# KINGgates

# minimodus
## automation for swing gates
## with leaves up to 2m - 250 kg

# MiniModus

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



**1.**

### EASY TO INSTALL

MiniModus is the gear motor with articulated arm for swing gates with leaves up to 2 m - 250 kg.
**With just 155 mm in width, this gear motor can be fixed also on small spaces while the geometry of its articulated arm guarantees an installation on wide posts with distance between the axle of the leaf and the fixing surface of the gear motor up to 240 mm.**
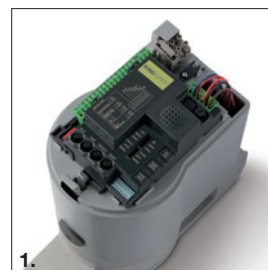
### COMPACT AND SAFE

**MiniModus holds inside a control unit and the housing for batteries which guarantee operations also after several hours of 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.
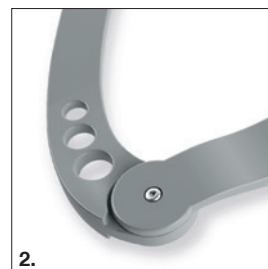
### SMART TRADITIONAL ELECTRONICS

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.



**2.**
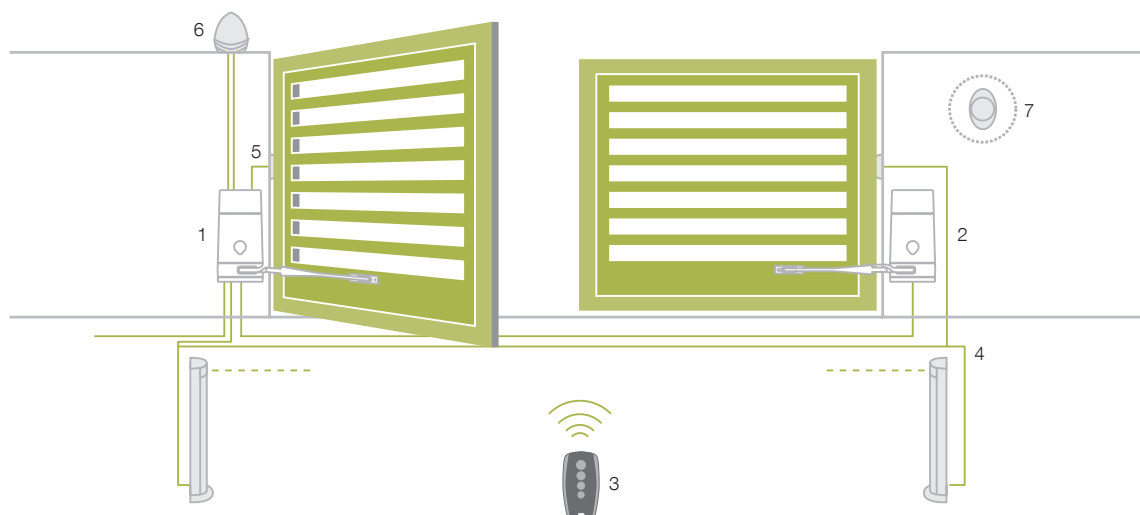


**3.**

**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**
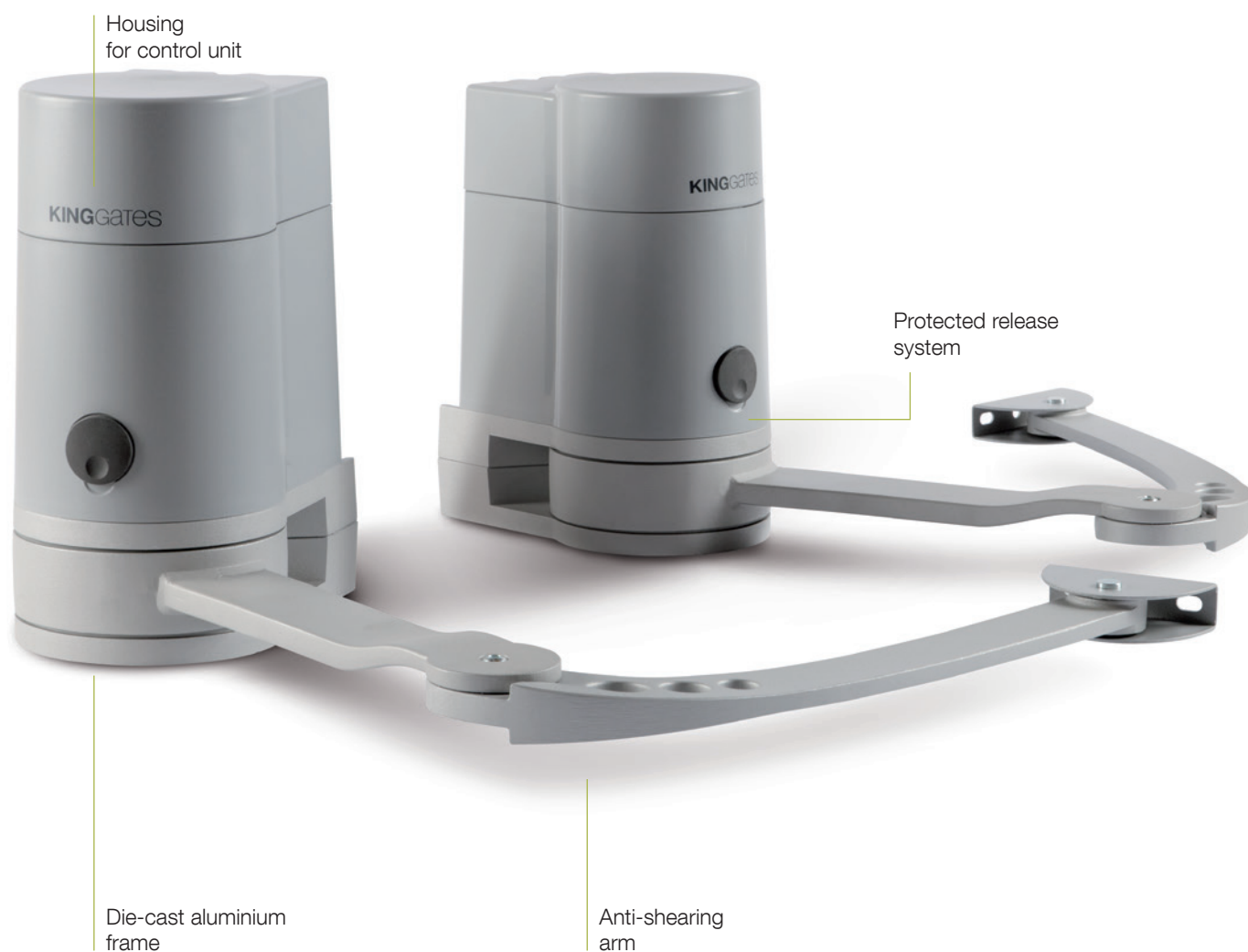Strong adjustable steel limit switch



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

