

KINGGates



# modus

AUTOMATION FOR SWING GATES  
WITH LEAVES UP TO 4.2m - 500 KG



# Modus

## Automation for swing gates with leaves up to 4.2 m - 500 kg

### PATENTED PERFORMANCES

Thanks to its patented mechanics, Modus can automate big gates with dimensions up to 4.2 m and 500 kg. It has a precise mechanical limit switch regulation that allows a fine adjustment of the wing in opening and closing. Easy and fast to install with its 165 mm of width, available in two motor versions with two standard arms and two optional arms with sliding and rotating features for every type of installation.

**4 kilograms of aluminum, 4-stage gear box entirely in stainless and high-quality synthetic lubricant make Modus a indestructible automation and can be used at any temperature.**

The 24 V motor allows intensive use installations.

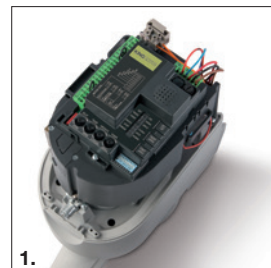
### SMART TRADITIONAL ELECTRONICS

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.

### NEW MOTOR FOR MODUS XL

MODUS XL new transmission guarantees maximum reliability and mechanical resistance even for challenging installations thanks to a more powerful gear motor.



1.



2.



3.

#### 1. CONTROL UNIT

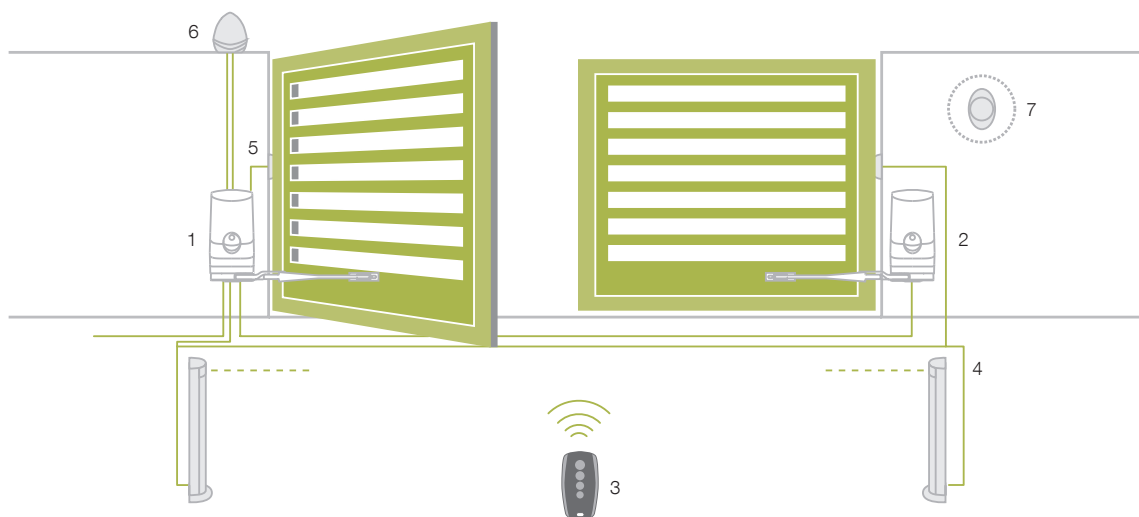
Fast regulation with trimmers and dip-switches, programming with self-learning function

