

# PRESIDENT RAPID NORMAL INDUSTRIAL

AUTOMATIC BARRIERS FROM 3 TO 12 METERS



PRESIDENT



RAPID



NORMAL



INDUSTRIAL



AUTOMATISMI PER CANCELLI  
AUTOMATIC ENTRY SYSTEMS



## THE REVOLUTION OF BARRIER CONCEPT

PRESIDENT is a patented product that revolutionizes the concept of automatic barrier. It is provided with a standard magnetic ENCODER that thanks to an in built electronic control board PARK 24V, allows the detection of any obstacle that may hit the boom as it moves. The PRESIDENT kit includes a 3 or 4 m long telescopic boom and a ground-embedded base plate.



## QUICK INSTALLATION / REDUCED MAINTENANCE

PRESIDENT is fitted with a new type of torsion springs featuring more than 400.000 operating cycles without the need for a periodic balancing check. On the barrier PRESIDENT the end switches are replaced by an ENCODER device needless of any regulation.



## OBSTACLE DETECTION SYSTEM

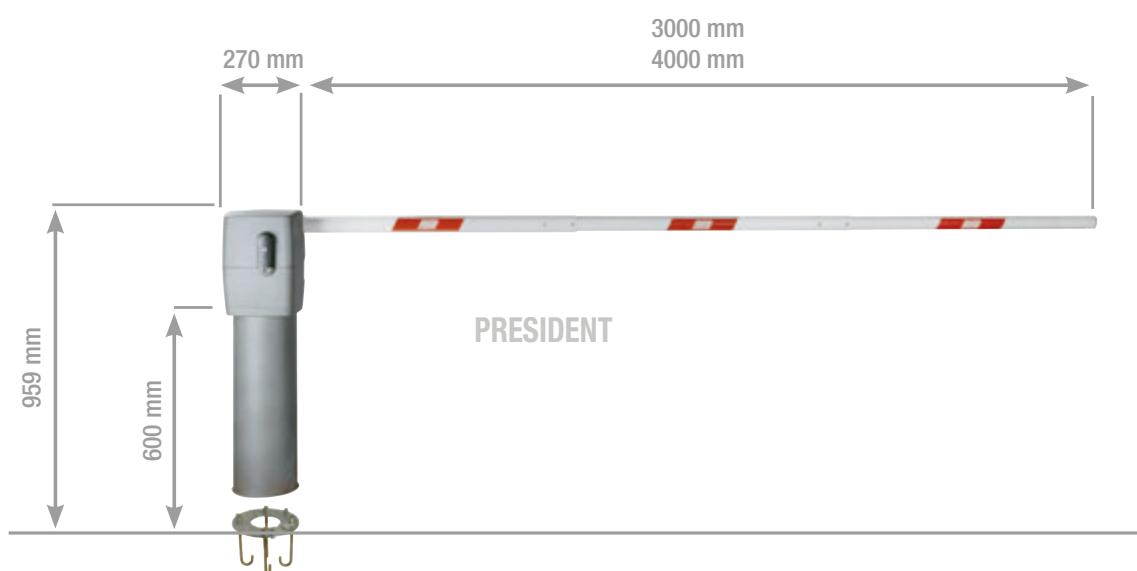
PRESIDENT is endowed with an obstacle detection device provided with a magnetic ENCODER and movement reversal.

According to EN 60335-2-103 related to automatic barriers, PRESIDENT barrier reverses boom travel in case of obstacle, also without any sensing edge, thanks to its built-in safety system. Furthermore, PRESIDENT decelerates during approach both in opening and closing.



## ENDOWED WITH PARK 24V ELECTRONIC CONTROL BOARD

- automatic travel and operating time learning system
- automatic closure
- pre-blinking
- continuous operation during power failure (with optional batteries and batteries recharge card)
- soft start - soft stop
- radio command - step by step (open - stop - close) or automatic (open - close)
- single command - step by step (open - stop - close) or automatic (open - close)
- built-in radio receiver 433 MHz (only CRX version) for SUN transmitters
- directional open and close commands (with timer control)
- stop command
- PARK feature to control a parking
- BLACK-OUT feature with automatic closure when the power supply return
- impact sensor to detect obstacle
- Connectable photocells - blinker - key selector



