Residential, commercial and industrial systems for the **automation** and **control** of gates, garage doors and barriers.

Nice Gate&Door catalogue 2021

sds
gate drive systems australia

Nice

Gate&Door / Catalogue 2021

Nice

FOR GATES AND VEHICLE ACCESS

FOR DOORS

FOR YOU

Residential, commercial and industrial systems for the automation and control of gates, garage doors and barriers

Nice Australia provide functional products with an exciting design that allows people to enter and leave their home and business in complete freedom, with the utmost comfort and security, and therefore enjoy their living and work spaces to the full.

Nice offers the simplest integration, the widest range, the most advanced electronics, the finest design and the most complete and attractive automation system.

Nice Australia manufacture GDS products - industrial quality automatic gate drive systems made in Australia for Australian conditions. Developed and manufactured in Australia, the range of industrial grade, cast iron gearboxes and motors are used in the most rigorous applications. GDS products are 100% duty cycle with intelligent inverters that provide the installer with a vast amount of options. The products are underpinned by exceptional service and support.

Nice   ETNice   elero sun your life   gds gate drive systems australia   FIBARO HOME INTELLIGENCE   HySecurity a Nice group company

Residential

Systems for Swing Gates

OZ KIT | **SOLEMYO** | **OPERA** | **BLUEBUS** | **24V** | **230V**

Toona 4

For swing gates with leaves up to 3 m

Ideal for residential applications.

Electromechanical gear motor, surface mounted. Also available in 24 Vdc version, with magnetic encoder.

Reliability and durability over time: thanks to the housing, made up of two tough aluminium shells with polyester paint finish; more resistant to atmospheric agents.

Internal moving parts completely in steel, light alloys and technopolymers.

Silent: patented layout of internal parts and lead nut in bronze.

Generously sized and practical connection compartment: rapid and easy access from above to internal parts located in the upper section of the motor.

Simple installation and maintenance: with built-in capacitor.
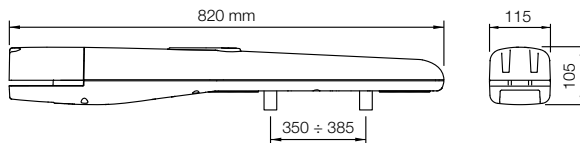
Recommended control units: Mindy A6F, A60, A700F; Moonclever MC824H for TO4024.

24 Vdc version with magnetic encoder. **Perfect for intensive use**, compatible with the control unit Moonclever MC824H:

- simple programming, by means of a single key;
- automatic memorisation of limit switches on opening and closing with self-learning function;
- automatic fault diagnostics;
- programming of pause time;
- pedestrian pass door;
- deceleration on opening and closing;
- obstacle detection with dual technology;
- operation in event of power failure by means of optional rechargeable batteries (PS324);
- provision for connection of latest generation resistive sensitive edges.

Oz Kit

Oz Kit 1
- motor x 1
- control unit x 1
- receiver x 1
- two channel remote x 2

Oz Kit 2
- motor x 2
- control unit x 1
- receiver x 1
- two channel remote x 2

Easy access to internal parts in upper section of the motor

Release handle in die-cast aluminium, practical and resistant

Exclusive patented layout of internal parts

DIMENSIONS

820 mm

115

105

350 ÷ 385

UTILISATION LIMITS

MAX. GATE WEIGHT (KG)

500
450
400
350
300
250
200

2   2.5   3

MAX. GATE LENGTH (M)

The shape, the height of the gate and the weather conditions can considerably reduce the values shown in the graph to the side.

Use in windy areas 230 Vac models.

COMMON ACCESSORIES

IBT4N
Interface for connecting the O-View programming unit.

Pc./Pack 1

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone. (Not compatible with the Solemyo kit and battery backup.)

Pc./Pack 1

PLA6
Rear bracket 250 mm long.

Pc./Pack 1

PLA14
Screw-adjustable rear bracket.

Pc./Pack 2

PLA15
Screw-adjustable front bracket.

Pc./Pack 2

PLA10
Vertical 12 V electric lock.

Pc./Pack 1

PLA11
Horizontal 12 V electric lock.

Pc./Pack 1

PLA13
Mechanical travel stops for closing and opening manoeuvres.

Pc./Pack 4

TS
Signboard.

Pc./Pack 1

ACCESSORY FOR 24 V VERSION

PS324
24 V battery with integrated battery charger.

Pc./Pack 1

SOLEMYO KIT
The solar power to automate gates, garage doors or barrier gates.

See page 140.

TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
TO4024	Irreversible, 24 Vdc, with magnetic encoder, mechanical stop on opening	20
TO4005	Irreversible, 230 Vac, increased speed, with limit switch on opening	20
TO4006	Irreversible, 230 Vac, increased speed, with limit switch on opening and closing	20
TO4015	Irreversible, 230 Vac, cruising speed, with limit switch on opening	20
TO4605	Reversible, 230 Vac, increased speed, with limit switch on opening	20

Code	TO4024	TO4005	TO4006	TO4015	TO4605
ELECTRICAL DATA					
Power supply (Vac 50 Hz)*	-	230			
Power supply (Vdc)	24	-			
Absorption (A)	5	1.5			1.3
Power (W)	120	340			300
PERFORMANCE DATA					
Speed (m/s)		0.016		0.013	0.016
Force (N)		1800			
Work cycle (cycles/hour)	95**	58		54	50
DIMENSIONAL AND GENERAL DATA					
Protection level (IP)		44			
Working temp. (°C Min/Max)		-20 ÷ +50			
Dimensions (mm)		820x115x105 h			
Weight (kg)		6			

** With optimal installation.

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

	control unit/receiver							transmitter				photocells											flashing light		
Code	MC200 / Built-in*	MC800 / OXI	DPRO500 / OXI-SMXI*	A924 / FLOXI2R*	MC424L / Built-in*	MC824H / OXI	MC824HR / OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	EPMOW	F210	FT210	F210B	FT210B	ELAC	ELDC	WLT
TO4024						•		•	•	•	•				•	•	•	•			•			•	•
TO4005		•						•	•	•	•	•	•	•					•	•			•		
TO4006		•						•	•	•	•	•	•	•					•	•			•		
TO4015		•						•	•	•	•	•	•	•					•	•			•		
TO4605		•						•	•	•	•	•	•	•					•	•			•		

* Radio receiver incompatible with Opera system

| OZ KIT | SOLEMYO | OPERA | BLUEBUS | 24V | 230V |

Toona 5

For swing gates with leaves up to 5 m

Ideal for residential and industrial applications.

Electromechanical gear motor, surface mounted. Also available in 24 Vdc version, with magnetic encoder.

Reliability and durability over time: thanks to the housing, made up of two tough aluminium shells with polyester paint finish; more resistant to atmospheric agents.

Internal moving parts completely in steel, light alloys and technopolymers.

Oz Kit

Oz Kit 1
- motor x 1
- control unit x 1
- receiver x 1
- two channel remote x 2

Oz Kit 2
- motor x 2
- control unit x 1
- receiver x 1
- two channel remote x 2

TO5024I ideal for intensive work load, thanks to the torque of 2200 Nm, can work on continuous duty on large sized gates.

Silent: patented layout of internal parts and lead nut in bronze.

Generously sized and practical connection compartment: rapid and easy access from above to internal parts located in the upper section of the motor.

Simple installation and maintenance: with built-in capacitor.

Recommended control units: Mindy A6F, A60, A700F; Moonclever MC824H for TO5024 and TO5024I.

24 Vdc version with magnetic encoder. **Perfect for intensive use**, compatible with the control unit Moonclever MC824H:

- simple programming, by means of a single key;
- automatic memorisation of limit switches on opening and closing with self-learning function;
- automatic fault diagnostics;
- programming of pause time;
- pedestrian pass door;
- deceleration on opening and closing;
- obstacle detection with dual technology;
- operation in event of power failure by means of optional rechargeable batteries (PS324);
- provision for connection of latest generation resistive sensitive edges.

Easy access to internal parts in upper section of the motor

Release handle in die-cast aluminium, practical and resistant

Exclusive patented layout of internal parts

DIMENSIONS

965 mm

115

105

505 ÷ 540

UTILISATION LIMITS

MAX. GATE WEIGHT (KG)

TO5024I

MAX. GATE LENGTH (M)

The shape, the height of the gate and the weather conditions can considerably reduce the values shown in the graph to the side.

Use in windy areas 230 Vac models.

COMMON ACCESSORIES

IBT4N
Interface for connecting the O-View programming unit.

Pc./Pack 1

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone. (Not compatible with the Solemyo kit and battery backup.)

Pc./Pack 1

PLA6
Rear bracket 250 mm long.

Pc./Pack 1

PLA8
Screw-adjustable front bracket.

Pc./Pack 1

PLA10
Vertical 12 V electric lock (required for gates longer than 3 m).

Pc./Pack 1

PLA11
Horizontal 12 V electric lock (required for gates longer than 3 m).

Pc./Pack 1

PLA13
Mechanical travel stops for closing and opening manoeuvres.

Pc./Pack 4

TS
Signboard.

Pc./Pack 1

ACCESSORY FOR 24 V VERSION

PS324
24 V battery with integrated battery charger.

Pc./Pack 1

SOLEMYO KIT
The solar power to automate gates, garage doors or barrier gates.

See page 140.

TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
TO5024	Irreversible, 24 Vdc, with magnetic encoder, mechanical stop on opening	20
TO5024I	Irreversible, 24 Vdc, with magnetic encoder, mechanical stop on opening; for intensive use	20
TO5015	Irreversible, 230 Vac, cruising speed, with limit switch on opening	20
TO5016	Irreversible, 230 Vac, cruising speed, with limit switch on opening and closing	20
TO5605	Reversible, 230 Vac, increased speed, with limit switch on opening	20

Code	TO5024	TO5024I	TO5015	TO5016	TO5605
ELECTRICAL DATA					
Power supply (Vac 50 Hz)*	-		230		
Power supply (Vdc)	24		-		
Absorption (A)	5		1.5		1.3
Power (W)	120		340		300
PERFORMANCE DATA					
Speed (m/s)	0.016		0.013		0.016
Force (N)	1800	2200	1800		
Work cycle (cycles/hour)	95**	75***		54	50
DIMENSIONAL AND GENERAL DATA					
Protection level (IP)	44				
Working temp. (°C Min/Max)	-20 ÷ +50				
Dimensions (mm)	965x115x105 h				
Weight (kg)	7				

** With optimal installation.

*** The reduction in number of manoeuvres with respect to the version TO5024 depends solely on the lower manoeuvre speed.

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

Code	control unit/receiver							transmitter				photocells											flashing light		
	MC200 / Built-in*	MC800 / OXI	DPRO500 / OXI-SMXI*	A924 / FLOXI2R*	MC424L / Built-in*	MC824H / OXI	MC824HR / OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	EPMOW	F210	FT210	F210B	FT210B	ELAC	ELDC	WLT
TO5024						•		•	•	•	•				•	•	•	•			•			•	•
TO5024I						•		•	•	•	•				•	•	•	•			•			•	•
TO5015		•						•	•	•	•	•	•	•					•	•			•		
TO5016		•						•	•	•	•	•	•	•					•	•			•		
TO5605		•						•	•	•	•	•	•	•					•	•			•		

* Radio receiver incompatible with Opera system

Nice

Toona HS

For rapid operation of swing gates with leaves of up to 5 m or 400 kg (TO5024HS) **and up to 6 m or 1450 Kg** (TO6024HS)

Ideal for residential and industrial applications.

24 Vdc, electromechanical gear motor, surface mounted, with magnetic encoder.

Ó **Quick manoeuvres**: 90° opening in about 16* seconds with TO5024HS and about 30* seconds with TO6024HS.

Oz Kit

Oz Kit 1
- motor x 1
- control unit x 1
- receiver x 1
- two channel remote x 2

Oz Kit 2
- motor x 2
- control unit x 1
- receiver x 1
- two channel remote x 2

Reliable: the magnetic encoder ensures the safeguard of set values over time and precise obstacle detection.

Silent: patented layout of internal parts and lead nut in bronze.

Sturdy: thanks to the housing, made up of two tough aluminium shells with polyester paint finish; more resistant to atmospheric agents.

Internal moving parts completely in steel, light alloys and technopolymers.

Generously sized and practical connection compartment: rapid and easy access from above to internal parts located in the upper section of the motor.
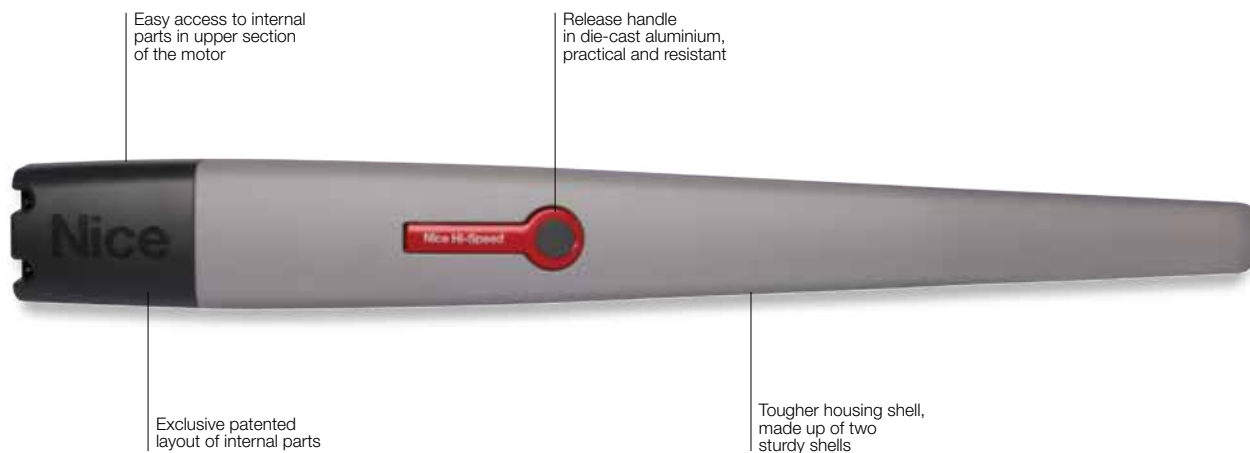
Simple installation and maintenance: with built-in capacitor.

Wholly compatible with the Moby series: same dimensions and fixing brackets.

Moonclever MC824H control unit:
- simple programming, by means of a single key;
- automatic memorisation of limit switches on opening and closing with self-learning function;
- automatic fault diagnostics;
- programming of pause time;
- pedestrian pass door;
- deceleration on opening and closing;
- obstacle detection with dual technology;
- operation in event of power failure by means of optional rechargeable batteries (PS324);
- provision for connection of latest generation resistive sensitive edges.

* Considering standard installation, excluding acceleration and deceleration.

Easy access to internal parts in upper section of the motor

Release handle in die-cast aluminium, practical and resistant

Nice Hi-Speed

Exclusive patented layout of internal parts

Tougher housing shell, made up of two sturdy shells

COMMON ACCESSORIES

IBT4N
Interface for connecting the O-View programming unit.

Pc./Pack 1

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone. (Not compatible with the Solemyo kit and battery backup.)

Pc./Pack 1

PS324
24 V battery with integrated battery charger.

Pc./Pack 1

PLA10
Vertical 12 V electric lock (required for gates longer than 3 m).

Pc./Pack 1

PLA11
Horizontal 12 V electric lock (required for gates longer than 3 m).

Pc./Pack 1

TS
Signboard.

Pc./Pack 1

PLA13
Mechanical travel stops for closing and opening manoeuvres.

Pc./Pack 4

SOLEMYO KIT
The solar power to automate gates, garage doors or barrier gates.

See page 140.

