

Dynamos

Automation for sliding gates up to 1000 Kg

VERSIONSPRECISE AND SILENT MECHANICS

Reliability and safety are at the base of the mechanical components: produced with sturdy materials, they turn on large ball bearings that are attached to die-cast aluminium roller housings. The internal gear has involute teeth. This special construction allows maximum contact between the worm screw and the gear. The tooth wraps around the screw whereas in traditional construction the parts in contact add up to just a few millimetres.

The result?

Quiet movement, high performance, no wear.

4 Kg of die cast aluminium, ABS plastic parts with anti-UVA ray treatment and pure polyester painting make **Dynamos a solid automation that can stand up to any sort of weather.**

The sturdy handle in die cast aluminium with personalized key allows manual opening of the gate and disables the electronic apparatus, preventing undesired movement.

BUILT-IN ELECTRONICS

Star D1230KG and Star D124KG are the control units integrated into the Dynamos automation. They simplify the job of the installer ensuring high performance in terms of safety, durability and speed. A sole hardware speeds up the commissioning of automation management and maintenance becomes simple and practical. The plastic box, spare fuses and the removable memory card are some examples of functionality and design of this reliable and innovative product.

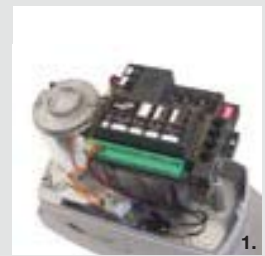
The software technology PWM (Pulse width modulation) in the 24 Vdc control units and the Cycle Set Up system in the 230 Vac control units ensure maximum safety in case of obstacles and allow to adjust the gate speed in opening and closing.

DYNAMOS TWIN

Dynamos Twin is the kit solution for sliding gate installation with double wings.

Two operators, one with control unit for a perfect synchronization of the motors and accessories.

Available in two 230 Vac versions for gate up to 500 Kg and 1000 Kg.



1.



2.



3.

1. CONTROL UNIT

Quick regulations by trimmers and dip-switches, self-learning programming procedure

2. STURDY FRAME

Sturdy die-cast aluminium frame, designed to last long

3. KEY RELEASE SYSTEM

Aluminium release handle with protected lock and customized release key

Compartment for an easy access to control unit



Die-cast aluminium frame

Key release system

DYNAMOS - TECHNICAL DATA

		D 500	D 1000	D 24/400	D 24/600	D 24/1000
Code						
Mains power supply	(Vac 50 Hz)	230				
Motor supply	(Vac/Vdc)	230		24		
Motor power	(W)	200	400	40	70	80
Speed	(m/min.)	10		9 ÷ 15		
Overload cut-out	(°C)	140		-		
Weight	(kg)	10	12	9	11	
Max weight of the gate	(kg)	500	1000	400	600	1000
Cycle of work	(%)	30		50	80	
Dimensions	(mm)	325x185x274				
Working temperature	(°C)	-20 ÷ +55				

Also available in 110 V version

Dynamos

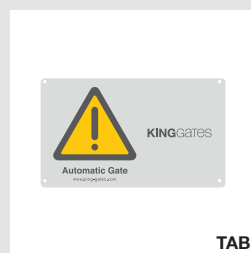
MOTORS - AVAILABLE VERSIONS					
Code	Motor	Control unit	Radio receiver	Fixing kit	Gate max weight
Dynamos 500	230 Vac	Star D 1230 KG	•	•	500 kg
Dynamos 1000	230 Vac	Star D 1230 KG	•	•	1000 kg
Dynamos 24/400	24 Vdc	Star D 124 KG	•	•	400 kg
Dynamos 24/600	24 Vdc	Star D 124 KG	•	•	600 kg
Dynamos 24/1000	24 Vdc	Star D 124 KG	•	•	1000 kg

DYNAMOS TWIN - AVAILABLE VERSIONS					
Code	Dynamos 500 with control unit Star 2230 KG	Dynamos 500 without electronics	Dynamos 1000 with control unit Star 2230 KG	Dynamos 1000 without electronics	Gate max weight
Dy Twin 500	•	•			500 kg
Dy Twin 1000			•	•	1000 kg

Dynamos Kit

KIT - AVAILABLE VERSIONS										
Code	DYNAMOS 500	DYNAMOS 24/400	DYNAMOS 24/600	STYLO 4K	IDEA PLUS	NOVO LT 24 PLUS	VIKY 30	NOVO PH 180	TAB	Gate max weight
Dy Kit 230/500	•			• (2)	•		•		•	500 kg
Dy Kit 230/500 LT	•			• (1)			•			500 kg
Dy Kit 24/400		•		• (2)	•		•		•	400 kg
Dy Kit 24/400 LT		•		• (1)			•			400 kg
Dy Kit 24/600			•	• (2)	•		•		•	600 kg
Dy Kit 24/600 LT			•	• (1)			•			600 kg
Dy Kit 24/400 NV		•		• (2)		•		•	•	400 kg
Dy Kit 24/600 NV			•	• (2)		•		•	•	600 kg

