

GENIUS®

AUTOMATED SYSTEMS

FOR GATES

GARAGES | INDUSTRIAL

DOORS

AUTOMATED SYSTEMS FOR GATES | GARAGES

INDUSTRIAL DOORS

BARRIERS

BARRIERS

AUTOMATED SYSTEMS FOR GATES

CATALOGUE 2023

SIMPLE, SAFE,
PRACTICAL:
AUTOMATION IS
GENIUS



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

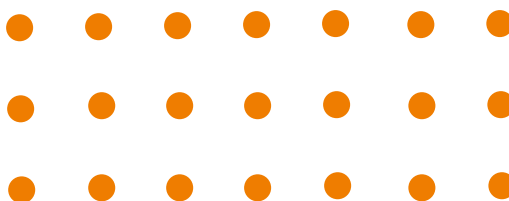
This is Genius, a brand with a strong consolidated expertise, whose products satisfy all the major needs in terms of automation systems for gates, roller shutters, sectional doors and automatic barriers.

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 boards. 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 PATENT

ENV
PATENTED

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 15 (swing gate) board.

G-WAY BUS

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 15 for 24V swing gate automations;
- BRAIN 19 for 230V swing gate automations;
- SPRINT M24 for 24V sliding gate automations.

Communication protocols

G-DEC

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.



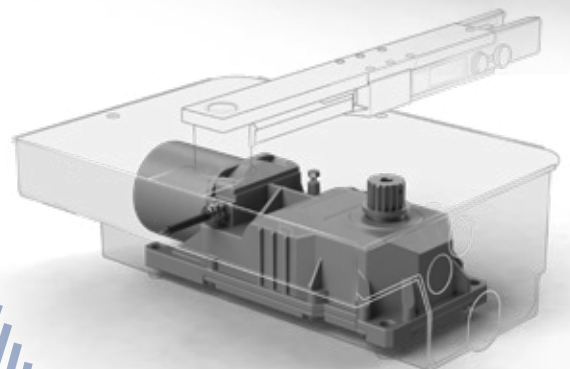
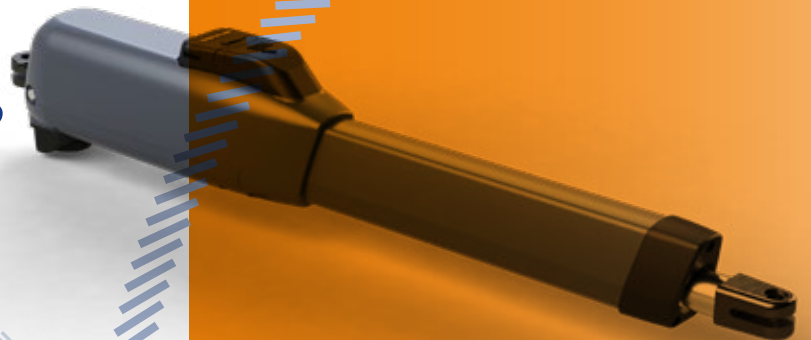
PROcoder can be used with BRAIN15 electronic boards (for 24V swing-leaf gates) or BRAIN 19 (for 230V swing-leaf gates).

- 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



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Sirocco

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Blizzard
24V/230V

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Rainbow

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Trigon K

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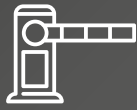
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AUTOMATIC BARRIERS



SLIDING GA

GENIUS[®]
WORLD

INDUSTRIAL DOORS



GA

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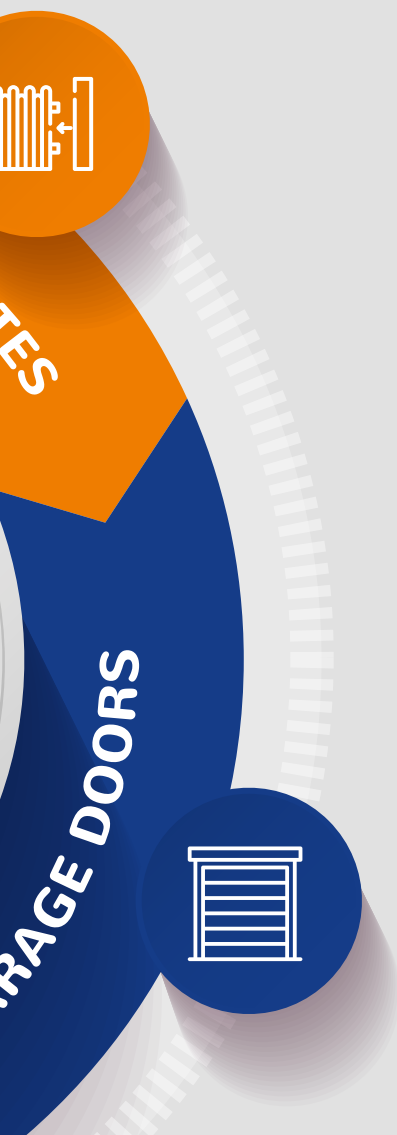
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230V



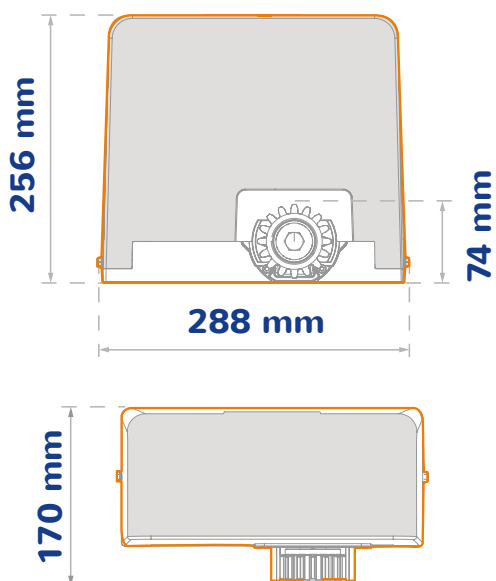
24V

BUILT-IN
ENCODER



Easy to locate
release device
with key lock
(optional)

Aluminium base



GEARMOTOR FOR SLIDING GATES

Magnetic limit switches.

Electronic board 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 Page 76

24V

Available in versions for gates up to 400 kg.

Complete movement control and effective reverse on obstacle response.

CONTROL BOARDS

Sprint M24 Page 77

230V

Code	Name	Version	Voltage	Leaf Weight	Use
61100821	Blizzard 500 C ENC	Non-reversible – integrated Sprint 382 and built-in Encoder	230V	500 kg	Residential buildings/ Apartment complexes
61100861	Blizzard 900 C ENC	Non-reversible – integrated Sprint 382	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 +55	
Protection rating	IP44	
Weight (kg)	9.2	10

24V

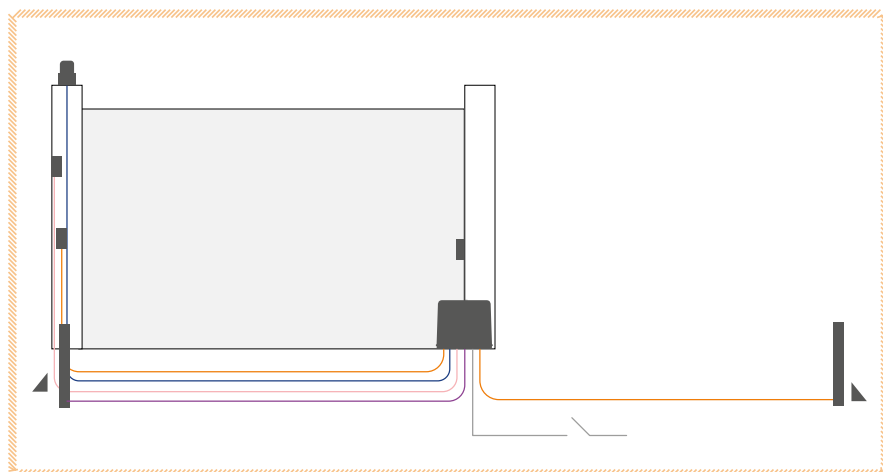
Code	Name	Version	Voltage	Leaf Weight	Use
6110080	BLIZZARD 400 C ENC	Non-reversible – integrated Sprint M24	24V	400 kg	Residential buildings/ Apartment complexes

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 +55
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	6100352	
1	Two-channel transmitter KILO TX2 JLC	6100332	
1	Flashing light GUARD 230V	6100315	
1	Pair of VEGA photocells	6100147	
1	QUICK 1 external key button	JA31101-10	

TOTAL (NET OF VAT)

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 TX2 JLC	6100332	
1	Flashing light GUARD 24 V	6100316	
1	Pair of VEGA BUS photocells	6100148	
1	QUICK 1 external key button	JA31101-10	

TOTAL (NET OF VAT)

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 control board, built-in encoder and lock-protected release device)	1		
737000	Foundation plate	1		
6100332	6100334	Two-channel Transmitter Kilo TX 2	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		
6100352	6100354	Single channel plug-in receiver 868 MHz	Single channel receiver 433 MHz RC	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 control board built-in encoder and lock-protected release device)	1		
737000	Foundation plate for Blizzard	1		
6100332	6100334	Two-channel Transmitter Kilo TX 2	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		
6100352	6100354	Single channel plug-in receiver 868 MHz	Single channel receiver 433 MHz RC	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
6100148	Pair of VEGA BUS photocells	1
6100332	Two-channel Transmitter Kilo TX 2	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

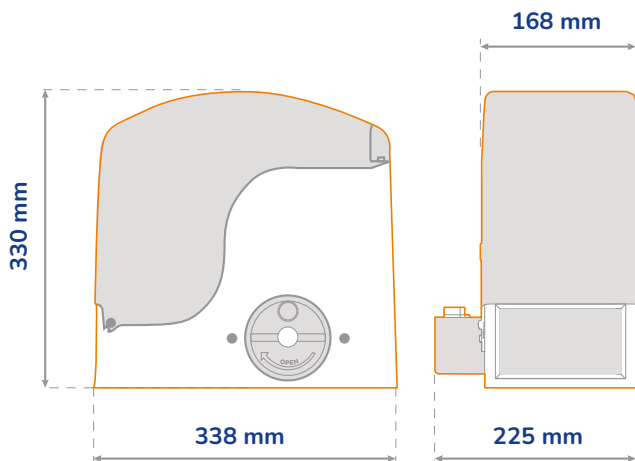
Internal kinematic mechanism consisting of a bronze crown wheel and a steel worm-screw

Magnetic limit switches

Electronic board with transparent plastic enclosure and external programming buttons

Rotating control panel for easier programming

Polyester powder coated body.