READY FOR

Housing
for control unit

Protected release
system

Die-cast aluminium
frame

Anti-shearing
arm

**TECHNICAL DATA**

| Model | | MINIMODUS24SL + MINIMODUS24MA |
|---|---|---|
| Code | | 22S006 + 22S005 |
| Mains power supply | (Vac 50 Hz) | 230 |
| Motor supply | (Vdc) | 24 |
| Maximum power draw | (W) | 250 |
| Speed | (rpm) | 1 |
| Torque max | (Nm) | 150 |
| Working cycle | (%) | 50 |
| Protection level | (IP) | 44 |
| Operating temperature | (°C) | -20 ÷ +55 |
| Automation weight | (kg) | 6,2 |
| Operator dimensions | (mm) | 155x253x314 h |

**24 V version also available for markets with 110 V / 60 Hz mains power supply**

## MINIMODUS

| Model | 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 | STARG8 24 | • | • (1) | • | • | 2 m - 250 kg |

## MINIMODUS KIT

| Model | Code | MINIMODUS MA | MINIMODUS SL | STYLO 4K | IDEA | VIKY 30 | TAB | Wing max dimensions |
|-------|------|--------------|--------------|----------|------|---------|-----|---------------------|
| MINIMODUSKIT24 | 29S123 | • | • | • (2) | • | • | • | 2 m - 250 kg |
| MINIMODUSKIT24VL | 29S126 | • | • | • (2) | | | | 2 m - 250 kg |

