KINGgates

STARG8

ELECTRONICS FOR ONE OR TWO
24 VDC AND 230 VAC MOTORS

STARG8

Electronics for one or two 24 Vdc and 230 Vac motors

1 control unit 24 Vdc and 1 control unit 230 Vac, for all gate motors.

STARG8 control units radically simplify the installer's job, guaranteeing high levels of performance in terms of safety, time and speed.

A single programming method speeds up the activation of the automatic devices and managing maintenance operations becomes simple and practical.

Practical regulation using trimmers, self-learning gate travel programming using a single method, diagnostic LEDs and dip-switches for setting operating modes.

Plastic cover with explanatory labels and spare fuses.

Management of slow-down options, speed regulation and obstacle control in all versions.

1. TRIMMER + DIP-SWITCH
Programming using trimmers and dip-switch

2. 3 LED BUTTONS
Easy programming with 3 buttons and Led

3. SCREEN-PRINTED CONNECTORS
Screen-prints in correspondence with the unit and the removable connectors

4. FUSE BOX
Practical maintenance of the fuses without opening the control unit, spare fuses supplied

STANDARD FUNCTIONS

Open-Pause-Close mode

Step-Step mode

Automatic Closing

Pedestrian Opening

Fast closing

Slow opening

Slow closing

Safety device test

Gate status indicator light

Kick-back

Flashing light management

Opening phase safety device

Closing phase safety device

Programmable pause time

Speed setting *

Thrust force setting

Obstacle threshold regulation

Delay between doors regulation

Integrated radio receiver

Pedestrian control via radio and wired

Start/open/close controls via radio and wired

Wired stop control

Number of radio controls that can be memorized (integrated memory) 170

NEW FUNCTIONS

Simplified motor direction inversion

LED-based diagnostics

Backjump adjustment

Power supply voltage for customized electric lock *

Customizable auxiliary output for electric or magnetic lock

8k2 safety device input with customizable test inputs

Customization of wired inputs as "start/pedestrian" or "open/close"

Inhibition of wired inputs

Protection and blocking of control unit

Energy saving *

Auxiliary output controlled by radio remote

Set up for additional memory

FUNCTIONS THAT CAN BE ACTIVATED FROM A SMART PHONE

Standard functions

Programming of advanced functions

Installation check-up

Management of periodical maintenance
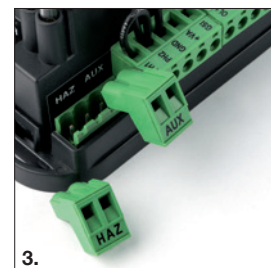
Upload and download the remotes database

