

# MiniModus

## Automation for swing gates with leaves up to 2 m - 250 Kg

### EASY TO INSTALL

MiniModus is the gear motor with articulated arm for swing gates with leaves up to 2 m and 250 kg. **With just 155 mm in width, this gear motor allows its fixing also on small spaces while the geometry of the articulated arm guarantees its installation also on wide posts with distance between the axle of the leave and the fixing surface of the gear motor up to 240 mm.**

### COMPACT AND SAFE

**MiniModus holds inside a control unit and the housing for batteries which guarantee operations also after several hours after a black-out.**

The release operation, as for all KINGgates products, is simple and fast while the fixing of the gear motor to a post and on the gate is fast and comfortable to the fitter. In fact, thanks to screw-adjustable brackets, it is not necessary any operation of welding.

### INTEGRATED CONTROL UNIT

Star MM224 KG is the integrated control unit inside MiniModus. This control unit radically simplifies the fitter's job by guaranteeing high performances in terms of safety, duration and speed. Its plastic box, the spare fuses and the removable memory card are examples of the functionality and design of this reliable and innovative product.

**The software technology PWM (Pulse width modulation) guarantees safety in case of obstacles and allows the regulation of the speed on opening and closing of the gate.**



1.



2.



3.

#### 1. CONTROL UNIT

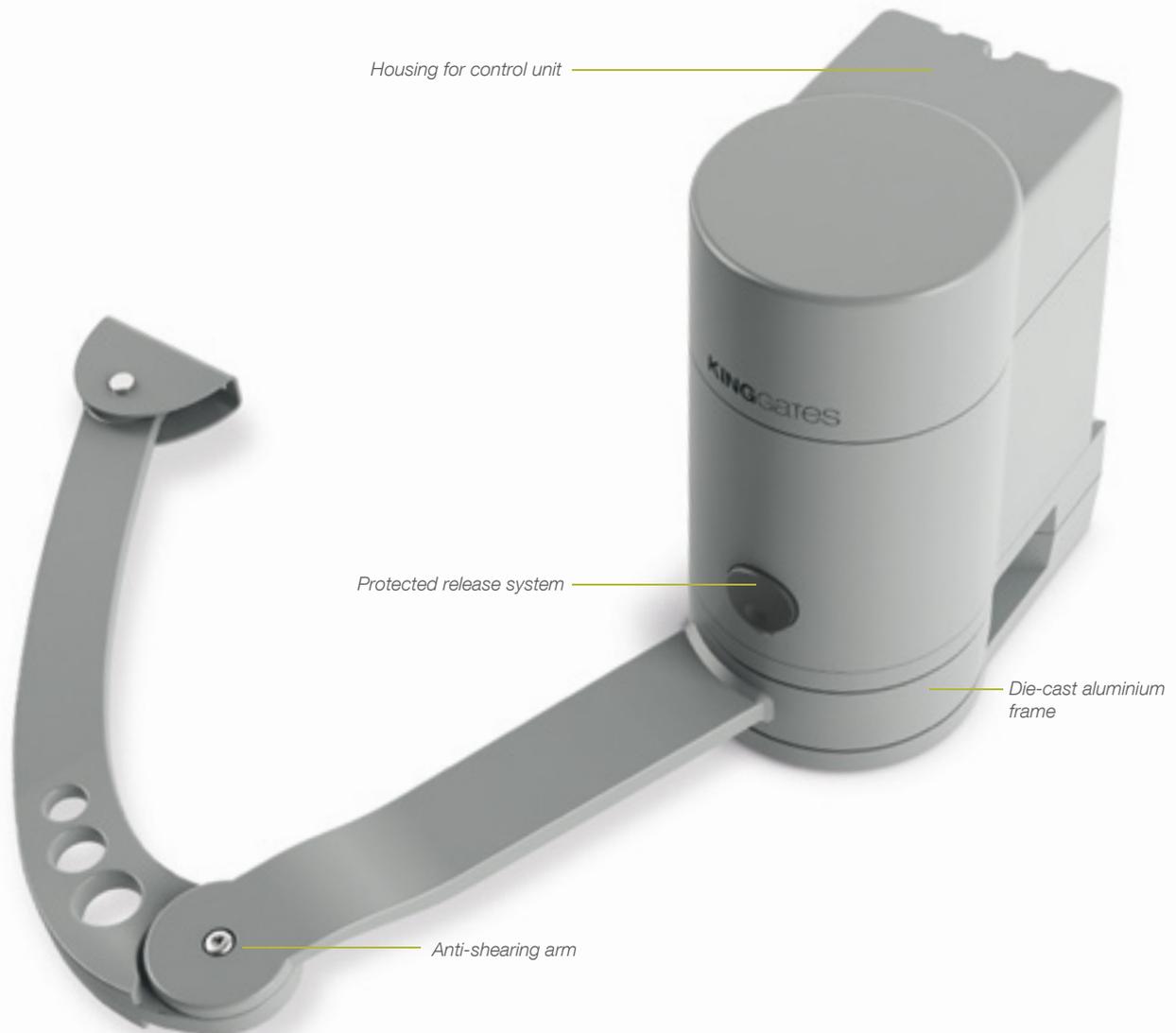
*Fast regulation by trimmers and dip-switches, programming with self-learning function.*

