe/Batteries
Quick connector	3-Pin Molex connection for encoder/3-Pin input for receiver module
Outputs in terminal board	Motor power supply 24 Vdc/Flashing light 24 Vdc/Indicator light 24 Vdc max. 5 W/Beam lights 24 Vdc/Synchronisation for opposing barriers/Accessories power supply/Battery charger
Board dimensions (mm)	168 x 146

ACCESSORIES



RADIO FREQUENCY MODULES

RQFZ 3PIN for GENIUS.

433 MHz

Code **6100346**

868 MHz

Code **6100347**



Lynx 08



230V



Incorporated in Rainbow 724 C barrier

Code

6020561

Voltage and frequency	230 Vac 50 Hz / 115 Vac 60 Hz
Absorbed power (W)	5
Max. power at initial thrust (W)	480
Max. accessories load (mA)	500
Operating temperature (°C)	-20°C to +55°C
Protection fuses	2 replaceable fuses + 4 self-resetting fuses
Operating logics	Automatic (A)/ Automatic step by step (AP)/Manual (E)/ Manual step by step (EP)/Block of flats (D)
Opening/Closing time max. (sec)	60
Pause time	Adjustable on 7 levels from 5 seconds to 4 minutes
Encoder sensitivity	Adjustable on four levels
Inputs in terminal board	Mains power supply (230/115 Vac)/FCA and FCC limit switches/Photocells/Stop/Open-Close/Open/Close/Failsafe/Batteries
Quick connector	3-Pin Molex connection for encoder/ 3-Pin input for receiver module
Outputs in terminal board	Motor power supply 24 Vdc/Flashing light 24 Vdc/Indicator light 24 Vdc max. 5 W/Beam lights 24 Vdc/Synchronisation for opposing barriers/Accessories power supply/Battery charger
Board dimensions (mm)	168 x 176



RADIO FREQUENCY MODULES

RQFZ 3PIN for GENIUS.

433 MHz

Code **6100346**

868 MHz

Code **6100347**

XUSB


CE



Firmware update interface

Code

202274

Power supply voltage	24V  from control unit
Absorption without USB stick	30mA @ 5V (7mA @ 24V for accessory absorption calculation)
Operating ambient temperature	-20°C ÷ +55°C
USB type	USB 2.0 FAT or FAT 32

XUSB: the new firmware update accessory.

Allowing firmware updates via USB stick, XUSB connects directly to dedicated connectors, providing a useful update tool when the USB port on the circuit board is missing.

Once the firmware update is done, simply remove XUSB to use it on other compatible systems, ensuring maximum versatility.



XLC



XLC LOW-CONSUMPTION KIT

Code

390130

Power supply voltage	110-240V~ 50/60 Hz
Absorbed current	0.2 W in stand-by
Stand-by power	350 W including control unit consumption
Operating ambient temperature	-20°C ÷ +65°C

XLC: the new device designed to significantly reduce the power consumption of the control unit. In stand-by mode, power consumption is reduced to a maximum of 0.5W in compliance with EU Directive 2009/125/EC and EU Regulation 2023/826.

Thanks to this device, the control unit automatically enters low-power mode after a few minutes of inactivity, and then automatically switches off when needed.

This innovation not only actively contributes to reducing the environmental impact of our technologies, but also saves money in operating costs due to lower energy consumption.

XLC2



LOW-CONSUMPTION KIT FOR SPRINT 382 S CONTROL UNIT

Code

390137

Power supply voltage	110-240V~ 50/60 Hz
Absorbed current	0.2 W in stand-by
Stand-by power	650 W including equipment consumption
Operating ambient temperature	-20°C ÷ +65°C

SAFETY AND AUXILIARY DEVICES

PHOTOCELLS					
	Vega - Vega Bus	Vega Wireless	Orion	Polaris	Wired safety edge
PAGE	88	89	90	91	91

CONTROL DEVICES

KEY SWITCHES					
	Quick 1	Quick 2	Armo 2	Keypad controller	Decoder board
PAGE	92	92	93	93	93

RADIO CONTROLS AND RECEIVERS

	868MHZ JLC SYSTEM	433MHZ JLC SYSTEM	433MHZ RC SYSTEM
PAGE	94	96	98

MISCELLANEOUS ACCESSORIES

	Magnetic Detectors	Electric lock	Leaf block	Flashing lights
PAGE	100	101	101	102

Vega - Vega Bus - Vega Bus LC

CE



Vega

Code

6100147

Vega Bus



Code

6100148

Vega Bus LC

Code

6100372

Traditional technology, self-aligning 24Vac/Vdc and/or BUS (G-WAY) outdoor photocells, extremely compact consisting of a modulated infrared transmitter and receiver. The compact size enables easy positioning in small spaces. Compliant with European standard EN12453 – Type D

Vega

Power supply	24Vac/Vdc
Power consumption per pair	50 mA
Nominal coverage	20 metres
Alignment	Automatic

Vega Bus

Power consumption per pair	20 mA
Nominal coverage	15 metres
Alignment	Automatic
Self-alignment angle	+/- 7° (m 15) +/- 13.5° (m 5)



Vega Bus LC

Power consumption per pair	10 mA
Nominal coverage	15 metres
Alignment	Automatic
Self-alignment angle	+/- 7° (m 15) +/- 13.5° (m 5)

ACCESSORIES



COLUMN

For photocells.
Multiple quantity saleable
2 pcs.
H 50 cm.

