


use and maintenance manual

# ZEBRA

SLIDING GATE OPERATOR



**qui**  **lö**®  
opening solutions

## BEFORE INSTALLATING THE AUTOMATION

Before installing the automation, you must check that:

- The wheels of the gate are attached to make the gate stable and must be in good condition;
- The entire length of the fixed rail must be free of obstacles, straight and clean and have stoppers at the ends;
- The upper guide, must be parallel to the rail and lubricated, and it must allow for a clearance of about 1 mm from the door

Quiko Italy Sas is liable only for products it manufactures and commercializes. Once automated, the gate becomes a machine and is therefore subject to the rules of the "Machinery Directive". It is on the installer to verify its security. **WARNING:** Quiko Italy Sas is not liable for any damages to people, animals or things due to unauthorised modifications, alterations or betterments on its products by third parties.

STANDARD

With mechanical limit switch

**QK-Z600** 230Vac max 600kg  
**QK-Z600B** 24Vdc max 600kg

OPTIONAL VERSIONS

With magnetic limit switch

**QK-Z600M** 230Vac max 600kg  
**QK-Z600BM** 24Vdc max 600kg

Oil bath

**QK-Z600L** 230Vac max 600kg

Oil bath with magnetic limit switch

**QK-Z600ML** 230Vac max 600kg



Mechanical limit switch



Magnetic limit switch



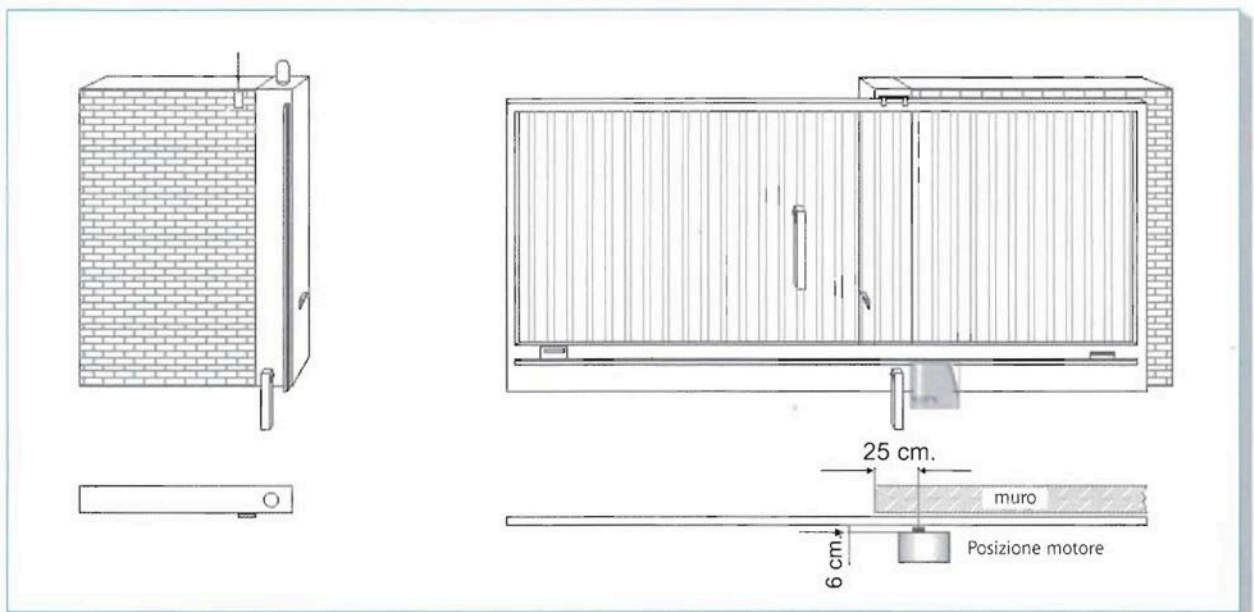
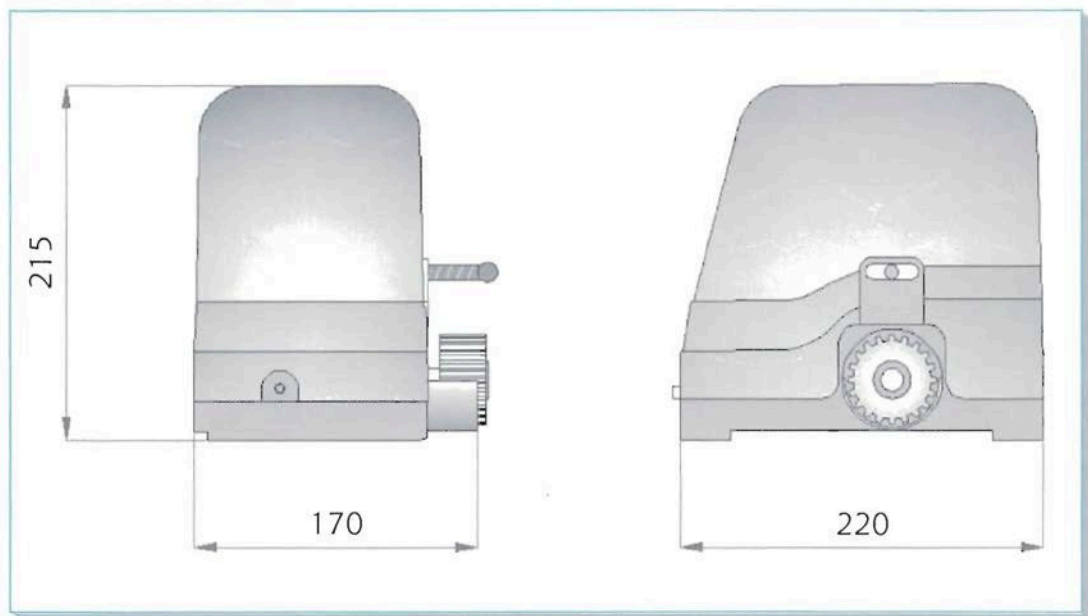
Battery compartment



