USER MANUAL

ZEBRA

AUTOMATION FOR SLIDING GATES (230/110/24V)
USER MANUAL

Made In Italy

V05/2016

www.quikoitaly.com

1. GENERAL OUTLINE

Electromechanical operator designed to automate residential-type gates. The operator keeps the gate blocked on closing and on opening, without needing an electric lock. The operator has no mechanical clutch. It must be controlled by an electronic control panel provided with torque setting. The end-of-stroke operation is managed by the control panel.

2. INSTALLATION

Preliminary checks

Check that:

- The gate structure is sufficiently sturdy.
- Also make sure that the actuator pushes against the leaf reinforced section.
- The leaves move manually and without effort all along their stroke.
- The door stop plates are fitted at the end of both closing and opening strokes.
- If the gate has not been recently installed, check the wear condition of all components.
- Repair or replace faulty or worn parts.

Power supply cable

The board power supply cable must be of the H 05 RN-F type or equivalent. The equivalent cable must guarantee:

- permanent outside use
- rated voltage of 24 V / 230 V
- maximum temperature on the cable surface of +50° C
- minimum temperature of -25° C

Moreover, it must have a minimum section of 3 x 1.5 mm2 and, for the cable to hold correctly, it must be provided with an external sheath of Ø = 7.1 to 9.6 mm.

M1= operation 1
M2= operation 2
T= earthing
N = common

WARNING! When the power supply cable is damaged, it must be replaced by the manufacturer or its technical assistance service, or else by a person having similar qualification, in order to prevent any risk.

External measures

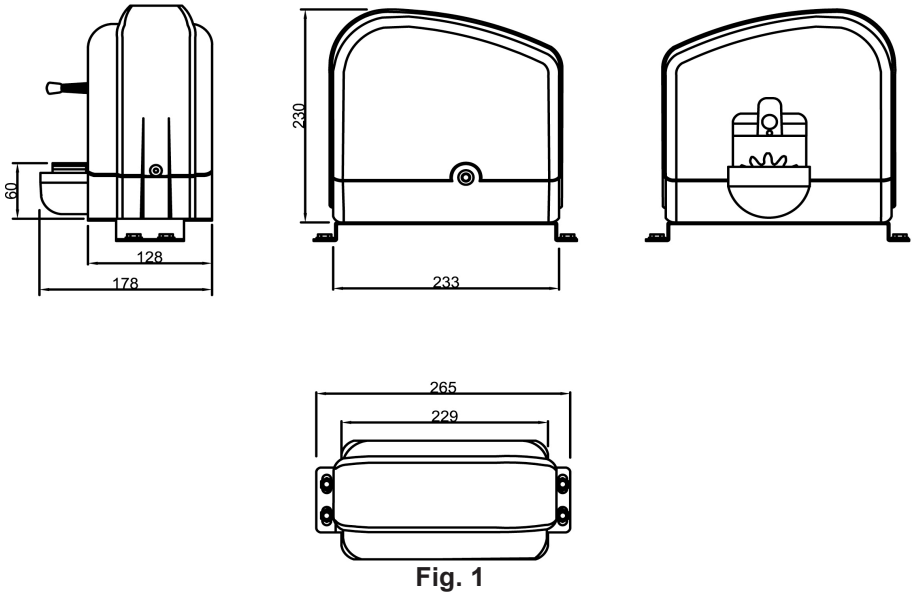
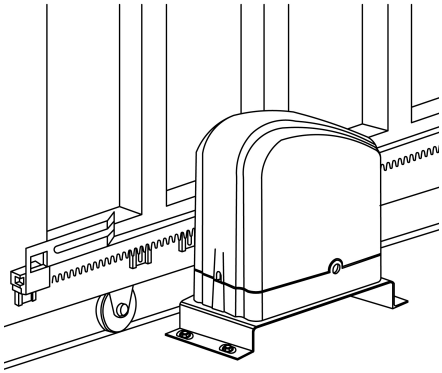


Fig. 1



3. POSITIONING FOR BASE PLATE

Prepare the sub structure in order to fix base plate, respecting approximately measures like Fig. 1

Fig. 2

4. POSITIONING OF GEAR MOTOR

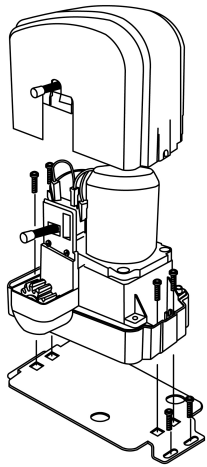


Fig. 3

Position the gear motors (Fig. 3) on the great plate, using the appropriate screws supplied.
The right coupling between rack and pinion may be carried out by fixing the small plates to the great plate, through the eyelets associated.
Unlock the gear motors, through appropriate release lever (Fig. 4).