**24 V version also available for markets with 110 V / 60 Hz mains power supply**



**MINIMODUS MA**



**MINIMODUS SL**



**STYLO 4K**
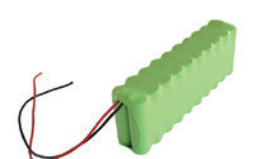


**IDEA**



**VIKY 30**



**TAB**

**LOCK HO - COD. 162913**
Horizontal
electro lock 12 V

**LOCKVE - COD. 162912**
Vertical
electro lock 12 V

**BATM016 - COD. 161237**
24 V 1.6 Ah battery

**BATK3 - COD. 161232**
Battery charge card
for BAT M016

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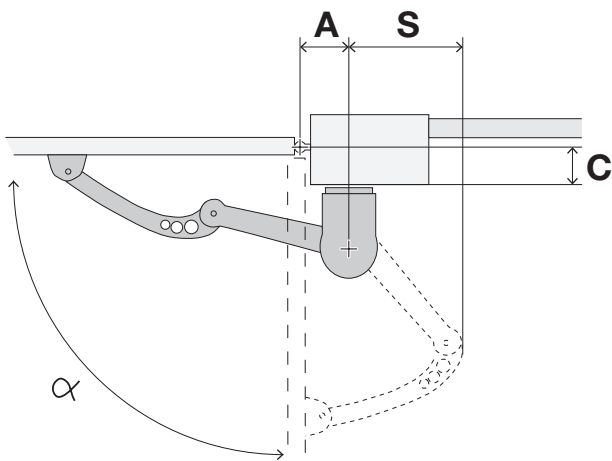STARG8 central units
from Smartphone

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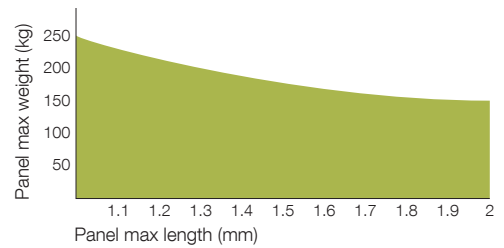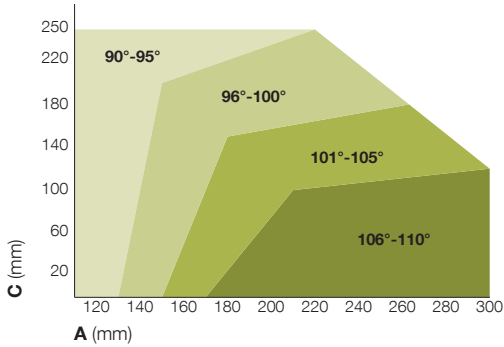WIFI module for managing
automations via Smartphone

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

## LIMITS OF USE FOR THE PRODUCT

| A | C | S | $\alpha$ |
|---|---|---|---|
| 130 | 30 | 350 | 95 |
| 180 | 30 | 385 | 105 |
| 135 | 60 | 360 | 95 |
| 195 | 60 | 385 | 105 |
| 140 | 90 | 365 | 95 |
| 205 | 90 | 385 | 105 |
| 140 | 120 | 375 | 95 |
| 220 | 120 | 385 | 105 |
| 145 | 150 | 380 | 95 |
| 230 | 150 | 370 | 105 |
| 150 | 180 | 365 | 95 |
| 250 | 180 | 330 | 105 |
| 165 | 210 | 370 | 95 |
| 205 | 240 | 345 | 95 |

C (mm) / A (mm) graph:
- 90°-95°
- 96°-100°
- 101°-105°
- 106°-110°

Panel max weight (kg) / Panel max length (mm) graph

**KING**Gates

# KING spec ialist

## app for the installer

The Kingspecialist App allows you to complete all the programming phases of the installation, directly on the smartphone and tablet.

![ANDROID APP ON Google play]  ![Download on the App Store]

# KINGSPECIALIST

## Basic programming

Automatic learning procedure, custom setting of the slowdown points, speed and direction of the motor. Realtime feedback of trimmers values (motor power, obstacle sensitivity, delay, pause), Dip-switches and connections instructions.

## advanced settings

Advanced programming. Setting of AUX, HAZ and GSI outputs. Management of inputs for photocells. Setting of wired inputs. Speed and slowdown points custom configuration. Power saving mode (Standby). Backjump adjustment. Factory settings reset.

## memorizing remote radio controls

Quick and easy procedure for memorizing remote radio controls near control panel, without having to access it. Copy of transmitters functions. Management of MEMO 2000 module (remote controls backup and restore on replacement control board).

KING gates

**Brand of V2 S.p.A.**
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