

KINGGates



DYNAMOS XL

automation FOR SLIDING GATES
WITH LEAVES UP TO 2500 KG



Dynamos XL

Automation for sliding gates up to 1800 kg

QUICK AND ROBUST

Dynamos XL 24 Vdc: maximum power applied to the mechanical reliability of the Dynamos family.

The base in cast aluminium, the plastic parts in ABS with UVA protection and the polyester coatings make this product resistant to atmospheric agents.

INTENSIVE USE

Dynamos XL is designed for installation in industrial and commercial settings, or anywhere that requires maximum reliability with intensive use.

Set up for inductive end-of-travel stop.

NEW SMART TRADITIONAL ELECTRONICS

The new control board STARG824XL features last generation components in combination with a new firmware that guarantees higher performance and a more fluid control of the automation in terms of safety, time and speed of installation. A single programming method speeds up the activation of the automatic devices and managing maintenance operations becomes simple and practical.



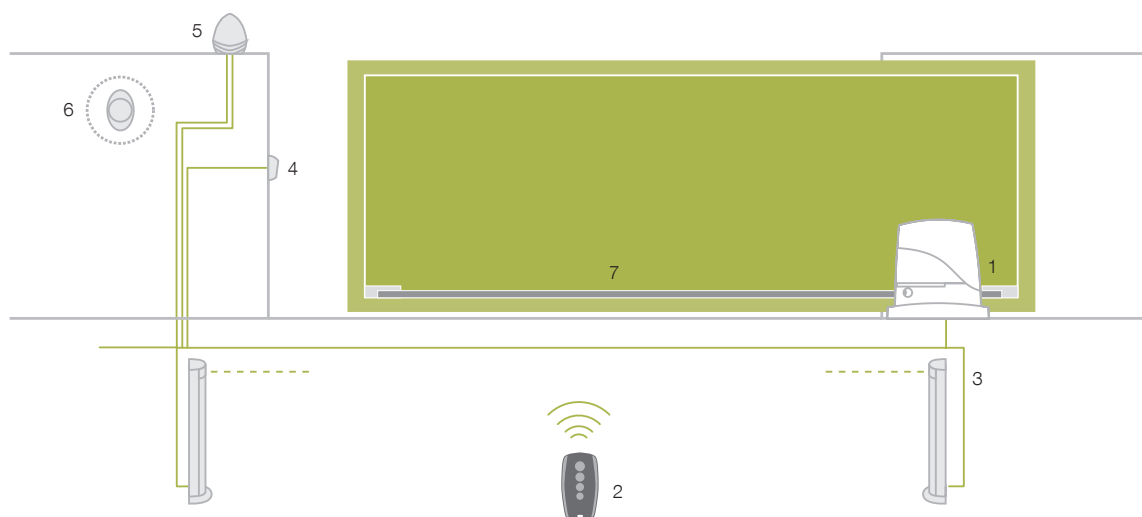
1. BUILT-IN CONTROL UNIT
The control unit, with built in receiver, guarantees the highest performance

2. EASY AND STRONG RELEASE
Release lever with customised key

TECHNICAL DATA

Model	DYNAMOSXL1800	
Code	23S001	
Gate max weight	kg	1800
Mains power supply	(Vac 50 Hz)	230
Motor supply	(Vac 50 Hz / Vdc)	24 Vdc
Maximum power draw	(W)	400
Speed	(m/s)	0,28
Force max	(N)	1120
Working cycle	(%)	90
Protection level	(IP)	44
Operating temperature	(°C)	-20 ÷ +55
Pinion	-	Z18 - M4
Automation weight	(kg)	18
Operator dimensions	(mm)	400x255x390 h

Also available in 110 V / 60 Hz version



BASIC INSTALLATION

1. Operator Dynamos XL
2. Transmitter
3. Photocells mounted on posts
4. Photocells
5. Flashing light
6. Key or digital switch
7. Rack

READY FOR



New last-generation electronics

KINGgates

Key release
system

Sturdy die-cast
aluminium frame

ACCESSORIES



CRIS200 - COD. 162322
Rack in galvanized steel
with screws and spacers.
30x12x1000 mm



CRIS400 - COD. 162324
Rack in galvanized
steel. 22x22x1000 mm
to be welded



CRIS600 - COD. 162323
M6 rack, 30x30x1000 mm,
zinc coated, to be
coupled with M600



M600 - 162665
12-teeth M6 pinion
to be coupled
with rack CRIS 600



IND100K - COD. 161236
Inductive limit switch



TAB - COD. ACC310
Signboard



**KINGKONNECT -
COD. 161234**
WiFi module to manage
STARG8 central units
from Smartphone



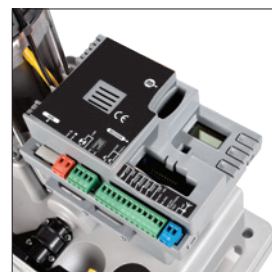
**WI-CLAVIS -
COD. 161235**
WiFi module for managing
automations via Smartphone