Code 401070



COLUMN

For photocells.
Multiple quantity saleable
2 pcs.
H 100 cm.
For double application.

Code 401080



FOUNDATION PLATE

For column.

Code 737100

Vega Wireless



Batteries not included

Code

6100248

Wireless self-aligning outdoor photocells, extremely compact consisting of a modulated infrared transmitter and receiver. The compact size enables easy positioning in small spaces. Compliant with European standard EN12453 – Type D

Power supply	12 - 24 Vac/Vdc
Max. range	15 m
Alignment	Automatic
Power consumption RX	30 mA
Power consumption TX	40 μ A, Battery - 5 mA, 24 Vdc
Battery type and Life 3V CR2 TX	2 to 3 years ¹

1 - Battery life can vary according on the charge, type and environment/installation conditions of the battery used.

ACCESSORIES



COLUMN
For photocells.
Multiple quantity saleable
2 pcs.
H 50 cm.

Code **401070**



COLUMN
For photocells.
Multiple quantity saleable
2 pcs.
H 100 cm.
For double application.

Code **401080**



FOUNDATION PLATE
For column.

Code **737100**





Code

JA310

Directional outdoor photocells with modulated infrared beam alignment. Professional and particularly suitable for long distances. Extremely versatile, can also replace recessed photocells, covering any type of hole in the pillar. Quick installation. Compliant with European standard EN12453 – Type D

Power supply	24Vdc (19-35 Vdc)
Power consumption	TX 20mA – RX 30mA
Nominal coverage	30 metres
Detection angle	+/- 4°
Contact type	NO/NC

ACCESSORIES



FIXING PLATE
Side, right angle.
1 pair.

Code **JA331**



FOUNDATION PLATE
For column.

Code **737100**



COLUMN
For photocells.
Multiple quantity saleable
2 pcs.
H 50 cm.

Code **401070**



COLUMN
For photocells.
Multiple quantity saleable
2 pcs.
H 100 cm.
For double application.

Code **401080**

Polaris

CE



Code

6100224

Recessed directional photocells with modulated infrared beam alignment. Suitable for long distances, up to 30 metres. Compliant with European standard EN12453 – Type D

Power supply	24Vdc/Vac
Power consumption	TX 30mA – RX 60mA
Nominal coverage	30 metres
Obstacle detection time	7 m sec.
Ambient temperature	-20° +55°C

Wired safety edge

CE



Length 1700 mm.

Code

A13017

Length 2000 mm.

Code

A13020

H. 60 mm, assembled, complete with end plug, aluminium mounting profile and safety micro switches. Auxiliary safety device.

Quick 1 - Quick 2

CE



Quick 1

Outdoor key switch, with one anti-tamper NO/NC changeover contact.

Code	Package
JA31101 - 10	1

*(each code corresponds to a different key number).

Quick 2

Outdoor key switch, with two anti-tamper NO/NC changeover contacts.

Code	Package
JA31301 - 10	1

*(each code corresponds to a different key number).

ACCESSORIES



FIXING PLATE
Side, right angle.
1 pair.

Code **JA331**



COLUMN
For photocells.
Multiple quantity saleable
2 pcs.
H 100 cm.

Code **401075**



COLUMN
For photocells.
Multiple quantity saleable
2 pcs.
H 100 cm.
For double application.

Code **401080**



FOUNDATION PLATE
For column.

Code **737100**

Armo 2 selector



ARMO2 KEY SELECTOR WITH LEVER RELEASE

Code	Name
6100340	Armo 2 selector



Keypad controller



Keypad controller for outdoor use, 12-key, anti-tamper, aluminium with painted steel cover.

Code	Name
JA108	Keypad controller



Decoder board



Decoder board for keypad controller, two-channel, up to four keypads can be connected.

Code	Name
A10801	Decoder board



868MHz JLC SYSTEM

Kilo N TX2



Two-channel and four-channel 868MHz transmitters.

- A self-learning Rolling Code type coding system is used (JLC = Jumping Learning Code). The code, which is generated by a complex algorithm, is always different for each activation and is always synchronised with the information expected by the receiver.
- The PATENTED self-learning technology (from receiver to radio control without having to access the receiver) means that the transmitter's code can be duplicated on other radio controls
- The patented design has been completely revamped to improve ergonomics and user experience.