READY FOR

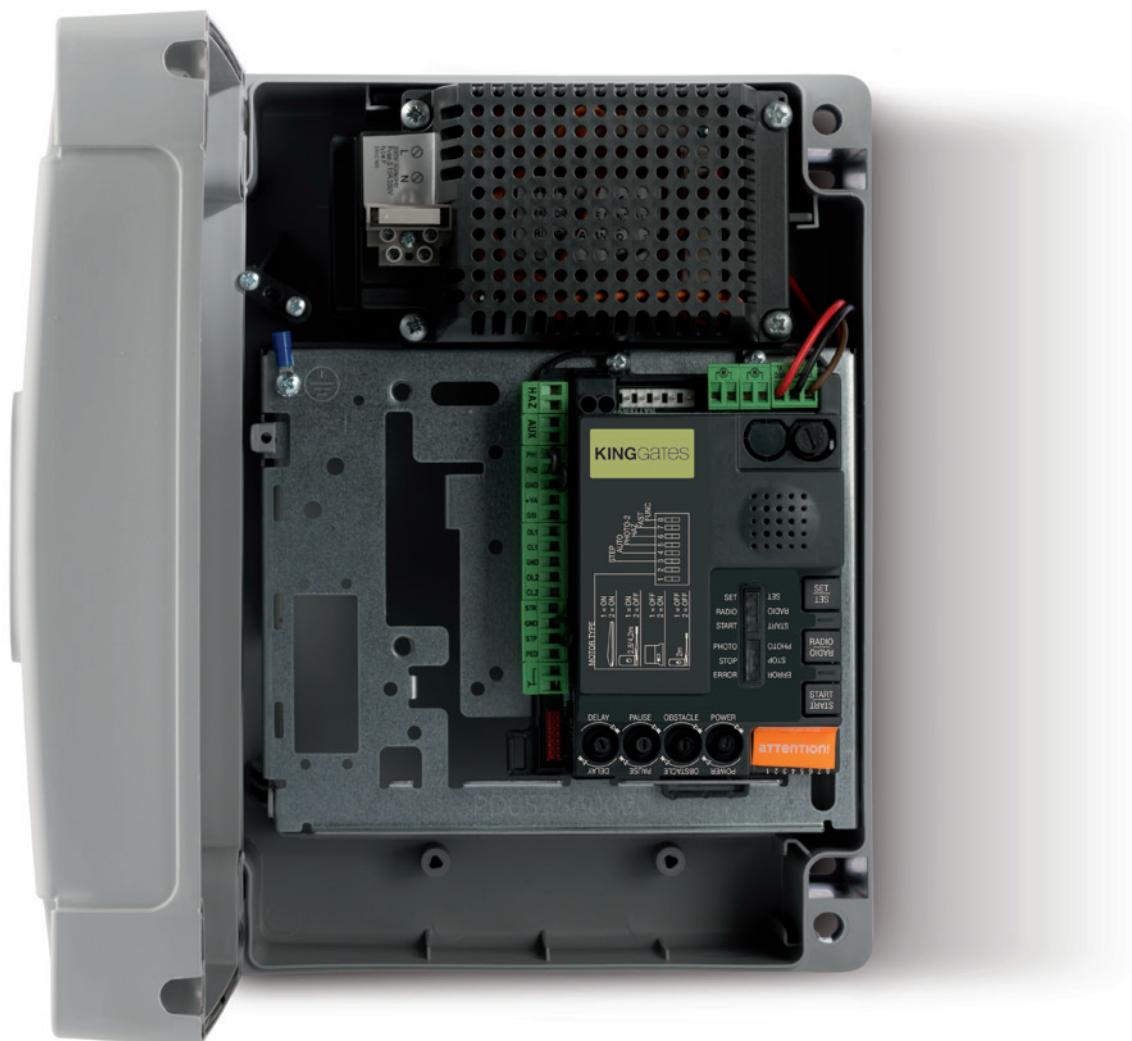KING SPECIALIST

CLAVIS

* only for STARG8 24

24 Vdc and 230 Vac CONTROL UNITS

Model	Code	Description
STARG8 24 BOX	12S046	Control unit for 24 Vdc motors, plastic box and 150 VA transformer included
STARG8 24 BOX XL	12S050	Control unit for 24 Vdc motors, plastic box and 250 VA toroidal transformer included
STARG8 AC BOX	12S054	Control unit for 230 Vac motors, plastic box and 40 VA transformer included

TECHNICAL DATA

Model	STARG8 24 BOX	STARG8 24 BOX XL	STARG8 AC BOX
Code	12S046	12S050	12S054
Mains power supply	230 Vac / 50 Hz*	230 Vac / 50 Hz*	230 Vac* / 50 Hz
Motor supply	24 Vdc (max peak per motor: 280 W)	24 Vdc (max peak per motor: 400 W)	230 Vac (max peak per motor: 400 W and 1,7 A)
Flashing light power supply	24 Vdc (max 15 W)	24 Vdc (max 15 W)	230 Vac (15 W)
Gate status indicator light	24 Vdc (max 10 W)		
Power supply for accessories	24 Vdc (max 10 W)		
Integrated radio receiver	433,92 MHz		
Aerial input	RG58		
Operating temperature	-20 ÷ +50 °C		