TECHNICAL DATA		PRESIDENT 3M	PRESIDENT 4M
Lunghezza max. asta	m	3	4
Coppia max	Nm	100	130
Tempo di apertura	s	3	3,5
Alimentazione	V	230V~ 50/60Hz	
Potenza motore	W	74	
Assorbimento	A	0,32	
Peso operatore	kg	44	
Grado di protezione	IP	44	
Cicli consigliati al giorno	n°	600	
Servizio	%	100	
Cicli consecutivi garantiti	n°	600	400
Temperatura di lavoro	°C	-10* ÷ +55	





## RAPID S - RAPID N

RAPID barrier is an electro-mechanical operator that meets the needs of rapid and intensive access control in car parks, residential complexes, etc.

It is available in S or N versions with boom length ranging from 3 to 6 m, in order to suit most of access sizes and needs.

S version is suitable for very intensive use and only for 3 m boom arm.

N version is recommended for 5 or 6 m boom.

Casing is treated with thermosetting painting and cataphoresis treatment.

RAPID is equipped with a blinker on the top of the casing.

A convenient release key is provided for unblocking barrier in case of blackout.

Round shape boom provides more dependability in windy areas.

Rubber profile (ACG7090) can be easily fitted, also together with safety photocell strip (ACG8610).

All RAPID barriers are also available in METAL outfit, with metal top and without blinker, giving the barrier more sturdiness in case of vandalism.

Casing of METAL barrier can be opened only with provided personalised key.

The new boom arm illuminated with LED lights is available for all RAPID barriers.

Thanks to a special feeder (ABP1001) it is possible to set different modes of flashing, on and off modes:

- Lights always on
- Lights always on and flashing
- Lights on when the motor is activated
- Lights on and flashing when the motor is activated
- Lights on when the barrier is closed and still, and on and flashing when the barrier is active and the boom arm is moving.
- Lights on or lights on and flashing only when the barrier is closed.

A light sensor can be connected to the Feeder to decide the LED lights functioning according to the light of the day.

The boom arm can carry the LED lights in the upper part, and the rubber profile ACG7090 or the hanging racks ACG8290 - ACG8291 in lower part.