Kilo N TX4



Kilo TX2

Code	Description	Model	
787034	Two-channel	Kilo N TX2	

Kilo TX4

Code	Description	Model	
787035	Four-channel	Kilo N TX4	



Plug-in receivers with 5-pin Molex connector compatible with Genius CONTROL UNITS with 5-pin connectors.

Code	Description	Package	
6100367	Single channel plug-in receiver 868 MHz LC	1	
6100353	Two-channel receiver 868 JLC	1	



RQFZ frequency Module with 3-pin plug-in connector, compatible with Genius CONTROL UNITS with integrated radio signal decoding and 3-pin connector.

Code	Description	Package	
6100347	RQFZ module 868	1	



Outdoor two-channel and four-channel receivers, wired connection, 12-24 Vac Vdc power supply, with integrated radio signal decoding. Also designed for mounting on a DIN rail.

Code	Description	Package	
6100364	INTERMODO R2 433-868	1	
6100365	INTERMODO R4 433-868	1	

RADIO CONTROLS AND RECEIVERS

ACCESSORIES



ANTENNA
Tuned 868MHz antenna complete with mounting bracket and 5m coaxial cable for outdoor installation or on a GUARD model flashing light.

Code JA339



INTERFACE BOARD
Interface board, complete with enclosure, for outdoor installation of 5-pin plug-in receivers. Power supply 24VAC/ VDC.

Code JA337



INTERFACE BOARD
Set of 6 interface boards for 5-pin plug-in receivers

Code 6020028

433MHz JLC-RC SYSTEM

Kilo N TX2



Kilo N TX4



TRANSMITTERS



Two-channel and four-channel 433MHz transmitters.

- A self-learning Rolling Code type coding system is used (JLC = Jumping Learning Code). The code, which is generated by a complex algorithm, is always different for each activation and is always synchronised with the information expected by the receiver.
- The PATENTED self-learning technology (from receiver to radio control without having to access the receiver) means that the transmitter's code can be duplicated on other radio controls.
- Compatible with RC coding.
- The patented design has been completely revamped to improve ergonomics and user experience.

Kilo TX2

Code	Description	Model
787036	Two-channel	Kilo TX2

Kilo TX4

Code	Description	Model
787037	Four-channel	Kilo TX4



Plug-in receivers with 5-pin Molex connector compatible with Genius CONTROL UNITS with 5-pin connectors.

Code	Description	Package
6100351	Single channel receiver 433 JLC	1



RQFZ frequency Module with 3-pin plug-in connector, compatible with Genius CONTROL UNITS with integrated radio signal decoding and 3-pin connector.

Code	Description	Package
6100346	RQFZ module 433	1



Outdoor two-channel and four-channel receivers, wired connection, 12-24 Vac Vdc power supply, with integrated radio signal decoding. Also designed for mounting on a DIN rail.

Code	Description	Package
6100364	INTERMODO R2 433-868	1
6100365	INTERMODO R4 433-868	1

ACCESSORIES



ANTENNA
Tuned 433MHz antenna complete with mounting bracket and 5m coaxial cable for outdoor installation or on a GUARD model flashing light.

Code 6100012



INTERFACE BOARD
Interface board, complete with enclosure, for outdoor installation of 5-pin plug-in receivers. Power supply 24VAC/VDC.

Code JA339



INTERFACE BOARD
Set of 6 interface boards for 5-pin plug-in receivers

Code 6020028

Echo TX4



Four-channel 433MHz transmitters.

- The RC (Rolling Code) decoding system is a dynamic coding system. The code is therefore always different for each activation and is always synchronised with the information expected by the receiver.

Code	Description	Model	Package
6100334	Four-channel	ECHO TX4	1

Plug-in receivers with 5-pin Molex connector compatible with Genius CONTROL UNITS with 5-pin connectors.



Code	Description	Package
6100366	Single channel plug-in receiver 433 MHz LC	1
6100355	Two-channel receiver 433 RC	1

RQFZ frequency Module with 3-pin plug-in connector, compatible with Genius CONTROL UNITS with integrated radio signal decoding and 3-pin connector.



Code	Description	Package
6100346	RQFZ module 433	1

433MHz RC SYSTEM

RECEIVERS



Outdoor two-channel and four-channel receivers, wired connection, 12-24 Vac Vdc power supply, with integrated radio signal decoding. Also designed for mounting on a DIN rail.

Code	Description	Package
6100364	INTERMODO R2 433-868	1
6100365	INTERMODO R4 433-868	1

ACCESSORIES



ANTENNA
Tuned 433MHz antenna complete with mounting bracket and 5m coaxial cable for outdoor installation or on a GUARD model flashing light.

Code 6100012



INTERFACE BOARD
Interface board, complete with enclosure, for outdoor installation of 5-pin plug-in receivers. Power supply 24VAC/VDC.

Code JA339



INTERFACE BOARD
Set of 6 interface boards for 5-pin plug-in receivers

Code 6020028

MAGNETIC DETECTORS

RMG 1



Inductive vehicle detection system, single or double channel, high performance, installed in a compact housing with standard round 11-PIN industrial connector.