24 V version also available for markets with 110 V mains power supply



ACCESSORIES



CRIS 100
Nylon rack with metal inserts.
28x20x1000



CRIS 200
Rack in galvanized steel
with screws and spacers.
30x12x1000



CRIS 400
Rack in galvanized
steel.
22x22x1000



PDY 100
Foundation plate
for ground level mounting



BAT M 016
24 V 1.6 Ah battery



BAT K2
Battery charge card
for BAT M016

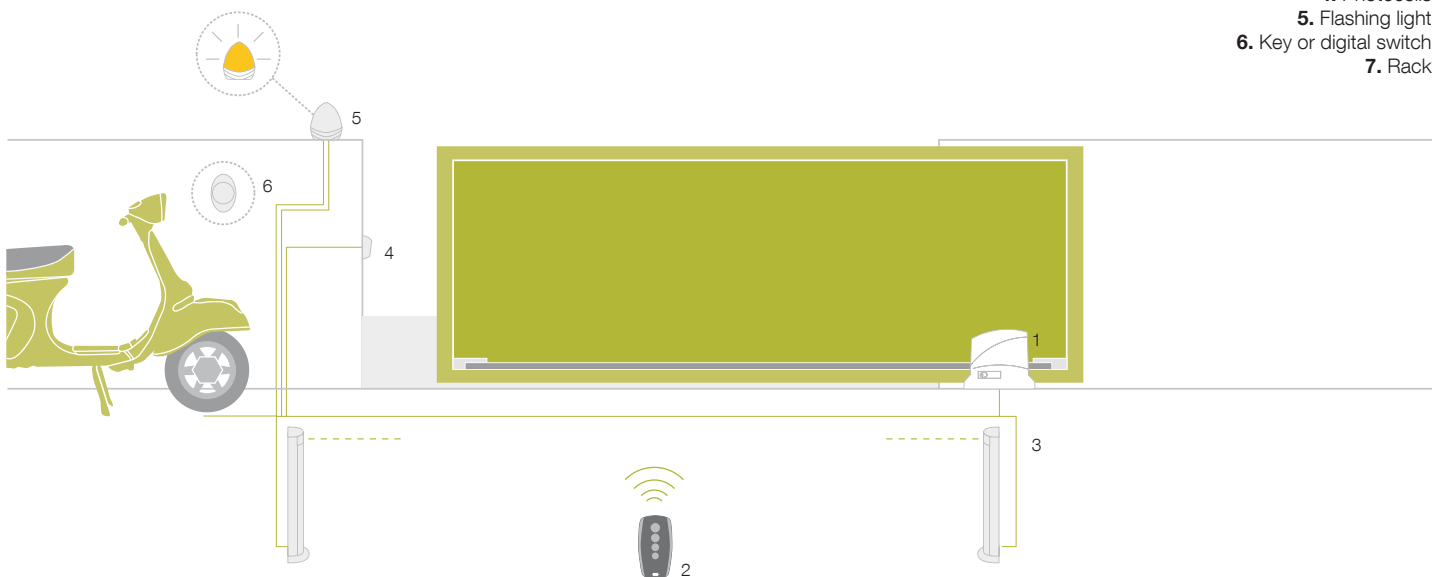


STAR D 124 KG
Spare control unit for 24 V
Dynamos with MEMO 200
and plastic protection



STAR D 1230 KG
Spare control unit for 230 V
Dynamos with MEMO 200
and plastic protection

INSTALLATION DIAGRAM



Basic installation:

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

Dynamos XL

Automation for sliding gates up to 2500 kg

QUICK AND ROBUST

Dynamos XL in 24 Vdc and 230 Vac versions: 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.

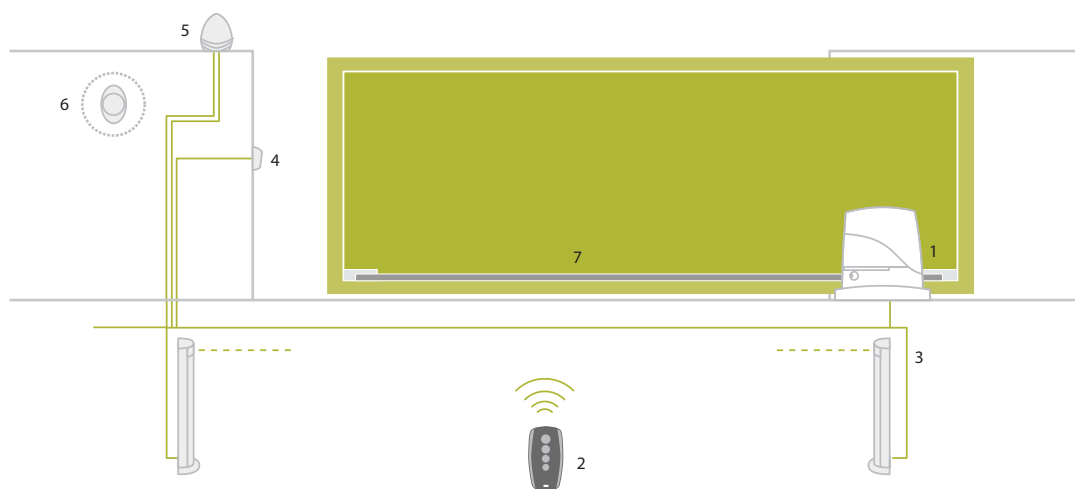
SMART TRADITIONAL ELECTRONICS

STARG8 control units radically simplify the installer's job, guaranteeing high levels of performance 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 new STARG8 control unit, with built in receiver, guarantees the highest performance
- 2. EASY AND STRONG RELEASE
Release lever with customised key
- 3. STURDY FRAME
The high thickness of the die-cast aluminium frame are ideal for an intensive use



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



Built-in Smart Traditional electronics



Key release system

Sturdy die-cast aluminium frame

TECHNICAL DATA

Code		DYNAMOS XL 1800	DYNAMOS XL 2500
Mains power supply	(Vac 50 Hz)	230	
Motor supply	(Vac 50 Hz / Vdc)	24 Vdc	230 Vac
Maximum power draw	(W)	400	870
Speed	(m/s)	0.28	0.17
Force max	(N)	1120	1390
Working cycle	(%)	90	70
Protection level	(IP)	44	
Operating temperature	(°C)	-20 ÷ +55	
Automation weight	(kg)	18	23.5
Operator dimensions	(mm)	400x255x390 h	

Also available in 110 V / 60 Hz version