TECHNICAL SPECIFICATIONS

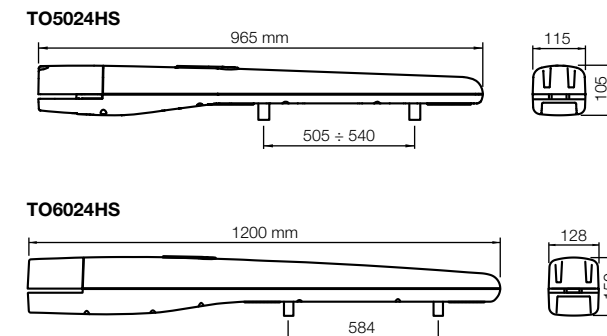| Code	Description	Pack/Pallet
TO5024HS	Irreversible, 24 Vdc, fast, with magnetic encoder, mechanical stop on opening and closing	20
TO6024HS	Irreversible, 24 Vdc, fast, with magnetic encoder, mechanical stop on opening and closing	20

Code	TO5024HS	TO6024HS
ELECTRICAL DATA		
Power supply (Vdc)	24	
Absorption (A)	5	
Power (W)	120	
PERFORMANCE DATA		
Speed (m/s)	>> 0.025 <<	>> 0.016 <<
Force (N)	1800	2200
Work cycle (cycles/hour)	95	41
DIMENSIONAL AND GENERAL DATA		
Protection level (IP)	44	
Working temp. (°C Min/Max)	-20 ÷ +50	
Dimensions (mm)	965x115x105 h	1200x128x150 h
Weight (kg)	7.5	15

UTILISATION LIMITS
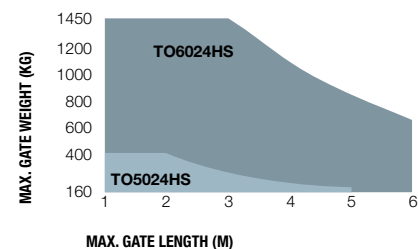
The shape, the height of the gate and the weather conditions can considerably reduce the values shown in the graph to the side.

Use in windy areas 230 Vac models.

DIMENSIONS

TO5024HS

TO6024HS

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

Code	control unit/receiver							transmitter				photocells											flashing light		
	MC200 / Built-in*	MC800 / OXI	DPRO500 / OXI-SMXI*	A924 / FLOXI2R*	MC424L / Built-in*	MC824H / OXI	MC824HR / OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	EPMOW	F210	FT210	F210B	FT210B	ELAC	ELDC	WLT
TO5024HS						•		•	•	•	•				•	•	•	•			•			•	•
TO6024HS						•		•	•	•	•				•	•	•	•			•			•	•

* Radio receiver incompatible with Opera system

`OZ KIT` `SOLEMYO` `OPERA` `BLUEBUS` `24V`

Toona 7

For swing gates with leaves up to 7 m

Ideal for industrial applications, designed for intensive use.

Electromechanical gear motor, surface mounted, powered at 24 Vdc, with magnetic encoder.

Reliability and durability over time: thanks to the housing, made up of two tough aluminium shells with polyester paint finish; more resistant to atmospheric agents.

Internal moving parts completely in steel, light alloys and technopolymers.

Oz Kit

Oz Kit 1
- motor x 1
- control unit x 1
- receiver x 1
- two channel remote x 2

Oz Kit 2
- motor x 2
- control unit x 1
- receiver x 1
- two channel remote x 2

Silent: patented layout of internal parts and lead nut in bronze.

Generously sized and practical connection compartment: rapid and easy access from above to internal parts located in the upper section of the motor.
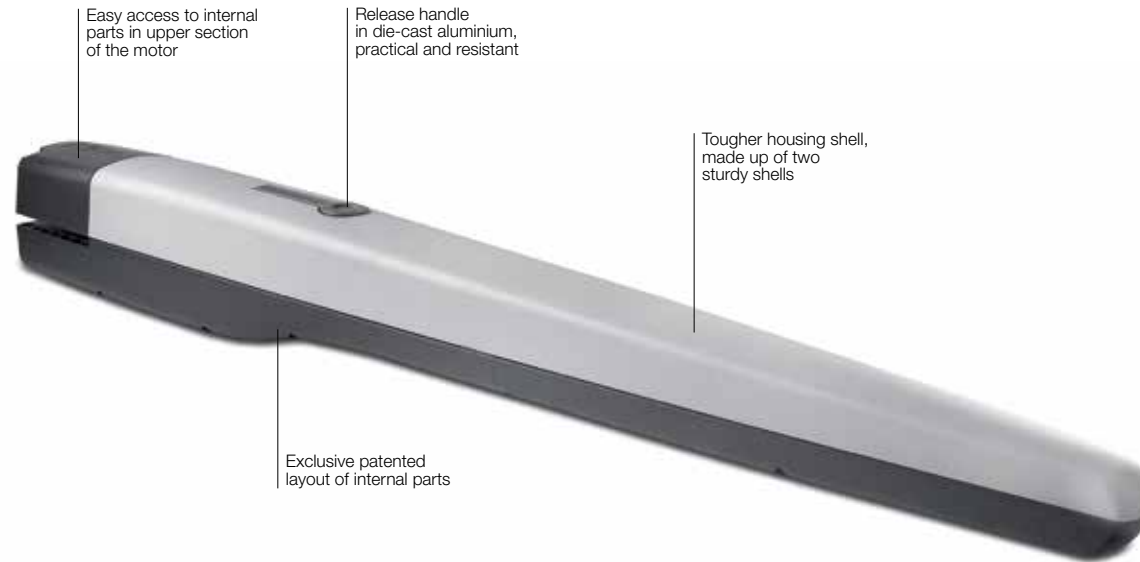
Moonclever MC824H control unit:
- simple programming, by means of a single key;
- automatic memorisation of limit switches on opening and closing with self-learning function;
- automatic fault diagnostics;
- programming of pause time;
- pedestrian pass door;
- deceleration on opening and closing;
- obstacle detection with dual technology;
- operation in event of power failure by means of optional rechargeable batteries (PS324);
- provision for connection of latest generation resistive sensitive edges.

Easy access to internal parts in upper section of the motor

Release handle in die-cast aluminium, practical and resistant

Tougher housing shell, made up of two sturdy shells

Exclusive patented layout of internal parts

COMMON ACCESSORIES

IBT4N
Interface for connecting the O-View programming unit.

Pc./Pack 1

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone. (Not compatible with the Solemyo kit and battery backup.)

Pc./Pack 1

PS324
24 V battery with integrated battery charger.

Pc./Pack 1

PLA10
Vertical 12 V electric lock (required for gates longer than 3 m).

Pc./Pack 1

PLA11
Horizontal 12 V electric lock (required for gates longer than 3 m).

Pc./Pack 1

TS
Signboard.

Pc./Pack 1

PLA13
Mechanical travel stops for closing and opening manoeuvres.

Pc./Pack 4

SOLEMYO KIT
The solar power to automate gates, garage doors or barrier gates.
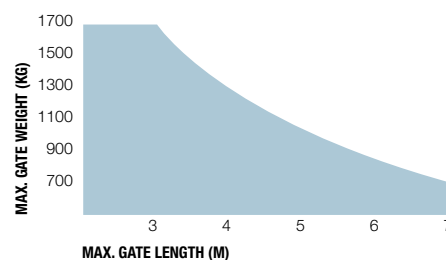
See page 140.

TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
T07024	Irreversible, 24 Vdc, fast, with magnetic encoder, mechanical stop on opening and closing	20

Code	T07024
ELECTRICAL DATA	
Power supply (Vdc)	24
Absorption (A)	5
Power (W)	120
PERFORMANCE DATA	
Speed (m/s)	0.013
Force (N)	2700
Work cycle (cycles/hour)	41
DIMENSIONAL AND GENERAL DATA	
Protection level (IP)	44
Working temp. (°C Min/Max)	-20 ÷ +50
Dimensions (mm)	1200x128x150 h
Weight (kg)	15

UTILISATION LIMITS

MAX. GATE WEIGHT (KG) / MAX. GATE LENGTH (M)

The shape, the height of the gate and the weather conditions can considerably reduce the values shown in the graph to the side.

DIMENSIONS

1200 mm — 584 — 128 — 150

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

Code	control unit/receiver							transmitter				photocells											flashing light		
	MC200 / Built-in*	MC800 / OXI	DPR0500 / OXI-SMXI*	A924 / FLOXI2R*	MC424L / Built-in*	MC824H / OXI	MC824HR / OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPMI	EPL	EPSB	EPMB	EPLB	EPMOW	F210	FT210	F210B	FT210B	ELAC	ELDC	WLT
T07024						•		•	•	•	•				•	•	•	•			•			•	•

* Radio receiver incompatible with Opera system

OZ KIT	NEW	SOLEMYO	OPERA	BLUEBUS	24V

Titan HS

For rapid operation of swing gates with leaves of up to 3.7 m (TTN3724HS, TTN3724RHS)**, 6 m** (TTN6024HS, TTN6024RHS) **or 450 Kg**

24 Vdc, electromechanical gear motor, surface mounted, with magnetic encoder.

Ó **Quick manoeuvres**: 90° opening in about 12* seconds with TTN3724HS and TTN3724RHS or 19* seconds with TTN6024HS and TTN6024RHS.

Oz Kit

Oz Kit 1
- motor x 1
- control unit x 1
- receiver x 1
- two channel remote x 2

Oz Kit 2
- motor x 2
- control unit x 1
- receiver x 1
- two channel remote x 2

Reliable: the magnetic encoder ensures the safeguard of set values over time and precise obstacle detection.

Easy to install: electrical connections easily accessible from above, thanks to the dedicated access. Fixing brackets are supplied with the motor.

Versatile: the motor can also be installed in the bottom part of the gate leaf, at a distance of at least 110 mm from the ground.

Practical and safe: easy convenient key release located in the top part of the motor, allowing the gate leaves to be opened and closed manually in the event of a blackout.

Models TTN3724HS and TTN6024HS are compatible with the Moonclever MC824H control unit, while models TTN3724RHS and TTN6024RHS are compatible with the MC824HR control unit:

- simple programming, by means of a single key;
- automatic memorisation of limit switches on opening and closing with self-learning function;
- automatic fault diagnostics;
- programming of pause time;
- pedestrian pass door;
- deceleration on opening and closing;
- obstacle detection with dual technology;
- operation in event of power failure by means of optional rechargeable batteries (PS324);
- provision for connection of latest generation resistive sensitive edges.

* Considering standard installation, excluding acceleration and deceleration.

Easy access to internal parts in upper section of the motor

Practical key release

COMMON ACCESSORIES

IBT4N
Interface for connecting the O-View programming unit.

Pc./Pack 1

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone. (Not compatible with the Solemyo kit and battery backup.)

Pc./Pack 1

PS324
24 V battery with integrated battery charger.

Pc./Pack 1

PLA10
Vertical 12 V electric lock (required for gates longer than 3 m).

Pc./Pack 1

PLA11
Horizontal 12 V electric lock (required for gates longer than 3 m).

Pc./Pack 1

TS
Signboard.

Pc./Pack 1

SOLEMYO KIT
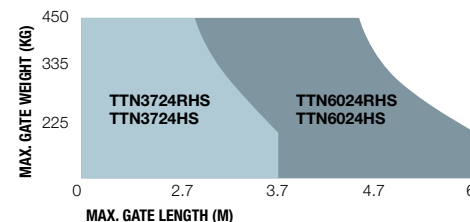The solar power to automate gates, garage doors or barrier gates.

See page 140.

TECHNICAL SPECIFICATIONS

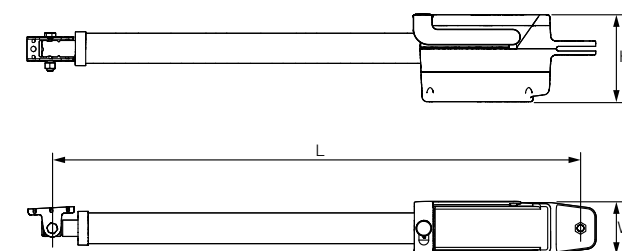| Code	Description	Pack/Pallet
TTN3724HS	Non-reversible, 24 Vdc, fast, with magnetic encoder, for swing gates with leaves of up to 3.7 m or 450 kg	32
TTN3724RHS	Reversible, 24 Vdc, fast, with magnetic encoder, for swing gates with leaves of up to 3.7 m or 450 kg	32
TTN6024HS	Non-reversible, 24 Vdc, fast, with magnetic encoder, for swing gates with leaves of up to 6 m or 450 kg	32
TTN6024RHS	Reversible, 24 Vdc, fast, with magnetic encoder, for swing gates with leaves of up to 6 m or 450 kg	32

Code	TTN3724HS	TTN6024HS	TTN3724RHS	TTN6024RHS
ELECTRICAL DATA				
Power supply (Vdc)	24			
Absorption (A)	6	7	6	7
Power (W)	150		170	
PERFORMANCE DATA				
Speed (m/s)	>> 0.032 <<	>> 0.027 <<	>> 0.032 <<	>> 0.027 <<
Force (N)	1900			
Work cycle (cycles/hour)	continuous cycle			
DIMENSIONAL AND GENERAL DATA				
Protection level (IP)	54			
Working temp. (°C Min/Max)	-20 ÷ +55			
Dimensions (mm)	910x105x170 h	1080x105x170 h	910x105x170 h	1080x105x170 h
Weight (kg)	8	9	8	9
L max / L min / travel (mm)	1370 / 860 / 510	1710 / 1030 / 680	1370 / 860 / 510	1710 / 1030 / 680
WxH (mm)	105x170			

UTILISATION LIMITS

MAX. GATE WEIGHT (KG)

450 335 225

TTN3724RHS
TTN3724HS

TTN6024RHS
TTN6024HS

0   2.7   3.7   4.7   6

MAX. GATE LENGTH (M)

The shape, the height of the gate and the weather conditions can considerably reduce the values shown in the graph to the side.

DIMENSIONS

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

Code	control unit/receiver							transmitter				photocells												flashing light		
	MC200 / Built-in*	MC800 / OXI	DPRO500 / OXI-SMXI*	A924 / FLOXI2R*	MC424L / Built-in*	MC824H / OXI	MC824HR / OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	EPMOW	F210	FT210	F210B	FT210B	ELAC	ELDC	WLT
TTN3724HS						•		•	•	•	•				•	•	•	•			•			•	•
TTN3724RHS							•	•	•	•	•				•	•	•	•			•			•	•
TTN6024HS						•		•	•	•	•				•	•	•	•			•			•	•
TTN6024RHS							•	•	•	•	•				•	•	•	•			•			•	•

* Radio receiver incompatible with Opera system

OZ KIT | **SOLEMYO** | **OPERA** | **24V**

Wingo 2024/3524KCE

For swing gates with leaves from 2 m - 3.5 m

Surface mounted 24 VDC electromechanical gear motor.

Reliable and silent: patented layout of internal parts, fewer moving parts.

Easy to install: after the gear motor has been assembled, all electrical connections are made from above.

User-friendly release with personalised Nice key and standard lock included.

⬤ Oz Kit

Oz Kit 1
- motor x 2
- control unit x 1
- two channel remote x 2

Pre-assembled, travel stops on opening.

Moonclever MC424L control unit:
- built-in radio receiver;
- simple programming, by means of a single key;
- clutch with anti-crush safety feature;
- automatic memorisation of limit switches on opening and closing with self-learning function;
- programming of pause time;
- pedestrian pass door;
- deceleration on opening and closing;
- obstacle detection system;
- can be linked to the 8.2 KOhm resistive sensitive edge;
- continues to work even during power failures using optional (PS124) batteries that fit inside the control unit.

COMMON ACCESSORIES

IBT4N
Interface for connecting the O-View programming unit.

Pc./Pack 1

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone. (Not compatible with the Solemyo kit and battery backup.)

Pc./Pack 1

PS124
24 V battery with integrated battery charger.

Pc./Pack 1

PLA14
Screw-adjustable rear bracket.

Pc./Pack 2

PLA15
Screw-adjustable front bracket.

Pc./Pack 2

PLA10
Vertical 12 V electric lock.

Pc./Pack 1

PLA11
Horizontal 12 V electric lock.

Pc./Pack 1

SOLEMYO KIT
The solar power to automate gates, garage doors or barrier gates.

See page 140.

TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
WINGO2024KCE	Kit for swing gates with leaves up to 2 m, 24 Vdc, surface mounted	12
WINGO3524KCE	Kit for swing gates with leaves up to 3.5 m, 24 Vdc, surface mounted	12

Code	WG2024	WG3524
ELECTRICAL DATA		
Power supply (Vdc)	24	24
Absorption (A)	3.5	5
Power (W)	85	120
PERFORMANCE DATA		>> 0.04 <<
Speed (m/s)	0.018	0.018
Force (N)	1500	1500
Work cycle (cycles/hour)	30	30
DIMENSIONAL AND GENERAL DATA		
Protection level (IP)	44	44
Working temp. (°C Min/Max)	-20 ÷ +50	-20 ÷ +50
Dimensions (mm)	770x98x95 h	920x98x95 h
Weight (kg)	6	6

UTILISATION LIMITS

DIMENSIONS WG2024

SOLEMYO | **OPERA** | **BLUEBUS** | **24V**
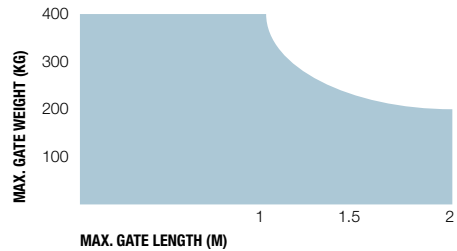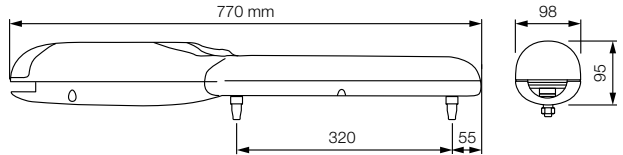
Wingo HS

For hi-speed automation of swing gates with leaves up to 3 m or 200 Kg

Ideal for residential applications.

24 Vdc, electromechanical gear motor, surface mounted, with magnetic encoder.

Ó **Quick manoeuvres**: 90° opening in about 10* seconds.

Oz Kit

Oz Kit 1
- motor x 1
- control unit x 1
- receiver x 1
- two channel remotes x 2

Oz Kit 2
- motor x 2
- control unit x 1
- receiver x 1
- two channel remotes x 2

Reliable: the magnetic encoder ensures the safeguard of set values over time and precise obstacle detection.

Silent: patented layout of internal parts, fewer moving parts.
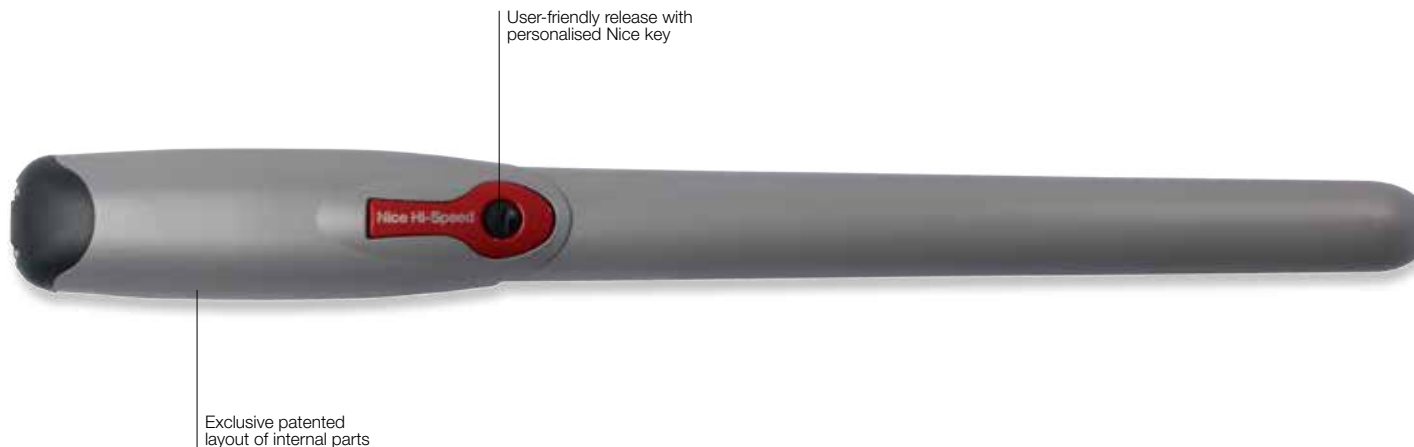
Easy to install: after the gear motor has been assembled, all electrical connections are made from above.

Pre-assembled travel stops on opening.

Moonclever MC824H control unit:
- simple programming, by means of a single key;
- automatic memorisation of limit switches on opening and closing with self-learning function;
- automatic fault diagnostics;
- programming of pause time;
- pedestrian pass door;
- deceleration on opening and closing;
- obstacle detection with dual technology;
- operation in event of power failure by means of optional rechargeable batteries (PS324);
- provision for connection of latest generation resistive sensitive edges.

* Considering standard installation, excluding acceleration and deceleration.

User-friendly release with personalised Nice key

Exclusive patented layout of internal parts

COMMON ACCESSORIES

IBT4N
Interface for connecting the O-View programming unit.

Pc./Pack 1

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone. (Not compatible with the Solemyo kit and battery backup.)

Pc./Pack 1

PS324
24 V battery with integrated battery charger.

Pc./Pack 1

PLA14
Screw-adjustable rear bracket.

Pc./Pack 2

PLA15
Screw-adjustable front bracket.

Pc./Pack 2

PLA10
Vertical 12 V electric lock.

Pc./Pack 1

PLA11
Horizontal 12 V electric lock.

Pc./Pack 1

PLA13
Mechanical travel stops for closing and opening manoeuvres.

Pc./Pack 4

SOLEMYO KIT
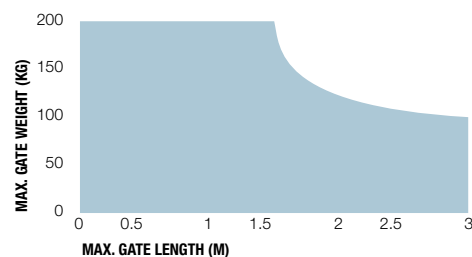The solar power to automate gates, garage doors or barrier gates.

TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
WG3524HS	Irreversible, 24 Vdc, fast, with magnetic encoder, mechanical stop on opening and closing	20

Code	WG3524HS
ELECTRICAL DATA	
Power supply (Vdc)	24
Absorption (A)	5
Power (W)	120
PERFORMANCE DATA	
Speed (m/s)	>> 0.04 <<
Force (N)	1500
Work cycle (cycles/hour)	30
DIMENSIONAL AND GENERAL DATA	
Protection level (IP)	44
Working temp. (°C Min/Max)	-20 ÷ +50
Dimensions (mm)	920x98x95 h
Weight (kg)	6

UTILISATION LIMITS

MAX. GATE WEIGHT (KG) vs MAX. GATE LENGTH (M)

DIMENSIONS

920 mm — 470 — 55 — 98 — 95

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

	control unit/receiver							transmitter				photocells											flashing light		
Code	MC200 / Built-in*	MC800 / OXI	DPRO500 / OXI-SMXI*	A924 / FLOXI2R*	MC424L / Built-in*	MC824H / OXI	MC824HR / OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	EPMOW	F210	FT210	F210B	FT210B	ELAC	ELDC	WLT
WG3524HS						•		•	•	•	•				•	•	•	•			•			•	•

* Radio receiver incompatible with Opera system

| OZ KIT | SOLEMYO | OPERA | BLUEBUS | 24V |

Oltre 1824

For swing gates with leaves up to 1.8 m and 100 kg

Concealed motor for swing gates.

24 Vdc irreversible electromechanical gear motor.

Minimum visual impact: the motor is small enough to be easily installed inside the profiles of the gate leaf or in very slim posts (with a minimum diameter of 55 mm).

Oz Kit

Oz Kit 1	• motor x 1
	• MC824L control unit x 1
	• receiver x 1
	• two channel remote x 2
Oz Kit 2	• motor x 2
	• MC824L control unit x 1
	• receiver x 1
	• two channel remote x 2

Easy to install: the bottom-up installation simplifies fixing of the motor inside the post.

Resistant: die-cast aluminium structure, IP67, resists the most severe weather conditions.

Quick and reliable: complete opening (90°) of the leaf in about 10 seconds. Oltre has been tested for use at 60 cycles/hour, making it suitable for all contexts with intensive use.

Safe: easy-to-use external manual release: the gate can always be opened manually, without having to take it apart.

Dedicated Moonclever MC824L control unit:

- easy to programme;
- automatic memorisation of limit switches on opening and closing with self-learning function;
- automatic fault diagnostics;
- programming of pause time;
- pedestrian pass door;
- deceleration on opening and closing;
- obstacle detection with dual technology;
- operation in event of power failure by means of optional rechargeable batteries (PS324);
- provision for connection of resistive sensitive edges.

The position of the gear motor protects it from rain and infiltrations

Practical bracket for precise motor positioning

COMMON ACCESSORIES

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone. (Not compatible with the Solemyo kit and battery backup.)

Pc./Pack 1

PS324
24 V battery with integrated battery charger.

Pc./Pack 1

PLA10
Vertical 12 V electric lock.

Pc./Pack 1

PLA11
Horizontal 12 V electric lock.

Pc./Pack 1

TS
Signboard.

Pc./Pack 1

SOLEMYO KIT
The solar power to automate gates, garage doors or barrier gates.
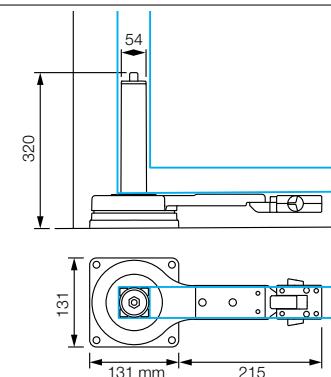
See page 140.

TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
OLTRE1824	24 Vdc irreversible for installation on post or leaf profile, with release lever	20

Code	OLTRE1824
ELECTRICAL DATA	
Power supply (Vdc)	24
Absorption (A)	1
Power (W)	25
PERFORMANCE DATA	
Speed (rpm)	1.5
Torque (Nm)	150
Work cycle (cycles/hour)	60
DIMENSIONAL AND GENERAL DATA	
Protection level (IP)	67
Working temp. (°C Min/Max)	-20 ÷ +50
Dimensions (mm)	305x145x346 h
Weight (kg)	5.5

DIMENSIONS

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

Code	control unit/receiver								transmitter				photocells											flashing light		
	MC200 / Built-in*	MC800 / OXI	DPRO500 / OXI-SMXI*	A924 / FLOXI2R*	MC424L / Built-in*	MC824H / OXI	MC824HR / OXI	MC824L / OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	EPMOW	F210	FT210	F210B	FT210B	ELAC	ELDC	WLT
OLTRE1824						•		•	•	•	•	•				•	•	•	•				•		•	•

* Radio receiver incompatible with Opera system

SOLEMYO | OPERA | BLUEBUS | 24V

Walkykit 1024

For swing gates with leaves up to 1.8 m

Especially suited to gates in wood or PVC.

Irreversible electromechanical gear motor at 24 Vdc, with articulated arm.

Ultra compact: ideal for pedestrian gates, recommended for small posts (width 8 cm).

Safe: thanks to the irreversible motor and anti-shear arm with built-in mechanical stop on closure (with installation of entire arm).

Practical: the articulated arm enables installation in specific conditions, such as in the presence of small walls or obstacles adjacent to the post.

Quick: no waiting in front of the gate, just 7 seconds to open or close (in optimal installation conditions, with reduced arm and 90° opening).

Convenient: incorporable flashing Led indicator, with courtesy light function (WLT, optional); rapid motor release for manual movement of the gate.

Built-in control unit:
- simple programming;
- automatic memorisation of limit switches on opening and closing with self-learning function;
- automatic fault diagnostics;
- programming of pause time;
- pedestrian pass door;
- deceleration on opening and closing;
- provision for connection of latest generation resistive sensitive edges.

No black out: with the optional batteries (PS424) housed inside the gear motor.

The kit contains:

WL1024C
1 Electromechanical gear motor, surface mounted, with built-in control unit and OXI plug-in receiver.

ON2E
1 Transmitter 433.92 MHz, 2 channels.

TS
1 Signboard.

COMMON ACCESSORIES

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone. (Not compatible with the Solemyo kit and battery backup.)

WLA1
Spare control unit, for WL1024C.

Pc./Pack 1

PS424
Buffer battery.

Pc./Pack 1

PLA10
Vertical 12 V electric lock.

Pc./Pack 1

PLA11
Horizontal 12 V electric lock.

Pc./Pack 1

WLT
Multi-function LED indicator. See page 211.

Pc./Pack 1

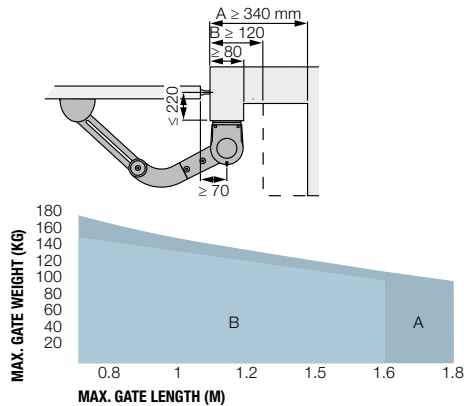**SOLEMYO KIT**
The solar power to automate gates, garage doors or barrier gates.

See page 140.

TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
WALKY1024KCE	Kit for swing gates with leaves up to 1.8 m, 24 Vdc, surface mounted	18

N.B. The content of the package may vary: consult the retailer.

Code	WL1024C
ELECTRICAL DATA	
Power supply (Vac 50/60 Hz)	230
Absorption (A)	0.8
Power (W)	120
PERFORMANCE DATA	
Speed (rpm)	1.5 - 2.2
Torque (Nm)	120
Work cycle (cycles/hour)	50
DIMENSIONAL AND GENERAL DATA	
Protection level (IP)	44
Working temp. (°C Min/Max)	-20 ÷ +50
Dimensions (mm)	90x125x385 h
Weight (kg)	4.8

UTILISATION LIMITS

A ≥ 340 mm
B ≥ 120
≥ 80
≤ 220
≥ 70

MAX. GATE WEIGHT (KG)
180 160 140 120 100 80 60 40 20

B   A

0.8   1   1.2   1.5   1.6   1.8
MAX. GATE LENGTH (M)
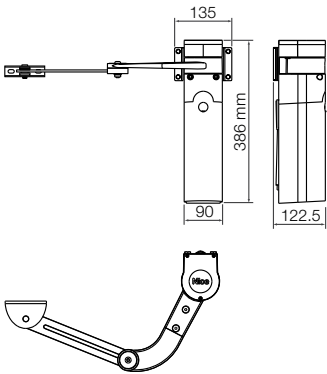
A Entire arm - **B** Reduced arm

The shape, the height of the gate and the weather conditions can considerably reduce the values shown in the graph to the side.

DIMENSIONS

135
386 mm
90
122.5

SOLEMYO   OPERA   BLUEBUS   24V

Walkykit 2024

For swing gates with leaves up to 1.8 m

Especially suited to gates in wood or PVC.

Irreversible electromechanical gear motor at 24 Vdc, with articulated arm.

Ultra compact: ideal for pedestrian gates, recommended for small posts (width 8 cm).

Safe: thanks to the irreversible motor and anti-shear arm with built-in mechanical stop on closure (with installation of entire arm).

Practical: the articulated arm enables installation in specific conditions, such as in the presence of small walls or obstacles adjacent to the post.

Quick: no waiting in front of the gate, just 7 seconds to open or close (in optimal installation conditions, with reduced arm and 90° opening).

Convenient: incorporable flashing Led indicator, with courtesy light function (WLT, optional); rapid motor release for manual movement of the gate.

Built-in control unit:

- simple programming;
- automatic memorisation of limit switches on opening and closing with self-learning function;
- automatic fault diagnostics;
- programming of pause time;
- pedestrian pass door;
- deceleration on opening and closing;
- provision for connection of latest generation resistive sensitive edges.

No black out: with the optional batteries (PS424) housed inside the gear motor.