CONTROL BOARDS

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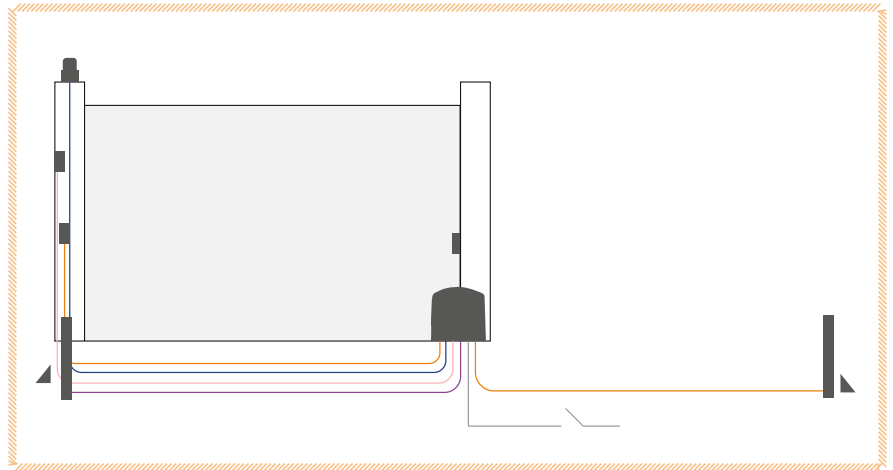
Code	Name	Version	Voltage	Leaf Weight	Use
6110002	Falcon M14 C	Non-reversible - integrated Sprint 382	230V	1400 kg	Industrial
6110022	Falcon M20 C	Non-reversible - integrated Sprint 382	230V	2000 kg	Industrial

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 +55
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	6100352
1	Two-channel transmitter KILO TX2 JLC	6100332
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



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

Code **JA146**



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

Code **JA148**



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

Code **JA147**



ENCODER
Allows improved force control and reverse on obstacle

Code **6100013**



G-BAT



230V



24V



ENV
PATENTED

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) - PATENT
function as standard

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

G-WAY SYSTEM

24V version
(with the Brain 15 board) or
230V version
(with the Brain 19 board)

G-DEC SYSTEM

24V version
(with the Brain 15 board) or
230V version
(with the Brain 19 board)

PRO-CODER

Optional safety accessory
(with Brain 19 and Brain 15 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 BOARDS

Brain 19
Brain 15

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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

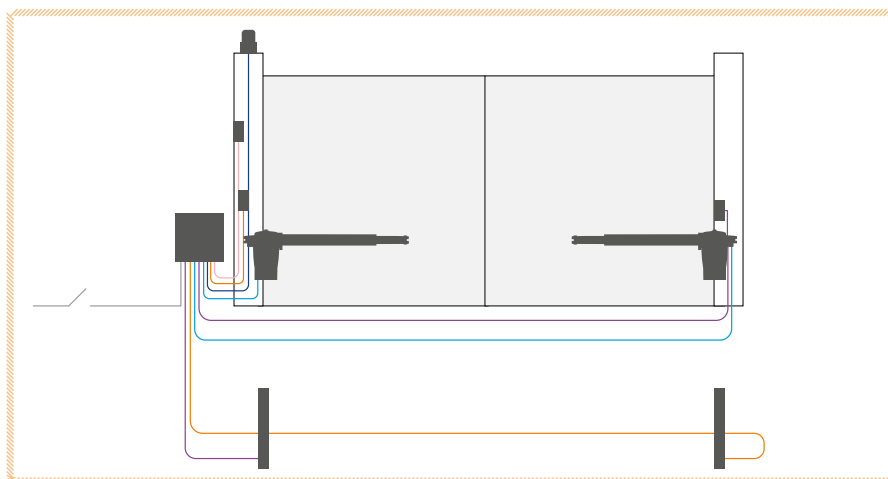
	G-Bat 300	G-Bat 400	G-Bat 324 ENV
Power supply (V)	230		230
Electric motor (V)	230		24
Nominal power (W)	280		35
Current (A)	1.2		-
Thermal protection (°C)	140		-
Thrust capacitor (µF)	8		-
Thrust (daN)	350		150
Travel (mm)	300	400	300
Max. speed (cm/sec.) ¹	1.6		2.1
Use frequency at 20°C	S3 - 30%		Continuous
Operating temperature (°C)	-20 +55		
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 board BRAIN 19	6100328
1	Board enclosure	JA320
1	Frequency module RQFZ 868 MHz	6100347
1	Two-channel transmitter KILO TX2 JLC	6100332
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**



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
6100354	Single-channel card receiver 433 MHz	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
6100328	Control Board Brain 19	1
JA320	Control unit enclosure	1
6100332	Two-channel Transmitter Kilo TX 2	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

29

GENIUS



230V



24V



ENV
PATENTED



G-WAY
BUS



G-DEC



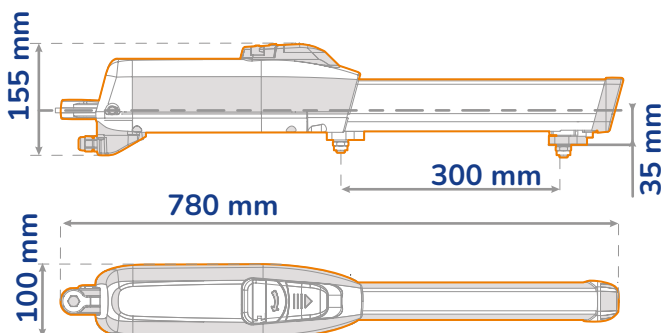
Lock-protected
release device

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) - PATENT
function as standard

Leaves up to 2.5 metres

G-WAY SYSTEM

24V version
(with the Brain 15 board)
230V version
(with the Brain 19 board)

G-DEC SYSTEM

24V version
(with the Brain 15 board)
230V version
(with the Brain 19 board)

PRO-CODER

Optional safety accessory (with Brain
19 and Brain 15 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	Page 74
Brain 15	Page 75

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 +55	
Protection rating	IP54	
Weight (kg)	6.5	

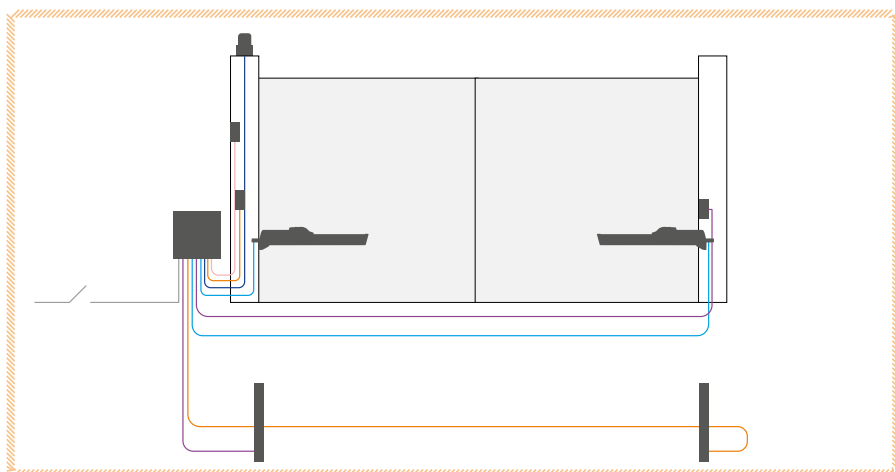
N.B.

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 board BRAIN 19	6100328
1	Board enclosure	JA320
1	Frequency module RQFZ 868 MHz	6100347
1	Two-channel transmitter KILO TX2 JLC	6100332
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 **6100335**



MISTRAL



230V



24V



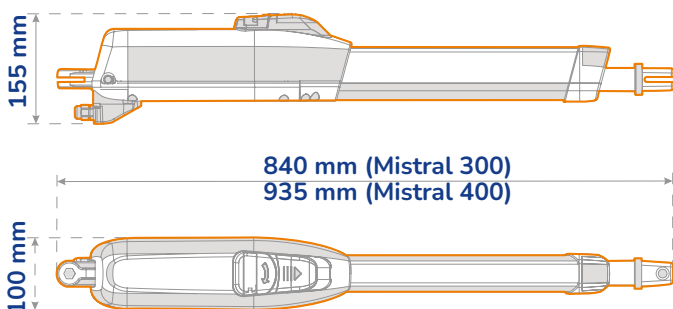
Lock-protected release device

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-PATENT) as standard

Reversible version also available

G-WAY SYSTEM

24V version (with the Brain 15 board) or 230V version (with the Brain 19 board)

G-DEC SYSTEM

24V version (with the Brain 15 board) or 230V version (with the Brain 19 board)

PRO-CODER

Safety accessory (with Brain 19 and Brain 15 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 Page 74
Brain 15 Page 75

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 +55	-10 +55	-20 +55	-10 +55	-20 +55
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.