#### 2. ARTICULATED ARM

Strong die-cast aluminium arm with anti-shearing device

#### 3. MECHANICAL LIMIT SWITCH

Strong adjustable steel limit switch

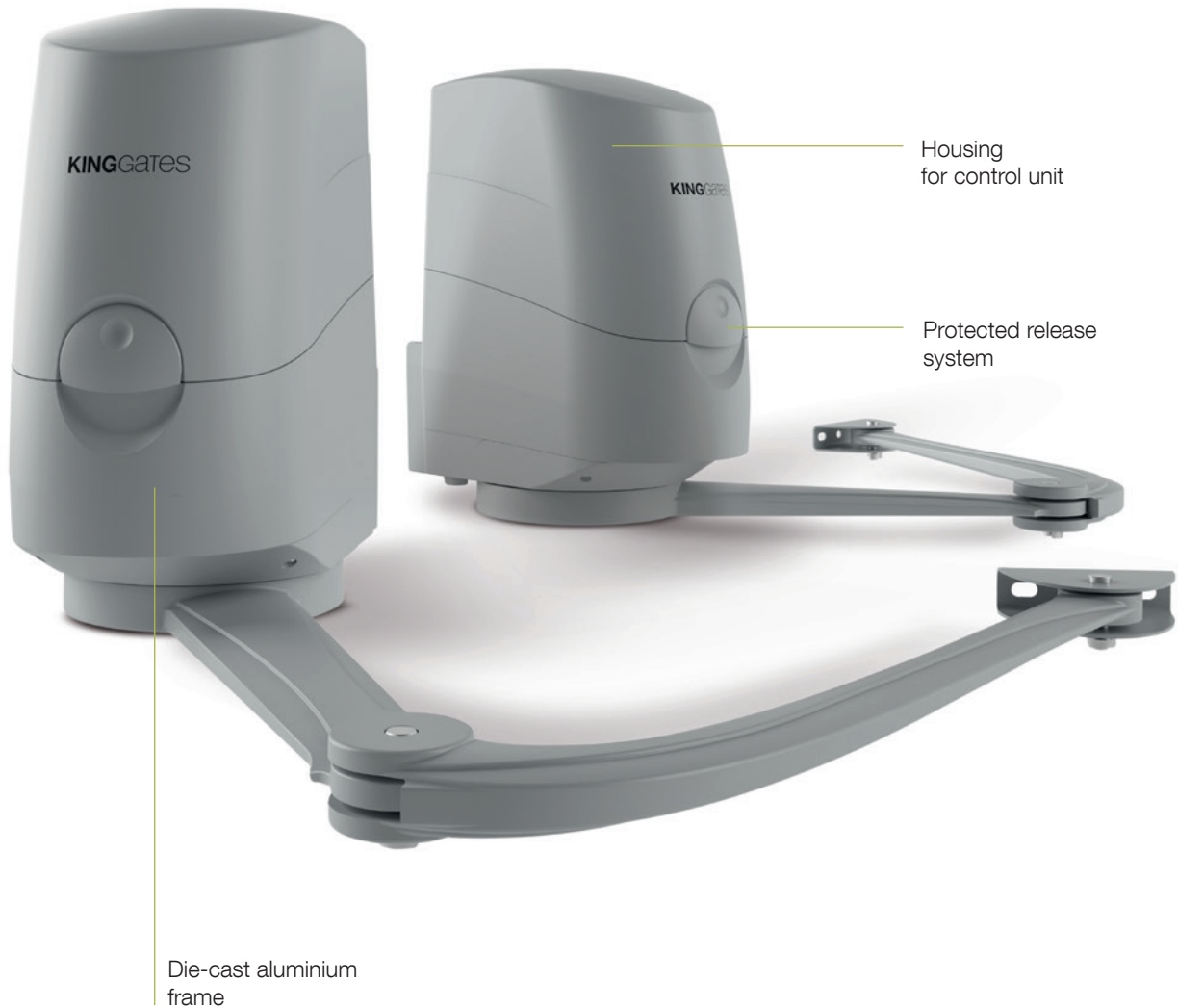


#### BASIC INSTALLATION

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

READY FOR





**TECHNICAL DATA**

Model		MODUS280SL + MODUS280MA	MODUSXL SL + MODUSXLMA
Code		22S044 + 22S042	22S050 + 22S048
Mains power supply	(Vac 50 Hz)		230
Motor supply	(Vdc)		24
Maximum power draw	(W)	280	350
Speed	(rpm)		1,5
Torque max	(Nm)	650	760
Working cycle	(%)		80
Protection level	(IP)		44
Operating temperature	(°C)		-20 ÷ +55
Automation weight	(kg)		7,5
Operator dimensions	(mm)		165x250x306 h

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

## MODUS

Model	Motor	Control unit	Radio receiver	Mechanical stop	Fixing kit	Wing max dimensions
Modus 280 SL	24 Vdc			• (2)	•	2,8 m - 300 kg
Modus 280 MA	24 Vdc	STARG8 24	•	• (2)	•	2,8 m - 300 kg
Modus XL SL	24 Vdc			• (2)	•	4,2 m - 500 kg
Modus XL MA	24 Vdc	STARG8 24	•	• (2)	•	4,2 m - 500 kg

Gear motors Modus don't include the arm of connection to the leaf. It is necessary to choose the most suitable arm for the gate in the list of the following page.