The Era Gate accessories, with a minimal, modern and discreet design, renovate Nice kits' style and performance.

Discover the complete range at page 119.

The kit contains:

WL1024C + WL1024
2 Electromechanical gear motors, surface mounted WL1024C (with control unit and OXI plug-in receiver), WL1024 (without control unit).

ON3EBD
1 Transmitter 433.92 MHz,3 channels.

EPMB
1 Couple of external photocells designed for connection by Nice BlueBUS.

EKS
1 Key selector switch for outdoor installation.

WLT
1 Flashing light.

TS
1 Signboard.

COMMON ACCESSORIES

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone. (Not compatible with the Solemyo kit and battery backup.)

WLA1
Spare control unit, for WL1024C.

Pc./Pack 1

PS424
Buffer battery.

Pc./Pack 1

PLA10
Vertical 12 V electric lock.

Pc./Pack 1

PLA11
Horizontal 12 V electric lock.

Pc./Pack 1

WLT
Multi-function LED indicator. See page 211.

Pc./Pack 1

SOLEMYO KIT
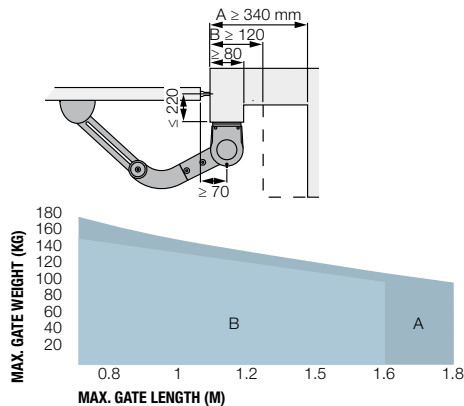The solar power to automate gates, garage doors or barrier gates.

See page 140.

TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
WALKY2024KCE	Kit for swing gates with leaves up to 1.8 m, 24 Vdc, with articulated arm, surface mounted	18

N.B. The content of the package may vary: consult the retailer.

Code	WL1024C	WL1024
ELECTRICAL DATA		
Power supply (Vac 50/60 Hz)	230	-
Power supply (Vdc)	-	24
Absorption (A)	0.8	2
Power (W)	120	30
PERFORMANCE DATA		
Speed (rpm)	1.5 - 2.2	
Torque (Nm)	120	
Work cycle (cycles/hour)	50	
DIMENSIONAL AND GENERAL DATA		
Protection level (IP)	44	
Working temp. (°C Min/Max)	-20 ÷ +50	
Dimensions (mm)	90x125x385 h	
Weight (kg)	4.8	4.3

UTILISATION LIMITS

A ≥ 340 mm
B ≥ 120
≥ 80
≤ 220
≥ 70

MAX. GATE WEIGHT (KG)
180 160 140 120 100 80 60 40 20
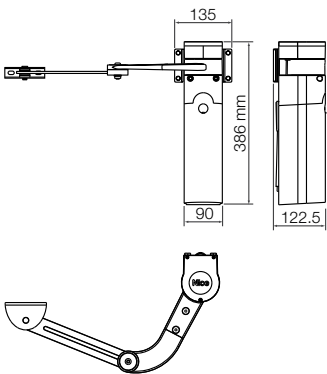
MAX. GATE LENGTH (M)
0.8   1   1.2   1.5   1.6   1.8

B   A

A Entire arm - **B** Reduced arm

The shape, the height of the gate and the weather conditions can considerably reduce the values shown in the graph to the side.
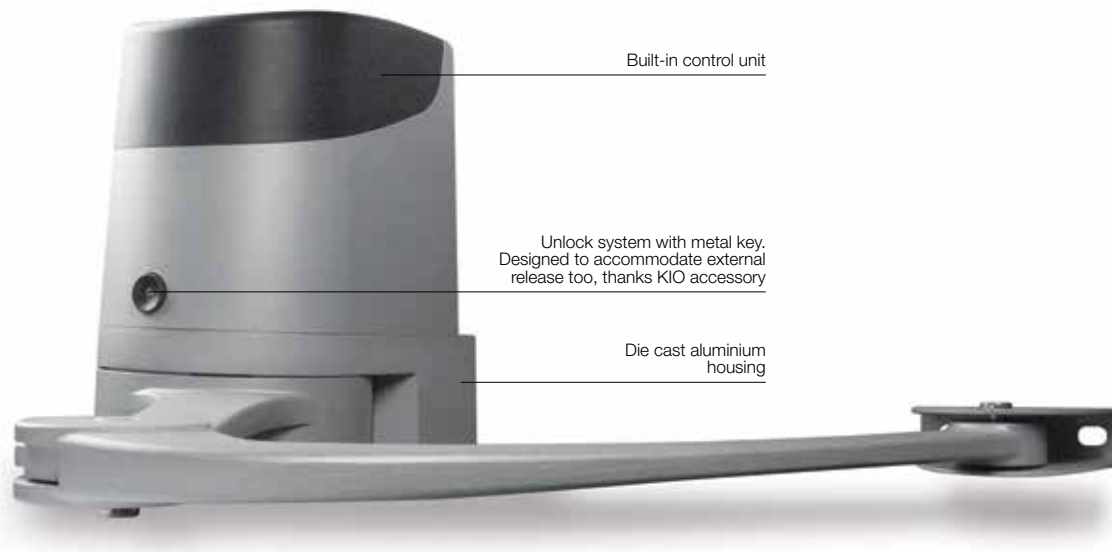
DIMENSIONS

135
386 mm
90
122.5

Hopp

For swing gates with leaves up to 2.4 m, ideal for large columns

Ideal for intensive use.

Irreversible electromechanical 24 Vdc gear motor with articulated arm, surface mounted.

Two irreversible 24 Vdc versions with micrometric adjustment mechanical stops on opening and closing: with built-in control unit (HO7124) and without control unit (HO7224).

Powerful thanks to the 250 Nm torque.

Resistant and compact: 180 mm in width, ideal for any kind of post. Small shockproof body with aluminium base.

Oz Kit

Oz Kit 1	• motor x 1
	• receiver x 1
	• two channel remote x 2
Oz Kit 2	• motor x 2
	• receiver x 1
	• two channel remote x 2

Sturdy, aluminium anti-shearing arm.

Easy to install: thanks to the new fixing bracket with quick connector for the motor. No welding.

Sophisticated electronics with the built-in control unit, ust 3 keys to manage all programming operations:

- obstacle detection;
- automatic fault diagnostics;
- automatic memorisation of limit switches on opening and closing with self-learning function;
- possibility of configuring the stop input in self-learning mode, NO, NC and the latest generation 8.2 KOhm resistive sensitive edges;
- deceleration on opening and closing;
- simple connection of pairs of additional photocells;
- programming of pause time;
- pedestrian open and partial open;
- clutch with anti-crush safety feature.

Energy saving with no black outs: 3 standby modes to reduce mains consumption, or battery power consumption if connected to the Solemyo kit. Operation in the event of a power failure thanks to the optional batteries (PS124).

Everything under control: thanks to compatibility for operation with Opera BUS T4, the unit O-View can be used to expand the options of programming, control and diagnostics of the automation on site and remotely.

Built-in control unit

Unlock system with metal key. Designed to accommodate external release too, thanks KIO accessory

Die cast aluminium housing

COMMON ACCESSORIES

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone. (Not compatible with the Solemyo kit and battery backup.)

POA3
Spare control unit for HO7124,

Pc./Pack 1

PS124
24 V battery with integrated battery charger.

Pc./Pack 1

PLA10
Vertical 12 V electric lock.

Pc./Pack 1

PLA11
Horizontal 12 V electric lock.

Pc./Pack 1

KIO
Key-operated selector switch for low voltage contacts, with release mechanism for metal cord.

Pc./Pack 1

KA1
6 m cable release kit for KIO.

Pc./Pack 1

TS
Signboard.

Pc./Pack 1

SOLEMYO KIT
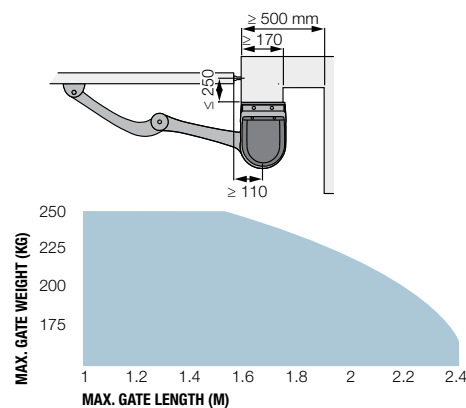The solar power to automate gates, garage doors or barrier gates.

See page 140.

TECHNICAL SPECIFICATIONS

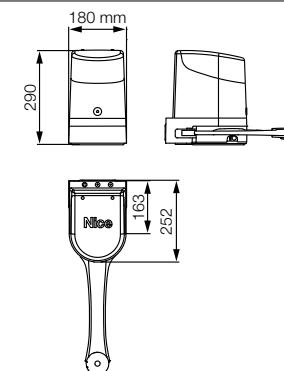| Code	Description	Pack/Pallet
HO7124	Irreversible 24 Vdc, complete with articulated arm and built-in control unit	12
HO7224	Irreversible 24 Vdc, complete with articulated arm without control unit	12

Code	H07124	H07224
ELECTRICAL DATA		
Power supply (Vac 50/60 Hz)	230	-
Power supply (Vdc)	-	24
Absorption (A)	1.3	4
Power (W)	280	100
PERFORMANCE DATA		
Speed (rpm)	1.68	
Torque (Nm)	250	
Work cycle (cycles/hour)	35	
DIMENSIONAL AND GENERAL DATA		
Protection level (IP)	54	
Working temp. (°C Min/Max)	-20 ÷ +50	
Dimensions (mm)	252x180x290 h	
Weight (kg)	9	6.5

UTILISATION LIMITS

The shape, the height of the gate and the weather conditions can considerably reduce the values shown in the graph to the side.

DIMENSIONS

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

	receiver		transmitter				photocells											flashing light		
Code	Built-in*	OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	EPMOW	F210	FT210	F210B	FT210B	ELAC	ELDC	WLT
HO7124		•	•	•	•	•				•	•	•	•			•			•	•

* Radio receiver incompatible with Opera system

Hyke HS

For hi-speed automation of swing gates with leaves up to 3 m or 270 Kg

Ideal for residential applications even with large columns.

24 Vdc electromechanical gear motor with articulated arm, surface mounted, with magnetic encoder.

ó **Ideal for intensive use and quick manoeuvres**: 90° opening in about 10* seconds.

Oz Kit

Oz Kit 1
- motor x 1
- receiver x 1
- two channel remote x 2

Oz Kit 2
- motor x 2
- receiver x 1
- two channel remote x 2

Ultra-powerful and reliable: thanks to the torque of 500 Nm and encoder technology, for millimetric precision and reliability.

Safe movement: dual technology obstacle detection.

Sturdy: thanks to the housing in aluminium with polyester paint finish, resistant to atmospheric agents.

Two irreversible 24 Vdc versions with limit switches on opening and closing: with built-in control unit (HK70240) and without control unit (HK7224).

Practical and quick installation: the articulated arm is adjustable in length for maximum flexibility.

Simple and precise limit switch adjustment: mechanical stops and micrometric adjustment screws.

No black out: with the optional batteries (PS124) housed inside the gear motor.

Built-in control unit (HK7024):
- simple programming, by means of a single key;
- automatic memorisation of limit switches on opening and closing with self-learning function;
- automatic fault diagnostics;
- programming of pause time;
- pedestrian pass door;
- deceleration on opening and closing;
- obstacle detection with dual technology;
- provision for connection of latest generation resistive sensitive edges.

* Considering standard installation, excluding acceleration and deceleration.

Built-in control unit

Practical and resistant release handle

Die cast aluminium housing

Adjustable anti-crushing arm

COMMON ACCESSORIES

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone. (Not compatible with the Solemyo kit and battery backup.)

HKA2
Spare control unit for HK7024HS,

Pc./Pack 1

PS124
24 V battery with integrated battery charger.

Pc./Pack 1

PLA10
Vertical 12 V electric lock.

Pc./Pack 1

PLA11
Horizontal 12 V electric lock.

Pc./Pack 1

KIO
Key-operated selector switch for low voltage contacts, with release mechanism for metal cord.

Pc./Pack 1

KA1
6 m cable release kit for KIO.

Pc./Pack 1

TS
Signboard.

Pc./Pack 1

SOLEMYO KIT
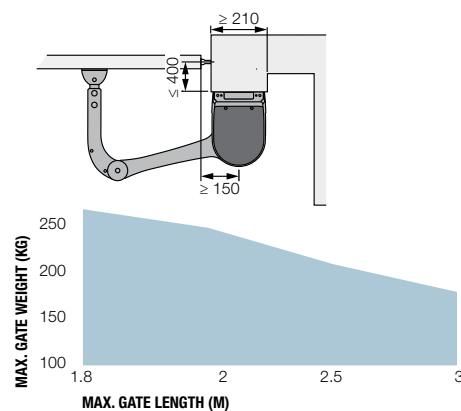The solar power to automate gates, garage doors or barrier gates.

See page 140.

TECHNICAL SPECIFICATIONS

| Code	Description	Pack/Pallet
HK7024HS	Irreversible 24 Vdc, fast, with magnetic encoder, complete with articulated arm and built-in control unit	12
HK7224HS	Irreversible 24 Vdc, fast, complete with articulated arm without control unit	12

Code	HK7024HS	HK7224HS
ELECTRICAL DATA		
Power supply (Vac 50/60 Hz)	230	-
Power supply (Vdc)	-	24
Absorption (A)	1.5	6
Power (W)	300	140
PERFORMANCE DATA		
Speed (rpm)	>> 2 <<	
Torque (Nm)	500	
Work cycle (cycles/hour)	40	
DIMENSIONAL AND GENERAL DATA		
Protection level (IP)	54	
Working temp. (°C Min/Max)	-20 ÷ +50	
Dimensions (mm)	290x210x320 h	
Weight (kg)	10.5	9.5

UTILISATION LIMITS

≥ 210
≤ 400
≥ 150

MAX. GATE WEIGHT (KG)
250
200
150
100

MAX. GATE LENGTH (M)
1.8   2   2.5   3

The shape, the height of the gate and the weather conditions can considerably reduce the values shown in the graph to the side.

DIMENSIONS

210 mm
320
665
290
480
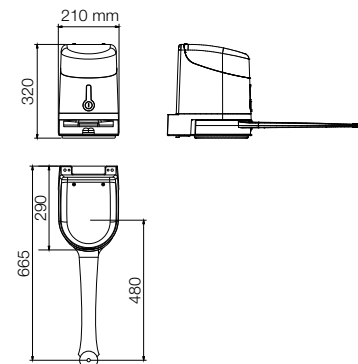
COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

	receiver		transmitter				photocells											flashing light		
Code	Built-in*	OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	EPMOW	F210	FT210	F210B	FT210B	ELAC	ELDC	WLT
HK7024HS		•	•	•	•	•				•	•	•	•			•			•	•

* Radio receiver incompatible with Opera system

| OZ KIT | SOLEMYO | OPERA | BLUEBUS | 24V |

S-Fab

For swing gates with leaves up to 2.3 m, underground installation, ultra compact

Irreversible electromechanical 24 Vdc gear motor, ideal for intensive use

Sturdy and discreet: compact foundation box with a height of only 81 mm.

Steel with cataphoresis paint finish guarantees optimal resistance to corrosion, and thickness of 2.5 mm guarantees strength. Protrudes only 52mm above the ground.

Practical and quick installation: thanks to the exit lever on the gear motor attached directly on the leaf.

Opening up to 180° as standard.

Oz Kit

Oz Kit 1
- motor x 1
- control unit x 1
- receiver x 1
- two channel remote x 2

Oz Kit 2
- motor x 2
- control unit x 1
- receiver x 1
- two channel remote x 2

Foundation box with cataphoresis paint finish

Waterproof, with IP67 protection rating

Reliable and sturdy: the gear motor, in IP67 pressure die cast aluminium, suspended inside the housing to enable drainage of any deposits, ensures optimal water resistance.

