

**Dynamos**  
Automation  
for sliding gates



# Dynamos

## Automation for sliding gates up to 1000 Kg

### VERSIONSPRECISE AND SILENT MECHANICS

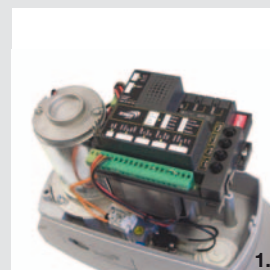
Reliability and safety are at the base of the mechanical components: produced with sturdy materials, they turn on large ball bearings that are attached to die-cast aluminium roller housings. The internal gear has involute teeth. This special construction allows maximum contact between the worm screw 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 D 1230 and Star D 124 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

Key release system

Die-cast aluminium frame



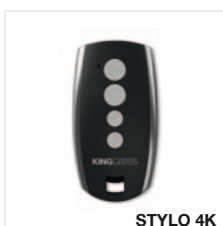
## TECHNICAL DATA

Code		D 500	D 1000	D 24/350	D 24/600	D 24/1200
Power supply	(Vac 50 Hz)	230				
Motor	(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)	300	500	350	600	1200
Cycle of work	(%)	30			50	80
Dimensions	(mm)	325x185x274				
Working temperature	(°C)	-20 ÷ +55				

## AVAILABLE VERSIONS



MODUS MA



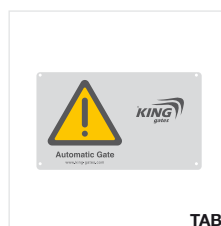
STYLO 4K



IDEA 24 PLUS



VIKY 30



TAB



NOVO LT 24 PLUS



NOVO PH 180

## MOTORS - AVAILABLE VERSIONS

Code	Motor	Electronic unit	Radio receiver	Fixing kit	Gate max weight
Dynamos 500	230 Vac	Star D 1230	•	•	500 kg
Dynamos 1000	230 Vac	Star D 1230	•	•	1000 kg
Dynamos 24/350	24 Vdc	Star D 124	•	•	350 kg
Dynamos 24/600	24 Vdc	Star D 124	•	•	600 kg
Dynamos 24/1000	24 Vdc	Star D 124	•	•	1000 kg

## KIT - AVAILABLE VERSIONS

Code	DYNAMOS 500	DYNAMOS 24/350	DYNAMOS 24/600	STYLO 4K	IDEA 24 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 24/350		•		• (2)	•		•		•	350 kg
Dy Kit 24/350 LT		•		• (1)			•			350 kg
Dy Kit 24/600			•	• (2)	•		•		•	600 kg
Dy Kit 24/600 LT			•	• (1)			•			600 kg
Dy Kit 24/350 NV		•		• (2)		•		•	•	350 kg
Dy Kit 24/600 NV			•	• (2)		•		•	•	600 kg

## DYNAMOS TWIN - AVAILABLE VERSIONS

Code	Dynamos 500 with control unit Star D2230 MS	Dynamos 500 without electronics	Dynamos 1000 with control unit Star D2230 MS	Dynamos 1000 without electronics	Gate max weight
Dy Twin 500	•	•			500 kg
Dy Twin 1000			•	•	1000 kg

## 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

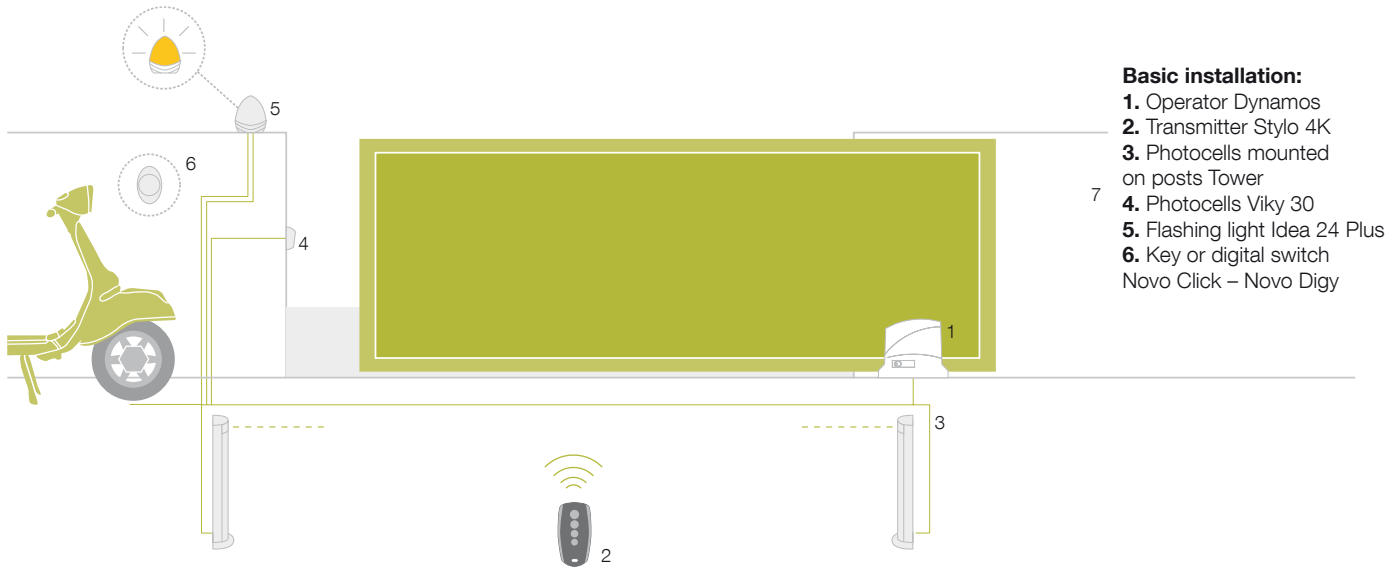


**BAT M 016**  
Batteries 24V 1,6 Ah  
for Star D 124



**BAT K2**  
Battery charge card  
for Bat M016

## SCHEME OF INSTALLATION



### Basic installation:

1. Operator Dynamos
2. Transmitter Stylo 4K
3. Photocells mounted on posts Tower
4. Photocells Viky 30
5. Flashing light Idea 24 Plus
6. Key or digital switch Novo Click – Novo Digy