

REXON ERA

FULL-HEIGHT TURNSTILE FOR
INDOOR AND OUTDOOR APPLICATIONS



cominfo

By **GUNNEBO** Entrance Control

REXON ERA SERIES

Hand-operated motorised and electromechanical versions are available, silent and smooth rotation

Highly reliable proven design with the ability to prioritise security for user comfort. Aesthetic and robust design available with three (120°) or four (90°) rotor elements, delivered in a kit form. The range includes both the frame and the full side frame versions in galvanised, powder coated or stainless steel finish.

Applications include Petrochemical, Construction Sites, Stadia, Ports & Harbours, Government Buildings and Embassies.

BIKE VERSION

Rexon Bike Version is configured for secure pedestrian access with an integrated bicycle gate for added versatility.

Built with the same heavy duty construction as the Rexon it includes a low maintenance motor drive and an anti corrosive finish, it is designed to withstand harsh outdoor environments, particularly at perimeter locations where bicycle access is essential.

At the same time, its sleek design and reliable operation make it equally suitable for indoor applications.



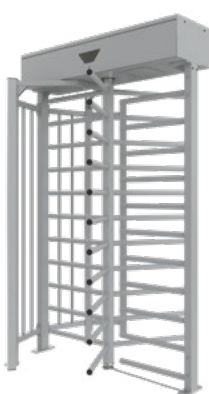
REXON ERA 4



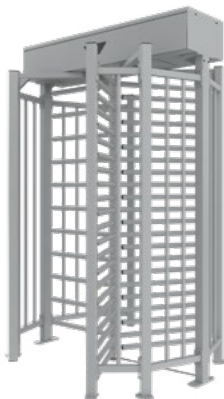
REXON ERA 4 FULL



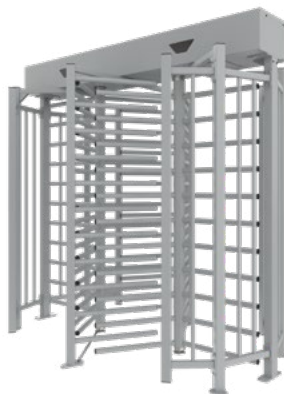
REXON ERA 4 DUO



REXON ERA 3



REXON ERA 3 FULL



REXON ERA 3 DUO



REXON ERA 3 GATE-BIKE

Finishes:

REXON ERA 4 range are shown in stainless steel finish.

REXON ERA 3 range are shown in powder coated finish.

SECURITY FEATURES

Fraud Detection through sophisticated and proven algorithm

ITC (option)

Anti-crawling barrier

Anti-pass back barrier

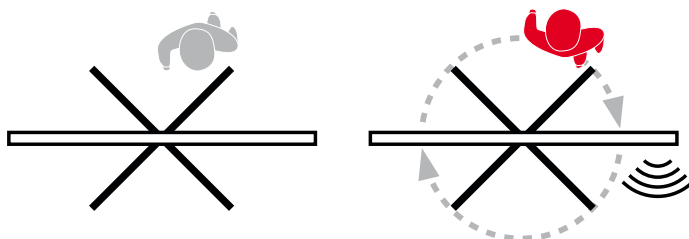
Anti-reverse rotation during transit

Self-centring to reset position

Action lock preventing two passages at one time

Improper Transit Control = ITC (optional)

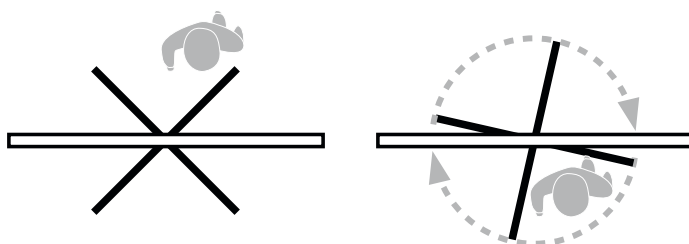
Improper Transit Control is used to ensure that the user passes through the Rexon after they have validated. The Rexon will raise an alarm when an authorisation is received, the rotor is rotated, but there is no passage performed.