**CLAVIS ACCESS -
COD. 161251**
<https://clavis.app/>

Dynamos XL 1500 inverter

Automation for sliding gates up to 1500 kg



QUICK AND ROBUST

Three-phase motor with inverter piloted by a 230V control unit: maximum power and reliability ideal for industrial and commercial applications.
Adjustable accelerations and decelerations, adjustable running speed and deceleration for maximum safety in all conditions.
Dynamic torque management during all phases of the opening / closing cycle.
Slow start (programmable starting ramp).
Die-cast aluminum base with polyester paint and ABS plastics with anti-UVA treatments make it resistant to atmospheric agents.

PRECISION AND PERFORMANCE

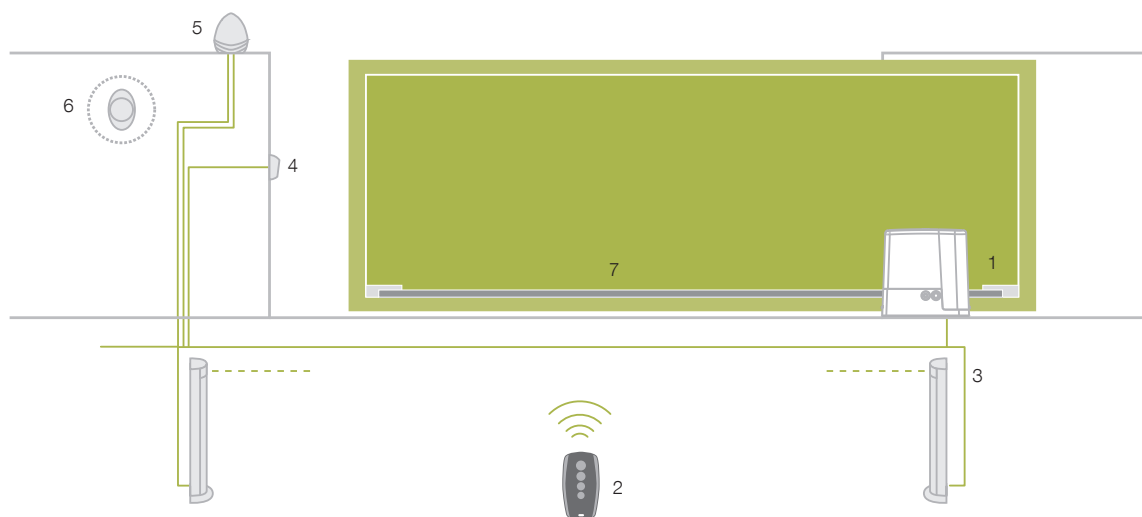
Precise and safe operation with encoder.
Obstacle detection.
Self-learning of working times.
Magnetic limit switches precise and reliable over time.

ADVANCED DIGITAL ELECTRONICS

New digital electronics for smoother automation control in terms of safety, duration and speed of installation.
Programming via 3 buttons and display.
Plug-in connector for MR2-K modular radio receiver.
Synchronized operation of two motors with SYNCRO module.
2 photocell inputs with self-test function.
2 inputs sensitive mechanical or resistive safety edges.
Courtesy light output.

TECHNICAL DATA

Model	DYNAMOSXL1500I	
Code	23C062	
Gate max weight	kg	1500
Mains power supply	(Vac 50 Hz)	230
Maximum power draw	(W)	570
Speed	(m/s)	0,035 - 0,26
Force max	(N)	1400
Working cycle	(%)	50
Protection level	(IP)	44
Operating temperature	(°C)	-20 ÷ +55
Pinion	-	Z18 - M4
Automation weight	(kg)	15
Operator dimensions	(mm)	334x200x328 h



BASIC INSTALLATION

1. Operator Dynamos XL
2. Transmitter
3. Photocells mounted on posts
4. Photocells
5. Flashing light
6. Key or digital switch
7. Rack

New digital control unit



Key release system

Sturdy die-cast aluminium frame

ACCESSORIES



CRIS100 - COD. 162313
Nylon rack with metal inserts.
28x20x1000 mm, M4
(10pcs / pack)



CRIS200 - COD. 162322
Rack in galvanized steel
with screws and spacers.
30x12x1000 mm, M4
(10pcs / pack)



CRIS400 - COD. 162324
Rack in galvanized
steel. 22x22x1000 mm
to be welded, M4
(10pcs / pack)



TAB - COD. ACC310
Signboard



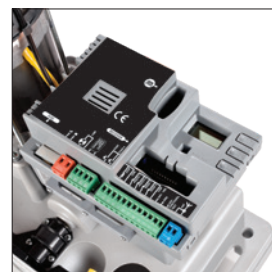
MR2-K - COD. 11B060
433.92 MHz plug-in receiver
module. It is possible to store
up to 500 transmitters



