

The Nice
Signo

Nice systems
to control roadways
to residences,
companies and
communities



Nice

Home Automation

For private, public and industrial car parks.

Electromechanical barrier gate operator with encoder.

Powerful and quick:

electromechanical 24 Vdc gear motor, 300 W power and up to 250 Nm torque. It opens up completely (90°) in just 1.8 seconds (Signo3), 3 seconds (Signo4), 6 seconds (Signo6). Models with a 230 Vac or 110 Vac power supply.

Even more sophisticated and well-developed new 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 diagnosis of faults when operating: this new function, which takes place during the normal operation of the automation, makes an automatic diagnosis of the faults detected by the control unit and signals the various types through a combination of flashes.

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 completely 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 barriers set opposite one another. This means that entrances up to 8 and 12 m can be automate.

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

The new, 24 Vdc 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.

Upper compartment: the electronics can be easily accessed from below the removable section of the cabinet

A large door for access to the lower compartment that contains the mechanical parts

Aluminium Nice release: user-friendly, effortless, sturdy

LED signalling lights

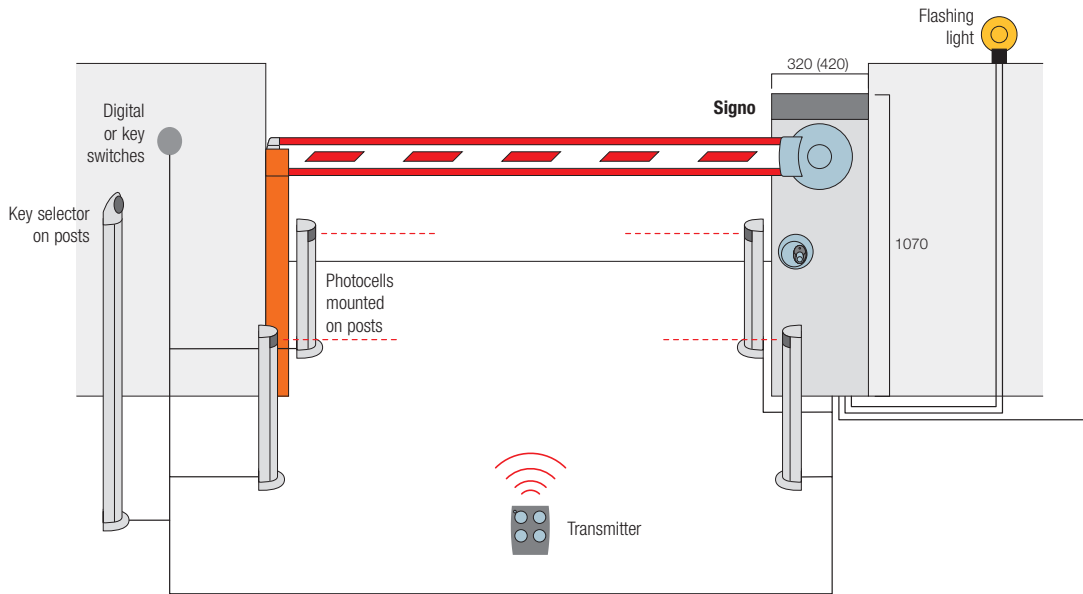


SIGNO 4



SIGNO 6

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



Approximate draft

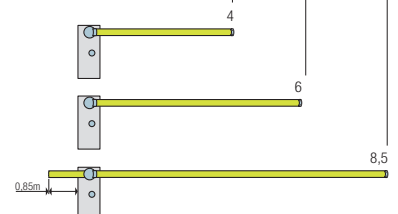
Technical specifications	SIGN04	SIGN06
	SIGN04I	SIGN06I
Power (Vac 50/60 Hz)		230
Emergency power supply		PS224
Power absorbed (W)		300
Current absorbed (line) (A)		1.3
Current absorbed (motor) (A)		12
Protection level (IP)		44
Reduction ratio		1/241
Torque (Nm)	200	250
Min. - max. opening time (s)	3 ÷ 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 8.5 m
with WA24 (bar) without accessories, equipped with mobile stand, with limits to speed

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

SIGN04 / SIGN04I up to 4 m
fully accessoried bar up to 3.75 m



Bar lenght (m)

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

The information shown in this publication is purely indicative. Nice reserves the right to make any modifications to the products as it sees fit.

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.

Accessories

Accessories for SIGN04 / SIGN04I



WA1
aluminium bar,
painted white
36x73x4250 mm
Pc/pack 1



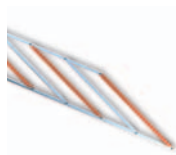
WA2
8 m pack of red
shockproof rubber
strip with caps
to close WA1 bar
Pc/pack 1



WA3
tubular aluminium bar,
painted white
Ø70x4250 mm,
suitable where there
are strong winds.
Only with WA11
Pc/pack 1



WA4
connection
for the WA3 bar
Pc/pack 1



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



WA14
joint for rods WA1
(from 1850 mm to
2400 mm)
Pc/pack 1



SIA1
anchorage base with
clamps
Pc/pack 1

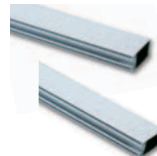


WA25
pivoting connection
for rectangular bars
up to 4 m
Pc/pack 1

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 m, complete with
mobile support WA12, counterweight
and connector. 6 meters overall
length for transportation.
Pc/pack 1

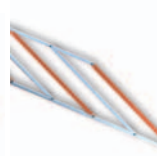


WA7
tubular aluminium bar,
painted white Ø90x6250 mm
suitable where there
are strong winds,
only with WA11
Pc/pack 1

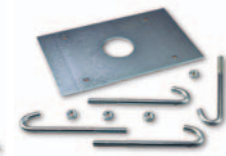
Accessories for SIGN06 / SIGN06I



WA8
connection
for the WA7 bar
Pc/pack 1

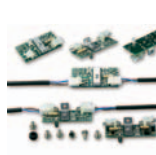


WA13
aluminium
rack (2 m)
for WA1, WA21,
WA22 bars
Pc/pack 1



SIA2
anchorage base
with clamps
Pc/pack 1

Accessories for SIGN06 / SIGN06I



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
24 Vdc buffer
battery
Pc/pack 1



SIA20
spare control unit



PO
support bracket
Pc/pack 4