MODE OF OPERATION

Passage in one or both directions electronically controlled

On receiving a signal from the access control system or remote control, the mechanism unlocks and the arms can be pushed to pass through the gate in the authorised direction. It prevents two passages at one time, and if an unauthorised person attempts to enter from the opposite direction, the in-built locking mechanism stops any attempt to reverse the rotation.



SAFETY FEATURES

Manually operated arms, motorised version also available

Anti-heel safety rubber

Logic voltage logic

Voltage free contact input for Fire Alarm fail state

Anti-pinching design construction

Fail-Safe (default) i.e. rotor freely rotates in power off scenario

(Fail-Lock available on request)

For security and safety reasons children must be supervised by an adult at all times in the vicinity of an active lane. Any child being escorted through the lane must always precede the accompanying adult during passage.

TECHNICAL SPECIFICATION

OPTIONS & ACCESSORIES

Alternative finishes and materials
Card reader integration
Damped head mechanism (electromechanical only)
Improper transit control (ITC)
Canopy (aluminium frame)
Canopy Drainage System
Ceiling Light
Lane Light
Access Light
Base Plate

FINISHES

Standard finishes

ROTOR	Galvanised Steel
CASEWORK	Galvanised Steel
TOP CHANNEL	Galvanised Steel, Powder coated RAL 7040

Optional Upgrades

ROTOR	Galvanised Steel, Powder coated RAL 7040, Stainless Steel 304 or 316
CASEWORK	Galvanised Steel, Powder coated RAL 7040, Stainless Steel 304 or 316
TOP CHANNEL	Stainless Steel 304 or 316

Alternative colours available for powder coated finish upon request.

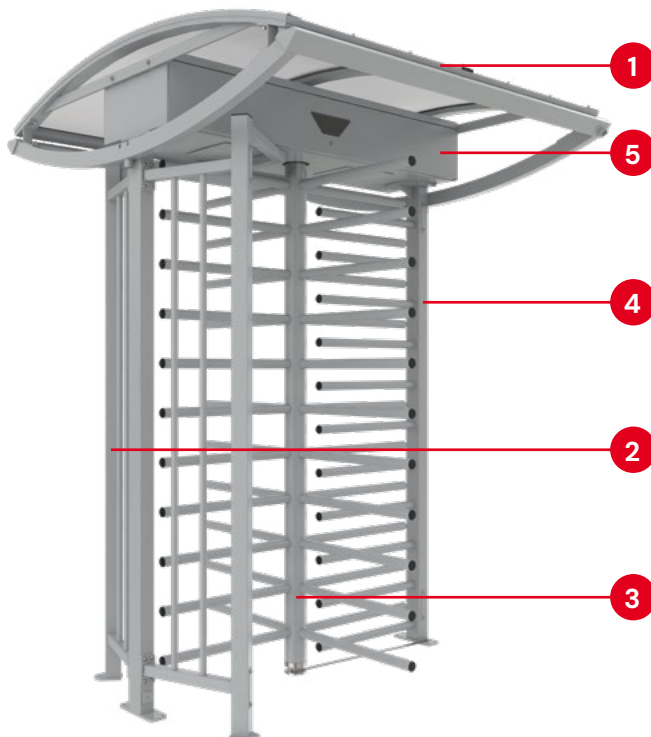
DESIGN / CONSTRUCTION

Available versions are the simple side frame, and the full side frame construction. Available as: 120° or 90°

Double Interlocking rotor: 120° or 90°

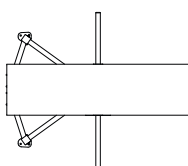
Main uprights: 60 × 60 mm box section allowing easy surface mounting of readers. The interlocking version provides a compact two-lane layout. 120 rotor passage way 692 mm (ready opening min. 761) and 90 rotor passage 692 mm (ready opening min. 547). Passage height 2100 mm.

In order to create a lane it is necessary to use one unit. Additional lanes are obtained by using more lanes next to each other. Two lanes are built-in for the Interlocking version for a reduced footprint.