Key operated manual release system

TECHNICAL FEATURES	QK-Z600	QK-Z600B
Power	230Vac 50 / 60Hz	24Vdc
Current absorbed (motor) (A)	1,2	8
Power absorbed (W)	300	210
Capacitor (µF)	8	-
Protection level (IP)	54	54
Speed (m/min)	10	10
Max. gate weight (kg)	600	600
Working temp. (°C Min/Max)	-30/+70	-30/+70
Thermal protection (°C)	150	-
Insulation class	F	F
Working cycle (%)	50 grease 65 oil bath	100
Weight (kg)	9	9

**Product measures**



## INSTALLATION PROCEDURE

1. Dig a hole in order to insert the main metal plate, as shown in picture 1
2. Create the cavities needed to contain the electrical installation wires
3. Make sure the metal plate and its brackets are perfectly horizontal, keeping at a distance of 6 cm from the inner side of the gate, as shown in pictures 2a-2b-2c
4. Pass the flexible cables through the plate holes, as shown in picture 2

### Positioning the motor

1. Quit the lid from the motor and match the operator buttonholes with the plate holes
2. Tighten the screws with the corresponding washers
3. Make sure the operator is correctly attached tightening its four screws

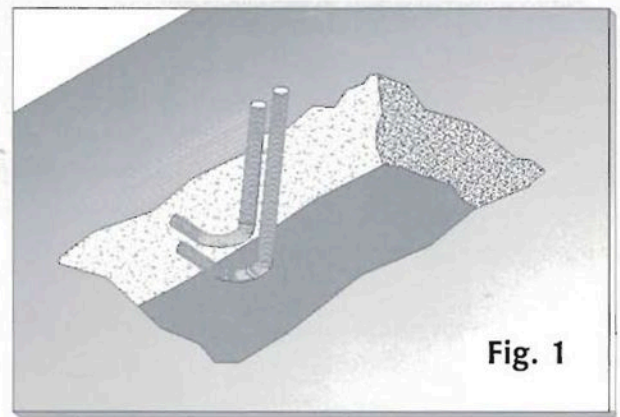


Fig. 1

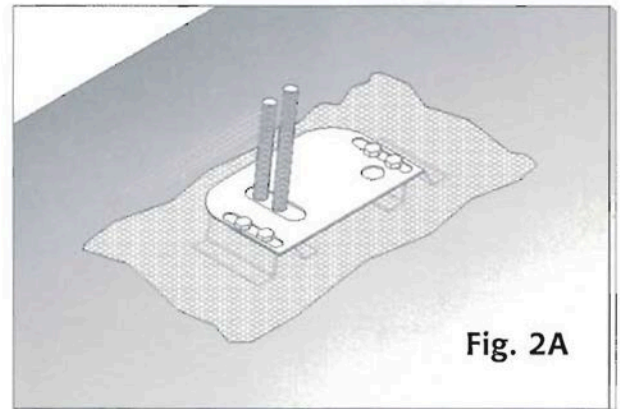