SYNCRO - COD. 161216
Modules for the synchronized
operation of two motors

Dynamos XL 2500 inverter

Automation for sliding gates up to 2500 kg



QUICK AND ROBUST

Three-phase motor with inverter piloted by a 230V control unit: maximum power and reliability ideal for industrial and commercial applications.
Adjustable accelerations and decelerations, adjustable running speed and deceleration for maximum safety in all conditions.
Dynamic torque management during all phases of the opening / closing cycle.
Slow start (programmable starting ramp).
Die-cast aluminum base with polyester paint and ABS plastics with anti-UVA treatments make it resistant to atmospheric agents.

PRECISION AND PERFORMANCE

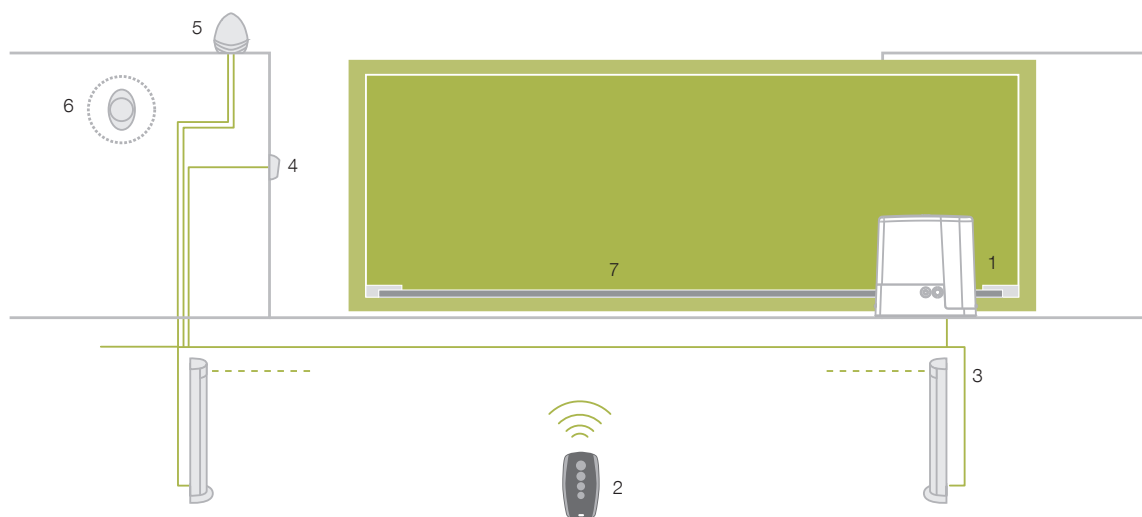
Precise and safe operation with encoder.
Obstacle detection.
Self-learning of working times.
Magnetic limit switches precise and reliable over time.

ADVANCED DIGITAL ELECTRONICS

New digital electronics for smoother automation control in terms of safety, duration and speed of installation.
Programming via 3 buttons and display.
Plug-in connector for MR2-K modular radio receiver.
Synchronized operation of two motors with SYNCRO module.
2 photocell inputs with self-test function.
2 inputs sensitive mechanical or resistive safety edges.
Courtesy light output.

TECHNICAL DATA

Model	DYNAMOSXL2500I	
Code	23E029	
Gate max weight	kg	2500
Mains power supply	(Vac 50 Hz)	230
Maximum power draw	(W)	750
Speed	(m/s)	0,035 - 0,26
Force max	(N)	1660
Working cycle	(%)	50
Protection level	(IP)	44
Operating temperature	(°C)	-20 ÷ +55
Pinion	-	Z18 - M4
Automation weight	(kg)	19
Operator dimensions	(mm)	380x250x377 h



BASIC INSTALLATION

1. Operator Dynamos XL
2. Transmitter
3. Photocells mounted on posts
4. Photocells
5. Flashing light
6. Key or digital switch
7. Rack

New digital control unit



Key release system

Sturdy die-cast aluminium frame

ACCESSORIES



CRIS200 - COD. 162322
Rack in galvanized steel with screws and spacers. 30x12x1000 mm, M4 (10pcs / pack)



CRIS400 - COD. 162324
Rack in galvanized steel. 22x22x1000 mm to be welded, M4 (10pcs / pack)



CRIS600 - COD. 162323
M6 rack, 30x30x1000 mm, zinc coated, to be coupled with MM017B



COD. MM017B
12-teeth M6 pinion to be coupled with rack CRIS 600



TAB - COD. ACC310
Signboard



MR2-K - COD. 11B060
433.92 MHz plug-in receiver module. It is possible to store up to 500 transmitters



SYNCRO - COD. 161216
Modules for the synchronized operation of two motors



KINGGates

Brand of V2 S.p.A.

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