* also available in 110 V / 60 Hz version

COMMON ACCESSORIES

ELBOX33 - COD. 1712A4
ABS box with support bracket for electronics

MEMO 2000 - COD. 161103
Radio memory module for 1500 users

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

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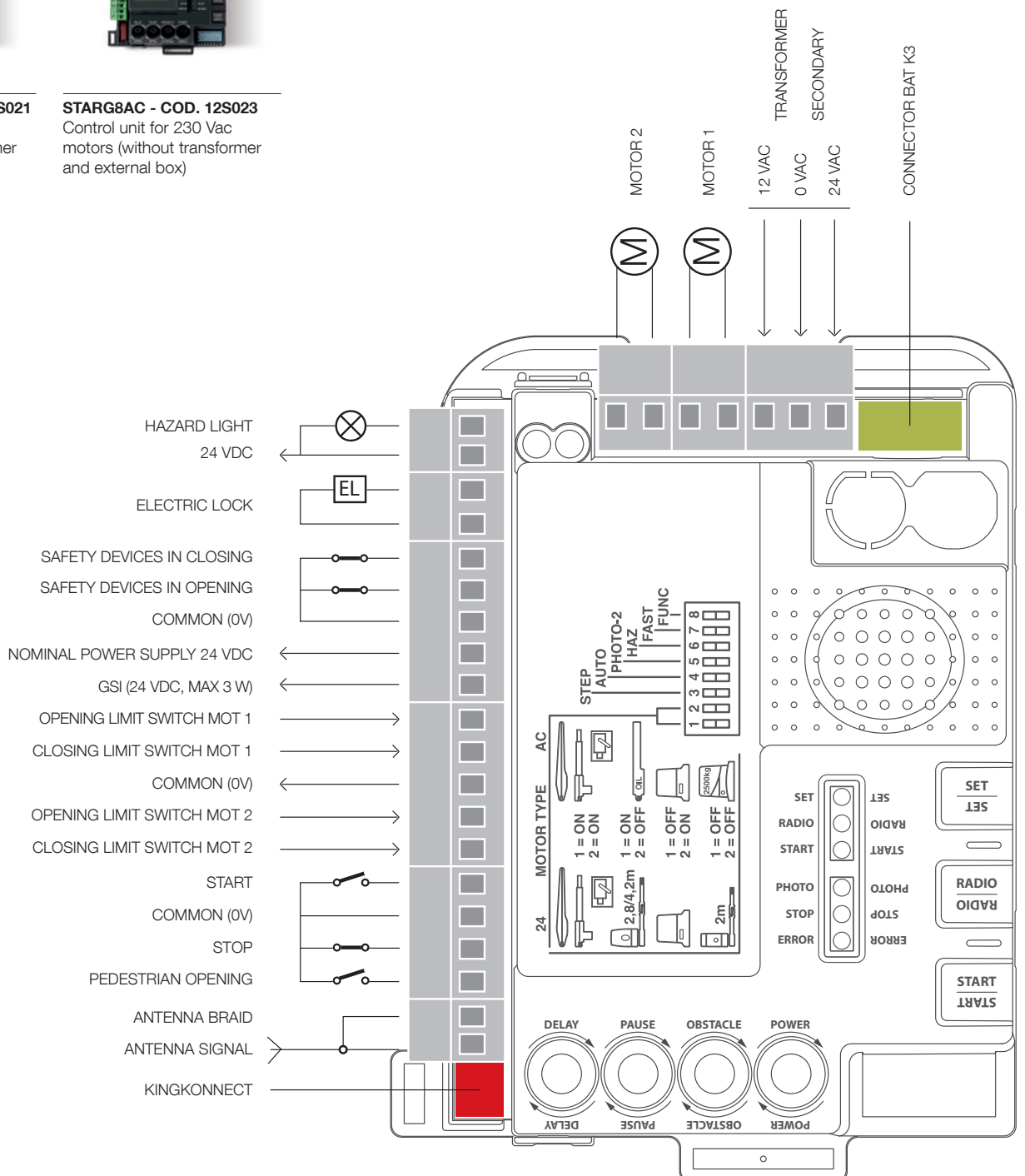WIFI module for managing automations via Smartphone