The system's tripping sensitivity can be adjusted to adapt to any type of vehicle.

- Automatic frequency tuning.
- The oscillation frequency of each loop is checked and measured at power-up.
- Four frequency settings.
- Continuous operating frequency updating.
- Loop interruption or short-circuit signal.
- Multi-function signalling LED.
- Adjustment via potentiometers.
- DIN rail mounting.

RMG 2



RMG 1 - Single-channel

Code	
6100131	

RMG 2 - Two-channel

Code	
6100132	

	RMG 1	RMG 2
Power supply (Vac/Vdc)	12 - 24	
Absorbed power (W)	< 2.5	
Ambient temperature	-30°C to 70°C	
Loop inductivity (H)	20 – 1000	
Frequency range (kHz)	20 - 130 kHz on 2 levels	
Tripping sensitivity	from 0.005% to 0.5% (Δ/f) in 250 stages	
Reaction time	25 ms	50 ms per channel
Presence time	from 1 min. to infinity in 250 stages	
Loop power cable (m)	< 100	
Relay contacts rating	230 Vac – 5A (resistive)	
Pulse duration (ms)	100 or 500	
Dimensions (mm)	77 x 40 x 75 (h)	
Loops managed	1	2

N.B. Magnetic detectors must be installed in suitable enclosures. Use a single-core 1.5 mm² diameter cable for the loop. The loop must be at least 15 cm away from metal objects and at a depth of no greater than 5 cm from the floor surface.



Electric lock

CE



Code	Description	Package
712650	12Vac power supply, electric lock complete with floor slot	1
712990	Slot for deadbolt with pillar (swing gates)	1
712651001	Internal cylinder with 2 keys	1
712652001	External cylinder with 2 keys	1



Leaf block

CE



Code	Description	Package
401026	block, ambidextrous	1



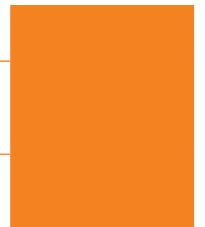
Guard

CE



Guard is a flashing light designed for installation in a range of configurations with maximum positioning flexibility on pillars or walls. Available in 115/230V and 24V versions. LED lighting to ensure maximum visibility even in daylight. All models have an integrated antenna.

Code	Description
6100315	Guard LED 230Vac
6100316	Guard LED 24Vac



Leddy

CE



24 Vdc flashing light with integrated flashing management. To be used exclusively with the Zodiac operator for sectional and up and over doors

Code	Description
6100190	LEDDY 24 Vdc



GENERAL CONDITIONS OF SALE

1. OBJECT AND SCOPE

1.1. These "General Terms and Conditions of Sale" (hereinafter, the "**Conditions**") apply to any and all sale or supply agreements (hereinafter, jointly defined, the "**Contracts**" and, individually, the "**Contract**") executed between FAAC S.p.A. soc. Unipersonale, (hereinafter, "**FAAC**"), as vendor, and the direct client of FAAC, as purchaser (hereinafter, jointly defined, the "Clients" and, individually, the "**Client**"), which concerns the products manufactured and/or sold by FAAC, including but not limited to automations for barriers, doors, gates, tubular, traffic bollards, access control software and their accessories (hereinafter, jointly defined, the "**Products**" and, individually, the "Product"). These Conditions, therefore, apply only towards the Clients and don't extend to third parties.

1.2. The final user (hereinafter, the "**Final User**") to whom the Products are sold and/or installed must exclusively contact its own retailer for any warranty. It's expressly understood that, if the Final User is a "consumer", the warranty will be regulated by European laws for the consumer protection.

1.3. Except as provided in these Conditions and only to the extent mandatorily required by law, any right of recourse of the seller/retailer and/or the Client to FAAC is expressly excluded.

1.4. If the Client or the retailer also performs the installation of the Products, he must guarantee the correct installation, the connected activities (i.e. building works and electrical works) and the compliance with the local laws (if any) on safety, releasing all the necessary documentation.

2. PREVALENCE

2.1. In the event of any discrepancies between the provisions of this Conditions and those provided for in the Contract, the provisions of the Contract shall prevail, if agreed in writing.

2.2. In no case shall any general conditions of contract of the Client will be binding on FAAC, even if mentioned or included in orders or in any other documents transmitted by the Client to FAAC. No conduct of FAAC shall be interpreted or used to express tacit acceptance of FAAC to the general condition of contract of the Client. Therefore, all Contracts, offers, acceptance of orders and all deliveries by FAAC shall be deemed to have been made pursuant to the following. Conditions, except as otherwise expressly provided in writing by FAAC.

3. EXECUTION OF THE CONTRACT, TOLERANCES

3.1. Except as expressly indicated in point 3.3 below, the Contracts between FAAC and the Client shall be concluded as follows:

The Client is bound to his order for a period of 14 days from receipt by us. The order shall be issued in accordance with the relevant Offer (if any) and the present Conditions that shall be duly signed and attached to the above-mentioned order.