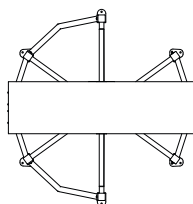


1. Canopy (option)
2. Passage way side frame
3. Rotor column with horizontal arms
4. Stator r frame
5. Roof housing head mechanism and logic

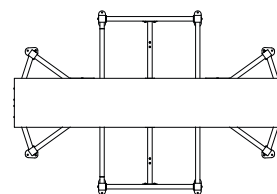
TECHNICAL SPECIFICATION



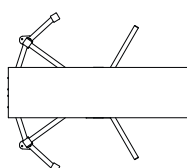
REXON ERA 4



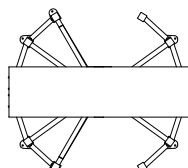
REXON ERA 4 FULL



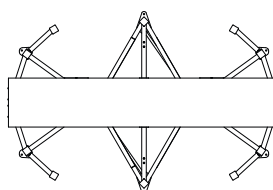
REXON ERA 4 DUO



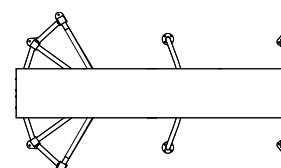
REXON ERA 3



REXON ERA 3 FULL



REXON ERA 3 DUO



REXON ERA 3 GATE-BIKE

ACCESS SPECIFICATIONS

Flow rates by type of reader¹

INSERTION TYPE	12 passages per minute
SWIPE TYPE	15 passages per minute
PROXIMITY TYPE	17 passages per minute

¹ Approximate figures

Emergency egress functionality implemented as standard

Free rotation on fire alarm signal. In a power off scenario, not available if requested as Fail-Lock.

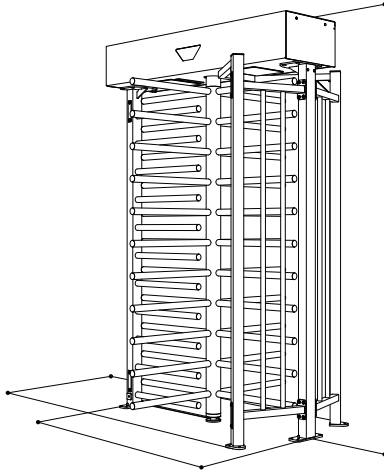
ELECTRICAL DATA AND CONDITIONS OF USE

POWER SUPPLY	110 – 230 VAC 50/60Hz
POWER RATING ¹	50 VA
POWER RATING ¹	50+50 VA Double Interlocking
BATTERY BACK-UP	N/A
FIRE SIGNAL	Input for voltage free contact
OPERATING TEMPERATURE	-5 °C to +50 °C RH 95 % No condensing
IP RATING	IP44
NOISE LEVEL	Less than 55 dB ²

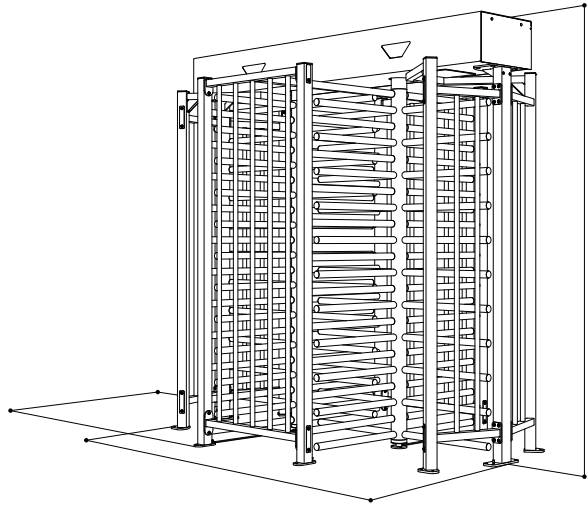
¹ Additional 40 VA per lane with optional down lights