Fig. 2A

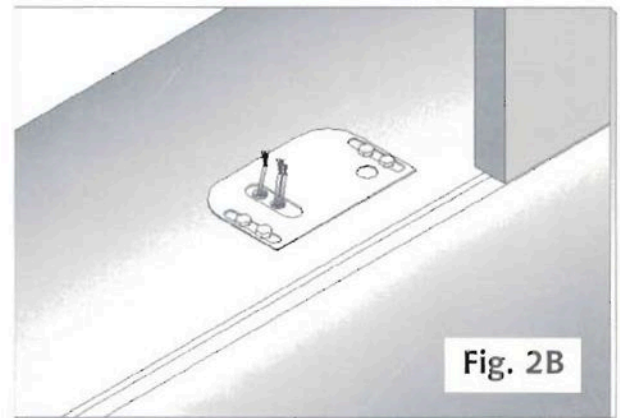


Fig. 2B

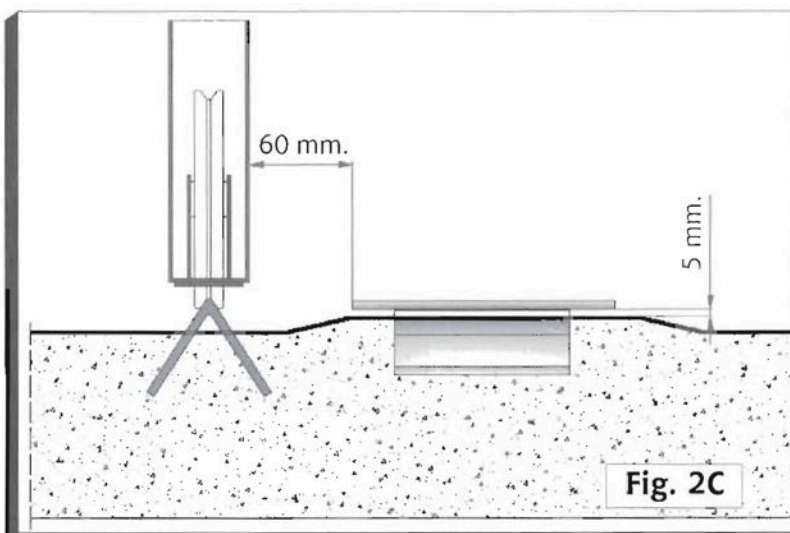


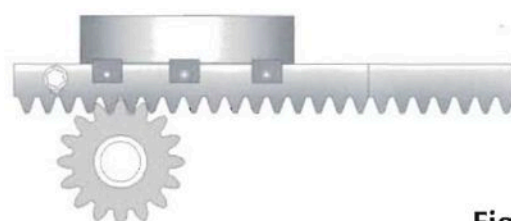
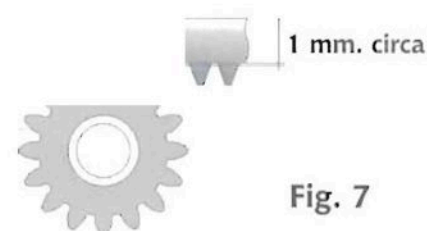
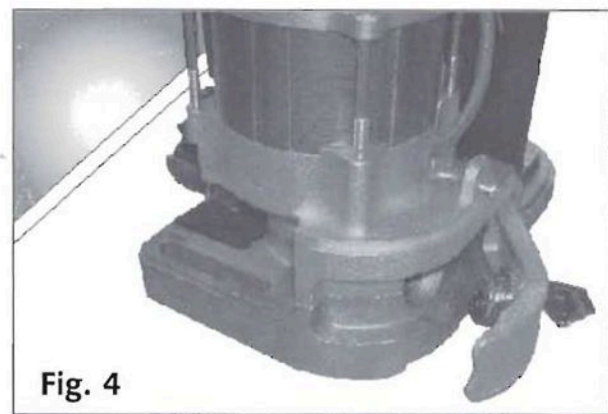
Fig. 2C



Fig. 3

## Mounting the rack

1. Unlock the motor using the lever with the key lock as shown in picture 1
2. Open the gate to its maximum extent
3. Using part of the rack, let the pinion adhere to the rack, then trace connection points according to the position of the holes, as shown in picture 2
4. Move the gate so you can put the first part of the rack
5. Positioning the second part of the rack next to the first, put the two pieces in line with the aid of a third piece of rack matching them upside-down, as shown in picture 3.
6. Go on adopting this procedure till completing the gate movement from opening to closing stage
7. Block the rack to the ground using the screws, paying attention to distance it from the pinion of about 1mm, as shown in picture 4
8. Racks allow perfect matching with their holes either they are made of steel or nylon
9. Move the gate manually in order to check for undesired unusual friction.