That said, Contracts between FAAC and the Client shall only come into effect upon FAAC's written order confirmation or delivery (acceptance) (hereinafter, the "Order Confirmation"), at the conditions set forth in the relevant Offer (if any) and the Order Confirmation.

3.2. Except as expressly indicated in point 3.3 below, the Contracts between FAAC and the Client shall be concluded in accordance with the provisions set forth in this clause. Any offer that may be issued by FAAC (hereinafter, the "**Offer**") shall in no event be binding upon FAAC and shall not result in the conclusion of a Contract but shall solely represent the terms for the sale/supply of the Product(s) pursuant to these Conditions. The order submitted by the Client (hereinafter, the "**Order**") shall therefore be drafted in accordance with the relevant Offer (where applicable) and with these Conditions, with full acceptance of all terms contained herein.

It is expressly understood that the Contract between FAAC and the Client shall be deemed concluded exclusively upon FAAC's issuance, at its sole discretion, of a written order confirmation to the Client (hereinafter, the "**Order Confirmation**"). The Order Confirmation may be issued within no later than 10 business days from the date on which FAAC receives the Order. Upon expiry of such term, failure by FAAC to send the Order Confirmation shall constitute an implicit rejection of the Order, unless otherwise agreed in writing between the parties.

In any event, performance of the Contract shall take place under the terms set out in the Conditions, the Offer (where applicable), and the Order Confirmation.

3.2. The Contract cannot be terminated for convenience by the Client, except with the written consent of FAAC. It is understood that in such event the Client shall indemnify and hold FAAC harmless of any loss, cost, or damage suffered by FAAC because of such termination by the Client.

3.3. It is expressly understood that the execution of the Contract by FAAC is conditioned upon the obligation of the Client to pay any previous outstanding invoices not paid by the Client to FAAC in the agreed terms.

4. SELLING PRICE OF THE PRODUCTS

4.1. Unless otherwise agreed in writing by FAAC and the Client, the prices applicable to each sale/supply of Products are indicated in FAAC's price list in force as of the date of conclusion of the Contract (hereinafter "Selling Price"), and the Selling Price is expressed in EURO.

4.2. The Selling Price, as well as any discounts applied by FAAC, shall be intended net of VAT and are subject to changes during the validity of FAAC's price list.

4.3. Unless otherwise agreed in writing by FAAC and the Client, the Selling Price is intended "FCA" (in accordance with the most recent edition of the ICC'S Incoterms) – at FAAC's place of business in Zola Predosa (Bologna – Italy) or at other FAAC's storages – VAT and shipping cost excluded.

5. PAYMENT

5.1. Except as otherwise agreed in writing, payment for all Products shall be effected by means of:

(A) An irrevocable letter of credit ("L/C"), confirmed by a primary International bank, which has an official branch in the Client's country, in compliance with publication 500 of the International Chamber of Commerce as updated from time to time, and valid for at least 30 days from the anticipated date of final delivery; or in alternative,

(B) a bank wire transfer in accordance with the payment terms agreed in writing by FAAC and the Client.

5.2. Delivery of the Products is conditional upon the issuing of the above L/C's or the payment of the price by any other means, which may have otherwise been authorised in writing by FAAC. Regardless of the means of payment agreed upon, it is understood that payments shall be deemed to have been effected at FAAC's place of business.

5.3. Except in cases of wilful misconduct, gross negligence, or where mandatorily required by law, under no circumstance shall the Client be entitled to suspend and/or delay payment of the Products or raise any claim in relation thereto until full payment has been made. In the event of any missing payment, FAAC shall be entitled to exercise its right provided under the laws in force where the Client is established in relation to late payment in commercial transaction, without prejudice to its right to seek any further damages. In any event, FAAC may, (i) terminate the Contract in relation to the Products not yet delivered and/or (ii) delay the carrying out of any order in hand, inter alia, by suspending delivery of the Products until such time as all outstanding debts owed by the

Client to FAAC have been paid.

6. OTHER EXPENSES AND DUTIES

6.1. Unless otherwise agreed between FAAC and the Client, the price applied to any sale of Products are for delivery "FCA" (in accordance with the most recent edition of the ICC's Incoterms) at FAAC's place of business in Zola Predosa (Bologna – Italy) or at other FAAC's storages, therefore FAAC shall not enter into any shipment or transportation agreement and shall not insure the Products, unless the Client should so expressly instruct FAAC in writing, being understood in any event that any and all risk and expenses in relation thereto shall be borne exclusively by the Client.

6.2. The Client agrees promptly to collect the Products upon receiving notice that the Products are ready and at its disposal and, in any event, within 8 (eight) days of the date of said notice.