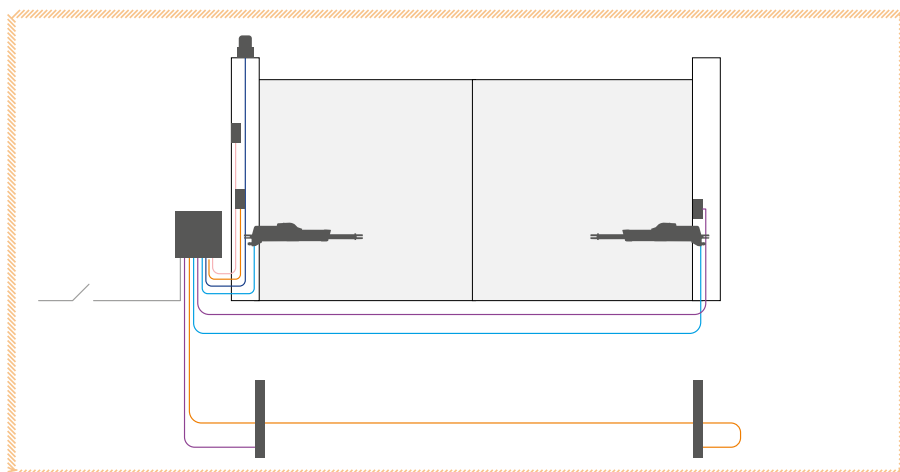
For models 400 with leaves over 3 m, it is mandatory to install an electric lock in order to ensure leaf locking. R models must always be combined with an electric lock.

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 board BRAIN 19	6100328
1	Board enclosure	JA320
1	Frequency module RQFZ 868 MHz	6100347
1	Two-channel transmitter KILO TX2 JLC	6100332
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 **6100335**



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 - 6100335
(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
6100354	Single-channel card receiver 433 MHz	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
6100328	Control Board Brain 19	1
JA320	Control unit enclosure	1
6100332	Two-channel Transmitter Kilo TX 2	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

COMPASS



24V

ENV
PATENTED

G-WAY
BUS

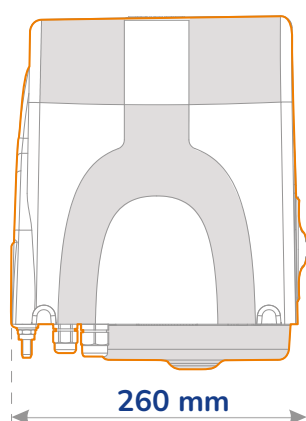
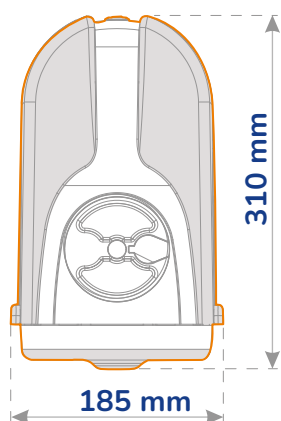
G-DEC



Anti-shearing
arms



Release system
with
personalised key



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.

G-WAY SYSTEM
with Brain 15 board

G-DEC SYSTEM
with Brain 15 board

CONTROL BOARDS

Brain 15

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Code	Name	Version	Voltage	Leaf max.	Use
6170135	Compas 24	Non-reversible	24V	2.5 m	Residential
6170136	Compas 24 C	Non-reversible with Brain 15 control unit	24V	2.5 m	Residential

TECHNICAL CHARACTERISTICS

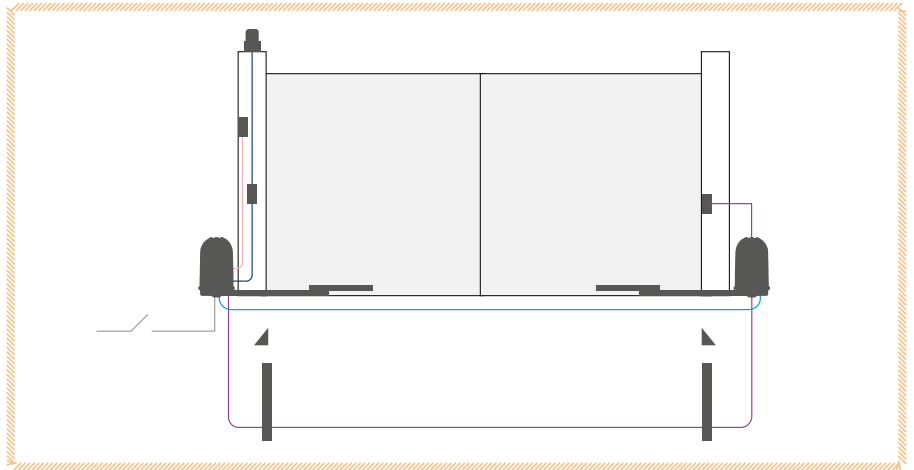
	Compas 24	Compas 24 C
Power supply (V)		230
Electric motor (V)		24
Nominal power (W)	120	140
Torque Max. (Nm)		250
Angular speed (°/sec)		13
Leaf weight Max. (kg) ¹		310
Consecutive cycles Max.		30
Use frequency at 20°C		continuous
Operating temperature (°C)		20 +55
Protection rating		IP44
Weight (kg)	7	8.7

N.B.
The weight of the leaf depends on its length, for leaves of 2.5 m the max. weight is 200 kg, for leaves of 1 m the max. weight is 310 kg. For leaves over 2 m, it is mandatory to install an electric lock in order to ensure leaf locking.

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 - COMPASS 24 C - electronic board and articulated arm	6170136	
1	Actuator - COMPASS 24 with articulated arm	6170135	
1	Frequency module RQFZ 868 MHz	6100347	
1	Two-channel transmitter KILO TX2 JLC	6100332	
1	Flashing light - GUARD 24V	6100316	
2	Pair of VEGA BUS photocells	6100148	
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



BATTERY KIT
Complete with charging board.

Code 390923



ARMO2 KEY
SELECTOR WITH
LEVER RELEASE

Code 6100340



RELEASE KIT
To be combined with ARMO2

Code 424001

TRIGON 02

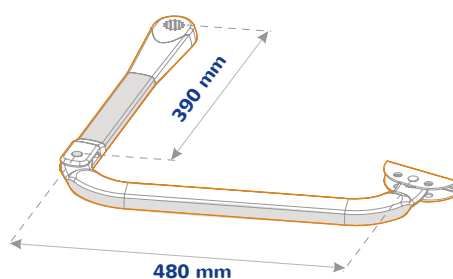
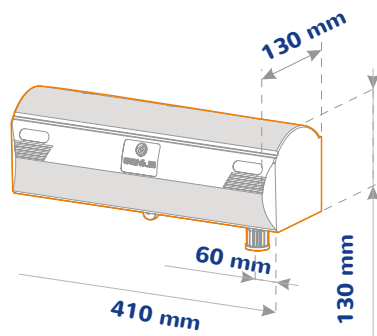


230V

ENV
PATENTED

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 board)

G-DEC SYSTEM
(with Brain 19 board)

CONTROL BOARDS

Brain 19

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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 +55
Protection rating	IP44
Weight (kg)	11.5

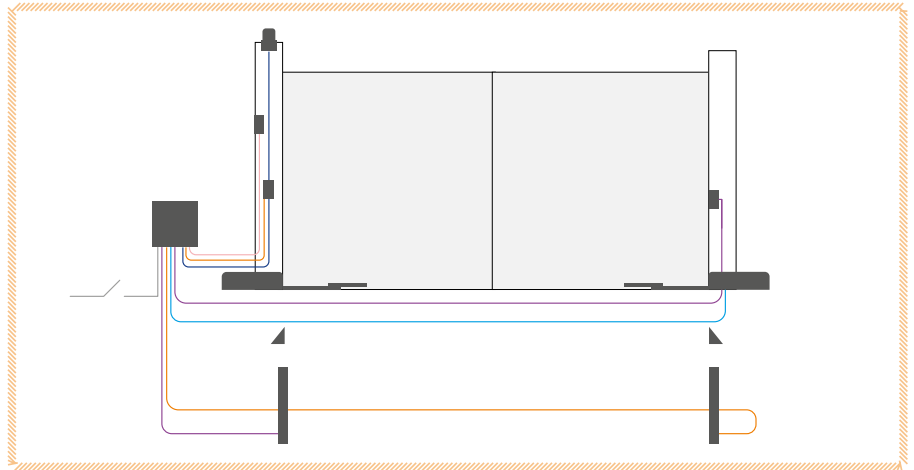
N.B.