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

STARG824NG - COD. 12S021
Control unit for 24 Vdc motors (without transformer and external box)

STARG8AC - COD. 12S023
Control unit for 230 Vac motors (without transformer and external box)

MOTOR 2

MOTOR 1

TRANSFORMER
12 VAC
0 VAC
SECONDARY
24 VAC

CONNECTOR BAT K3

HAZARD LIGHT
24 VDC

ELECTRIC LOCK

SAFETY DEVICES IN CLOSING

SAFETY DEVICES IN OPENING

COMMON (0V)

NOMINAL POWER SUPPLY 24 VDC

GSI (24 VDC, MAX 3 W)

OPENING LIMIT SWITCH MOT 1

CLOSING LIMIT SWITCH MOT 1

COMMON (0V)

OPENING LIMIT SWITCH MOT 2

CLOSING LIMIT SWITCH MOT 2

START

COMMON (0V)

STOP

PEDESTRIAN OPENING

ANTENNA BRAID

ANTENNA SIGNAL

KINGKONNECT

STEP
AUTO
PHOTO-2
HAZ
FAST
FUNC

1 2 3 4 5 6 7 8

MOTOR TYPE   AC

1 = ON / 2 = ON
1 = ON / 2 = OFF
1 = OFF / 2 = ON
1 = OFF / 2 = OFF

24   2,8/4,2m   2m

SET
RADIO
START
PHOTO
STOP
ERROR

SET

RADIO

START

DELAY   PAUSE   OBSTACLE   POWER

ACCESSORIES

For STARG8 24

BAT M016 - COD. 161237
24 V 1.6 Ah battery

BAT K3 - COD. 161232
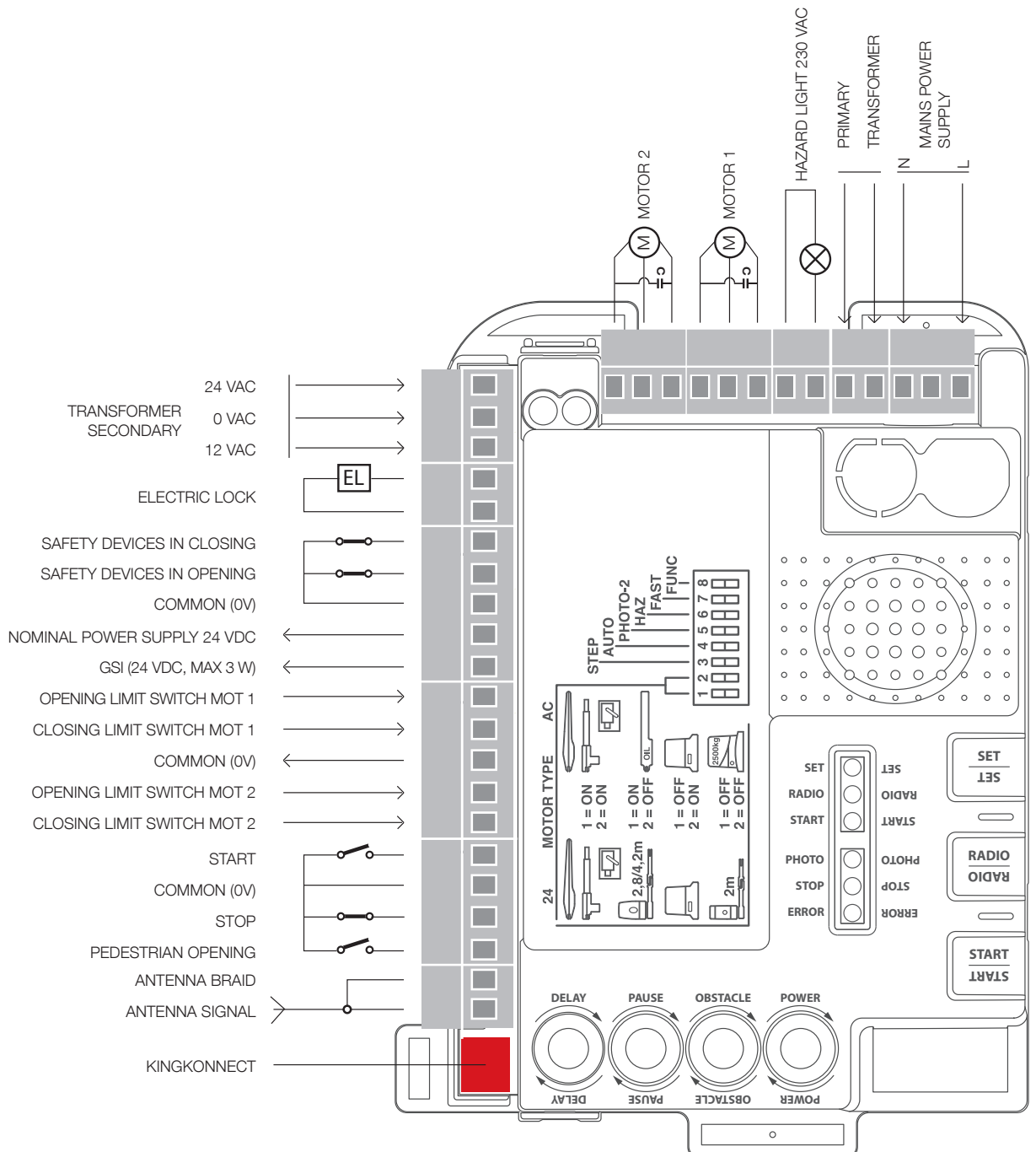Battery charge card
for BAT M016