6.3. Any and all taxes, duties, levies, licenses, authorisation, permits and any and all tax and administrative formalities relating to the importation and/or resale of the Products shall be borne and carried out exclusively by the Client or, alternatively, they may be carried out by FAAC at the Client's sole risk, expense and responsibility.

6.4. Standard packing of the Products suitable for air, land and sea transportation in container will be provided by FAAC free of charge. If the Client requires any special packing, the full cost of said special packing shall be invoiced by FAAC to the Client.

7. DELIVERY

7.1. All the delivery dates given by FAAC shall be deemed as indicative, not binding and are expressed in working days. In any event of late delivery, the Client shall not be entitled to cancel the Contract or to any compensation for damages of whatever nature.

7.2. Unless otherwise agreed between FAAC and the Client, as mentioned before the Products shall be delivered "FCA" (in accordance to the ICC's Incoterms 2020) at FAAC's place of business in Zola Predosa (Bologna – Italy) or at other FAAC's storages and, therefore, the Products are delivered (that is, the risks and costs pass from FAAC to the Client) when they are loaded on the carrier's means of transport made available by the Client.

7.3 The Products thus delivered to Client must not be returned by the latter to FAAC for any reason, unless authorized in writing by FAAC which will indicate also the terms and conditions of such authorized return (hereinafter, "**Commercial Return**").

7.4 In case of missing or excess Products, the Customer must inform the relevant customer service of FAAC by @mail within 15 (fifteen) days following the receiving date of the Product.

8. QUALITY STANDARDS

8.1. FAAC does not represent or guarantee the Client that the Products comply with the applicable laws and regulations in force in the country where the Client is established or where the Products are to be sold and/ or delivered and/or installed. FAAC shall have no obligation to modify the Product in compliance with said laws or regulations and the Client shall be solely responsible for ensuring that the Product and any services of the Client conform to the applicable technical and safety standards, laws, and regulations in force in that country.

8.2. The Client, moreover, acknowledges that the Products may be dangerous to persons or property when not installed or not used in strict compliance with the instructions for installation and use supplied by FAAC and with the safety requirements specified in the technical standards. Except in cases of FAAC's willful misconduct or gross negligence, FAAC

expressly disclaims liability for any personal injury or property damage resulting from installation or use of the Products, other than in strict compliance with FAAC's written instructions with respect to installation and use, or from installation or use of the Products together with safety accessories or other Products not manufactured by FAAC, being understood that the maximum liability of FAAC to the Client arising out of or in connection with the Product and based on a claim of breach or under the warranty, shall in no case exceed the price paid to FAAC for the Product which gives rise to the claim and, therefore, in no event FAAC shall not be liable also for special and consequential damages including, without limitation, loss of profits and indirect damages.

9. WARRANTY

9.1. FAAC warrants and guarantees to the Client that all new Products shall be free from manufacturing defects, under normal use and service, for a period of 30 (thirty) months from the manufacturing date (as shown on the tag plate of each Product) (the "Warranty Period").

9.2. The Client acknowledges and agrees that, except in cases of willful misconduct or gross negligence, FAAC's warranty is expressly limited to manufacturing defects, and said warranty shall not extend to any damage to the Products resulting from other causes, including, without limitation, misuse, transportation, or faulty installation thereof. Accordingly, FAAC's exclusive warranty action shall be the repair or replacement of the defective part of the Product free of charge at FAAC's own workshop unless otherwise agreed in writing between FAAC and the Client.

Except in cases of willful misconduct or gross negligence, the maximum liability of FAAC towards the Client, arising out of or in connection with the Products in question and based on a claim of breach or repudiation of warranty, shall in no event exceed the price paid to FAAC for the Product(s) concerned, and, in addition, FAAC shall not be liable also for special and consequential damages of the Client including, without limitation, loss of profits and indirect damages.

With the prior written authorization of FAAC, the Client shall send the part to be repaired or replaced, free of charge, and FAAC shall examine said part to determine whether it is defective and whether the manufacturer is responsible for the defect; in which case only FAAC shall repair or replace the part, in its sole discretion, and shall send the repaired or replacement part to the Client who shall bear the cost of transportation and installation only. Any Products which may have been returned without FAAC's prior written authorisation shall not entitle the Client to any credit notes or reimbursement. In any event, any and or risk and expenses relating to the return of the Products shall be born exclusively by the Client.

Any claims relating to the defects of the Product in question, together with all the necessary photographic evidences of the claimed defect, must be sent to FAAC by registered letter or by @mail or, in general, any electronic/informatics tools within (i) 8 (eight) days following the receiving date of the Product in the case of evident defects and/or (ii) 8 (eight) days following the date of discovery in the case of latent defects and in any event, within the Warranty Period, failing which the Client shall lose all right to bring any claim in relations thereto. Any and all further or other warranties, are they expressed or implied, including without limitation any warranties provided by law, shall be deemed excluded and superseded by these Conditions. FAAC further disclaims all expressed, statutory, or implied warranties applicable to Products and accessories which are not manufactured by it.