#### 2. ARTICULATED ARM

*Strong die-cast aluminium arm with anti-shearing device.*

#### 3. MECHANICAL LIMIT SWITCH

*Strong adjustable steel limit switch.*



**MINIMODUS 24 - TECHNICAL DATA**

		MINIMODUS
Code		MINIMODUS
Mains power supply	(Vac 50 Hz)	230
Motor supply	(Vdc)	24
Torque	(Nm)	150
Speed	(Rpm)	1.2 ÷ 1.7
Protection level	(IP)	44
Weight	(kg)	6.5
Max length of the gate	(m)	2
Max weight of the gate	(kg)	250
Work cycle	(%)	30
Dimensions	(mm)	155x253x314
Working temperature	(°C)	-20 ÷ +50

Also available in 110 V version

# MiniModus

## MOTORS - AVAILABLE VERSIONS

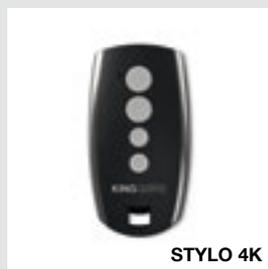
Code	Motor	Control unit	Radio receiver	Mechanical stop	Fixing kit	Articulated arm	Wing max dimensions
MiniModus SL	24 Vdc	-	-	• (1)	•	•	2 m; 250 kg
MiniModus MA	24 Vdc	Star MM224	•	• (1)	•	•	2 m; 250 kg

# MiniModus Kit

## KIT - AVAILABLE VERSIONS

Code	MINIMODUS MA	MINIMODUS SL	STYLO 4K	IDEA 24 PLUS	VIKY 30	NOVO LT 24 PLUS	NOVO PH 180	TAB	Wing max dimensions
MiniModus Kit 24	•	•	• (2)	•	•			•	2 m ; 250 kg
MiniModus Kit 24 LT	•	•	• (1)		•				2 m ; 250 kg
MiniModus Kit 24 NV	•	•	• (2)			•	•	•	2 m; 250 kg

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



## ACCESSORIES



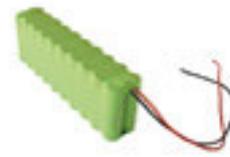
**LOCK HO**  
Horizontal 12 V  
electric lock



**LOCK VE**  
Vertical 12 V  
electrical lock



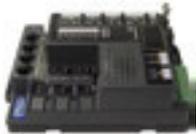
**SELC 100**  
Card for electrical lock



**BAT M 016**  
24 V 1.6 Ah battery

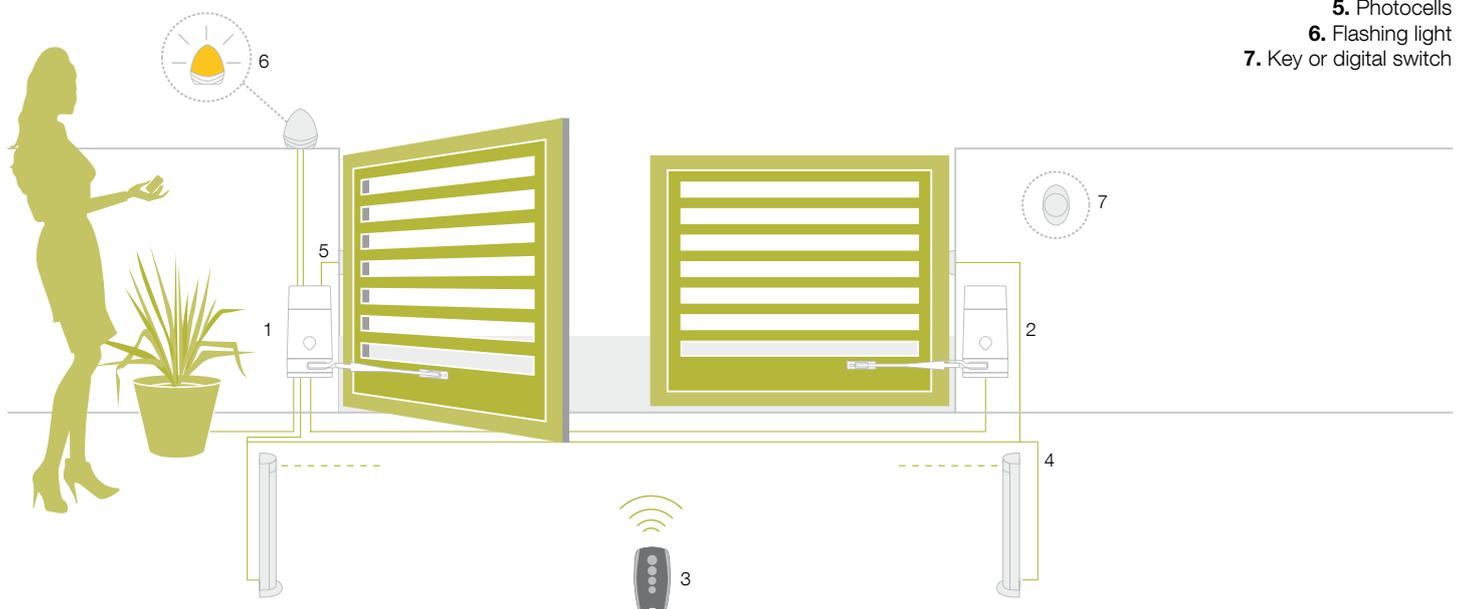


**BAT K2**  
Battery charge card  
for BAT M016



**STAR MM 224 KG**  
Spare control unit for  
Minimodus with MEMO 200  
and plastic protection

## INSTALLATION DIAGRAM



### Basic installation

1. Motoriduttore MiniModus MA
2. Motoriduttore MiniModus SL
3. Transmitter
4. Photocells mounted on posts
5. Photocells
6. Flashing light
7. Key or digital switch