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 board BRAIN 19	6100328
1	Board enclosure	JA320
1	Frequency module RQFZ 868 MHz	6100347
1	Two-channel transmitter KILO TX2 JLC	6100332
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

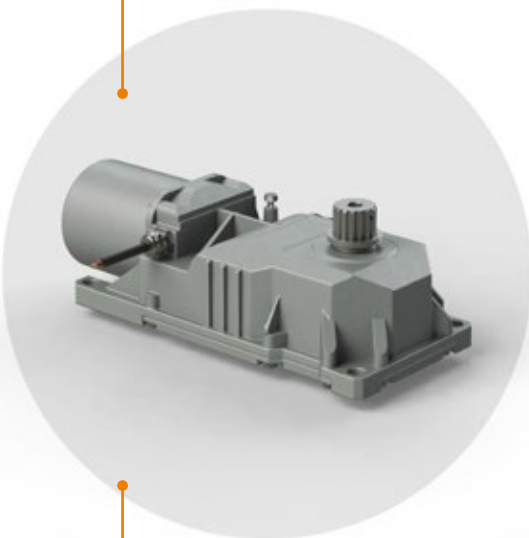


230V

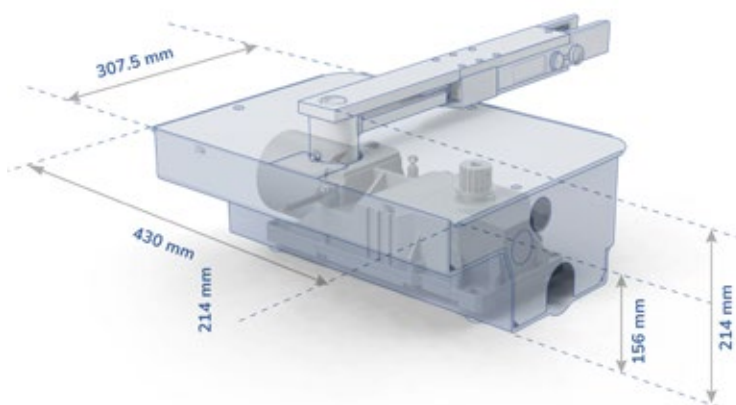
-G-DEC-



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 per 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 board)

G-DEC SYSTEM
(with Brain 19 board)

PRO-CODER
Optional safety accessory (with Brain 19 Board)

CONTROL BOARDS

Brain 19

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

TECHNICAL CHARACTERISTICS

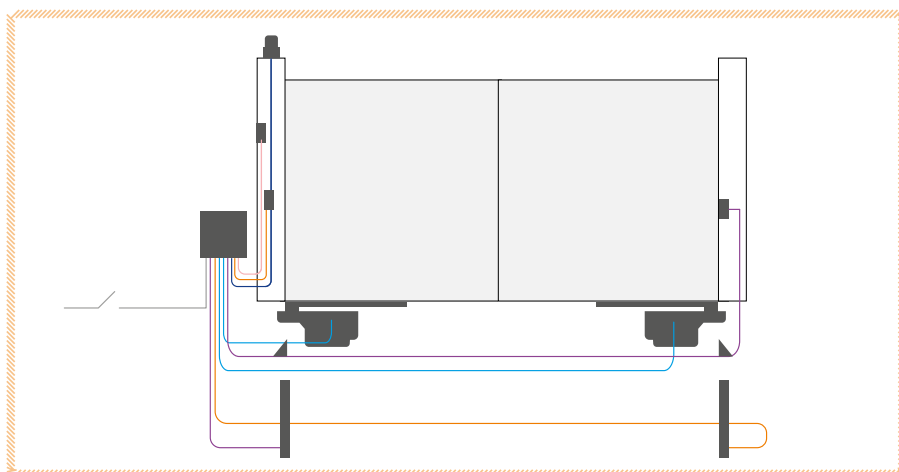
	Roller
Power supply (V)	230
Electric motor (V)	230
Nominal power (W)	380
Current (A)	1.7
Capacitor (µF)	12.5
Torque Max. (Nm)	330
Angular speed (°/sec)	6
Leaf opening time to 90° (sec.) ¹	18 (110°/180°)-10.5 (140°)
Use frequency at 20°C	S3 - 30%
Operating temperature (°C)	-20 +55
Protection rating	IP67
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 board BRAIN 19	6100328
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 TX2 JLC	6100332
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

TOTAL (NET OF VAT)

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



INTERNAL MECHANICAL OPENING STOP

For 110°/140° levers.

Code 722121



PROCODER FOR UNDERGROUND MOTOR³

Allows the position of the leaf to be detected.

Code 404035



INTERNAL MECHANICAL CLOSING STOP

For 110°/140° levers.

Code 722122



ADAPTER

For installing ROLLER in pre-existing foundation boxes.

Code 58P1573

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 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
6100354	Single-channel card receiver 433 MHz	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
6100328	Control Board Brain 19	1
JA320	Control unit enclosure	1
6100347	Frequency Module RQFZ, 3-PIN plug-in, 868 MHz	1
6100332	Two-channel Transmitter Kilo TX 2	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



230V



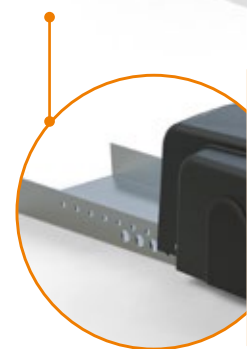
Integrated courtesy light

Control button automation



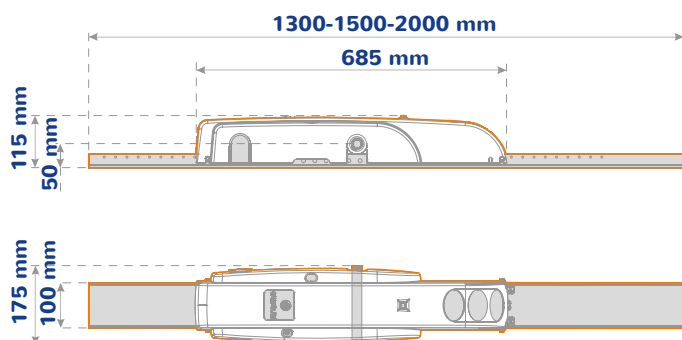
Release system with personalised key

Integrated limit switches



Built-in encoder

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



ACTUATOR FOR UP AND OVER DOORS AND COUNTERWEIGHTS

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

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

Integrated courtesy light.

Integrated automation control button.

Motor release with personalised key (optional)

Supplied with electronic board, encoder and built-in limit switches

CONTROL BOARDS

Geo 07

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Code	Name	Version	Voltage	Door max. (bxh)	Use
6120045	Euro Breeze 06 Sb/Lh	Non-reversible	230V	3.3 x 3 m *	Residential
6120036	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 Slow	Euro Breeze 06
Power supply (V)	230	
Electric motor (V)	230	
Power (W)	250	350
Current (A)	1.2	1.5
Thermal protection (°C)	140	
Capacitor (µF)	8	10
Torque max. (Nm)	250	300
Angular speed (°/sec)	8	12
Opening time to 90° (sec.) ¹	22	15
Use frequency at 20°C	S3 - 30%	
Approx. cycles per hour at 20°C	≥24	≥36
Operating temperature (°C)	20 +55	
Operator weight (kg)	7.5	
Protection rating ²	IP44	

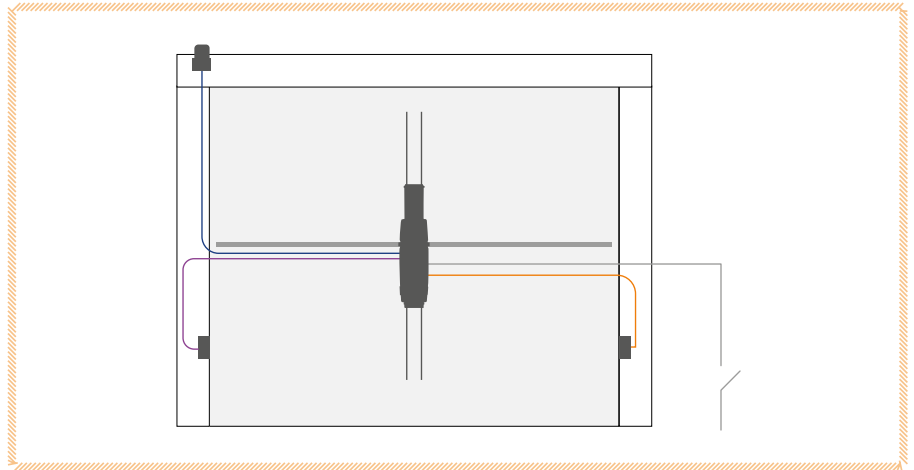
N.B.

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 boards, 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	Actuator - EURO BREEZE 06 C with integrated electronic board	6120036
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	6100352
1	Two-channel transmitter KILO TX2 JLC	6100332
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.
51200091	Euro Breeze Kit - frequency 433 MHz - RC	230V	3.30 x 3.00 m
51200101	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.
6100354	Single channel plug-in receiver 433 MHz	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.
6100352	Single channel plug-in receiver 868 MHz	1
6100332	Two-channel Transmitter Kilo TX 2	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



24V



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

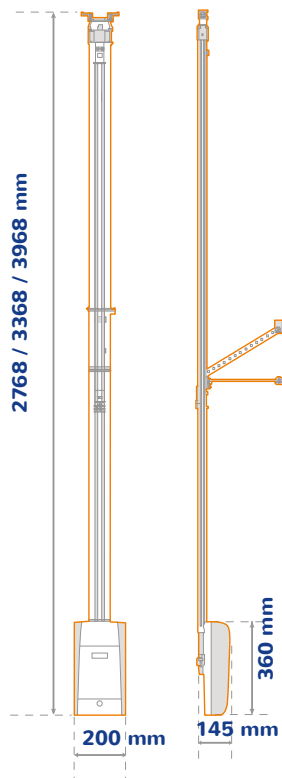
Supplied with power cable and plug.

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.



