

Signo

For private, public and industrial car parks.

Electromechanical barrier gate operator with encoder.

Powerful and quick: electromechanical 24Vdc gear motor, 300W power and up to 250Nm torque. It opens up completely (90°) in just 1.8s seconds (Signo3), 3 seconds (Signo4), 6 seconds (Signo6).

Models with a 230Vac or 110Vac power supply.

Ingenious: a master/slave selection automatically synchronises two barriers set opposite each other. This means it is possible to automate entries max. 8 and 12m (for Signo4 and Signo6 respectively).

Intelligent: the manoeuvre will invert automatically if the bar comes into contact with an obstacle.

The software cuts in automatically in order to correct any eventual lack of balance linked to variations in the climate or due to a lack of maintenance.

Safe: acceleration and deceleration at the beginning and end of each opening and closing manoeuvre.

Convenient: separate compartments for electronics and mechanics provide the user with easy access to the control unit, which is positioned under the upper removable cover of the cabinet. The front leaf provides access to the mechanical parts only.

Sophisticated, well-developed control unit

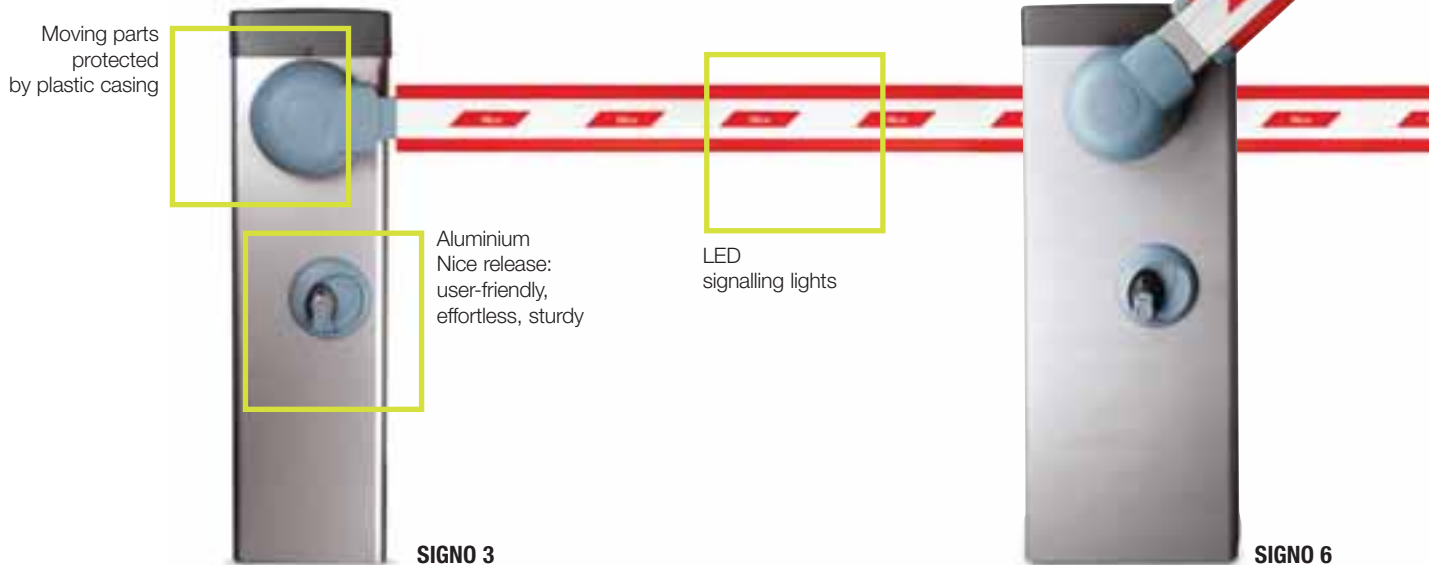
The innovative control unit utilises a revolutionary force, speed and deceleration management system. Thanks to the Nice encoder technology there is no need to adjust the limit switches, which are automatically detected once and for all by simply pressing a button.

Exclusive functions:

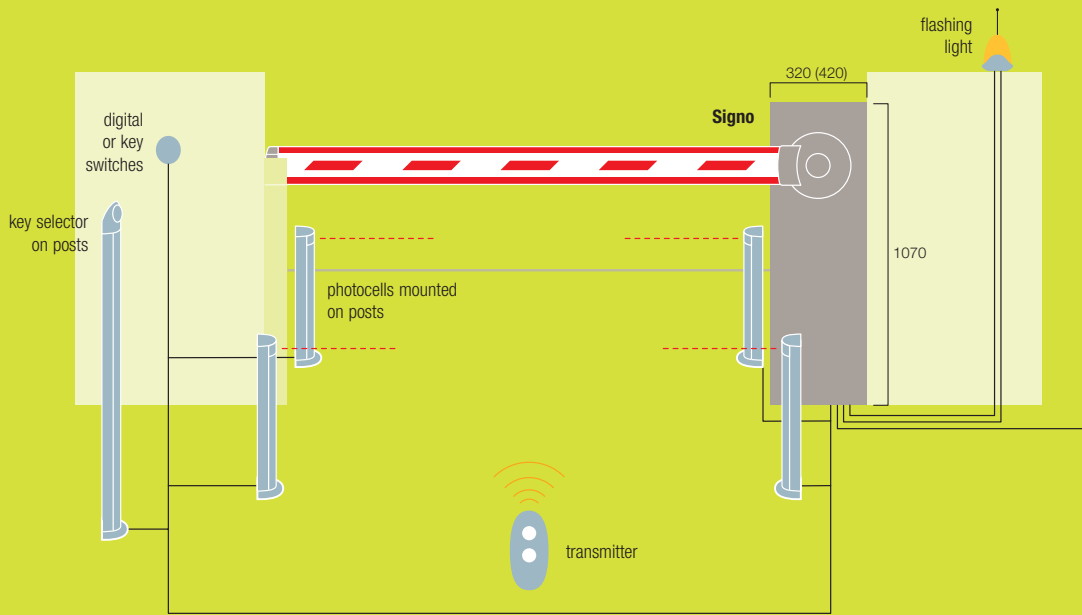
- the barrier will close immediately after the vehicle has passed through
- it has two types of traffic-light type signals
- there is an automatic safety test at the beginning of each manoeuvre
- constant resistance STOP input for connecting the last generation sensitive edges
- there is a manoeuvre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