TR 150-12/24 - COD. TRA060
Transformer 150 VA
for STARG8 24
(not for Minimodus
and Dynamos XL)

For STARG8 AC

TR 40L - COD. TRA064
Lamellar transformer
40 VA for STARG8 AC
for swing gates

TR 250-24 - COD. TRA084
Toroidal transformer 250 VA
for STARG8 24
for Dynamos XL 1800 and
STARG8 24 BOX XL

MOTOR 2
MOTOR 1
HAZARD LIGHT 230 VAC
PRIMARY TRANSFORMER
MAINS POWER SUPPLY
N
L

24 VAC
TRANSFORMER SECONDARY 0 VAC
12 VAC
ELECTRIC LOCK
SAFETY DEVICES IN CLOSING
SAFETY DEVICES IN OPENING
COMMON (0V)
NOMINAL POWER SUPPLY 24 VDC
GSI (24 VDC, MAX 3 W)
OPENING LIMIT SWITCH MOT 1
CLOSING LIMIT SWITCH MOT 1
COMMON (0V)
OPENING LIMIT SWITCH MOT 2
CLOSING LIMIT SWITCH MOT 2
START
COMMON (0V)
STOP
PEDESTRIAN OPENING
ANTENNA BRAID
ANTENNA SIGNAL
KINGKONNECT

STEP AUTO PHOTO-2 HAZ FAST FUNC
1 2 3 4 5 6 7 8
MOTOR TYPE AC
1 = ON 2 = ON
1 = ON 2 = OFF
1 = OFF 2 = ON
1 = OFF 2 = OFF
24 2,8/4,2m 2m

SET
RADIO
START
PHOTO
STOP
ERROR

SET
RADIO
START

DELAY PAUSE OBSTACLE POWER

KINGgates

KING specialist

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).

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