CONTROL BOARDS

Geo 08
Geo 09

Page 80
Page 80

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

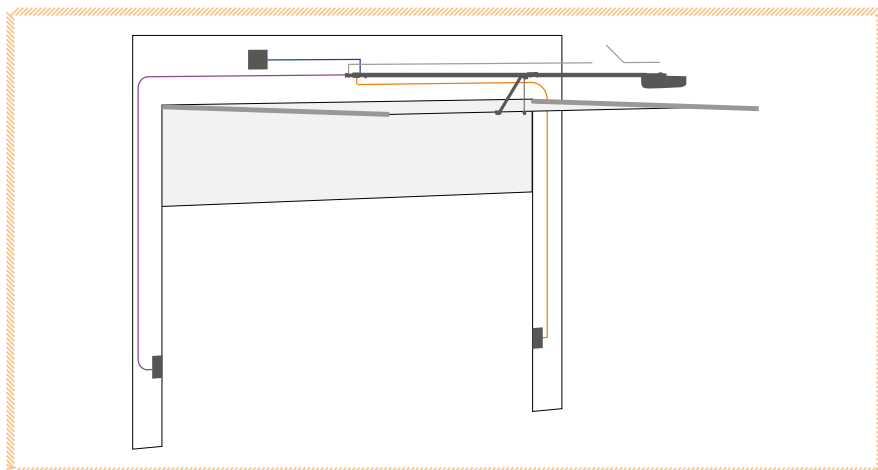
* Maximum height depends on the door geometry. The values shown refer to traditional configurations.

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 +55	
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 TX2 JLC	6100332
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**



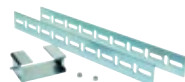
LEDDY
24 Vdc with integrated flashing management.

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

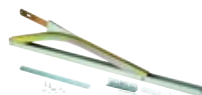
Arm for sectional doors.

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



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.



230V

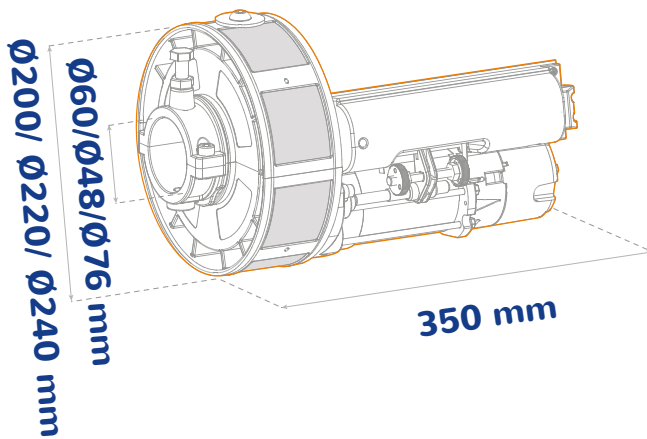


AUTOMATION FOR ROLLER SHUTTERS

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 BOARDS

Geo 13

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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.

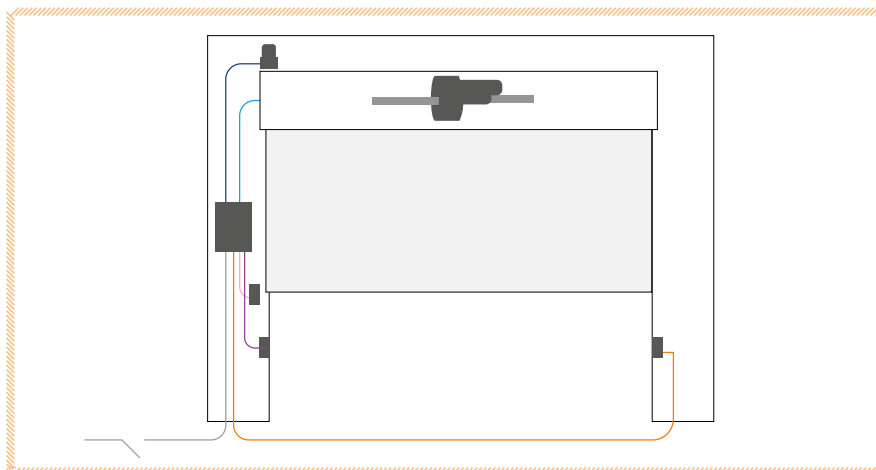
2 - Can also be used with Ø 48mm, Ø 42mm or Ø 33mm diameter shafts by adding the optional adapter sleeves indicated on the following page.

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



SHUTTER SHAFT ADAPTERS

Adapter for 60/33 pipe
For Shutter 15

Code 6100273

Pole adapter 60 > 48/42

mm

Code 391452

ELECTRIC BRAKE KIT

Code 391450



TRIGON K



G-WAY
BUS



230V

-G-DEC-

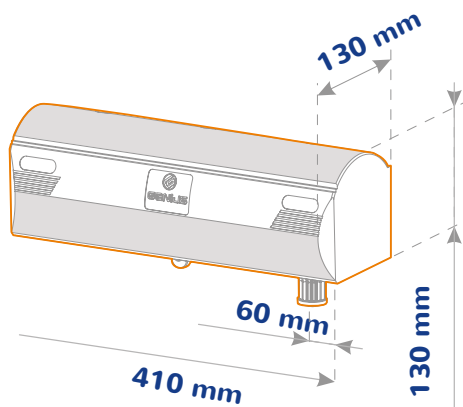


ACTUATOR FOR FOLDING DOORS

Leaves up to 3 metres

G-WAY SYSTEM
(with Brain 19 board)

G-DEC SYSTEM
(with Brain 19 board)



CONTROL BOARDS

Brain 19

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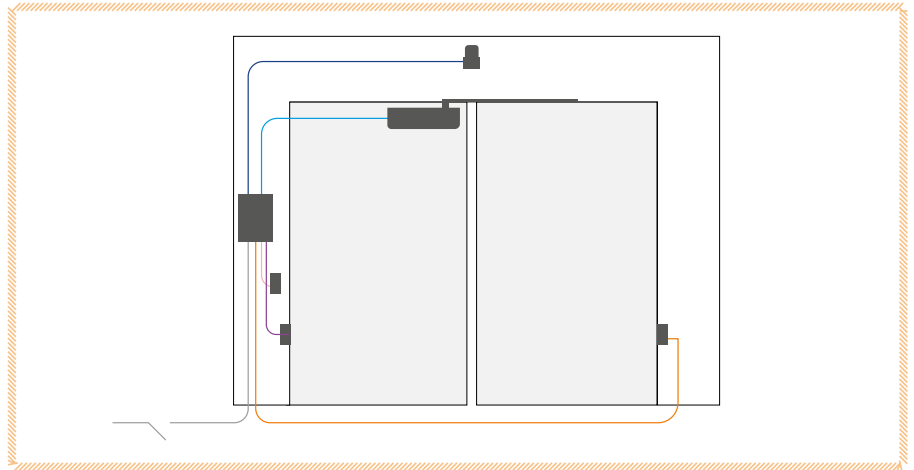
Code	Name	Version	Voltage	Voltage Max. (bxh)
6170152	Trigon K	Non-reversible	230V	3x5 m

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 +55
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 board BRAIN 19	6100328
1	Frequency module RQFZ 868 MHz	6100347
1	Two-channel transmitter KILO TX2 JLC	6100332
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

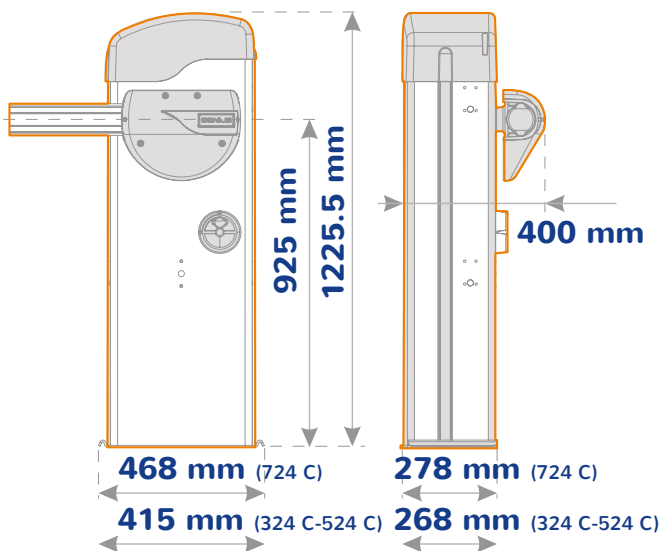


Signalling rope light



Rotary release system accessible from outside the barrier body

Designed for installing accessories



AUTOMATIC BARRIER FOR MOTOR VEHICLES

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 manoeuvres.

Latest generation electronic core with switching power supply.

CONTROL BOARDS

Lynx 07

Page 81

Lynx 08

Page 82

Code	Name	Version	Voltage	Leaf max.
6130037	Rainbow Fast 324 C	Non-reversible FAST with encoder and integrated LYNX 07	24V	3 m
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.

While stocks last

TECHNICAL CHARACTERISTICS

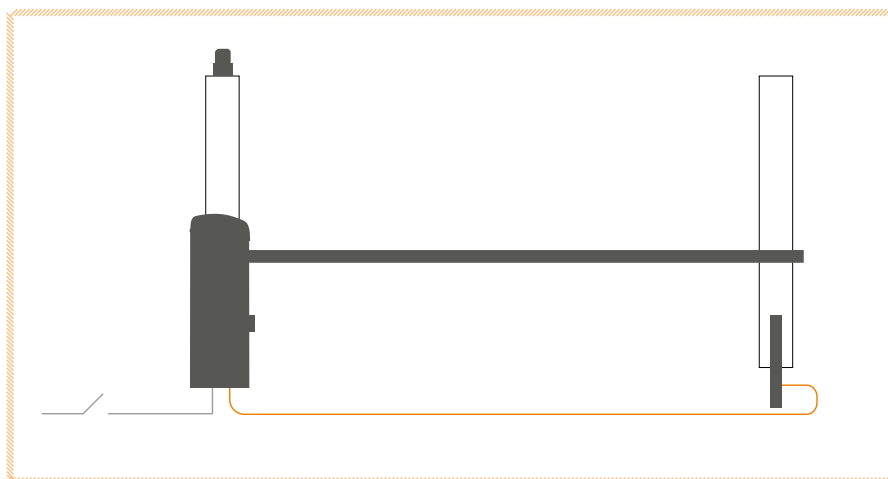
	Rainbow Fast 324 C	Rainbow 524	Rainbow 724
Power supply (V)	230/115		
Electric motor (V)	24		
Max. power at initial thrust (W)	280		480
Nominal motor power (W)	160		220
Torque max. at 24Vdc (Nm)	155	140	370
Nominal operating torque (Nm)	30	75	140
Nominal opening/closing time (sec) ¹	2 - 3	4 - 8	7 - 11
Use frequency at 20°C	70%		
Operating temperature (°C)	-20 +55		
Noise (dBA)	>70		
Protection rating	IP54		
Operator weight (kg)	66		72

N.B.