5. MANUAL OPENING

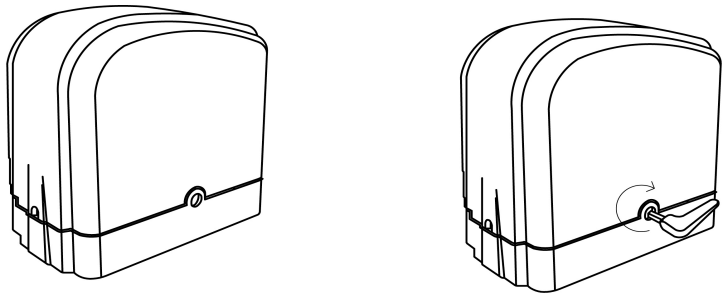
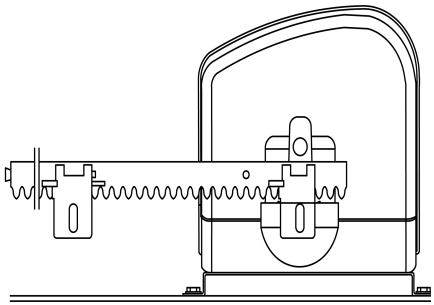


Fig. 4

In case of a power blackout it is possible to operate the gate in manual mode, as shown in Fig. 4.
To unlock the engine insert the key into the seat and rotate clockwise until it stops (about 5 laps). To restore the engine block, rotate the key counterclockwise to its initial position.

6. FIXING RACK AND END-RUN DEVICE



Position the first element of rack on the cogwheel, previously unlocked, as in Fig. 5. Fix the element to the gate, in the way you wish, by applying to it the other elements of rack necessary, ensure that all be united and aligned. Locate the desired position and fix end-run device (F) on rack as indicated in the previous Fig. 2, those with grains included. Close the release lever and perform the necessary electrical connections.

Fig. 5

7. CHECKING THE AUTOMATION

Before considering the automation completely operational, the following checks must be made with great care:

- Check that all the components are firmly anchored.
- Control all the safeties work properly (i.e. photocells, pneumatic skirt, etc.).
- Check the emergency maneuvers control.
- Check the opening and closing maneuvers using the controls.
- Check the control unit electronic logic in normal (or customized) operation.

8. THE CONTROLS

Any malfunction should be corrected immediately by a qualified specialist.
Keep children at a safe distance from the field of action of the automation.
With the automation the gate has a power driven opening and closing. The controls can come in various forms (i.e. manual, remote controlled, limited access by magnetic badge, etc.) depending on needs and installation characteristics. For details on the various command systems, consult the specific instruction booklets.

9. MAINTENANCE

When carrying out maintenance operation on the controller, disconnect it from the mains power supply. The actuator does not require periodical maintenance operations.

- Check the safety devices of the gate and automation.
- Periodically check the pushing force and correct the value of the electric torque in the control board if necessary.
- In case of unsolved operation failures, disconnect the unit from the main power supply and ask for the intervention of qualified personnel (installer).

When the unit is out of order, activate the manual release to perform manual opening and closing maneuvers.

Anyone using the automation must be instructed in its operation and controls.

10. TECHNICAL FEATURES

		QK-Z600	QK-Z300B	QK-Z600B
Power	(50/60Hz)	230Vac	24Vdc	24Vdc
Power / Current Absorbed		220W 1,1A	100W 4A	210W 8A
Max gate weight	(kg)	600	300	600
Speed	(m/min)	12	12	12
Protection rate	(IP)	54	54	54
Thermal protection	(°C)	140	-	-
Working temp.	(°C)	-30/+70	-30/+70	-30/+70
Working Cycle	(%)	60	100	100
Weight	(Kg)	9	8	9

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, 01/09/2014

Managing Director
Luca Borinato

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