Load-bearing foundation box with adjustable mechanical stops on opening and closing. The gear motor can also be installed later as required.

Practical release easy to operate from inside and outside, acting directly on the gear motor, easy to operate by means of the special key.

SFAB2024, compatible with the control unit Moonclever MC424L, and for operation with Solemyo and Opera systems:
- built-in radio receiver;
- simple programming, by means of a single key;
- automatic memorisation of limit switches on opening and closing with self-learning function;
- programming of pause time;
- pedestrian pass door;
- deceleration on opening and closing;
- obstacle detection system;
- provision for connection of latest generation resistive sensitive edges;
- operation in event of power failure by means of optional rechargeable batteries (PS124) with compartment in control unit.

SFAB2124 with magnetic encoder, compatible with control unit Moonclever MC824H, with BlueBUS technology, and compatible for operation with Solemyo and Opera systems:
- simple programming, by means of a single key;
- automatic memorisation of limit switches on opening and closing with self-learning function;
- automatic fault diagnostics;
- with output for courtesy light and maintenance indicator;
- speed settings on 5 levels;
- separate and configurable inputs for Step by Step, Open and Close;
- programming of pause time;
- pedestrian pass door;
- deceleration on opening and closing;
- obstacle detection with dual technology;
- provision for connection of latest generation resistive sensitive edges;
- operation in event of power failure by means of optional rechargeable batteries (PS324).

COMMON ACCESSORIES

IBT4N
Interface for connecting the O-View programming unit.

Pc./Pack 1

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone. (Not compatible with the Solemyo kit and battery backup.)

PS124
24 V battery with integrated battery charger.

Pc./Pack 1

PS324
24 V battery with integrated battery charger.

Pc./Pack 1

PLA10
Vertical 12 V electric lock.

Pc./Pack 1

PLA11
Horizontal 12 V electric lock.

Pc./Pack 1

TS
Signboard.

Pc./Pack 1

SOLEMYO KIT
The solar power to automate gates, garage doors or barrier gates.
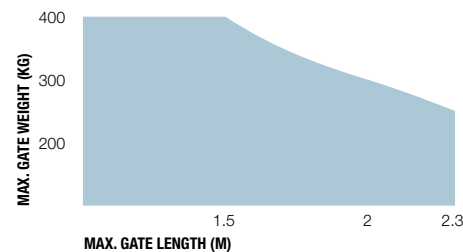
See page 140.

TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
SFAB2024	Irreversible, 24 Vdc	18
SFAB2124	Irreversible 24 Vdc version with magnetic encoder	18
SFABBOX	Externally foundation box, with cataphoresis paint finish. Complete with leaf coupling lever and mechanical stops on opening and closing	18

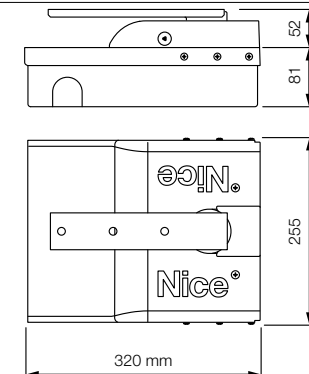| Code	SFAB2024	SFAB2124
ELECTRICAL DATA		
Power supply (Vdc)	24	
Absorption (A)	5	
Power (W)	120	
PERFORMANCE DATA		
Speed (rpm)	1.25	
Torque (Nm)	250	
Work cycle (cycles/hour)*	60	
DIMENSIONAL AND GENERAL DATA		
Protection level (IP)	67	
Working temp. (°C Min/Max)	-20 ÷ +50	
Dimensions (mm)	235x206x96.5 h	
Weight (kg)	6	

* The indicated value has to be halved if the opening is up to 180°

UTILISATION LIMITS

The shape, the height of the gate and the weather conditions can considerably reduce the values shown in the graph to the side.

DIMENSIONS

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

Code	control unit/receiver							transmitter				photocells											flashing light		
	MC200 / Built-in*	MC800 / OXI	DPRO500 / OXI-SMXI*	A924 / FLOXI2R*	MC424L / Built-in*	MC824H / OXI	MC824HR / OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	EPMOW	F210	FT210	F210B	FT210B	ELAC	ELDC	WLT
SFAB2024					•			•	•	•		•	•	•					•	•				•	
SFAB2124						•		•	•	•	•				•	•	•	•			•				•

* Radio receiver incompatible with Opera system

Nice

M-Fab

For swing gates with leaves up to 3 m, underground installation

Irreversible electromechanical gear motor, also available in 24 Vdc versions with magnetic encoder.

3 types of electromechanical gear motors M-Fab.

Foundation boxes externally chamfered, Fab Box, with mechanical stop on opening:

- **in stainless steel** (MFABBOXI), ideal for use in extreme conditions;
- **with the cataphoresis paint finish** (MFABBOX), highly resistant to corrosion.

Reliable and resistant: motors made up of solid internal parts in metal. New IP67 waterproof die cast aluminium.

Oz Kit

Oz Kit 1	• motor x 1
	• control unit x 1
	• receiver x 1
	• two channel remote x 2
	• foundation box x 1
	• unlock system x 1
Oz Kit 2	• motor x 2
	• control unit x 1
	• receiver x 1
	• two channel remote x 2
	• foundation box x 2
	• unlock system x 2

Total freedom of choice: release from inside and outside, two key-operated models or freely compatible lever version and easily activated with just one hand.

Simple to use: mechanical stop system on closure. Standard opening max. 110°, optional opening 360°.

Totally compatible with the previous Metro series.

Recommended control units: Moonclever MC800 for MFAB3000 and MFAB3000L; Moonclever MC824H for MFAB3024.

24 Vdc version with magnetic encoder.

Perfect for intensive use, compatible with the control unit Moonclever MC824H:

- simple programming, by means of a single key;
- automatic memorisation of limit switches on opening and closing with self-learning function;
- automatic fault diagnostics;
- programming of pause time;
- pedestrian pass door;
- deceleration on opening and closing;
- obstacle detection with dual technology;
- operation in event of power failure by means of optional rechargeable batteries (PS324);
- provision for connection of latest generation resistive sensitive edges.
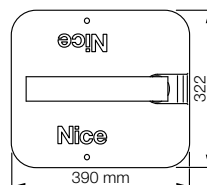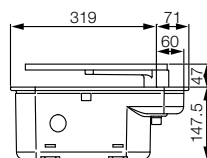
Even more reliabile and resistent

Waterproof, with IP67 protection rating

Externally chamfered FAB BOX

DIMENSIONS

319 71
60
47
147.5
322
390 mm

UTILISATION LIMITS

MAX. GATE WEIGHT (KG)
600
500
400
300

2.5   3

MAX. GATE LENGTH (M)

The shape, the height of the gate and the weather conditions can considerably reduce the values shown in the graph to the side.

Use in windy areas 230 Vac models.

COMMON ACCESSORIES

IBT4N
Interface for connecting the O-View programming unit.

Pc./Pack 1

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone. (Not compatible with the Solemyo kit and battery backup.)

Pc./Pack 1

PS324
24 V battery with integrated battery charger.

Pc./Pack 1

MEA2
Key unlock system.

Pc./Pack 1

MEA3
Lever-type key unlock system to use when system is installed on surfaces such as sand or earth.

Pc./Pack 1

MEA5
Lever-type unlock key.

Pc./Pack 4

MEA6
Limit switch bracket, for installations where box embedding in concrete is not possible.

Pc./Pack 4

MEA1
Accessory for opening up to 360° for gates max. 2.5 m in length.

Pc./Pack 4

PLA10
Vertical 12 V electric lock.

Pc./Pack 1

PLA11
Horizontal 12 V electric lock.

Pc./Pack 1

TS
Signboard.

Pc./Pack 1

SOLEMYO KIT
The solar power to automate gates, garage doors or barrier gates.

See page 140.

TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
MFAB3024	Irreversible, 24 Vdc, with magnetic encoder, complete with connecting lever and mechanical stop for the closing manoeuvre	18
MFAB3000	Irreversible, 230 Vac, increased speed, grease lubrication, complete with connecting lever and mechanical stop for the closing manoeuvre	18
MFAB3000L	Irreversible, 230 Vac, cruising speed, grease lubrication, complete with connecting lever and mechanical stop for the closing manoeuvre	18

Code	Description	Pack/Pallet
MFABBOXI	Externally chamfered foundation box in stainless steel with mechanical stop on opening	20
MFABBOX	Externally chamfered foundation box with cataphoresis finish with mechanical stop on opening	20

Note: key release mechanism, freely compatible with selection of models MEA2 and MEA3 motor.

Code	MFAB3024	MFAB3000	MFAB3000L
ELECTRICAL DATA			
Power supply (Vac 50 Hz)*	-	230	
Power supply (Vdc)	24	-	
Absorption (A)	5	1.2	1.3
Power (W)	120	250	300
PERFORMANCE DATA			
Speed (rpm)	1.4	1.14	0.8
Torque (Nm)	250	300	250
Work cycle (cycles/hour)**	76	30	20
DIMENSIONAL AND GENERAL DATA			
Protection level (IP)	67		
Working temp. (°C Min/Max)	-20 ÷ +50		
Dimensions (mm)	390x322x194.5 h		
Weight (kg)	11		

* 60 Hz version available on request. **The indicated value has to be halved if the opening is up to 180°.

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

Code	MC200 / Built-in*	MC800 / OXI	DPRO500 / OXI-SMXI*	A924 / FLOXI2R*	MC424L / Built-in*	MC824H / OXI	MC824HR / OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	EPMOW	F210	FT210	F210B	FT210B	ELAC	ELDC	WLT
	control unit/receiver							transmitter				photocells											flashing light		
MFAB3024						•		•	•	•	•				•	•	•	•			•			•	•
MFAB3000		•						•	•	•	•	•	•	•					•	•			•		
MFAB3000L		•						•	•	•	•	•	•	•					•	•			•		

* Radio receiver incompatible with Opera system

| OZ KIT | SOLEMYO | OPERA | BLUEBUS | 24V |

M-Fab HS

For hi-speed automation of swing gates with leaves up to 3 m or 300 Kg

Underground installation, ideal for residential applications.

24 Vdc electromechanical gear motor, with magnetic encoder.

Ó **Ideal for intensive use and quick manoeuvres**: 90° opening in about 8* seconds.

Foundation boxes externally chamfered, Fab Box with mechanical stop on opening:

- **in stainless steel** (MFABBOXI), ideal for use in extreme conditions;
- **with the cataphoresis paint finish** (MFABBOX), highly resistant to corrosion.

Reliable and resistant: motors made up of solid internal parts in metal. New IP67 waterproof die cast aluminium.

Total freedom of choice: release from inside and outside, two key-operated models or freely compatible lever version and easily activated with just one hand.
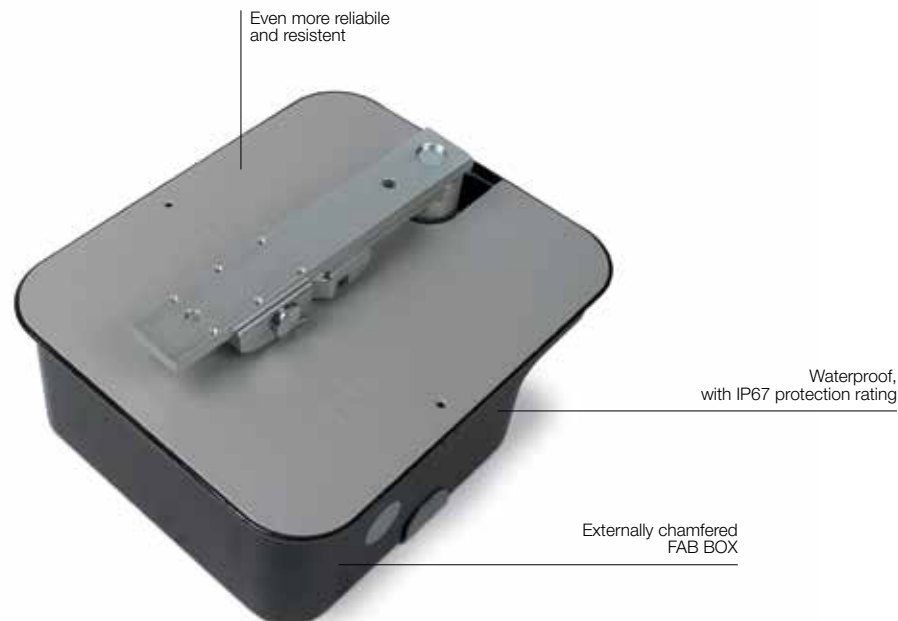
Simple installation: mechanical stop system on closure. Standard opening max. 110°, optional opening 360°.

Totally compatible with the previous Metro series.

Mooonclever MC824H control unit:

- simple programming, by means of a single key;
- automatic memorisation of limit switches on opening and closing with self-learning function;
- automatic fault diagnostics;
- programming of pause time;
- pedestrian pass door;
- deceleration on opening and closing;
- obstacle detection with dual technology;
- operation in event of power failure by means of optional rechargeable batteries (PS324);
- provision for connection of latest generation resistive sensitive edges.

* Considering standard installation, excluding acceleration and deceleration.

Even more reliabile and resistent

Waterproof, with IP67 protection rating

Externally chamfered FAB BOX

COMMON ACCESSORIES

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone. (Not compatible with the Solemyo kit and battery backup.)

Pc./Pack 1

PS324
24 V battery with integrated battery charger.

Pc./Pack 1

MEA2
Key unlock system.

Pc./Pack 1

MEA3
Lever-type key unlock system to use when system is installed on surfaces such as sand or earth.

Pc./Pack 1

MEA5
Lever-type unlock key.

Pc./Pack 4

MEA6
Limit switch bracket, for installations where box embedding in concrete is not possible.

Pc./Pack 4

MEA1
Accessory for opening up to 360° for gates max. 2.5 m in length.

Pc./Pack 4

PLA10
Vertical 12 V electric lock.

Pc./Pack 1

PLA11
Horizontal 12 V electric lock.

Pc./Pack 1

TS
Signboard.

Pc./Pack 1

SOLEMYO KIT
The solar power to automate gates, garage doors or barrier gates.

See page 140.

TECHNICAL SPECIFICATIONS

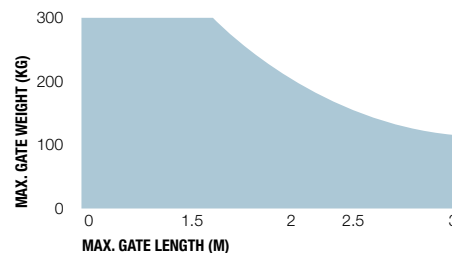| Code	Description	Pack/Pallet
MFAB3024HS	Irreversible 24 Vdc, fast, with magnetic encoder, complete with connecting lever and mechanical stop for the closing manoeuvre	18

Code	Description	Pack/Pallet
MFABBOXI	Externally chamfered foundation box in stainless steel with mechanical stop on opening	20
MFABBOX	Externally chamfered foundation box with cataphoresis finish with mechanical stop on opening	20

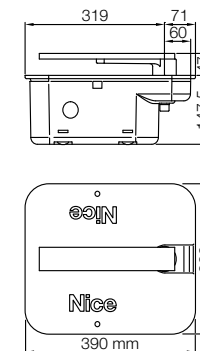**Note:** key release mechanism, freely compatible with selection of models MEA2 and MEA3 motor.

Code	MFAB3024HS
ELECTRICAL DATA	
Power supply (Vdc)	24
Absorption (A)	6
Power (W)	170
PERFORMANCE DATA	
Speed (rpm)	>> 2.6 <<
Torque (Nm)	180
Work cycle (cycles/hour)	80
DIMENSIONAL AND GENERAL DATA	
Protection level (IP)	67
Working temp. (°C Min/Max)	-20 ÷ +50
Dimensions (mm)	390x322x194 h
Weight (kg)	11

UTILISATION LIMITS

MAX. GATE WEIGHT (KG) / MAX. GATE LENGTH (M)

The shape, the height of the gate and the weather conditions can considerably reduce the values shown in the graph to the side.