9.3. Unless otherwise agreed between FAAC and the Client, (i) the Product, repaired or replaced, will be sent to the Client in full charge of the Client (FCA); (ii) warranty intervention does not extend the original warranty period of the Product and does not initiate a new warranty period for the repaired or replaced part; (iii) the repaired or replaced part will be owned by FAAC; (iv) the Customer will lose the warranty if he does not pay the invoices.

9.4. Warranty excludes the damages connected to: (i) transport; (ii) faults and/or negligence and/or inadequacy of the installation and of the use of the electrical system; (iii) tampering by unauthorized personnel or the use of components and / or non-original spare parts; (iv) defects caused by chemical agents or atmospheric and / or natural phenomena in general; (v) the installation of the Products not according to the rules of the art, safety and compliance of use expressly indicated in the technical documentation of the same Products. Furthermore, warranty does not include (vi) the consumables; (vii) interventions for verification of any faults not found; (viii) compensation for the period of inactivity of the plant where the Products are installed.

10. TITLE

10.1. Title to the Products shall pass to the Client only upon payment in full of the sale price of the Products. In the event of default by the Client, FAAC shall be entitled, without any formalities, including notice of default, to repossess all of the Products with respect to which title has not yet passed to the Client, wherever said Products may be; in addition, FAAC reserve the right to seek any other judicial remedies available to it in respect of the damages suffered.

11. PRIVACY

11.1. Under the clause 13 of the del Regulation (UE) 2016/679, FAAC, as data controller (hereinafter, the "Data Controller"), inform the Client that all the data disclosed by the Client in the performance of the Contract which is personal shall be processed according to such Regulation 2016/679 and, therefore, declare as follows: (a) the processing of data will be carried out, in compliance with such Regulations, by means of paper, computer or telematics means capable of storing, managing, transmitting the data itself, however by means of suitable means to guarantee their security and confidentiality; (b) the objective of the processing will be related and instrumental to the conclusion, management and execution of the Conditions and the Contracts and for any administrative and accounting purposes connected with them (for example, but not limited to, handling of orders and invoices, drafting contracts including credit insurance; assignment of claim agreement; transportation and/ or shipment agreement; etc.); for marketing purposes related to similar products to those already acquired, because it is a lawful interest of FAAC (under clause 6, Regulation 2016/679); for purposes related to the enforcement of legal obligations, regulations, Italian and UE regulations, as well as to order of competent Authority; (c) the transfer of the data is mandatory for all that is required by legal and contractual obligations and therefore any refusal by the Client to communicate the data or to enable it to be processed subsequently may cause the impossibility for FAAC to give rise to the obligations of the Contract; the transfer is discretionary for marketing activities; (d) the data will not be disclosed, but can be communicated exclusively for the above purposes, to the appropriate authorized persons for which will be necessary to make such communication for the purposes set out in the above letter (b), such as the other companies in the group to which FAAC belongs; (e) the Client has the right to access to its personal data, emend, cancel, limit the processing, to oppose, in addition to the right to portability, by submitting formal requests directly to the Data Controller; the Client has also the right to make a claim to the supervisory Authorities; (f) the data will be stored for commercial and marketing purposes for all the duration of the commercial relationship between FAAC and the client; after for the sole law's purpose; (g) the Data Controller is FAAC, Via Calari n. 10, Zola Predosa, Bologna – Italy.

12. FORCE MAJEURE

12.1. FAAC shall not be liable or reasonable to the Client for any failure or delay in performing of fulfilling any obligations undertaken in reference to the supply of the Product when such failure or delay is caused by occurrences beyond FAAC's reasonable control, or in any case caused by an event of force majeure, including, but not limited to, late delivery or nondelivery of materials by suppliers, strikes and other trade union actions, terrorist activities, suspension of electrical energy, entering in force of International sanctions and/or trade limitations, pandemic, difficulties in transportation. In the event of such events, the activities which cannot be performed shall be automatically postponed, without any penalty for FAAC, for a period equal to the situation of force majeure.

13. APPLICABLE LAW AND DISPUTE RESOLUTIONS

13.1. Unless provided at art. 13.2 below, any dispute that may arise in relation to the interpretation, performance, execution, validity and/or dissolution of the Contracts and/or connected to the Contracts, will be exclusively governed to the Italian laws - with the express exclusion of the 1980 Vienna Convention - and, the Court of Milan will have exclusive jurisdiction.

13.2. Any dispute related to and/or connected to breach of the obligations set forth in the art. 5 of this Condition will be exclusively governed to the Client's national laws - with the express exclusion of the 1980 Vienna Convention - and the competent Court will be the court where the Client is established.

14. OTHER

14.1. The invalidity or unenforceability of any provision, or portion thereof, of this Conditions shall not affect the validity or enforceability of any other provision.

14.2. Any failure by FAAC to enforce any of its rights under this Conditions shall not be construed as a waiver of said rights.