## MODUS KIT

Model	Code	MODUS 280 MA	MODUS 280 SL	MODUS XL MA	MODUS XL SL	MO LINK 420	STYLO 4K	IDEA	VIKY 30	TAB	Wing max dimensions
MODUSKIT280	29S128	•	•			• (2)	• (2)	•	•	•	2,8 m - 300 kg
MODUSKIT280VL	29S149	•	•			• (2)	• (2)				2,8 m - 300 kg
MODUSKITXL	29S152			•	•	• (2)	• (2)	•	•	•	4,2 m - 500 kg
MODUSKITXLVL	29S155			•	•	• (2)	• (2)				4,2 m - 500 kg

Kits include the arm MO LINK 420.

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



MODUS MA



MODUS SL



STYLO 4K



IDEA



VIKY 30



TAB



## CONNECTION ARMS



### MOLINK180 - COD. 162271

For leaves up to 1.8 m. Distance between the axle of rotation of the gate and the fixing surface of the gear motor 200 mm



### MOLINK420 - COD. 162272

For leaves up to 4.2 m. Distance between the axle of rotation of the gate and the fixing surface of the gear motor 350 mm



### MOLINKR42 - COD. 162275

Rotative arm  
(Inclination +/- 8°)  
Leaves max dimensions  
4.2 m - 500 kg



### MOLC18SX - COD. 162273

Sliding arm for leaves up to 1.8 m - 300 kg.  
Left version



### MOLC18DX - COD. 162274

Sliding arm for leaves up to 1.8 m - 300 kg.  
Right version

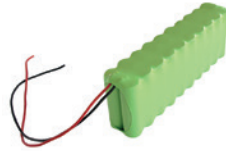
## ACCESSORIES



**BK40 - COD. 1729A5**  
Mechanical limit switch  
(2 pieces)



**BLINDO44 - COD. 162662**  
External lever release with  
wire rope included



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



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



**LOCKHO - COD. 162913**  
Horizontal  
electro lock 12 V



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



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

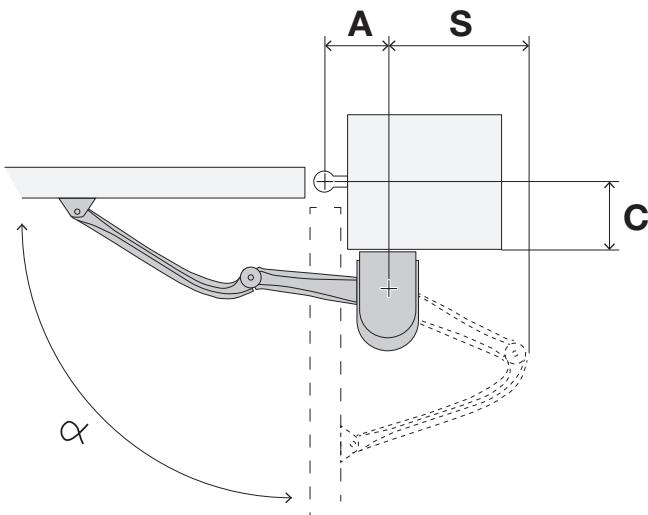


**WI-CLAVIS - COD. 161235**  
WiFi module for managing  
automations via Smartphone



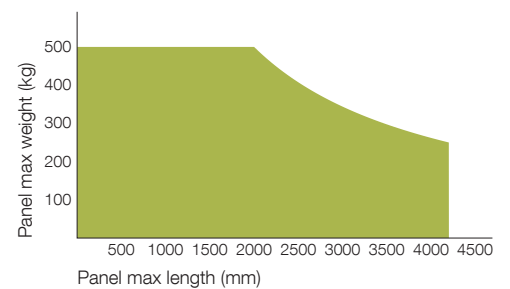
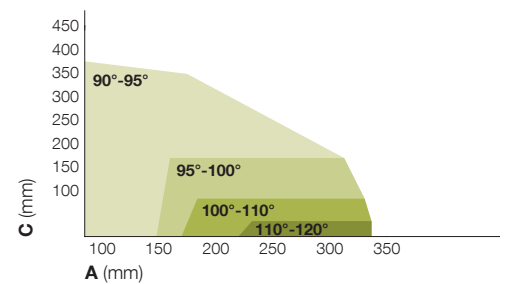
**CLAVIS ACCESS - COD. 161251**  
<https://clavis.app/>

## LIMITS OF USE FOR THE PRODUCT



**MO LINK 420**

A	C	S	$\alpha$
140	30	314	90
250	30	398	110
140	80	340	90
185	80	387	100
140	130	355	90
170	130	387	95
140	160	364	90
160	160	388	95
140	200	375	90
150	200	392	90
140	240	383	90
150	240	394	90
140	280	389	90
170	280	393	90
140	320	390	90
170	320	385	90





## **APP FOR THE INSTALLER**

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



# **KING**SPECIALIST

### **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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