² Note: Average background noise in office environment is 50–55 dB

SITE PREPARATION



REXON ERA 4



REXON ERA 4 DUO

DIMENSIONS AND WEIGHT

	PASSAGE HEIGHT	PASSAGE WIDTH	A CABINET HEIGHT ¹	B CABINET LENGTH ²	C CABINET WIDTH ³	WEIGHT ⁴
REXON ERA 3	2100	639	2360	1540	1365	247
REXON ERA 4	2100	546	2360	1540	1300	237
REXON ERA 3 FULL	2100	662	2360	1540	1365	316
REXON ERA 4 FULL	2100	536	2360	1540	1540	327
REXON ERA 3 DUO	2100	2 × 662	2360	2380	1365	478
REXON ERA 4 DUO	2100	2 × 536	2360	2380	1540	512
BIKE	2100	639, 690	2360	2380	1540	267

^{1,2,3} Dimensions in mm | ⁴ Weight in kg | May require lifting equipment. For details refer to installation detail drawings.

¹ 2470 mm with Canopy Option | ² 1910 mm with Canopy Option | ³ 1640 mm for and 2480 mm for double with Canopy Option

INSTALLATION & MAINTENANCE

PRODUCT DELIVERY	Kit form
APPLICATION	Outdoor
SITE PREPARATION¹	Flat & Level finished floor ± 5 mm
CABLING & CONDUITS²	Through the ground
CONTROL BOARD LOCATION	In the roof
SYSTEMS INTEGRATION⁵	Digital interface I/O RS485
SYSTEMS INTEGRATION⁵	Settings programmable via parameters
MAINTENANCE ACCESS	Through the roof accessible from the passage way
MTTR³	Less than 30 minutes
MCBF⁴	5 million

It is the customer's responsibility to ensure the structural integrity and strength of the installation location.

Data provided is for information only, please refer to your usual COMINFO contact in order to prepare the installation site.

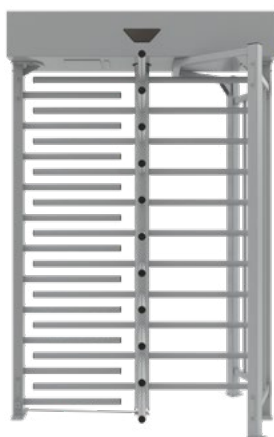
¹ Bolting depth MIN 100 mm, concrete MIN fck, cube 30N/mm² resistance, MIN 1800 × 1800 (2400 for interlocking) × 150 mm deep

² Running MIN 140 mm below finished floor level, should rise MIN 50 mm from foundation