1- Time depending on the slowdown setting.

WIRING INSTALLATION DIAGRAM

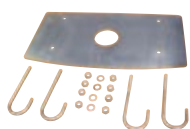
- Line: 3x1.5 mm²
- Photocell RX: 4x0.5 mm²



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 TX2 JLC	6100332
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**



HEDGE 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 FAST 324 C

Beam Max. 3 m
profile with section \varnothing 75 mm

Model	Length (m)	Passage (m)	Code
Beam 3 m	3.30	3.00	428042

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 FAST 324 C	Code	Description
	58F1812	Spring - Red (L=400mm Ø 4.5mm)

RAINBOW 524 C	Code	Description
	6100290	Soft Spring - Purple (L=400mm Ø 6mm)
	6100291	Strong Spring - Black (L=400mm Ø 6.5mm)

RAINBOW 724 C	Code	Description
	6100292	Soft Spring - Purple (L=520mm Ø 7.5mm)
	6100293	Strong Spring - Black (L=520mm Ø 8.5mm)

SPRING CONFIGURATION FOR BEAMS

RAINBOW FAST 324 C	Beam only (m)	Beam with lights (m)	No. Springs Ø 4.5mm Red - Code 58F1812
	2.0 - 2.8	2.0 - 2.6	1
	2.8 - 3.0	2.6 - 3.0	2

N.B. All measurements refer to the passage width (total length of beam = passage width + 0.3 m)

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

USB connector

PAGE

SWING		SLIDING	
BRAIN 19	BRAIN 15	SPRINT 382	SPRINT M24
230Vac	24Vdc	230Vac	24Vdc
display and buttons	micro switches and buttons	display and buttons	display and buttons
3	3	3	3
3	3	3	3
1	1	2	1
independent for each motor (50 levels)	✓	✓	✓
programmable via the learning button	programmable via the learning button	determined by limit switches	determined by limit switches
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓ (traditional and G-Way Bus)	✓ (G-Way Bus)	✓	✓ (G-way Bus)
✓ (traditional and G-Way Bus)	✓ (G-Way Bus)	✓	✓ (G-way Bus)
✓	✓	✓	✓ (programmable output)
✓		✓	✓
✓		✓	✓
✓	✓		
✓		✓	✓
		✓	programmable inputs (2)
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓		
✓	✓		
✓	✓	✓	✓
✓ (via PROcoder absolute encoder)	✓ (with virtual Encoder ENV)	✓ (via encoder)	✓
✓	✓		
✓	✓		
✓	✓	✓	✓
✓	✓	✓	✓
		✓	
	✓		
	✓		
✓	✓		✓
		✓	
✓	✓		✓
✓ (firmware updating, radio codes back-up, installation configuration back-up)			
74	75	76	77

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

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

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G-Way BUS

USB connector

PAGE

UP AND OVER GEO 07	ROLLER SHUTTERS GEO 13	SECTIONAL		AUTOMATIC LYNX 07/08
		GEO 08	GEO 09	
230Vac	230 Vac	24Vdc	24Vdc	24Vdc
display and buttons	DIP switch	DIP switch	DIP switch	display and buttons
1	7	1	1	3
1	1	1	1	3
✓		✓	✓	self-learning
determined by limit switches	determined by limit switches	✓	✓	programmable via the learning button
✓	✓	✓	✓	✓
✓	✓	✓	✓	✓
		✓	✓	
	✓	✓	✓	✓
✓				✓ (in opening and closing)
✓	✓	✓	✓	✓
✓		✓	✓	✓
✓	✓			✓
✓				
✓				✓
✓				✓
✓	✓	✓	✓	✓
✓		✓	✓	✓ (adjustable)
✓ (via encoder)		✓	✓	✓ (adjustable)
✓				
✓	✓	✓	✓	✓
				✓
				✓
✓	✓	✓	✓	
78	79	80	80	81-82

Brain 19



230V



Code

6100328

Power supply (Vac)	230 (+6% -10%) 50Hz
Absorbed power (W)	4.3 W in Stand By
Motor load Max. (W)	800
Max. accessories load (mA)	500
Operating temperature (°C)	-20 +55
Protection fuses	2
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

Brain 15



24V

ENV
PATENTED

G-WAY
BUS

G-DEC



With transformer in watertight enclosure.

Code

6100263

Power supply (Vac)	230 (+6% -10%) 50Hz
Control unit power supply (Vac)	24 nominal
Absorbed power (W)	4
Motor load Max. (W)	150 x 2
Max. accessories current (mA)	250
Max. accessories current BUS (mA)	400
Operating temperature (°C)	-20°C to +55°C
Protection fuses	F1 = self-resetting; F2 = T2A-250V or T4A-120V
Operating logics	Automatic/Automatic "step by step"/Semi-automatic/Semi-automatic "step by step"/Semi-automatic B/Dead man
Pause time	Variable depending on learning (max. 10 min.)
Inputs in terminal board	Open A, Open B, Stop, G-WAY BUS (I/O)
Connector inputs	Power supply/Battery/3-Pin radio module
Outputs in terminal board	Motors/Flashing light/Accessories power supply/Electric lock/Service light contact (fixed 90 sec.)
Programmable functions	Logics/Speed/Wind/Soft touch/Ram stroke
Learning functions	Pause time, 2nd leaf closing delay

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 for GENIUS.

433 MHz
Code 6100346

868 MHz
Code 6100347

Sprint 382



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.

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 +55
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 boards with 5-pin connectors.

Single channel receiver **868 JLC**

Code 6100352

Single channel receiver **433 RC**

Code 6100354

Single 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 +55
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 +55
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 boards with 5-pin connectors.

Single channel receiver 868 JLC

Code 6100352

Single channel receiver 433 RC

Code 6100354

Single channel receiver 433 RC

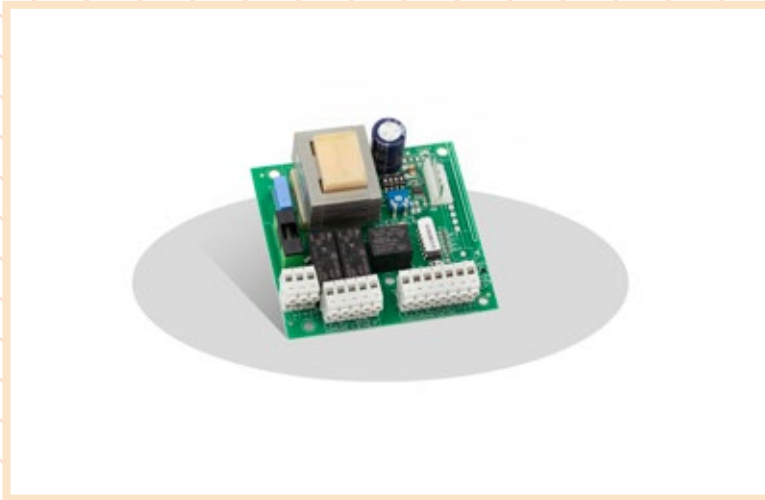
Code 6100355



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 + 50w
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 boards with 5-pin connectors.

Single channel receiver 868 JLC

Code 6100352

Single channel receiver 433 RC

Code 6100354

Single 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

602044

Geo 09



Incorporated in Zodiac 100 gearmotor

Code

602045

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

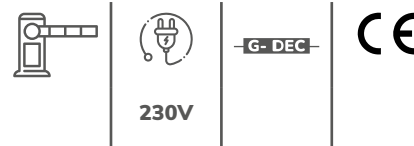
868 MHz
Code 6100347



LEDDY
24 Vdc with integrated flashing management.

Code 6100190

Lynx 07



230V

Incorporated in Rainbow Fast 324 C and Rainbow 524 C barriers



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 +55
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

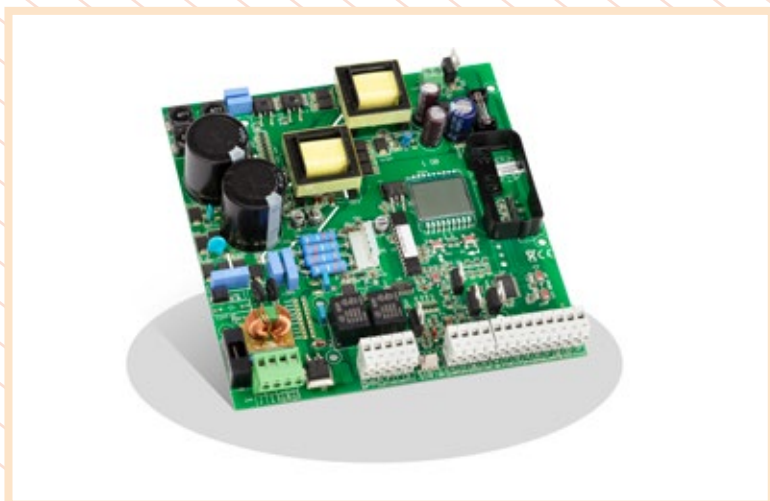
Code 6100347



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 +55
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

SAFETY AND AUXILIARY DEVICES

PHOTOCELLS					
	Vega - Vega Bus	Vega Wireless	Orion	Polaris	Wired safety edge
PAGE	84	85	86	87	87

CONTROL DEVICES

KEY SWITCHES					
	Quick 1	Quick 2	Armo 2	Keypad controller	Decoder board
PAGE	88	88	89	89	89

RADIO CONTROLS AND RECEIVERS

	868MHZ JLC SYSTEM	433MHZ JLC SYSTEM	433MHZ RC SYSTEM
PAGE	90	92	94

MISCELLANEOUS ACCESSORIES

	Magnetic Detectors	Electric lock	Leaf block	Flashing lights
PAGE	96	97	97	98

Vega - Vega Bus

CE



Vega

Code

6100147

Vega Bus

Code

6100148

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, Category 3

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)

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, Category 3

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, Category 3

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



BUS INTERFACE BOARD
For standard photocell connection.

