

# SIGNO

24V

**For private, public and industrial car parks.**  
Electromechanical barrier gate operator with encoder.

**Powerful and quick:** electromechanical 24 Vdc gear motor, 500 W power and up to 250 Nm torque.  
It opens up completely (90°) in just 1.8" (Signo3), 3" (Signo4), 6" (Signo6).  
Models with a 230 Vac or 110 Vac power supply.

**Even more sophisticated and well-developed control unit:**  
The same for all models, it automatically recognises and memorises the Signo model on which it is installed thereby eliminating the first installation procedure.  
Signals that the power supply is correct when started and that the control unit is functioning correctly.  
Automatic diagnostics during operation, with differentiated visual signals according to the type of fault.

**Intelligent:** the manoeuvre will invert automatically if the bar comes into contact with an obstacle.  
The control unit automatically corrects any eventual lack of balance linked to variations in the climate or poor installation.

**Safe:** the innovative control unit utilises a revolutionary management system of the force, speed, acceleration and deceleration that can be **programmed at 6 levels**, at the beginning and at the end of the manoeuvre.  
Programming is intuitive and automatic with the Nice Encoder technology: simply push a button and Signo will comprehend the limit switch limits.

**Large openings:** a master/slave selection automatically synchronises two opposing barriers enabling the automation of transit points up to 8 and 12 m.

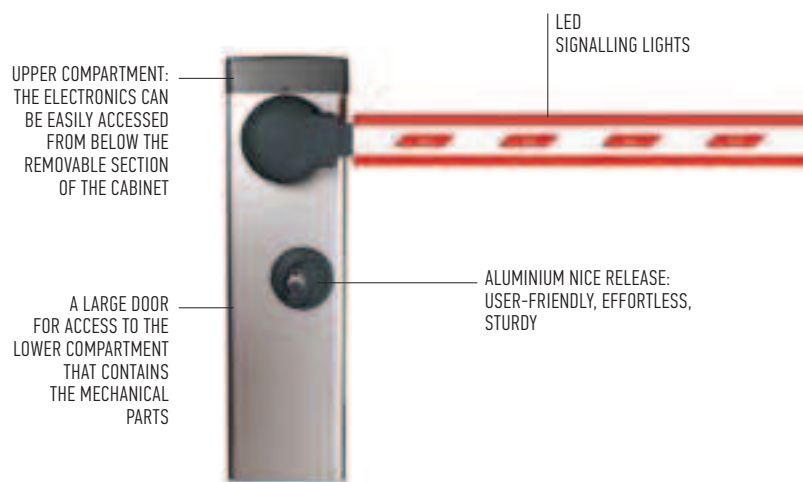
**Convenient:** separate compartments for electronics and mechanics provide the user with easy access without damages to internal parts.

#### Exclusive functions:

- the barrier will close immediately after the vehicle has passed through;
- it has two types of traffic-light type signals;
- there is an automatic safety test at the beginning of each manoeuvre;
- constant resistance STOP input for connecting the latest generation of sensitive edges;
- there is a manoeuvre counter and it is possible to programme the maintenance alarm threshold.

#### Intensive use for long periods of time:

Ideal for automating private, public or industrial car-parks which are subjected to the frequent passage of vehicles during the day.



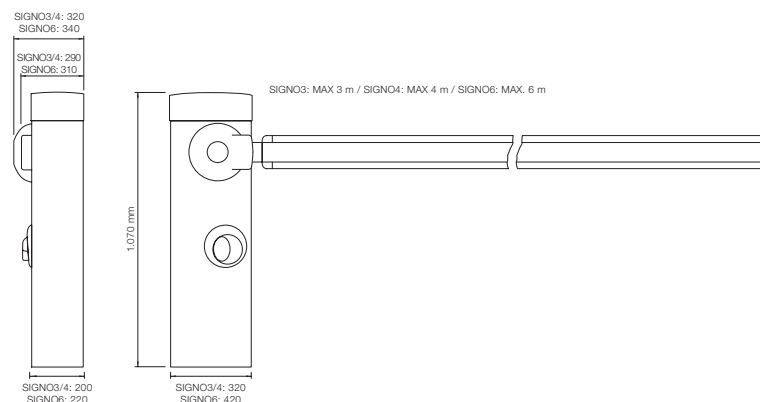
#### IRREVERSIBLE 230 Vac, 24 Vdc MOTOR, WITH ANCHORAGE BASE INCLUDED:

CODE	DESCRIPTION
<b>SIGNO3</b>	FOR BARS UP TO 3 m, WITH GALVANISED STEEL PAINTED CASE
<b>SIGNO3I</b>	FOR BARS UP TO 3 m, WITH SATIN STAINLESS STEEL CASE
<b>SIGNO4</b>	FOR BARS UP TO 4 m, WITH GALVANISED STEEL PAINTED CASE
<b>SIGNO4I</b>	FOR BARS UP TO 4 m, WITH SATIN STAINLESS STEEL CASE
<b>SIGNO6</b>	FOR BARS UP TO 6 m, WITH GALVANISED STEEL PAINTED CASE
<b>SIGNO6I</b>	FOR BARS UP TO 6 m, WITH SATIN STAINLESS STEEL CASE

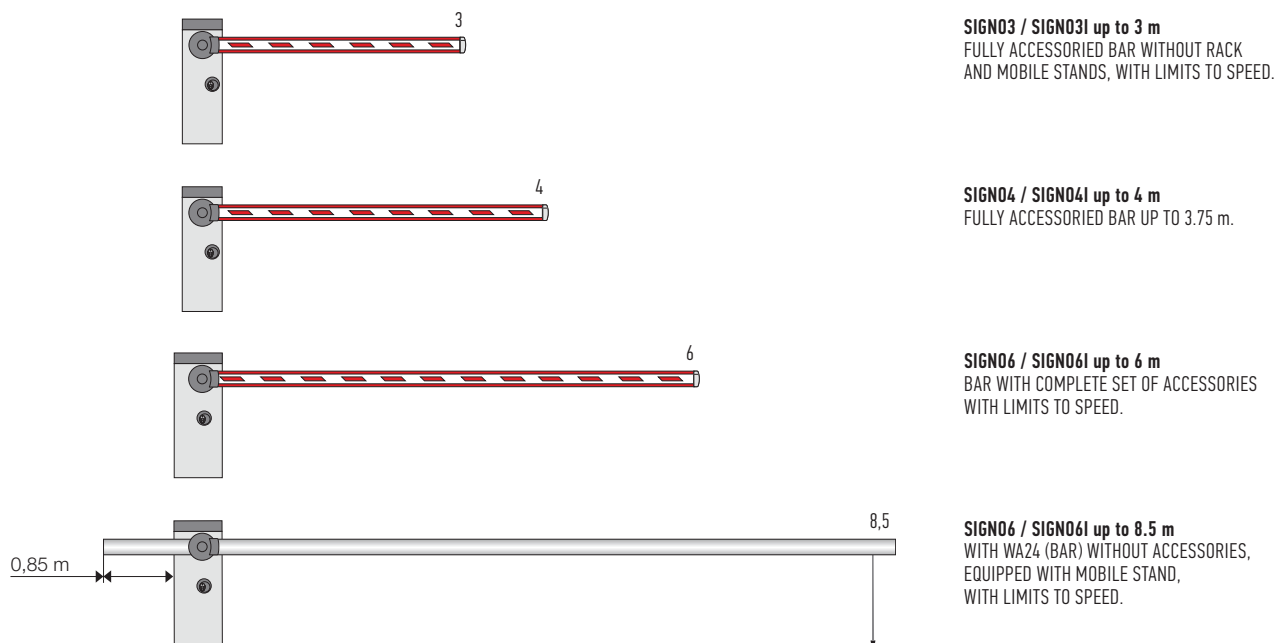
#### TECHNICAL SPECIFICATIONS

CODE	SIGNO3 - SIGNO3I	SIGNO4 - SIGNO4I	SIGNO6 - SIGNO6I
<b>ELECTRICAL DATA</b>			
POWER SUPPLY (Vac 50/60 Hz)	230		
ABSORPTION (A)	1.1	1.3	1.3
POWER (W)	300	300	500
<b>PERFORMANCE DATA</b>			
MIN.=MAX. OPENING TIME (S)	1.8÷4	3÷6	6÷10
TORQUE (Nm)	130	200	250
WORK CYCLE (CYCLES/HOUR)	600	400	250
<b>DIMENSIONAL AND GENERAL DATA</b>			
PROTECTION LEVEL (IP)	44		
WORKING TEMP. (°C MIN/MAX)	-20 ÷ +50		
DIMENSIONS (mm)	320x200x1070 h		420x220x1070 h
WEIGHT (kg)	50		58

#### DIMENSIONS



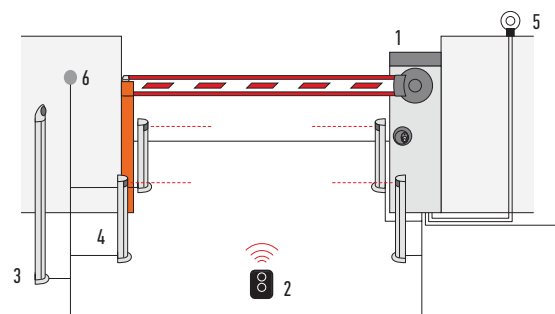
## UTILISATION LIMITS



### Bar lenght (m)

Tubular aluminium bars don't need the use of accessories (only WA11).