DIMENSIONS

319 71 60 47 147.5 322 390 mm

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

Code	control unit/receiver							transmitter				photocells												flashing light		
	MC200 / Built-in*	MC800 / OXI	DPRO500 / OXI-SMXI*	A924 / FLOXI2R*	MC424L / Built-in*	MC824H / OXI	MC824HR / OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	EPMOW	F210	FT210	F210B	FT210B	ELAC	ELDC	WLT
MFAB3024HS						•		•	•	•	•				•	•	•	•			•			•	•

* Radio receiver incompatible with Opera system

Nice

L-Fab

For swing gates with leaves up to 4 m, underground installation

Irreversible electromechanical gear motor, also available in 24 Vdc versions with magnetic encoder and mechanical stop.

Foundation boxes with mechanical stop on opening:
- **in stainless steel** (LFABBOX4I), ideal for use in extreme conditions;
- **with the cataphoresis paint finish** (LFABBOX4), highly resistant to corrosion.

⊙ Oz Kit

Oz Kit 1
- motor x 1
- control unit x 1
- receiver x 1
- two channel remote x 2

Oz Kit 2
- motor x 2
- control unit x 1
- receiver x 1
- two channel remote x 2

Total freedom of choice: release from inside and outside, two key-operated models or freely compatible lever version and easily activated with just one hand.
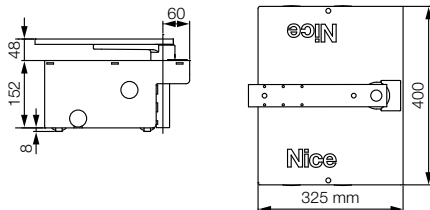
Simple installation: built-in mechanical stop system on closure. Standard opening max. 110°, optional opening 360°.

Ideal for intensive use, LFAB4024 model is compatible with the control unit Moonclever MC824H, with BlueBUS technology, Solemyo and Opera systems:
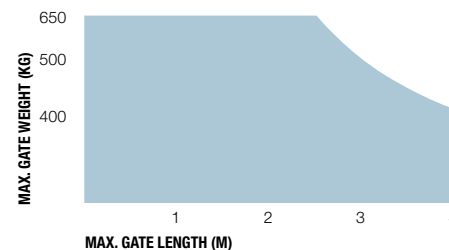- simple programming, by means of a single key;
- automatic memorisation of limit switches on opening and closing with self-learning function;
- automatic fault diagnostics;
- programming of pause time;
- pedestrian pass door;
- deceleration on opening and closing;
- obstacle detection with dual technology;
- operation in event of power failure by means of optional rechargeable batteries (PS324);
- provision for connection of latest generation resistive sensitive edges.

LFAB4000 model is compatible with the control unit Moonclever MC800.

Reliability and resistance

Waterproof, with IP67 protection rating

DIMENSIONS

60
48
152
8
325 mm
400

UTILISATION LIMITS

MAX. GATE WEIGHT (KG)

650
500
400

MAX. GATE LENGTH (M)

1   2   3   4

The shape, the height of the gate and the weather conditions can considerably reduce the values shown in the graph to the side.

Use in windy areas 230 Vac models.

COMMON ACCESSORIES

IBT4N
Interface for connecting the O-View programming unit.

Pc./Pack 1

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone. (Not compatible with the Solemyo kit and battery backup.)

Pc./Pack 1

BMA3
Lever-type key unlock system.

Pc./Pack 1

MEA5
Lever-type unlock key.

Pc./Pack 4

BMA1
Accessory for opening up to 360° for gates max. 3.5 m in length.

Pc./Pack 1

BMA2
Adaptors for a dual motor automation, compatible with the majority of foundation boxes on the market.

Pc./Pack 4

PLA10
Vertical 12 V electric lock (required for gates longer than 3 m).

Pc./Pack 1

PLA11
Horizontal 12 V electric lock (required for gates longer than 3 m).

Pc./Pack 1

TS
Signboard.

Pc./Pack 1

ACCESSORY FOR 24 V VERSION

PS324
24 V battery with integrated battery charger.

Pc./Pack 1

SOLEMYO KIT
The solar power to automate gates, garage doors or barrier gates.

See page 140.

TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
LFAB4000	Irreversible, 24 Vdc, with mechanical stop on closing	18
LFAB4024	Irreversible, 24 Vdc, with magnetic encoder, with mechanical stop on closing	18

Code	Description	Pack/Pallet
LFABBOX4	Electrophoretic painted foundation box with mechanical limit switch in opening. Complete with leaf attachment lever	18
LFABBOX4I	Stainless steel foundation box with mechanical limit switch in opening. Complete with leaf attachment lever	18

Note: key release mechanism, freely compatible with selection of models MEA2 and MEA3 motor.

Code	LFAB4024	LFAB4000
ELECTRICAL DATA		
Power supply (Vac 50 Hz)*	-	230
Power supply (Vdc)	24	-
Absorption (A)	5	1.5
Power (W)	120	340
PERFORMANCE DATA		
Speed (rpm)	1	0.8
Torque (Nm)	300	500
Work cycle (cycles/hour)**	60	20
DIMENSIONAL AND GENERAL DATA		
Protection level (IP)	67	
Working temp. (°C Min/Max)	-20 ÷ +50	
Dimensions (mm)	400x325x152 h	
Weight (kg)	12.5	14.3

* With foundation box. ** The indicated value has to be halved if the opening is up to 180° - by using the BMA1 accessory.

Foundation boxes	LFABBOX4
Weight (kg)	14.4

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

Code	control unit/receiver							transmitter				photocells											flashing light		
	MC200 / Built-in*	MC800 / OXI	DPRO500 / OXI-SMXI*	A924 / FLOXI2R*	MC424L / Built-in*	MC824H / OXI	MC824HR / OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	EPMOW	F210	FT210	F210B	FT210B	ELAC	ELDC	WLT
LFAB4000		•						•	•	•	•	•	•	•					•	•			•		
LFAB4024						•		•	•	•	•				•	•	•	•			•			•	•

* Radio receiver incompatible with Opera system

| NEW | SOLEMYO | OPERA | BLUEBUS | 24V |

L-Fab HS

For hi-speed automation of swing gates with leaves up to 4 m or 400 Kg

Reliability and resistance

Waterproof, with IP67 protection rating

Underground installation.

24 VDC electromechanical gearmotor with magnetic encoder and mechanical stops.

Ó **Ideal for intensive use and quick manoeuvres**: 90° opening in about 6* seconds.

Foundation boxes with mechanical stop on opening:

- **in stainless steel** (LFABBOX4I), ideal for use in extreme conditions;
- **with the cataphoresis paint finish** (LFABBOX4), highly resistant to corrosion.

Total freedom of choice: release from inside or outside, lever operated models, freely combinable and easy to operate with just one hand.

Simple installation: mechanical stop system on closure. Standard opening max. 110°, optional opening 360°.

Ideal for intensive use, LFAB4024HS model is compatible with the control unit Moonclever MC824H, with BlueBUS technology, Solemyo and Opera systems:

- simple programming, by means of a single key;
- automatic memorisation of limit switches on opening and closing with self-learning function;
- automatic fault diagnostics;
- programming of pause time;
- pedestrian pass door;
- deceleration on opening and closing;
- obstacle detection with dual technology;
- operation in event of power failure by means of optional rechargeable batteries (PS324);
- provision for connection of latest generation resistive sensitive edges.

* Considering standard installation, excluding acceleration and deceleration.

COMMON ACCESSORIES

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone (*).

Pc./Pack 1

PS324
24 V battery with integrated battery charger.

Pc./Pack 1

BMA3
Lever-type key unlock system.

Pc./Pack 1

MEA5
Lever-type unlock key.

Pc./Pack 4

BMA1
Accessory for opening up to 360° for gates max. 3.5 m in length.

Pc./Pack 1

PLA10
Vertical 12 V electric lock (required for gates longer than 3 m).

Pc./Pack 1

PLA11
Horizontal 12 V electric lock (required for gates longer than 3 m).

Pc./Pack 1

TS
Signboard.

Pc./Pack 1

SOLEMYO KIT
The solar power to automate gates, garage doors or barrier gates.

See page 140.

* Not compatible with the Solemyo kit and battery backup.

TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
LFAB4024HS	Non-reversible, 24 VDC, fast, with magnetic encoder and mechanical limit switch in closing	18

Code	Description	Pack/Pallet
LFABBOX4	Foundation box with cataphoresis paint finish for LFAB4000, LFAB4024, LFAB4024HS with built-in mechanical stop on opening. Complete with leaf coupling lever	18
LFABBOX4I	Stainless steel foundation box for LFAB4000, LFAB4024, LFAB4024HS with built-in mechanical stop on opening. Complete with leaf coupling lever	18

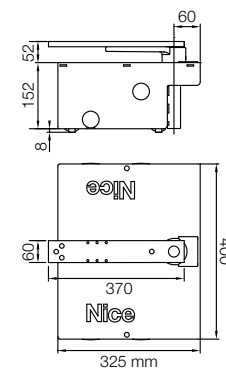| Code	LFAB4024HS
ELECTRICAL DATA	
Power supply (Vdc)	24
Absorption (A)	7
Power (W)	170
PERFORMANCE DATA	
Speed (rpm)	>> 3 <<
Torque (Nm)	200
Work cycle (cycles/hour)	50**
DIMENSIONAL AND GENERAL DATA	
Protection level (IP)	67
Working temp. (°C Min/Max)	-20 ÷ +55
Dimensions (mm)	375x225x110 h*
Weight (kg)	12.5

Code	LFABBOX4
Weight (kg)	14.4

* With foundation box. ** The indicated value has to be halved if the opening is up to 180° - by using the BMA1 accessory.

UTILISATION LIMITS

MAX. GATE WEIGHT (KG)
MAX. GATE LENGTH (M)

The shape, the height of the gate and the weather conditions can considerably reduce the values shown in the graph to the side.

DIMENSIONS

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

Code	control unit/receiver							transmitter				photocells											flashing light		
	MC200 / Built-in*	MC800 / OXI	DPRO500 / OXI-SMXI*	A924 / FLOXI2R*	MC424L / Built-in*	MC824H / OXI	MC824HR / OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	EPMOW	F210	FT210	F210B	FT210B	ELAC	ELDC	WLT
LFAB4024HS						•		•	•	•	•				•	•	•	•			•			•	•

* Radio receiver incompatible with Opera system

Nice

Big-Fab

For swing gates with leaves up to 5 m, underground installation

Irreversible electromechanical gear motor, 24 Vdc with magnetic encoder and mechanical stop.

Foundation boxes with mechanical stop on opening:
- **in stainless steel** (BFABBOXI), ideal for use in extreme conditions;
- **with the cataphoresis paint finish** (BFABBOX), highly resistant to corrosion.

⊙ Oz Kit

Oz Kit 1
- motor x 1
- control unit x 1
- receiver x 1
- two channel remote x 2

Oz Kit 2
- motor x 2
- control unit x 1
- receiver x 1
- two channel remote x 2

Total freedom of choice: release from inside and outside, two key-operated models or freely compatible lever version and easily activated with just one hand.

Simple to use: built-in mechanical stop system on closure. Standard opening max. 110°, optional opening 360°.

Ideal for intensive use, compatible with the control unit Moonclever MC824H:
- simple programming, by means of a single key;
- automatic memorisation of limit switches on opening and closing with self-learning function;
- automatic fault diagnostics;
- programming of pause time;
- pedestrian pass door;
- deceleration on opening and closing;
- obstacle detection with dual technology;
- operation in event of power failure by means of optional rechargeable batteries (PS324);
- provision for connection of latest generation resistive sensitive edges.
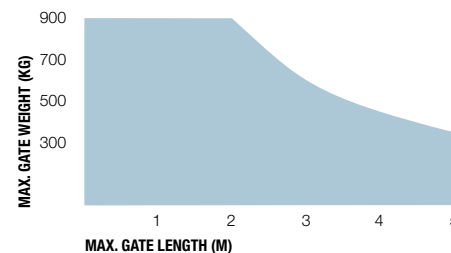
Even more reliabile and resistent

Waterproof, with IP67 protection rating

DIMENSIONS

60
48
152
8
325 mm
400

UTILISATION LIMITS

MAX. GATE WEIGHT (KG)

900
700
500
300

1 2 3 4 5

MAX. GATE LENGTH (M)

The shape, the height of the gate and the weather conditions can considerably reduce the values shown in the graph to the side.

COMMON ACCESSORIES

IBT4N
Interface for connecting the O-View programming unit.

Pc./Pack 1

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone. (Not compatible with the Solemyo kit and battery backup.)

Pc./Pack 1

PS324
24 V battery with integrated battery charger.

Pc./Pack 1

BMA3
Lever-type key unlock system.

Pc./Pack 1

MEA5
Lever-type unlock key.

Pc./Pack 4

BMA1
Accessory for opening up to 360° for gates max. 3.5 m in length.

Pc./Pack 1

BMA2
Adaptors for a dual motor automation, compatible with the majority of foundation boxes on the market.

Pc./Pack 4

PLA10
Vertical 12 V electric lock (required for gates longer than 3 m).

Pc./Pack 1

PLA11
Horizontal 12 V electric lock (required for gates longer than 3 m).

Pc./Pack 1

TS
Signboard.

Pc./Pack 1

SOLEMYO KIT
The solar power to automate gates, garage doors or barrier gates.

See page 140.

TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
BFAB5024	Irreversible, 24 Vdc, with magnetic encoder, with mechanical stop on closing	18

Code	Description	Pack/Pallet
BFABBOX	Foundation box, with cataphoresis paint finish, with built-in mechanical stop on opening	18
BFABBOXI	Stainless steel foundation box, with built-in mechanical stop on opening	18

Note: key release mechanism, freely compatible with selection of models MEA2 and MEA3 motor.