Code 6100236



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, Category 3

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



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.

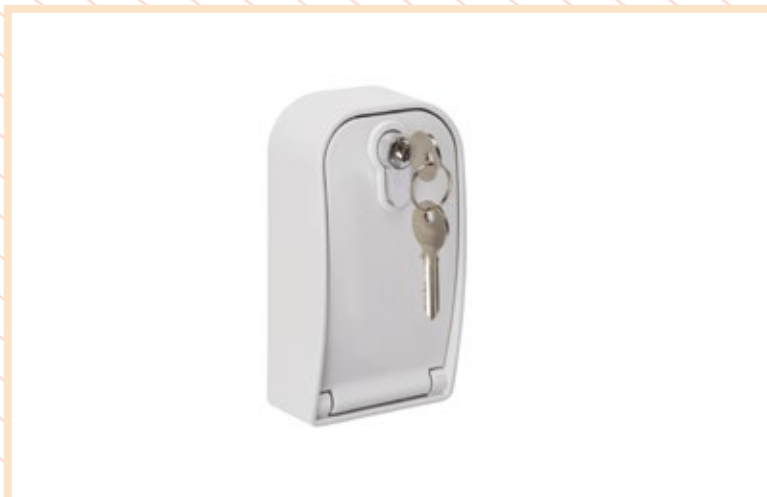
Code 401080



FOUNDATION PLATE
For column.

Code 737100

Armo 2 selector



CE

ARMO2 KEY SELECTOR WITH LEVER RELEASE

Code	Name
6100340	Armo 2 selector

Keypad controller



CE

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

Code	Name
JA108	Keypad controller

Decoder board



CE

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

Code	Name
A10801	Decoder board

Kilo 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

Kilo TX4



Kilo TX2

Code	Description	Model	Package
6100332	Two-channel	Kilo TX2	1

Kilo TX4

Code	Description	Model	Package
6100333	Four-channel	Kilo TX4	1



Plug-in receivers with 5-pin Molex connector compatible with Genius control boards with 5-pin connectors.

Code	Description	Package
6100352	Single channel receiver 868 JLC	1
6100353	Two-channel receiver 868 JLC	1



RQZ frequency Module with 3-pin plug-in connector, compatible with Genius control boards with integrated radio signal decoding and 3-pin connector.

Code	Description	Package
6100347	RQZ 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
6100359	INTERMODO2 868MHz receiver	1
6100361	INTERMODO4 868MHz receiver	1

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 SYSTEM

TRANSMITTERS



Kilo TX2



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.

Kilo TX4



Kilo TX2

Code	Description	Model	Package
6100330	Two-channel	Kilo TX2	1

Kilo TX4

Code	Description	Model	Package
6100331	Four-channel	Kilo TX4	1



Plug-in receivers with 5-pin Molex connector compatible with Genius control boards 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 boards 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
6100357	INTERMOD02 433MHz receiver	1
6100358	INTERMOD04 433MHz receiver	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 boards with 5-pin connectors.

Code	Description	Package
6100354	Single channel receiver 433 RC	1
6100355	Two-channel receiver 433 RC	1



RQFZ frequency Module with 3-pin plug-in connector, compatible with Genius control boards 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
6100357	INTERMODO2 433MHz receiver	1
6100358	INTERMODO4 433MHz receiver	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	Leaf 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 referred to as the "Conditions") apply to all sale or supply contracts (hereinafter jointly referred to as "Contracts" where "Contract" indicates the individual reference to each of them) entered into by FAAC SpA, Soc. Unipersonale (hereinafter "FAAC") as the seller/supplier, and direct customers of FAAC (wholesalers of electrical equipment; installers; specialists; distributors; executive customers) as purchasers/buyers (hereafter, individually, the "Customer", and jointly, the "Customers"), concerning the "Genius" brand goods sold and/or produced by FAAC, including but not limited to automation components for gates, doors, roller shutters, (hereinafter jointly referred to as the "Products", and, where individually, the "Product").

These General Conditions, therefore, apply only to Customers and do not extend to third parties.

1.2. The end user to whom the Product is resold and/or installed, and who therefore uses that same Product (hereinafter, the "End User"), must directly and exclusively contact the dealer/installer who, in turn, will give the End User a warranty for the Product. It is, however, expressly understood that if the End User were to qualify as a "consumer," the aforementioned dealer/installer-provided warranty will be governed by the applicable rules as established by Italian Legislative Decree 206/2005 (the "Consumer Code").

1.3. Except as provided in these Conditions, the right of recourse of the seller, reseller and/or Client in relation to FAAC is expressly excluded.

1.4. If the reseller of the Products also installs the Products, the reseller must also ensure their correct installation, related activities (masonry, electrical, metalwork preparations) and compliance with European Directives on safety, issuing the appropriate documentation.

2. PREVALENCE

2.1. In the event of any discrepancies between the Conditions and any particular provisions provided for in the Contract agreed between the parties, the contractual provisions will prevail only if they are agreed in writing, while the Conditions shall prevail in the remaining cases.

2.2. Under no circumstances will the Client's general contractual conditions be binding for FAAC, even if mentioned or included in the orders or other documents sent by the Client to FAAC. The conduct of FAAC shall not be interpreted as tacit acceptance by FAAC of the Client's general contractual conditions. Therefore, unless otherwise agreed in writing by FAAC, all contracts, offers, order acceptances and related deliveries shall be governed by these Conditions.

3. PROCEDURES FOR CONCLUDING INDIVIDUAL CONTRACTS

3.1. Without prejudice to Art. 3.3 below, Contracts between FAAC and Clients can only be concluded through one of the following 3 (three) forms:

(A) when both contracting parties sign a specific written agreement, drawn up on a single document/form (hereinafter "Joint Document"). In this case, the Contract is considered concluded upon the final signature

(B) by exchanging written messages (including via fax/email and, in general, through IT tools, including but not limited to, a portal made available to Customers by FAAC) in compliance with the following procedure: (i) The Customer sends an order to FAAC, containing details of the Products, the required amount thereof and the terms of delivery; (ii) in response, and where FAAC deems this to be of interest, the latter sends an order confirmation to

the customer (hereinafter referred to as the "Order Confirmation") which specifies the details of the products, the amount thereof and the terms of delivery as detailed in the order, as per point (i) above. In this case, the Contract is concluded when the Customer receives the Order Confirmation, as per point (ii) above;

(C) by exchanging written messages (including via by fax/ email and, in general, through IT tools), in accordance with the following procedure: (i) the Customer sends FAAC a specific offer request, indicating the Products, the quantity requested, the terms of delivery, and information regarding the use and possible positioning of the Products; (ii) FAAC, in response, if interested, is entitled to send the Customer a Contract offer (hereinafter, "Offer"), having the legal value of a proposal, in which it specifies, among other things, the exact Products to be provided, their quantity, the relative prices and the terms of delivery; (iii) lastly, the Customer signs the Offer mentioned in the previous point (ii) in acceptance and forwards it to FAAC, with the Offer, thereby taking on legal acceptance value. In this case, the Contract shall be concluded according to the conditions established in the Offer referred to in point (ii) above, once FAAC has received the written acceptance referred to in point (iii) above. It is expressly understood that the Client's notification of acceptance must reach FAAC no later than the term of validity of the Offer, as indicated therein, under penalty of loss of the effectiveness of the same.

3.2 Once duly received and/or accepted by the Client, the Joint Document, the Order Confirmation, and the Offer cannot be cancelled, in whole or in part, by the Client, except with the written consent of FAAC and except, in any case, the reimbursement by the Client for any losses, costs and damages sustained by FAAC due to said cancellation.

3.3 It is expressly understood that the execution of Contracts by FAAC will remain subject to the suspensive condition of the Customer's correct payment of any previous invoices issued by FAAC which are still unpaid as of the agreed-upon deadlines.

4. SELLING PRICE OF THE PRODUCTS

4.1. The prices applicable to each Product sale/supply (hereinafter, the "Sale Price") are those indicated in the FAAC catalogue/price list in force when (i) the Customer's order is sent, as confirmed in the Order Confirmation, when (ii) the Offer, accepted by the Customer, is sent, or when (iii) the Joint Document is signed.

4.2 The prices indicated in the FAAC catalogues/price lists as well as in each Contract are net of VAT and transport/shipping costs. FAAC reserves the right to change Sale Prices during the period of validity of the catalogues/price lists, due to an increase in the cost of production and/or raw materials, upon appropriate notice to the Customer.

