

# rainbow

ELECTROMECHANICAL BARRIER

Newest and innovative barrier



**GENIUS®**  
GATE AUTOMATION

# rainbow



Genius introduces the new family of low tension barriers RAINBOW, the ideal solution for **high traffic areas** or where the barrier operates continuously at certain times of day: parking lots, garage entrances or industrial zones. RAINBOW was designed with a particular attention to **security** and the **versatility of use**, to ergonomics of the shapes and the design, to the strength of the arm and to the quality of the materials of the load-bearing structure. In the Genius barrier a **state of the art electronic heart** "pulses" with power switching, for the ideal management of the motion of the barrier. The presence of a standard encoder allows the detection of an obstacle during movement. **RAINBOW barriers, technology at the service of security.**



### DIMENSIONS

RAINBOW 524 C



RAINBOW 724 C





# Details that make the difference.

RAINBOW is a convenient union of technological innovations.

## Safety Switch

Opening the mechanical access door, a safety switch prevents any command from the control board.

## Control board access

The convenient housing allows the installer to perform cabling operations in an upright position as well as working with rain or snow, just rotating the box 90°.

## Beam

The length of the Beams varies from 3 up to 7 meters. The oval profile ensure high resistance to strong gusts of wind.

## External release

Simple external release with personalised key.

## Lights on the cover and arm

The blinking lighted cords make the cover and arms visible, especially at night.

## Adjustment springs

Only two typology of springs (Soft and Strong, depending on the version of the barrier), mounted individually or double are sufficient to balance the various beams lengths.

# TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS	RAINBOW 524 C	RAINBOW 724 C
Power supply voltage	230Vac 50Hz / 115Vac 60Hz	
Motor supply voltage (Vdc)	24	
Max. power at thrust (W)	280	480
Motor rated power (W)	160	220
Max. torque at 24Vdc (Nm)	140	370
Operating rated torque (Nm)	75	140
Opening / closing nominal time (sec) <sup>1</sup>	4 to 8	7 to 11
Beam max. length (m) <sup>2</sup>	5	7
Type and use frequency at 20°C	Semi - intensive	
Daily max. cycles (cycles)	1000	500
Operating ambient temperature (°C)	-20 +55	
Noise (dBA)	<70	
Protection class	IP 54	
Operator weight (Kg)	66	72
Operator dimensions (mm)	415 x 250x 1225	470 x 270 x 1225

(1) Time depending on the type of slowdown programmed.

(2) Length referring to the light of the passage, arm length about +400mm.

TECHNICAL SPECIFICATIONS	LYNX 07 24V/SW	LYNX 08 24V/SW
Power supply voltage and frequency	230 Vac 50 Hz / 115 Vac 60 Hz	
Absorbed power (W)	5	
Max. power at thrust (W)	280	480
Max. Accessories load (mA)	500	
Operating ambient temperature (°C)	-20 +55	
Protective fuses	2 fuses, replaceable + 4 fuses, auto-restore	
Function logics	Automatic (A) / Step-by-step automatic (AP) / Manual (E) / Step-by-step manual (EP) / Condominium (D)	
Opening/Closing max. time (sec)	60	
Pause time	Adjustable on 7 levels of 5 seconds up to 4 minutes	
Encoder sensitivity	Adjustable on four levels	
Terminal board inputs	Power supply (230/115 Vac) / Opening and Closing limit-switches/ Photocells / Stop/ Open-Close / Open / Close / Failsafe / Battery	
Quick-fit connector	Encoder / Radiofrequency module RQFZ Genius 3PIN	
Terminal board outputs	Motor power supply 24Vdc / Flashing lamp 24Vdc / Indicator light 24Vdc max. 5W / Rod lights 24Vdc / Power supply to accessories / Battery charger	
Control board dimensions (mm)	168 x 146	168 x 176

Model	Version
RAINBOW 524 C	Irreversible with encoder and integrated LYNX 07 24V/SW control board for up to 5 m. beam
RAINBOW 724 C	Irreversible with encoder and integrated LYNX 08 24V/SW control board for up to 7 m. beam



# ACCESSORIES



## Foundation plate

Foundation plate with accessories for RAINBOW 524 and 724.



## Beams for Rainbow 524 C\*

- 3 m. Beam intended as passage length (effective length 3.30 m.)
- 4 m. Beam (effective length 4.30 m.)
- 5 m. Beam (effective length 5.30 m.)
- Articulated Beam up to 4 m.



## Beams for Rainbow 724 C\*

- 5 m. Beam intended as passage length (effective length 5.30 m.)
- 7 m. Beam in sections (effective length 7.30 m.)



## Rainbow Springs

Two types of spring per model (Soft and Strong) to mount individually or double depending on the length of the beam.



## APF

Fixed APF support for Rainbow.



## APF fond

Foundation plate for fixed support.



## Height adjustment kit

Height adjustment kit in conjunction with APF. (Required for Rainbow).



## Beam mobile support kit.

Beam mobile support kit.

## Skirt kit

2 m length skirt kit in painted aluminium



## Barrier lights kit

Lights kit applicable on both sides of the barrier casing.



## Beam lights kit

Cable kit for arm lights [for lighted cords connection to the arm.]



## Lighted cord kit

Lighted cord to be used in conjunction with the Arm lights kit.



## Photocell support kit

ORION support kit for mounting photocells under the arm.



## Battery cable kit

Cable kit to connect batteries.



## Radiofrequency module

Radiofrequency module RQFZ with 3pin Molex connection for GENIUS control board.



\*Retro-reflecting stickers for the beams are provided in a separate kit.