Intensive use

The new, 24Vdc gear motor Signo can be used intensively for long periods of time. This characteristic makes it ideal for automating private, public or industrial car-parks which are subjected to the frequent passage of vehicles during the day.



Code	Description
SIGNO3	for bars up to 3m, irreversible 230Vac, 24Vdc motor, with galvanised steel painted case
SIGNO3I	for bars up to 3m, irreversible 230Vac, 24Vdc motor, with satin stainless steel case
SIGNO4	for bars up to 4m, irreversible 230Vac, 24Vdc motor, with galvanised steel painted case
SIGNO4I	for bars up to 4m, irreversible 230Vac, 24Vdc motor, with satin stainless steel case
SIGNO6	for bars up to 6m, irreversible 230Vac, 24Vdc motor, with galvanised steel painted case
SIGNO6I	for bars up to 6m, irreversible 230Vac, 24Vdc motor, with satin stainless steel case



Approximate draft

Nice recommends customers order products in pallets in order to facilitate storage and delivery, and ensure packs are uniform. The number of packs per single pallet has been specified for this reason.

Technical specifications	SIGN03 SIGN03I	SIGN04 SIGN04I	SIGN06 SIGN06I
Power (Vac 50/60Hz)		230	
Emergency power supply (Vdc)		24	
Power absorbed (W)	250		300
Current absorbed (line) (A)	1.1		1.3
Current absorbed (motor) (A)	10		12
Protection level (IP)		44	
Reduction ratio	1/123		1/241
Torque (Nm)	130	200	250
Min. - max. opening time (s)	1.8 ÷ 4	3 ÷ 6	6 ÷ 10
Working temp. (°C Min/Max)		-20 ÷ +50	
Work cycle (%)		80	
Dimensions (mm)	320x1070x320		420x1070x340
Weight (Kg)	50		58
Insulation class	1		

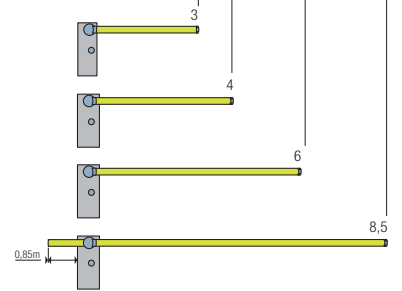
Utilisation limits

SIGN06 / SIGN06I up to 8,5m
with WA24 (bar) without accessories, equipped with mobile stand, with limits to speed

SIGN06 / SIGN06I up to 6m
bar with complete set of accessories with limits to speed

SIGN04 / SIGN04I up to 4m
fully accessoried bar up to 3,75m

SIGN03 / SIGN03I up to 3m
fully accessoried bar without rack and mobile stands, with limits to speed



Bar length (m)

N.B. tubular aluminium bars don't need the use of accessories. (only WA11)

Signo accessories

Accessories for SIGN03 / SIGN03I



SIA1
anchorage base with clamps

Pc/pack 1



SIA3
aluminium bar, painted white
36x73x3250mm

Pc/pack 1



WA2
8m pack of red shockproof
rubber strip with caps
to close SIA3 bar
Pc/pack 1

Accessories for SIGN04 / SIGN04I



WA1
aluminium bar, painted white
36x73x4250mm

Pc/pack 1



WA2
8m pack of red shockproof
rubber strip with caps
to close WA1 bar

Pc/pack 1



WA3
tubular aluminium bar,
painted white Ø70x4250mm,
suitable where there are
strong winds. Only with WA11
Pc/pack 1



WA4
connection for the WA3 bar

Pc/pack 1



WA13
aluminium rack (2m)
for WA1, WA21, WA22 bars

Pc/pack 1



WA14
joint for rods WA1
(from 1850mm to 2400mm)

Pc/pack 1



SIA1
anchorage base with clamps

Pc/pack 1

Accessories for SIGN06 / SIGN06I



WA21
aluminium bar, painted white
36x94x6250mm

Pc/pack 1



WA22
modular bar, plus joint
painted white, 2 sections
36x94x3125mm

Pc/pack 2



WA24
tubular telescopic bar in
white painted aluminium,
max. length 8.5m, complete
with mobile support WA12,
counterweight and connector
Pc/pack 1



WA6
pack 12m of red shockproof
rubber strip with caps to
close the bars WA21, WA22

Pc/pack 1



WA7
tubular aluminium bar,
painted white Ø90x6250mm
suitable where there are
strong winds, only with WA11
Pc/pack 1

Accessories for SIGN06 / SIGN06I



WA8
connection for the WA7 bar
Pc/pack 1



WA13
aluminium rack (2m)
for WA1, WA21, WA22 bars
Pc/pack 1



SIA2
anchorage base with clamps
Pc/pack 1

Common accessories



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
Pc/pack 1



PS224
24Vdc buffer battery
Pc/pack 1



SIA20
spare control unit

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