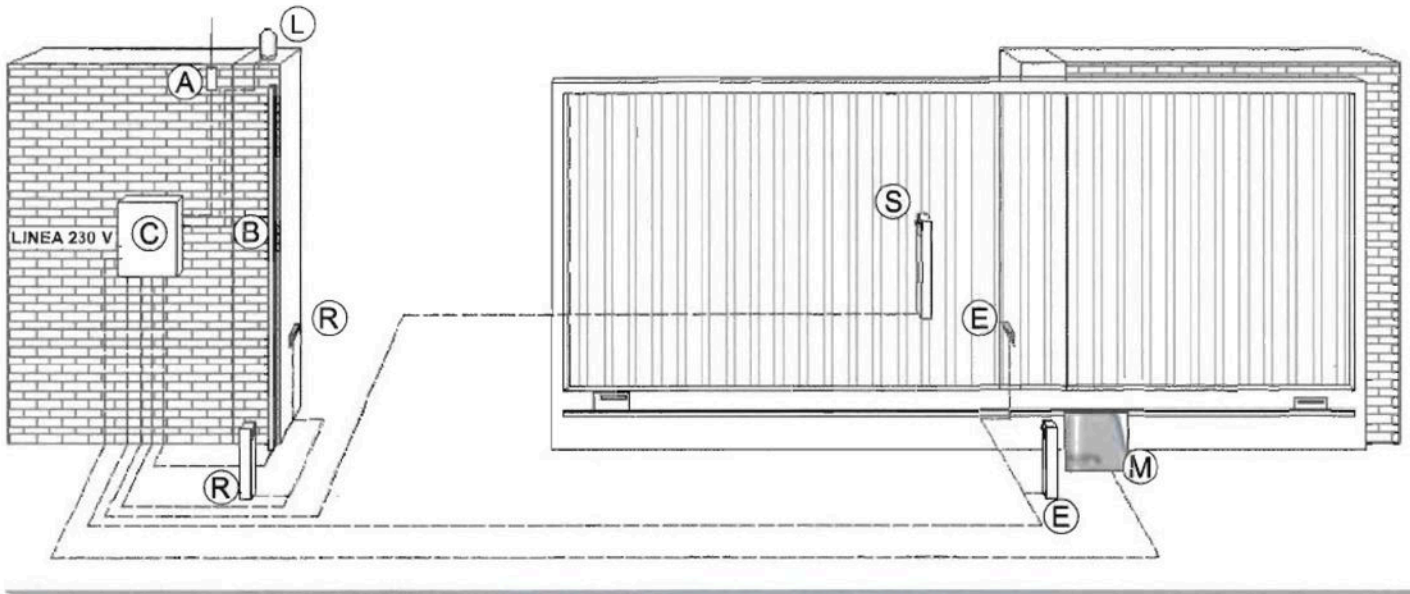


## Electrical installation

Before connecting the operator electrical wires, make sure any part and safety accessories are compatible with the gate you want to automate. List of accessories and connection cables used:

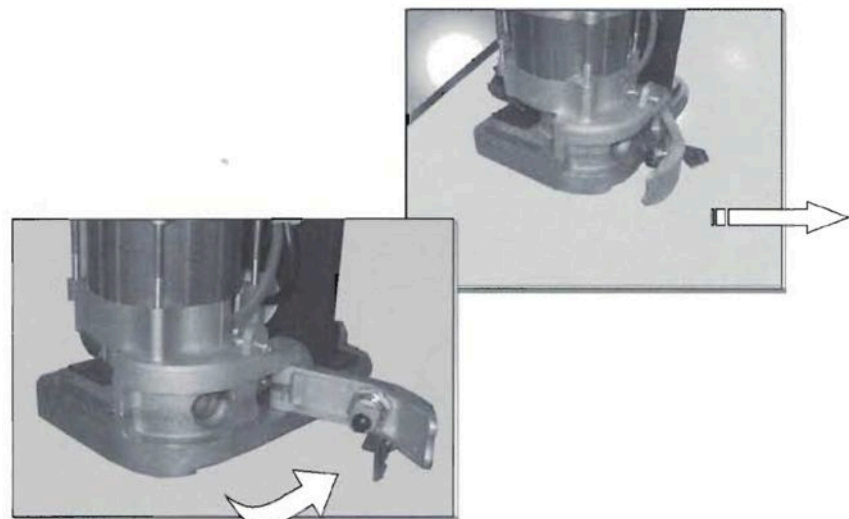
- A - Aerial Insulated coaxial cable type RG58 50  $\Omega$
- B - Mechanical stop 4x1 mm<sup>2</sup> cable
- C - Control board 3x1,5 mm<sup>2</sup> cable
- E - Emitting photocell 2x1 mm<sup>2</sup> cable
- L - Flashing light 2x1 mm<sup>2</sup> cable
- M - 3x2 mm<sup>2</sup> cable
- R - Receiving photocell 4x1 mm<sup>2</sup> cable
- S - Key operated selector switch 3x1 mm<sup>2</sup> cable

Electrical installation is beyond the scope of this manual, however we strongly recommend hiring a professional electrician, use of safety devices in case of short circuit and careful verification grounding has been made.



## How to unlock the operator

In order to move the gate in any direction, it is necessary to unlock the motor using the unlocking lever. Insert and rotate the key included in the package, then pull the lever from left to right till 90 degrees. This way you can manouver the gate by hand. In order to block the motor, it is necessary to cut power supply first, then turn the lever back to its original position.



# DECLARATION OF CONFORMITY

(OF THE MANUFACTURER)

**Manufacturer: Quiko Italy Sas**  
**Via Seccalegno, 19**  
**36040 Sossano (VI) Italy**

hereby declares, under his liability, that the products:

## **Sliding gate operators of the ZEBRA serie**

are in compliance with the essential safety requirements of the regulations:

- Electromagnetic Compatibility Directive .....2004/108/EC
- Low Voltage Directive .....2006/95/EC
- Machinery Directive .....2006/42/EC

and their amendments and modifications, and with the regulations set forth by the National Legislative Body of the country in which the machinery is destined for use.

Sossano, 01/01/2017

Managing Director  
Luca Borinato





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