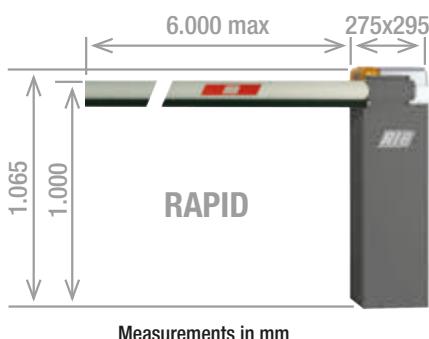
RAPID boom arm with LED



code AC07063

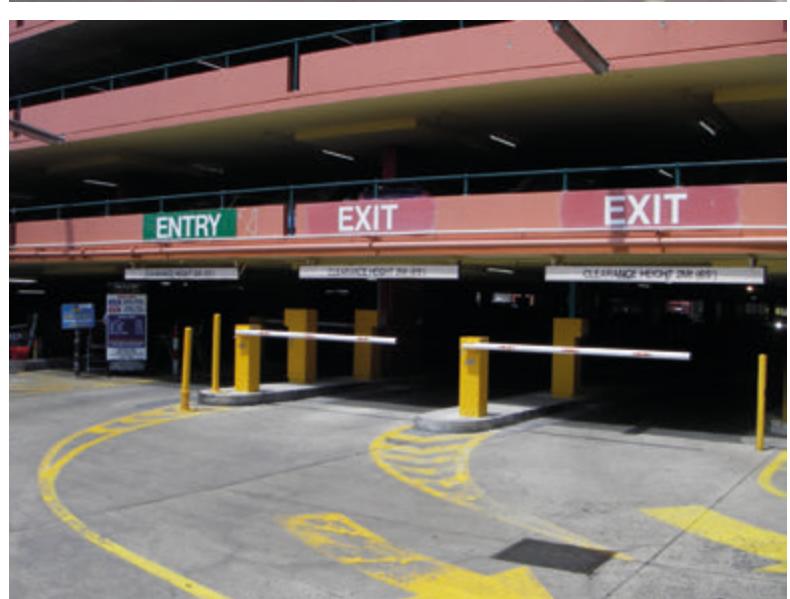
## ENDOWED WITH PARK 230V-CRX ELECTRONIC CONTROL BOARD

- automatic travel and operating time learning system with electric limit switches
- automatic closure
- pre-blinking
- adjustable low speed in approaching
- radio command - step by step (open - stop - close) or automatic (open - close)
- single command - step by step (open - stop - close) or automatic (open - close)
- built-in radio receiver 433 MHz (only CRX version) for SUN transmitters
- directional open and close commands (with timer control)
- stop command
- PARK feature to control a parking
- BLACK-OUT feature with automatic closure when the power supply return
- safety strip self-test as required by EN12453
- built-in motor heater (with optional PROBE ACG4666)
- Control of locking magnet, courtesy light, traffic lights (optional)
- Connectable to photocells - safety strips - blinker - key selector



\* up to -30°C fitted with PROBE (code ACG4666)

TECHNICAL DATA		RAPID S	RAPID N
Lunghezza max. asta	m	3÷4	3÷6
Coppia max	Nm	80	155
Tempo di apertura	s	3	6
Alimentazione	V	230V~ 50/60Hz	
Potenza motore	W	240	242
Assorbimento	A	1	1,07
Peso operatore	kg	62	62
Grado di protezione	IP	54	
Cicli consigliati al giorno	n°	1200	1500
Servizio	%	100	
Cicli consecutivi garantiti	n°	1200	1500
Temperatura di lavoro	°C	-10* ÷ +55	



FORK TYPE SUPPORT COLUMN  
ACG9130G

COLUMN with ELECTROMAGNETIC  
LOCK  
ACG8073G

TELESCOPIC HANGING SUPPORT  
ACG8285

ARTICULATED BOOM ARM  
ACG8223 (3 m Ø 80)  
ACG8224 (4 m Ø 80)  
ACG8225 (5 m Ø 80)

HANGING RACK  
ACG8290B (2 m)  
ACG8291B (3 m)



## NORMAL

NORMAL barrier is an electromechanical operator for heavy duty applications, with boom long up to 7 meter.  
It is maintenance-free.  
A convenient handle is provided for unlocking and operating the barrier in case of blackout.



## INDUSTRIAL

INDUSTRIAL barrier is an electromechanical operator with a three-phase motor designed for industrial applications with boom long up to 12 meters.  
A convenient crank is provided for unlocking and operating the barrier in case of blackout.



FORK TYPE SUPPORT COLUMN  
ACG9130G



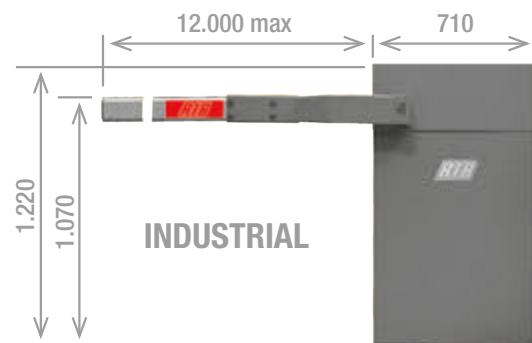
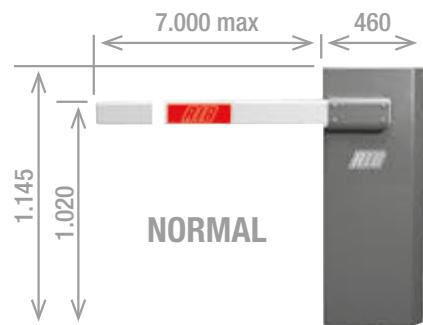
COLUMN with ELECTROMAGNETIC LOCK  
ACG8073G for NORMAL with round boom  
ACG8070G for NORMAL and INDUSTRIAL  
with octagonal boom