## INSTALLATION DIAGRAM



1. SIGNO
2. TRANSMITTER
3. KEY-OPERATED SELECTOR ON POST
4. PHOTOCELLS MOUNTED ON POSTS
5. FLASHING LIGHT
6. DIGITAL OR KEY SWITCHES.

# ACCESSORIES SIGNO

## ACCESSORIES FOR SIGN03 / SIGN03I



**SIA3**  
ALUMINIUM BAR, PAINTED  
WHITE 36X73X3250 mm.  
PC/PACK 1



**WA25**  
PIVOTING CONNECTION  
FOR RECTANGULAR BARS  
UP TO 4 m.  
PC/PACK 1



**WA2**  
8 m PACK OF RED  
SHOCKPROOF RUBBER STRIP  
WITH CAPS TO CLOSE  
SIA3 BAR.  
PC/PACK 1



**SIA1**  
ANCHORAGE BASE  
WITH CLAMPS.  
PC/PACK 1

## ACCESSORIES FOR SIGN04 / SIGN04I



**WA1**  
ALUMINIUM BAR, PAINTED  
WHITE 36X73X4250 mm.  
PC/PACK 1



**WA25**  
PIVOTING CONNECTION  
FOR RECTANGULAR BARS  
UP TO 4 m.  
PC/PACK 1



**WA2**  
8 m PACK OF RED  
SHOCKPROOF RUBBER  
STRIP WITH CAPS  
TO CLOSE WA1 BAR.  
PC/PACK 1



**WA13**  
ALUMINIUM RACK (2 m)  
FOR WA1, WA21, WA22 BARS.  
PC/PACK 1



**WA14**  
JOINT FOR RODS WA1  
(FROM 1950 mm  
TO 2400 mm).  
PC/PACK 1



**WA3**  
TUBULAR ALUMINIUM BAR,  
PAINTED WHITE  
Ø 70X4250 mm, SUITABLE  
WHERE THERE ARE STRONG  
WINDS. ONLY WITH WA11.  
PC/PACK 1



**WA4**  
CONNECTION  
FOR THE WA3 BAR.  
PC/PACK 1

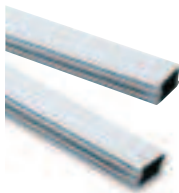


**SIA1**  
ANCHORAGE BASE  
WITH CLAMPS.  
PC/PACK 1

## ACCESSORIES FOR SIGN06 / SIGN06I



**WA21**  
ALUMINIUM BAR, PAINTED  
WHITE 36X94X6250 mm.  
PC/PACK 1



**WA22**  
MODULAR BAR, PLUS JOINT  
PAINTED WHITE, 2 SECTIONS  
36X94X3125 mm.  
PC/PACK 2



**WA6**  
PACK 12 m OF RED  
SHOCKPROOF RUBBER STRIP  
WITH CAPS TO CLOSE  
THE BARS WA21, WA22.  
PC/PACK 1



**WA24**  
TUBULAR TELESCOPIC  
BAR IN WHITE PAINTED  
ALUMINIUM, MAX. LENGTH  
8.5 m, COMPLETE WITH  
MOBILE SUPPORT WA12,  
COUNTERWEIGHT AND  
CONNECTOR. 6 METERS  
OVERALL LENGTH FOR  
TRANSPORTATION.  
See draft page 107.  
PC/PACK 1



**WA7**  
TUBULAR ALUMINIUM BAR,  
PAINTED WHITE  
Ø 90X6250 mm SUITABLE  
WHERE THERE ARE STRONG  
WINDS, ONLY WITH WA11.  
PC/PACK 1



**WA13**  
ALUMINIUM RACK (2 m)  
FOR WA1, WA21, WA22 BARS.  
PC/PACK 1



**SIA2**  
ANCHORAGE BASE  
WITH CLAMPS.  
PC/PACK 1



**WA8**  
CONNECTION  
FOR THE WA7 BAR.  
PC/PACK 1

## COMMON ACCESSORIES FOR SIGN0 SERIES



**SIA20**  
SPARE CONTROL UNIT.



**PS224**  
24 Vdc BUFFER BATTERY.  
PC/PACK 1



**WA9**  
PACK OF 6 FLASHING  
SIGNALS, WIRED FOR WA1,  
WA21, WA22 BARS.  
PC/PACK 6



**WA10**  
RED ADHESIVE  
REFLECTOR STRIPS.  
PC/PACK 24



**WA11**  
ADJUSTABLE STAND  
FOR BARS.  
PC/PACK 1



**WA12**  
MOBILE STAND FOR BARS  
- NEW FULLY REINFORCED  
VERSION.  
PC/PACK 1



**P0**  
SUPPORT BRACKET  
FOR PHOTOCELLS MOF  
AND MOFB.  
PC/PACK 4