Code	BFAB5024
ELECTRICAL DATA	
Power supply (Vdc)	24
Absorption (A)	7
Power (W)	170
PERFORMANCE DATA	
Speed (rpm)	0.8
Torque (Nm)	400
Work cycle (cycles/hour)**	45
DIMENSIONAL AND GENERAL DATA	
Protection level (IP)	67
Working temp. (°C Min/Max)	-20 ÷ +50
Dimensions (mm)*	400x325x152 h
Weight (kg)	13.3

* With foundation box. ** The indicated value has to be halved if the opening is up to 180° - by using the BMA1 accessory.
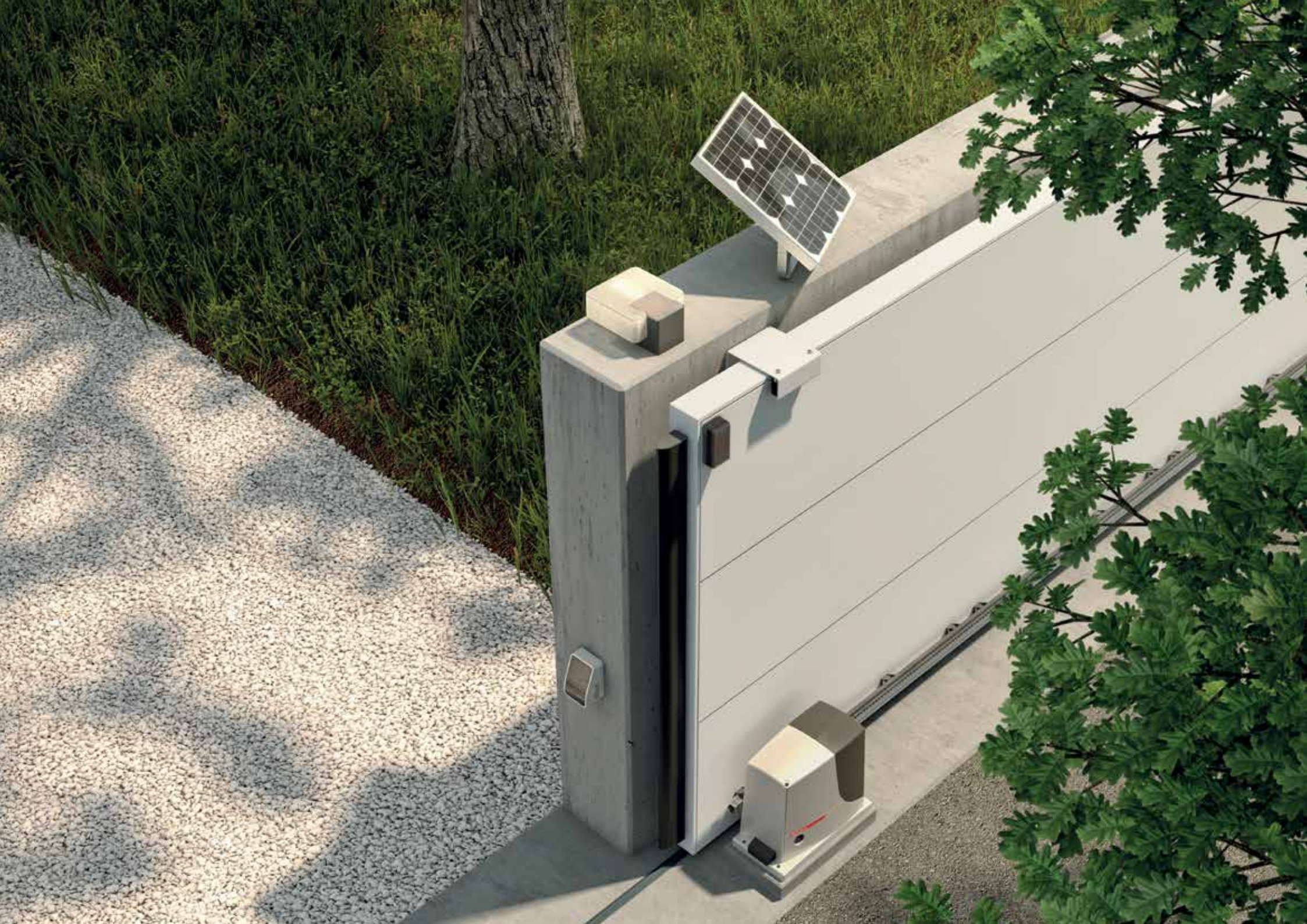
Foundation boxes	**BFABBOX**
Weight (kg)	20.3

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

	control unit/receiver							transmitter				photocells												flashing light		
Code	MC200 / Built-in*	MC800 / OXI	DPRO500 / OXI-SMXI*	A924 / FLOXI2R*	MC424L / Built-in*	MC824H / OXI	MC824HR / OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	EPMOW	F210	FT210	F210B	FT210B	ELAC	ELDC	WLT
BFAB5024						•		•	•	•	•				•	•	•	•			•			•	•

* Radio receiver incompatible with Opera system

Residential and industrial

Systems for sliding gates

| SOLEMYO | OPERA | BLUEBUS | 24V |

Naked Sliding 400

Nice concealed motor for sliding gates up to 400 Kg with leaf length up to 6 m

Motor with built-in control unit and absolute encoder which can be installed inside a compact post with suitable holes.

Its **extremely small size** allows the motor to be installed even in very slender posts, with interior size down to 140x140 mm.

User-friendly: thanks to the BlueBUS system, allowing the control unit to be connected to up to 7 pairs of photocells and control, security and signalling devices with just two wires.

Master/slave selection: for automatic synchronisation even of 2 motors, allowing automation of sliding gates with two opposing leaves.

Intelligent: thanks to obstacle detection and automatic working time programming. Self-diagnostics with flashing light signalling.

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

Simple and precise limit switch adjustment: integral absolute limit switch, quick learning with just one opening or closing operation with motor released.

Practical: control unit and optional PS124 buffer batteries can be connected by means of practical guided - connector.

Flexible: unlocking can be provided on both sides of the post and/or on the outside (with the KIO and KA1 accessories). Also easy to install on existing posts.

COMMON ACCESSORIES

IBT4N
Interface for connecting the O-View programming unit.

Pc./Pack 1

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone. (Not compatible with the Solemyo kit and battery backup.)

Pc./Pack 1

NKA3
Spare control unit,

Pc./Pack 1

PS124
24 V battery with integrated battery charger.

Pc./Pack 1

ROA6
M4 25x20x1000 mm slotted nylon rack with metal insert. For gates weighing up to 500 kg.

Pc./Pack 10

KA1
6 m cable release kit for KIO.

Pc./Pack 1

KIO
Key-operated selector switch for low voltage contacts, with release mechanism for metal cord.

Pc./Pack 1

TS
Signboard.

Pc./Pack 1

SOLEMYO KIT
The solar power to automate gates, garage doors or barrier gates.

See page 140.

TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
NKSL400	Irreversible, 24 Vdc, with built-in control unit and absolute encoder allowing integration in post	16

Code	NKSL400
ELECTRICAL DATA	
Power supply (Vac 50/60 Hz)	230
Absorption (A)	1.1
Power (W)	250
PERFORMANCE DATA	
Speed (m/s)	0.34
Force (N)	400
Work cycle (cycles/hour)	35
DIMENSIONAL AND GENERAL DATA	
Protection level (IP)	44*
Working temp. (°C Min/Max)	-20 ÷ +50
Dimensions (mm)	131x135x405 h
Weight (kg)	6.5

* The protection degree of the automation is determined by the composition motor and column.

DIMENSIONS
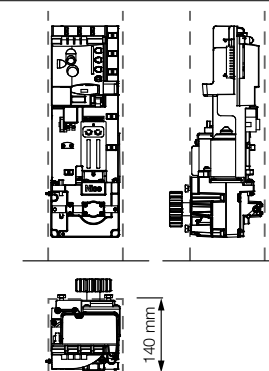
140 mm

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

	receiver		transmitter				photocells												flashing light		
Code	Built-in*	OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	EPMOW	EPMOR	F210	FT210	F210B	FT210B	ELAC	ELDC	WLT
NKSL400		•	•	•	•	•				•	•	•	•	•			•	•		•	•

* Radio receiver incompatible with Opera system

Nice

Slight

Nice motor for sliding gates up to 400 kg with leaf length up to 6 m

Motor with built-in control unit and absolute encoder.

Innovative ultra-compact design: the vertical configuration of the motor makes it easy to install even in narrow openings.

User-friendly: thanks to the BlueBUS system, allowing the control unit to be connected to up to 7 pairs of photocells and control, security and signalling devices with just two wires.

Built-in LED light: programmable as either a flashing or courtesy light, it warns of gate movement during opening and closing.

🐾 Oz Kit

Oz Kit • motor x 1
• lengths of rack x 4
• receiver x 1
• two channel remote x 2

Master/slave selection: for automatic synchronisation even of 2 motors, allowing automation of sliding gates with two opposing leaves.

Intelligent: thanks to obstacle detection and automatic working time programming. Self-diagnostics with flashing light signalling.

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

Built-in absolute limit stop:

• simple and precise regulation thanks to the rapid learning in a single movement with the motor released;

• no bracket or accessory to be installed on the ratchet;

• particularly suitable in snow areas.

Practical: control unit and optional PS124 buffer batteries can be connected by means of practical guided - connector.

Courtesy or flashing LED light

COMMON ACCESSORIES

IBT4N
Interface for connecting the O-View programming unit.

Pc./Pack 1

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone. (Not compatible with the Solemyo kit and battery backup.)

Pc./Pack 1

NKA3
Spare control unit,

Pc./Pack 1

PS124
24 V battery with integrated battery charger.

Pc./Pack 1

ROA6
M4 25x20x1000 mm slotted nylon rack with metal insert. For gates weighing up to 500 kg.

Pc./Pack 10

TS
Signboard.

Pc./Pack 1

SOLEMYO KIT
The solar power to automate gates, garage doors or barrier gates.

TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
SLH400	Irreversible, 24 Vdc, with built-in control unit and absolute encoder with built-in LED light	16

Code	SLH400
ELECTRICAL DATA	
Power supply (Vac 50/60 Hz)	230
Absorption (A)	1.1
Power (W)	250
PERFORMANCE DATA	
Speed (m/s)	0.34
Force (N)	400
Work cycle (cycles/hour)	35
DIMENSIONAL AND GENERAL DATA	
Protection level (IP)	44
Working temp. (°C Min/Max)	-20 ÷ +50
Dimensions (mm)	131x135x405 h
Weight (kg)	6.5

DIMENSIONS

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

	receiver	transmitter				photocells												flashing light		
Code	Built-in*	OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	EPMOW	EPMOR	F210	FT210	F210B	FT210B	ELAC	ELDC	WLT
SLH400		•	•	•	•	•				•	•	•	•	•			•	•		•	•

* Radio receiver incompatible with Opera system

Nice

Robus HS

For hi-speed automation of sliding gates weighing up to 500 kg (RB500HS)

For residential and industrial applications.

24 Vdc electromechanical gear motor.

Ó **Ideal for intensive use**: opening a 4 m gate takes around 9* seconds with RB500HS.

Oz Kit

Oz Kit
- motor x 1
- lengths of rack x 4
- receiver x 1
- two channel remote x 2

User-friendly: thanks to the Nice BlueBUS technology, the control unit can be connected to up to 7 couples of photocells, control, security and signalling devices, using two wires only.

Practical: control unit and buffer batteries PS124 (optional) connected by practical guided plug-in connector, housed in the gearmotor.

Advanced: the temperature sensor adapts the motor power to the climatic conditions and at the same time thermal cut-out; a master/slave selection automatically synchronises two motors. This means it is possible to automate 2-leaf sliding gates set opposite each other..

Intelligent: thanks to the obstacle detection system and automatic programming of the working times. Self-diagnosis by means of a flashing light. 8 programming levels.

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

Sturdy: base and release in pressure die cast with easy to open handle.

Silent: gear motor on bearings.

* Considering standard installation, excluding acceleration and deceleration.

Compartment for control unit protected by removable box

Pressure die-cast aluminium base and release, with epoxy painting

COMMON ACCESSORIES

IBT4N
Interface for connecting the O-View programming unit.

Pc./Pack 1

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone (*).

Pc./Pack 1

RBA3/HS
Spare control unit for RB250HS and RB500HS.

Pc./Pack 1

PS124
24 V battery with integrated battery charger.

Pc./Pack 1

RBA1
Inductive limit switch.

Pc./Pack 1

ROA6
M4 25x20x1000 mm slotted nylon rack with metal insert. For gates weighing up to 500 kg.

Pc./Pack 10

ROA7
M4 rack, zinc coated, 22x22x1000 mm.

Pc./Pack 10

ROA8
M4 rack, 30x8x1000 mm, zinc coated with spacers and screws.

Pc./Pack 10

TS
Signboard.

Pc./Pack 1

SOLEMYO KIT
The solar power to automate gates, garage doors or barrier gates.

See page 140.

* Not compatible with the Solemyo kit and PS124

TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
RB500HS	Irreversible, 24 Vdc, fast, with incorporated control unit, with electromechanical limit switch, for gates up to 500 kg	14

Code	RB500HS
ELECTRICAL DATA	
Power supply (Vac 50/60 Hz)	230
Absorption (A)	2.2
Power (W)	450
PERFORMANCE DATA	
Speed (m/s)	>> 0.44 <<
Force (N)	360
Work cycle (cycles/hour)	20
DIMENSIONAL AND GENERAL DATA	
Protection level (IP)	
Working temp. (°C Min/Max)	
Dimensions (mm)	330x210x303 h
Weight (kg)	11

DIMENSIONS

303
92
330 mm
210
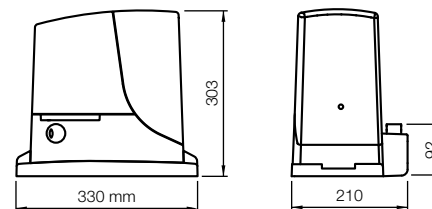
RB500

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

	receiver		transmitter				photocells												flashing light		
Code	Built-in*	OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	EPMOW	EPMOR	F210	FT210	F210B	FT210B	ELAC	ELDC	WLT
RB500HS		•	•	•	•	•				•	•	•	•	•			•	•		•	•

* Radio receiver incompatible with Opera system

OZ KIT | **SOLEMYO** | **OPERA** | **BLUEBUS** | **24V**

Robus 400/600/1000

For sliding gates weighing up to 400 kg (RB400)**, up to 600 kg** (RB600) **and up to 1000 kg** (RB1000)

Versions with electromechanical limit switch (RB400/RB600/RB1000) and with inductive limit switch (RB600P/RB1000P).

User-friendly: thanks to the BlueBUS system, allowing the control unit to be connected to up to 7 pairs of photocells and control, security and signalling devices with just two wires.

Practical: control unit and optional PS124 buffer batteries can be connected by means of practical guided - connector.

Oz Kit

Oz Kit	• motor x 1
	• lengths of rack x 4
	• receiver x 1
	• two channel remote x 2

Advanced: RB400, RB600 and RB1000 are equipped with a temperature sensor: adapt the motor power to the climatic conditions. A master/slave selection automatically synchronises two motors. This means it is possible to automate 2-leaf sliding gates set opposite each other.

Intelligent: thanks to the obstacle detection system and automatic programming of the working times. Self-diagnosis by means of a flashing light.

8 programming levels.

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

Sturdy: base and release in pressure die cast with easy to open handle.
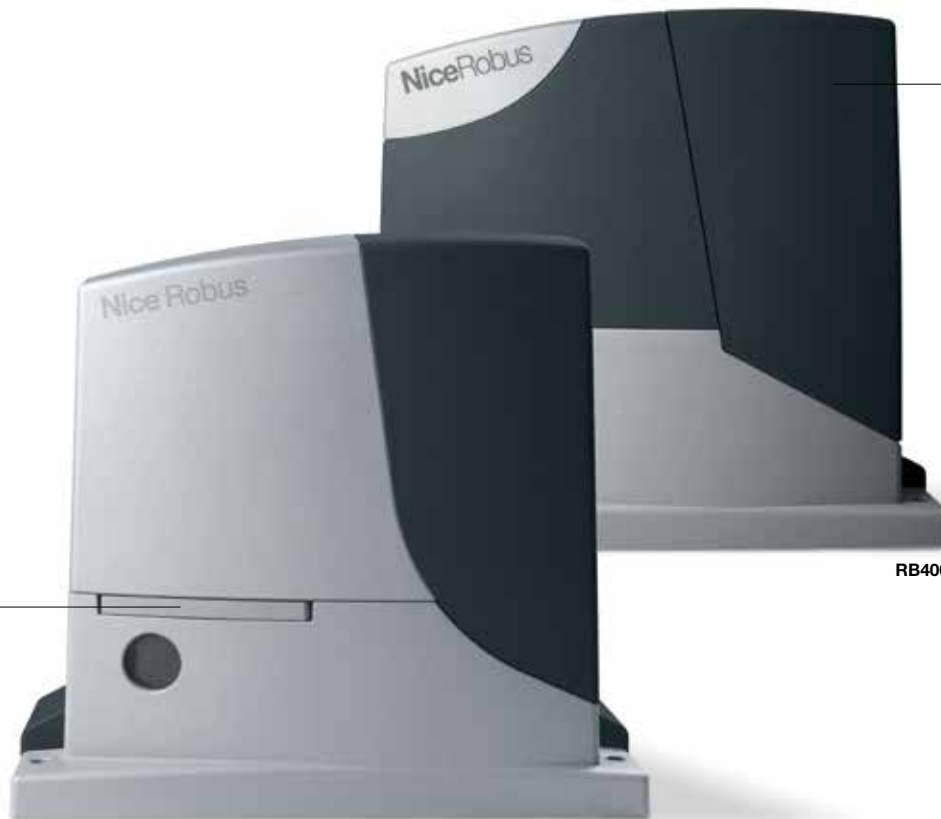
Silent: gear motor on bearings.