5. PAYMENTS

5.1. Payments due to FAAC are considered valid and complete only if made according to the methods agreed upon by the parties on a case-by-case basis, and only once definitively credited to the bank account indicated by FAAC. All other forms of payment shall be made at the risk and peril of the Customer and will not guarantee the conclusion and successful fulfilment of the Contract. Without prejudice to greater damages, any delays in payment with respect to the established term will trigger the default interest to be applied, to be paid by the Customer, to the extent established by Italian Legislative Decree no. 231/2002 and subsequent amendments, without the need for further communications or formal notice.

6. EXPENSES AND ADDITIONAL CHARGES

6.1. The prices applied to each Contract are net of VAT and of the transport and/or shipping costs, which shall be charged to the Client.

6.2. FAAC will provide free standard packaging of the Products, suitable for air, land and sea transport. If the Client requests special packaging, FAAC will charge the entire cost of said special packaging to the Client.

7. DELIVERY

7.1. The delivery dates given by FAAC for the Products are indicative only and are expressed in working days.

7.2. Unless otherwise agreed in writing between the Parties, the delivery of the Products to the Client will take place EXW, Incoterms 2010, ex works FAAC's facilities, meaning both the FAAC headquarters in Zola Predosa (BO), Italy and its satellite warehouses, and also as identified on a case-by-case basis in the Contracts. Consequently, the risks of Product loss and/or damage are borne by the Client from the moment of delivery to the carrier.

7.3. Products thus delivered to Customers cannot be returned by the latter to FAAC for any reason and/or purpose, except upon written authorisation by FAAC, which must also include the conditions and terms of said return (hereinafter, "Commercial Return").

8. WARRANTY

8.1. FAAC guarantees the components sold to the Customer shall be free from faults and/or manufacturing defects or defects due to the materials used, within the limits of the installation and normal use specifically indicated by FAAC for a period of 30 (thirty) months starting from the first day (day one) of the month in which the Products were manufactured, as indicated by their serial number, provided that the Customer provides, directly or indirectly, a valid proof of purchase and/or resale of the Products (invoice or tax receipt) issued, in the latter case, by the customer himself.

8.2 In all cases, the guarantee referred to in Art. 8 is strictly conditioned upon the Customer submitting a written complaint of the faults/defects within the period of forfeiture of 8 (eight) days from the delivery of the Product(s) in the event of apparent defects (such as but not limited to: defective packaging, even if only partially or slightly; quantitative differences, etc.) (hereinafter, "Apparent Defects") or, for faults/defects hidden from a person of average diligence (Non-functioning Products), starting from the moment of discovery (hereinafter, "Hidden Defects"). Notwithstanding the foregoing, in the specific case of Apparent Defects attributable to damaged packaging, even partially or slightly, the Client must accept the goods from the carrier "with reserve."

8.3 In the event of non-functioning components (Hidden Defects), FAAC will only repair or replace the items (at the sole discretion of FAAC) directly or indirectly, through its network of authorised assistance centres (hereinafter, "CSA"). Components under warranty must be shipped (all costs and expenses to be paid by the Customer - Carriage Paid) to the CSA indicated by FAAC. It is expressly understood that (i) the repaired or replaced component will be shipped to the Customer (at the total cost and expense of the Customer - Carriage Forward); (ii) the warranty intervention does not extend the original warranty, nor does it cause a new warranty period to begin for the repaired or replaced part (the warranty for the parts replaced/repaired during the original warranty period therefore ends when the original warranty expires); (iii) the replaced components, will remain the property of FAAC; (iv) Customers who are not up-to-date with payments, shall forfeit the right to any and all warranties.

8.4 In the event of Apparent Defects, FAAC will correct them directly at its own expense and communicate the relative procedures to the Customer.

8.5 In addition, the warranty does not include: (i) failures or damages caused by transportation; (ii) failures or damages caused by faults in the electrical system and/or by neglect, negligence or the inadequacy of the system for the operation it is being used for and, in any case, by abnormal use; (iii) failures or damages due to tampering by unauthorised personnel or the use of components not attributable to FAAC and/or non-original spare parts; (iv) defects caused by chemical agents or the weather and/or natural phenomena in general; (v) failures or damages caused by the incorrect installation of the Products, i.e. not according to the best practices and the safety and conformity standards of use expressly indicated in the technical documentation of the Products; (vi) consumables; (vii) on site interventions (at the installation site) to check for and verify any faults and/or defects for which the Customer must pay FAAC or the person indicated by it, the related applicable call-out fees and labour costs; (viii) compensation of any kind and/or nature for the downtime of the plant where the Products are installed.

9. OBLIGATIONS

9.1. All obligations assumed by the Customer are extended and also refer to his heirs, successors and assignees.

10. INFORMATION ON THE PROCESSING OF PERSONAL DATA

10.1. Pursuant to Art. 13 of Regulation 2016/679 (General Data Protection Regulation), FAAC, as the data controller (hereinafter, the "Controller"), hereby informs the Customer that it will process the personal data provided by the Customer, including the personal data of any contacts or reference persons, in execution of these Conditions, ensuring full compliance with all the provisions of the Regulation. For this purpose, the Controller hereby declares the following: (a) in compliance with the aforementioned regulation, data processing will take place via paper, IT or electronic means designed to store, process and transmit the data itself, and, in any case, using suitable tools to guarantee their security and confidentiality; (b) data processing will concern the purposes connected and instrumental to the conclusion, management and execution of the Conditions and Contracts, as well as for any administrative and accounting purposes connected to them (for example, but not limited to: the management of orders and invoices, stipulation of contracts including contracts for insurance or the granting of credit by FAAC to the Client, transport and shipping contracts, etc.); marketing purposes for FAAC products and services similar or accessory to those of previous purchases, if in the legitimate interest of FAAC (e.g. Art. 6, paragraph 1, letter f) Reg. 2016/679), and said processing may also take place with automated tools; purposes related to the execution of legal obligations, regulations, national and EU regulations as well as those deriving from provisions issued by authorities legitimated by the law; (c) the provision of personal data is mandatory for all that is required by legal and contractual obligations and, therefore, the Client's refusal to communicate the data or to consent to subsequent processing may make it impossible for FAAC to carry out contractual relationships; the provision of said data is optional for marketing activities; (d) exclusively for the aforementioned purposes, personal data will not be disclosed, but may be communicated, to the categories of duly-authorized subjects who must necessarily receive it for the purposes indicated in point (b) above, including other companies of the group to which FAAC belongs; (e) the Client, if a data subject, has the right of access to his/her personal data, and to rectify, cancel, oppose and limit its processing, in addition to the right to data portability, addressing requests directly to the Controller;

it is also the right of the data subject to file a complaint with the supervisory authorities; (f) personal data will be kept for commercial and marketing purposes for as long as the Client has a commercial relationship with FAAC, and subsequently for the sole purposes of the law; (g) the Data Controller is FAAC, at its registered office.

11. FORCE MAJEURE

11.1. Force majeure means any unforeseeable act or event that is independent of the will of the contractual Parties, beyond their control, and impossible to promptly remedy (for example but not limited to, war (whether declared or undeclared), embargo, riot, revolt, fire, sabotage, pandemic, strike, natural disasters, governmental measures, or the impossibility of obtaining supplies of raw materials, equipment, fuel, energy, components, and labour or transport).

11.2 Should a force majeure event take place, the obligations of the Parties that cannot be fulfilled due to said cause are automatically extended, without penalty, for the duration of the force majeure status; the foregoing is valid between the parties, with the exception of the Customer's obligation to pay the sums due as payment of the price, for which the pre-established deadlines remain in any case.

11.3 The parties undertake, however, to adopt all the measures in their power to ensure, within the shortest possible time, the normal return to the fulfilment of the obligations delayed by the force majeure event. The parties also have an obligation to inform each other of the beginning and end of the force majeure event.

12. MISCELLANEOUS

12.1. If, for any reason, one or more articles of these Conditions should be considered null or otherwise invalid, it is hereby agreed that they will be interpreted in accordance with the original intentions of the Parties and in the sense in which they can maintain some validity, even if reduced compared to the initial object, and, in any case, in the sense in which they may have some effect. In any case, the nullity or invalidity of one or more articles shall not render the Conditions themselves invalid.

12.2 Any tolerance potentially expressed by FAAC regarding compliance with the obligations set out in the Conditions does not constitute an exception or waiver of the wording of the written regulation, which may be asserted at any subsequent time.

12.3 These Conditions supersede and cancel any previous agreement between the parties in relation to the content thereof.

12.4 No changes or amendments to the Conditions shall take effect unless these have been approved in writing by the parties.

12.5 All software contained in the Products is the property of FAAC and is licensed for free use, unless otherwise agreed in writing between the Parties.

12.6 The Client is aware that the Products are covered by patents and are the subject of know-how and design constituting industrial property owned exclusively by FAAC, in accordance with the current Industrial Property Code. The Client is expressly forbidden from violating the rights of FAAC and, in any case, from removing, suppressing and/or in any case altering the trademarks and other distinctive marks or acronyms of any kind affixed to the products, as well as affixing new ones of any kind and/or nature. Without the written authorization of FAAC, all forms of reproduction and/or use of the FAAC brand and/or any other distinctive signs on the Products is prohibited.

12.7 Pursuant to and for the purposes of Legislative Decree 231/2001, the Customer hereby agrees, in its relationship with FAAC, including its employees, pursuant to and for the purposes of Art. 1381 of the Italian Civil Code, to comply strictly with the rules contained in the FAAC Code of Ethics, available on www.faaotechnologies.com and, in any case, also provided in hard copy format, fully accepting all the terms and conditions that it/he/she declares to know and approve.

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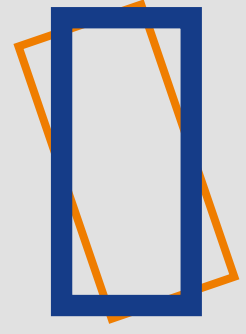
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