³ Mean time To Repair

⁴ Mean Cycle between failure

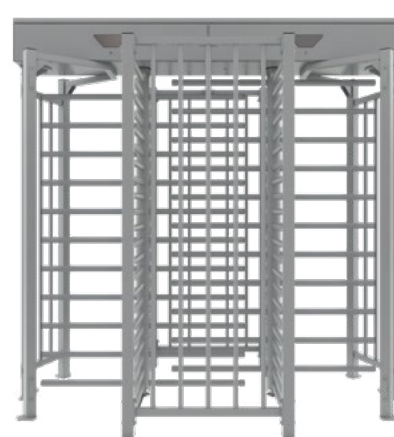
⁵ Mean time To Repair



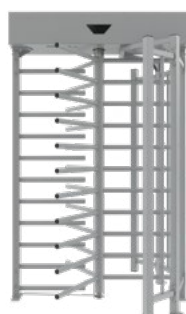
REXON ERA 4



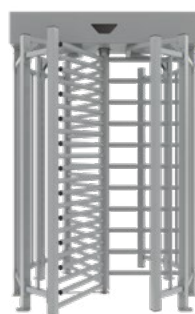
REXON ERA 4 FULL



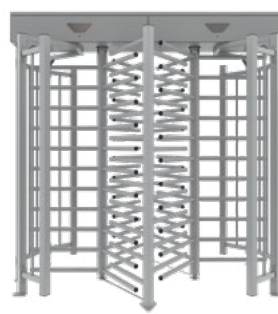
REXON ERA 4 DUO



REXON ERA 3



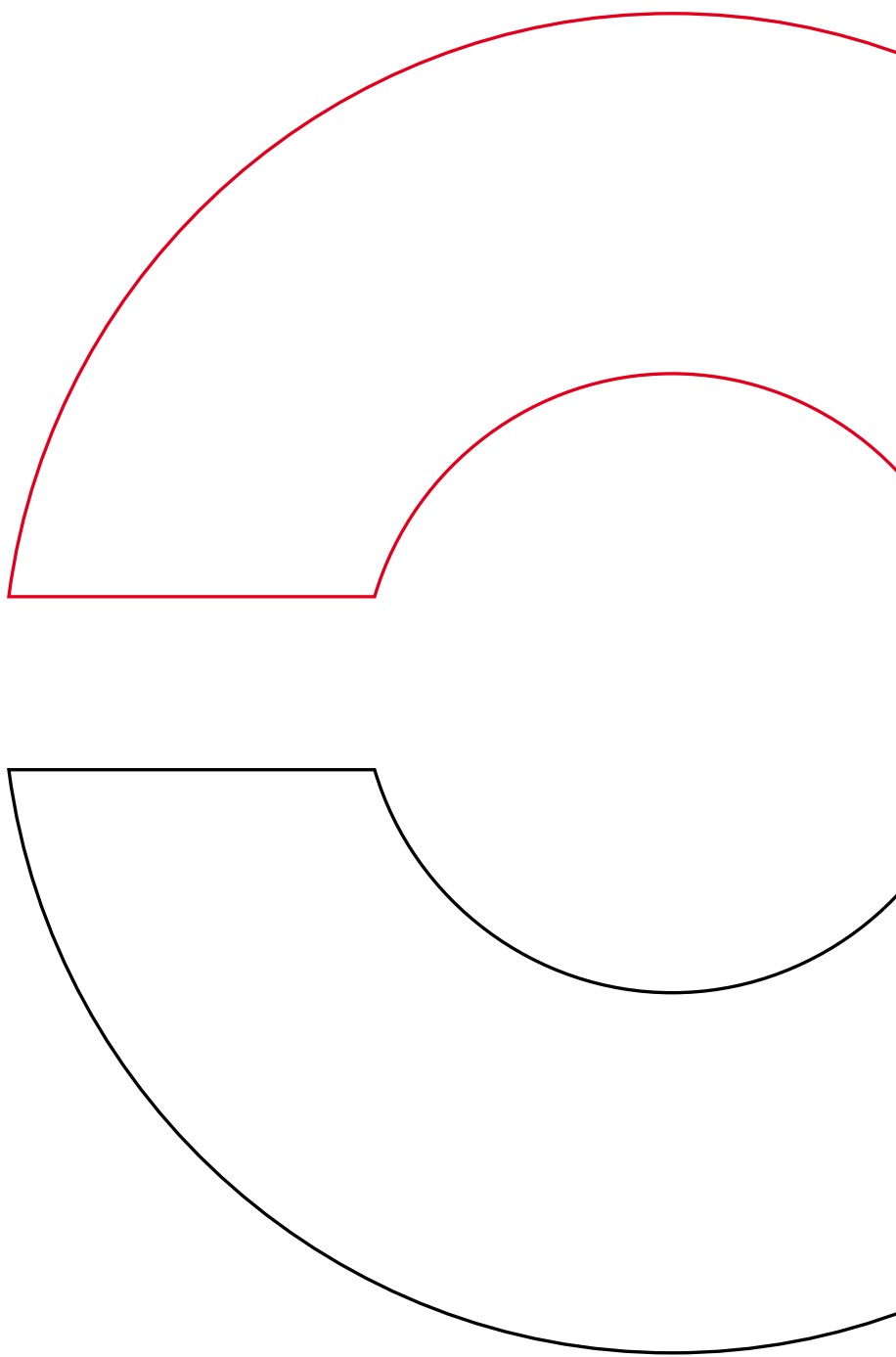
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REXON ERA 3 DUO



REXON ERA 3 GATE-BIKE



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