14.3. This Conditions supersede any prior agreement, whether written or oral, between FAAC and the Client, with respect to the subject matter.

14.4. Any amendment to this Conditions shall be effective only if made in writing and duly signed by the FAAC and the Client.

14.5. All documents, information, data, contents, intellectual property rights relating to and/or connected to the Products—including, but not limited to, trademarks, patents, designs, models, copyrights, software, hardware, know-how, and/or other distinctive signs, whether registered or not—are and shall remain exclusive property of FAAC (hereinafter, the "**Intellectual Property**"), regardless of the termination of these Conditions and/or the Contract for any reason whatsoever. Sale/supply of the Products does not imply any assignment, concession and/or transfer of the Intellectual Property to Customer and/or any third party.

Unless otherwise agreed in advance and in writing by FAAC, Customer undertakes not to use the Intellectual Property for purposes other than those provided for in these Conditions and/or the Contract as well as not to reproduce, remove, alter, suppress, disseminate, disassemble, rework, modify, reverse engineer and/or otherwise exploit the Intellectual Property, in any manner and/or form. Customer further undertakes not to register, attempt to register or otherwise protect the Intellectual Property nor any intellectual property right—including, but not limited to, any trademark, patent, design, model, copyright, software, hardware, know-how, and/or other distinctive sign—identical, similar, and/or confusingly similar to the Intellectual Property.

Unless otherwise agreed in advance and in writing by FAAC, any software contained in the Products is property of FAAC, which grants Customer a royalty-free, non-exclusive,

non-transferable, and non-sublicensable license to use the afore-mentioned software, provided that Customer uses it in compliance with all provisions of these Conditions and/or the Contract.

Violation of even one of the provisions as set into this clause 14.5. entitles FAAC to immediately terminate the Contract, without prejudice to any further rights and/or remedies provided, to the maximum extent possible, by the Applicable Law, these Conditions and/or the Contract.

14.6. FAAC has implemented a Code of Ethics which is available on web site of FAAC www.faactechnologies.com and which the Client accepts to comply in every terms..

14.7. In accordance with the laws in force, including but not limited to the Regulation (EU) 2018/1912, in case of FAAC is the sender of the shipment, FAAC shall provide the carriage of goods document called International Consignment Note (hereinafter, the "**CMR**") to the Client by courier. The Client shall return to FAAC the duly signed CMR within 10 days of delivery of the Products and shall also send a digital copy to the following email address: orders.it@faactechnologies.com.

Conversely, for shipments under EXW or FCA terms, the Client shall be deemed the sender of the shipment, according to the aforementioned laws. In such cases, the Client shall nonetheless submit the duly signed CMR to FAAC within the timeframe indicated in this clause 14.7. Failure by the Client to return the duly signed CMR in accordance with clause 14.7. shall entitle FAAC to charge the Client any applicable VAT, if and when re-requested by the competent Authority.

14.8. FAAC S.p.A., although operating in the field of design, production and commercialization of solutions for pedestrian and vehicle access control automations, cannot rule out that some its marketed goods fall under those whose export and/or use in Russia, Belarus and the independent Ukrainian republics (hereinafter, the "**Countries**") is prohibited by EU Regulation No. 833/2014 and its subsequent amendments (hereinafter, the "**Regulation**"). Given FAAC S.p.A.'s interest in compliance with the Regulation, therefore, the Client commits not to export and/or use in the Countries, directly or indirectly, the Products that are subject to the Contract. In the event of non-fulfilment, FAAC S.p.A. reserves the right to legally terminate the Contract and/or cease business relations with the Client, excluding any liability on FAAC S.p.A..

14.9. The Client shall not, under any circumstances, use the Products, nor allow the Products to be used, directly or indirectly, for any activities or operations connected with the development, production, handling or deployment of weapons, munitions, armaments, military equipment, or for any purpose that may result in violations of personal freedoms or human rights. The Client further undertakes not to modify, transfer, resell, or otherwise make the Products available where such use could reasonably be considered possible. Any breach of clause 14.9. shall entitle FAAC to immediately terminate the Contract without prejudice to any further rights or remedies, excluding any liability on FAAC S.p.A.

14.10. The Client represents and warrants that it does not, directly or indirectly, engage in any business dealings or maintain any relationships, commercial or otherwise, that would violate any sanctions or restrictive measures issued by the United States of America (U.S.), the United Kingdom (U.K.), the European Union (E.U.), or any other competent Authority.

The Client further declares that (a) it is not itself designated, listed, or otherwise subject to any sanctions, and (b) it does not, in any capacity, subcontract, cooperate with, or maintain commercial or financial relationships with individuals or entities subject to such sanctions, nor does it employ or engage any intermediaries acting on behalf of sanctioned parties.

Any breach of clause 14.10. shall entitle FAAC to immediately terminate the Contract without prejudice to any further rights or remedies, excluding any liability on FAAC S.p.A.

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