TELESCOPIC HANGING  
SUPPORT  
ACG8285



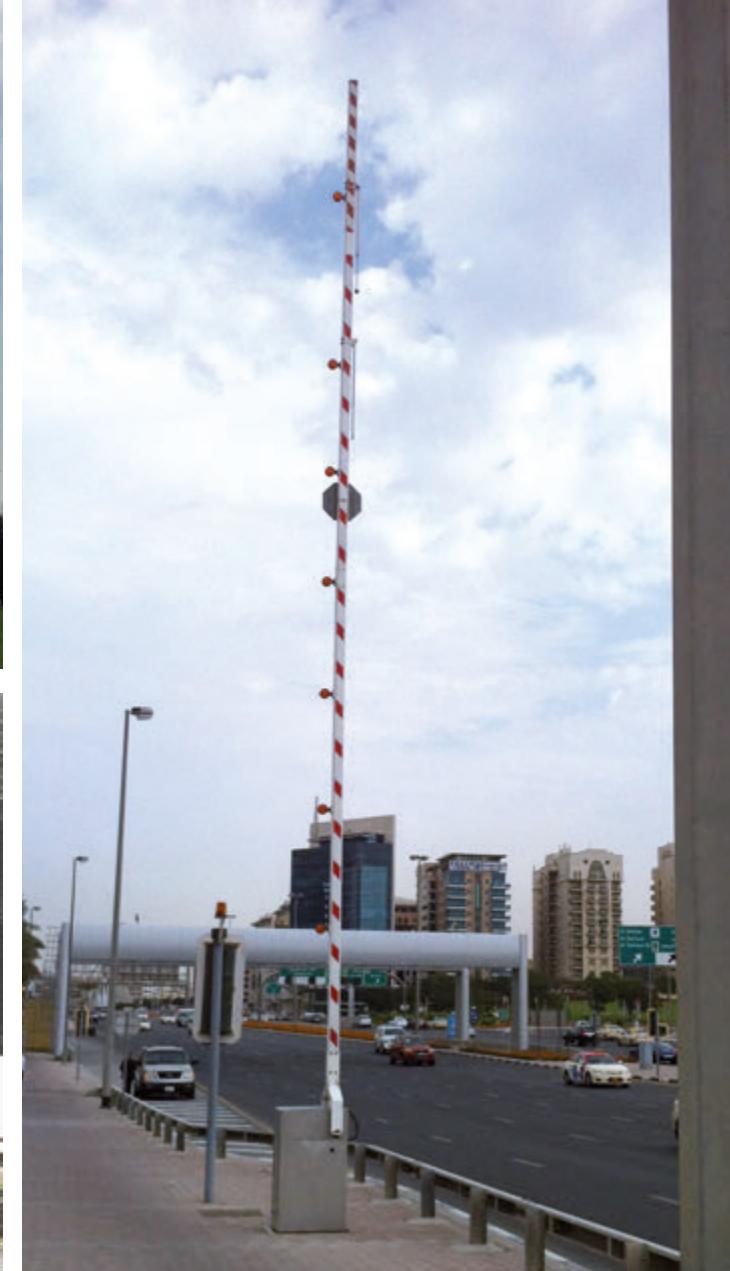
HANGING RACK  
ACG8290B (2 m)  
ACG8291B (3 m)



Measurements in mm

TECHNICAL DATA		NORMAL	INDUSTRIAL
Lunghezza max. asta	m	6÷7	7,5÷12
Coppia max	Nm	300	800
Tempo di apertura	s	11	16
Alimentazione	V	230V~ 50/60Hz	
Potenza motore	W	130	800
Assorbimento	A	0,6	2,42
Peso operatore	kg	145	210
Grado di protezione	IP	55	
Cicli consigliati al giorno	n°	1000	300
Servizio	%	100	
Cicli consecutivi garantiti	n°	1000	35
Temperatura di lavoro	°C	-10* ÷ +55	

\* up to -30°C fitted with PROBE (code ACG4666)





Products in this catalog allow the installation of automatic gates fully harmonized with European standards in force



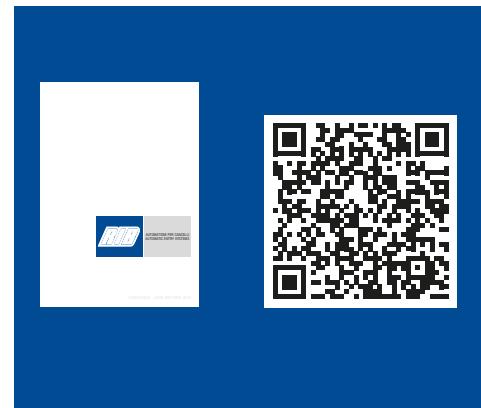
This product has been completely developed and built in Italy



**COMPANY WITH  
QUALITY SYSTEM  
CERTIFIED BY DNV GL  
= ISO 9001 =**



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