

Carpark Barrier - Electric Fully Automatic

BIONIK8, EQUAL ONLY TO ITSELF

1 Digital 36V BRUSHLESS motor
Innovative, revolutionary 36V brushless digital motor with permanent magnetic field and a SENSORED digital technology encoder that permits unlimited use of the barrier with extremely reduced consumption and a mechanical absolute positioning system.

3 Gear motor with perfect gears
A variable mechanical "gem", the gear motor is made entirely of aluminium, steel and bronze. All gears are helicoidal with a 15° tilt, assembled on top quality bearings and inserted in perfectly machined seats to guarantee absolute precision of the gear axes. The take-off of the connecting shaft to the boom is of 55 mm.

2 Advanced digital controller
Easy to access, thanks to its position in the upper part of the barrier, well protected in the basket containing all the electronics, transformer compartment and support batteries. The digital controller ensures total, accurate management.

4 Highly resistant structure
The materials employed - steel and bronze - are top quality to ensure optimum robustness for the automation, making it highly stable during use. A vital role is also played by the surface treatment and the types of varnish, designed to make the barrier structure particularly resistant to a wide range of atmospheric agents.

5 Sturdy boom support flange
Extended cone double flange in die-cast aluminium for support and protection, directly connected to the reducer gear for a sturdy and safe mechanical movement of the boom.

6 LED lighting
Elegant LED lighting circuit all over the aluminium head of the barrier column. Can be configured via the control unit.

7 Absolute mechanical positioner
Powerful, innovative and accurate encoder with absolute positioning, mounted on the slow reducer shaft. Allows movements to be managed in tenths of a degree, and ensures perfect automation restart without releasing after the blackout or manual release phases.

8 Robust, elliptic boom
Elliptical section 4,100 mm aluminium Double Boom, wind resistant, with 2 strengthening telescopic inserts to fasten the boom to the flange and to connect the 2 booms through a dedicated aluminium double joint. Integrated signalization LED on the upper side, configurable from the control unit.

9 Robust, innovative release
Manual mechanical release by key, with European cylinder cable to release the boom for any requirement and in any situation, thanks to its excellent mechanical features.

10 New double spring linkage lever
Innovative linkage lever with toothed insert, which guarantees a correct, double and millimetric adjustment of the balancing of the 2 x 85 mm diameter springs. Hooking of the double spring to the linkage lever with roller bearing for a better distribution of the boom load points, weights and stresses.

11 Telescopic reinforced supports
Two telescopic reinforced supports inside the boom, one for fastening to the support flange and the other for the joint between the two booms, 4,100 mm long, making the boom sturdy and safe.

BRUSHLESS BECAUSE

Sturdy and elegant, to manage accesses to commercial premises, industrial sites and large logistics areas.

The Bionik is the entry barrier model from Roger Technology with digital processing due to its Brushless motor 36V with the permanent magnetic field. The Bionik support and protection arm is made from die-cast aluminium, directly connected to the reducer via a special system for pre-reducing the mechanical stress of the mechanical boom movement and is continually monitored in all positions with its absolute encoder.

The revolutionary three-phase Brushless motor allows unlimited use of the barrier and has ultra-low power consumption. The gear motor is a mechanical jewel made entirely of aluminium, steel and bronze. All the helical gears are cut with a 15° tilt, assembled on top quality bearings and inserted in perfectly machined seats to guarantee the absolute precision of the gear axes.

The barrier kit contains the barrier box/motor, spring, receiver, two remotes and a set of photocells, the boom/arm comes separately. As always an arsenal of accessories from lighting kits, skirts and supports.



Compliance to The Machinery Directive
Fully Safety Installed
Dual High Photocells
Gate Safe





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Installation

Installation, set up and commissioning included

Groundworks

We will dig out the road for cable ducting between the barrier and catcher post, and and foundation works.

Cable

All ducting and accessories cable included.

Foundations in Concrete

We will dig out and install all required concrete bases for the main support and catcher post.

Barrier Kit

We have included for all required parts for including the barrier, fixings, lights and boom.

Safety

We will install photocells & safety sensors to prevent the barrier hitting any vehicle

Warranty

All installation come with a fully inclusive 12 months warranty and first service.

Maintenance

All traffic barriers require a minimum of a 12 monthly maintenance depending on cycle usage.

All installations subject to our Terms and Conditions