Compartment for the pull-out control unit, protected by casing, and for buffer batteries

RB400

Aluminium release handle for easy opening

RB600/RB1000

COMMON ACCESSORIES

IBT4N
Interface for connecting the O-View programming unit.
Pc./Pack 1

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone. (Not compatible with the Solemyo kit and battery backup.)
Pc./Pack 1

RBA3
Spare control unit for RB400, RB600/600P, RB1000/1000P and RUN1500/1500P.
Pc./Pack 1

PS124
24 V battery with integrated battery charger.
Pc./Pack 1

RBA1
Inductive limit switch.
Pc./Pack 1

ROA6
M4 25x20x1000 mm slotted nylon rack with metal insert. For gates weighing up to 500 kg.
Pc./Pack 10

ROA7
M4 rack, zinc coated, 22x22x1000 mm.
Pc./Pack 10

ROA8
M4 rack, 30x8x1000 mm, zinc coated with spacers and screws.
Pc./Pack 10

TS
Signboard.
Pc./Pack 1

SOLEMYO KIT
The solar power to automate gates, garage doors or barrier gates.
See page 140.

TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
RB400	Irreversible, 24 Vdc, with incorporated control unit, with electromechanical limit switch, for gates up to 400 kg	15
RB600	Irreversible, 24 Vdc, with incorporated control unit, with electromechanical limit switch, for gates up to 600 kg	15
RB1000	Irreversible, 24 Vdc, with incorporated control unit, with electromechanical limit switch, for gates up to 1000 kg	15

Code	RB400	RB600	RB1000
ELECTRICAL DATA			
Power supply (Vac 50/60 Hz)		230	
Absorption (A)	1.1	2.5	2.3
Power (W)	250	515	450
PERFORMANCE DATA			
Speed (m/s)	0.34	0.31	0.28
Force (N)	400	600	900
Work cycle (cycles/hour)	35	40	50
DIMENSIONAL AND GENERAL DATA			
Protection level (IP)		44	
Working temp. (°C Min/Max)		-20 ÷ +50	
Dimensions (mm)	330x195x277 h	330x210x303 h	
Weight (kg)	8	11	13

DIMENSIONS
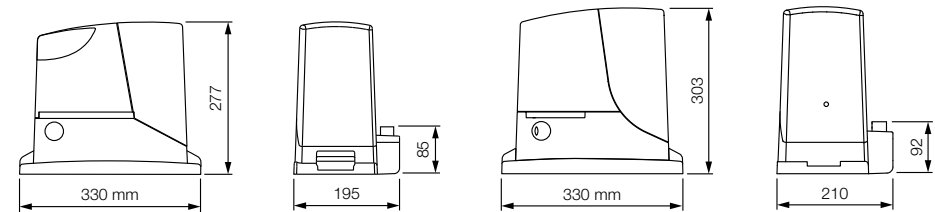
RB400   **RB600/RB1000**

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

	receiver		transmitter				photocells												flashing light		
Code	Built-in*	OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	EPMOW	EPMOR	F210	FT210	F210B	FT210B	ELAC	ELDC	WLT
RB400		•	•	•	•	•				•	•	•	•	•			•	•		•	•
RB600/600P		•	•	•	•	•				•	•	•	•	•			•	•		•	•
RB1000/1000P		•	•	•	•	•				•	•	•	•	•			•	•		•	•

* Radio receiver incompatible with Opera system

OPERA | BLUEBUS | 24V

Run HS

For hi-speed automation of sliding gates weighing up to 1200 kg (RUN1200HS)

For residential and industrial applications.

24 Vdc electromechanical gear motor.

Ó **Rapid manoeuvres, with opening and closing**: Opening a 7 m gate takes around 18* seconds with RUN1200HS.

⟳ Oz Kit

Oz Kit
- motor x 1
- lengths of rack x 4
- receiver x 1
- two channel remote x 2

The fastest: ideal for industrial applications, designed for intensive use.

User-friendly: thanks to the Nice BlueBUS technology, the control unit can be connected to up to 7 couples of photocells, control, security and signalling devices, using two wires only.

Practical: the control unit and PS524 battery charger (to which two B12-B batteries should be added) can be connected by means of a simple connector and can be housed directly inside the motor.

Advanced: the temperature sensor adapts the motor power to the climatic conditions. A master/slave selection automatically synchronises two motors. This means it is possible to automate 2-leaf sliding gates set opposite each other.

Intelligent: thanks to the obstacle detection system and automatic programming of the working times. Self-diagnosis by means of a flashing light. 8 programming levels.

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

Sturdy: base and release in pressure die cast with easy to open handle.

Silent: gear motor on bearings.

* Considering standard installation, excluding acceleration and deceleration.

Compartment for control unit protected by removable box

Pressure die-cast aluminium base and release, with epoxy painting

COMMON ACCESSORIES

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone (*).
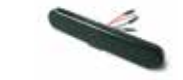
Pc./Pack 1

RUA6
Spare control unit for RUN400HS and RUN1200HS.

Pc./Pack 1

B12-B
12 V, 6 Ah batteries.

Pc./Pack 1

PS524
Charge card for 7 Ah batteries.

Pc./Pack 1

RBA1
Inductive limit switch.

Pc./Pack 1

ROA7
M4 rack, zinc coated, 22x22x1000 mm.

Pc./Pack 10

ROA8
M4 rack, 30x8x1000 mm, zinc coated with spacers and screws.

Pc./Pack 10

ROA81
M6 rack, 30x30x1000 mm, zinc coated, to be coupled with RUA12.

Pc./Pack 10

RUA12
12-teeth pinion, module 6, to be coupled with rack ROA81. The Run automation is supplied with a module 4 pinion to be used with the standard racks ROA7 and ROA8.

Pc./Pack 1

* Incompatible with PS524

TS
Signboard.

Pc./Pack 1

TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
RUN400HS	Irreversible, 24 Vdc, fast, with incorporated control unit, with electromechanical limit switch, for gates up to 400 kg	12
RUN1200HS	Irreversible, 24 Vdc, fast, with incorporated control unit, with electromechanical limit switch, for gates up to 1200 kg	12

Code	RUN400HS	RUN1200HS
ELECTRICAL DATA		
Power supply (Vac 50/60 Hz)	230	
Absorption (A)	2	
Power (W)	415	
PERFORMANCE DATA		
Speed (m/s)	>> 0.7 <<	>> 0.37 <<
Force (N)	409	790
Work cycle (cycles/hour)	60	
DIMENSIONAL AND GENERAL DATA		
Protection level (IP)	44	
Working temp. (°C Min/Max)	-20 ÷ +50	
Dimensions (mm)	400x255x387 h	
Weight (kg)	24.5	

DIMENSIONS

387
108
400 mm
252

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

Code	receiver		transmitter				photocells												flashing light		
	Built-in*	OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	EPMOW	EPMOR	F210	FT210	F210B	FT210B	ELAC	ELDC	WLT
RUN400HS		•	•	•	•	•				•	•	•	•	•			•	•		•	•
RUN1200HS		•	•	•	•	•				•	•	•	•	•			•	•		•	•

* Radio receiver incompatible with Opera system

Nice

Roadkit

For sliding gates weighing up to 400 kg

Practical: built-in control unit, can be connected by means of a simple connector and can be housed directly inside the motor; incorporated radio card, compatible with the Nice Flo and Smilo systems: 100 transmitters can be entered!

Advanced: decelerations can be managed directly from the control unit and gate movement speed and force can be adjusted.

Oz Kit

Oz Kit • lengths of rack x 4

Intelligent: thanks to the obstacle detection system and automatic programming of the working times. Self-diagnosis by means of a flashing light.

Practical: the control unit and PS124 buffer battery (optional) can be connected by means of a simple connector and can be housed directly inside the motor.

The Era Gate accessories, with a minimal, modern and discreet design, renovate Nice kits' style and performance.

Discover the complete range at page 119.

The kit contains:

RD400
1 Non-reversible electromechanical gearmotor, 24 VDC, with control unit and built-in receiver, designed to take the PS124 buffer battery (optional)

FLO2RE
2 Transmitter 433.92 MHz, 2 channels.

COMMON ACCESSORIES

IBT4N
Interface for connecting the O-View programming unit.

Pc./Pack 1

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone (*).

Pc./Pack 1

RBA4
Spare control unit for RDKCE.

PS124
24 V battery with integrated battery charger.

Pc./Pack 1

CM-B
Pawl with two metal release keys.

ROA6
M4 25x20x1000 mm slotted nylon rack with metal insert. For gates weighing up to 500 kg.

Pc./Pack 10

TECHNICAL SPECIFICATIONS

Code	Description
RDKCE	Kit for the automation of sliding gates up to 400 kg and up to 6 m length, 24 Vdc, with incorporated control unit and receiver

N.B. The content of the package may vary: consult the retailer.

Code	RD400
ELECTRICAL DATA	
Power supply (Vac 50/60 Hz)	230
Absorption (A)	1.1
Power (W)	210
PERFORMANCE DATA	
Speed (m/s)	0.25
Force (N)	400
Work cycle (cycles/hour)	20
DIMENSIONAL AND GENERAL DATA	
Protection level (IP)	44
Working temp. (°C Min/Max)	-20 ÷ +55
Dimensions (mm)	330x195x277 h
Weight (kg)	8

DIMENSIONS

277

330 mm

85

195

SOLEMYO **OPERA** **BLUEBUS** **24V**
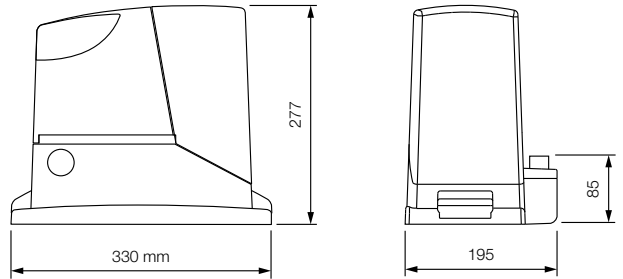
Run 1500

For sliding gates weighing up to 1500 kg

Versions with electromechanical limit switch (RUN1500) and with inductive limit switch (RUN1500P).

User-friendly: thanks to the BlueBUS system, allowing the control unit to be connected to up to 7 pairs of photocells and control, security and signalling devices with just two wires.

Practical: the control unit and PS124 buffer battery (optional) can be connected by means of a simple connector and can be housed directly inside the motor.

Oz Kit

Oz Kit
- motor x 1
- lengths of rack x 4
- receiver x 1
- two channel remote x 2

Advanced: the temperature sensor adapts the motor force to weather conditions, setting the thermal cut-out protection accordingly; a master/slave selection automatically synchronises 2 motors, enabling the automation of sliding gates with two opposing leaves.

Intelligent: thanks to the obstacle detection system and automatic programming of the working times. Self-diagnosis by means of a flashing light.

8 programming levels.

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

Sturdy: base and release in pressure die cast with easy to open handle.

Silent: gear motor on bearings.

Compartment for control unit protected by removable box

Pressure die-cast aluminium base and release, with epoxy painting

COMMON ACCESSORIES

IBT4N
Interface for connecting the O-View programming unit.

Pc./Pack 1

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone. (Not compatible with the Solemyo kit and battery backup.)

Pc./Pack 1

RBA3
Spare control unit for RB400, RB600/600P, RB1000/1000P and RUN1500/1500P.

Pc./Pack 1

PS124
24 V battery with integrated battery charger.

Pc./Pack 1

RBA1
Inductive limit switch.

Pc./Pack 1

ROA7
M4 rack, zinc coated, 22x22x1000 mm.

Pc./Pack 10

ROA8
M4 rack, 30x8x1000 mm, zinc coated with spacers and screws.

Pc./Pack 10

ROA81
M6 rack, 30x30x1000 mm, zinc coated, to be coupled with RUA12.

Pc./Pack 10

RUA12
12-teeth pinion, module 6, to be coupled with rack ROA81. The Run automation is supplied with a module 4 pinion to be used with the standard racks ROA7 and ROA8.

Pc./Pack 1

TS
Signboard.

Pc./Pack 1

SOLEMYO KIT
The solar power to automate gates, garage doors or barrier gates.

See page 140.

TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
RUN1500	Irreversible, 24 Vdc, with built-in control unit, with electromechanical limit switch, for sliding gates weighing up to 1500 kg	12

Code	RUN1500/1500P
ELECTRICAL DATA	
Power supply (Vac 50/60 Hz)	230
Absorption (A)	2
Power (W)	400
PERFORMANCE DATA	
Speed (m/s)	0.25
Force (N)	1000
Work cycle (cycles/hour)	60
DIMENSIONAL AND GENERAL DATA	
Protection level (IP)	44
Working temp. (°C Min/Max)	-20 ÷ +50
Dimensions (mm)	400x255x390 h
Weight (kg)	19

DIMENSIONS
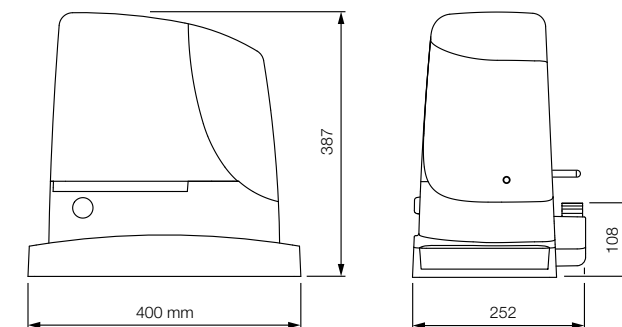
387
108
400 mm
252

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

Code	receiver		transmitter				photocells												flashing light		
	Built-in*	OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	EPMOW	EPMOR	F210	FT210	F210B	FT210B	ELAC	ELDC	WLT
RUN1500/1500P		•	•	•	•	•				•	•	•	•	•			•	•		•	•

* Radio receiver incompatible with Opera system

Nice

Run 2500

For sliding gates weighing up to 2500 kg

Suitable to operate in extreme conditions, in systems for intensive use.

Ventilated motor with electromechanical limit switch (RUN2500I).

Easy to install: the BlueBUS system enables connections by means of just two wires between the control unit and up to 15 control safety and signalling devices.

Safe: the acceleration settings (at the start of the manoeuvre) and the deceleration settings (at the end of the manoeuvre) are precise and reliable.

Advanced temperature sensor: Run is able to manage force, adapting it to the different climatic and environmental conditions, while adapting the thermal cut-out protection and intensity of self-ventilation, depending on the temperature reading.

Master/slave selection: for automatic synchronisation even of 2 motors, allowing automation of sliding gates with two opposing leaves.

Practical and functional: the control unit (and inverter on version RUN2500I), housed inside Run, can be simply connected by means of the practical connector guide.

Silent: gear motor on bearings.

RUN2500I version with built-in inverter

Perfect movement: the inverter enables the power supply and drive of the 3-phase motor with single-phase current at 230 Vac, acting on the frequency to adjust speed of the automation from a minimum of 8.2 m/min to maximum 15.4 m/min. In the automation deceleration phase, the inverter, which dialogues with the control unit, increases the torque, thus improving performance and reducing the risk of the automation blocking on impact with obstacles.

Compartment for control unit protected by removable box

Pressure die-cast aluminium base and release, with epoxy painting

COMMON ACCESSORIES

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone.

Pc./Pack 1

RUA1
Spare control unit for RUN1800/1800P and RUN2500/2500P.

Pc./Pack 1

RUA2
Spare control unit, for RUN2500I.

Pc/Pack 1

RUA3
Spare inverter for RUN2500I.

Pc./Pack 1

ROA7
M4 rack, zinc coated, 22x22x1000 mm.

Pc./Pack 10

ROA8
M4 rack, 30x8x1000 mm, zinc coated with spacers and screws.

Pc./Pack 10

ROA81
M6 rack, 30x30x1000 mm, zinc coated, to be coupled with RUA12.

Pc./Pack 10

RUA12
12-teeth pinion, module 6, to be coupled with rack ROA81. The Run automation is supplied with a module 4 pinion to be used with the standard racks ROA7 and ROA8.

Pc./Pack 1

TS
Signboard.

Pc./Pack 1

TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
RUN2500I	Irreversible, 230 Vac, with built-in control unit and inverter, with electromechanical limit switches, for sliding gates weighing up to 2500 kg	12

Code	RUN2500/2500P	RUN2500I
ELECTRICAL DATA		
Power supply (Vac/Hz)	230/50*	230/50-60
Absorption (A)	3.8	3.7
Power (W)	870	650
PERFORMANCE DATA		
Speed (m/s)	0.17	0.26
Force (N)	1390	1660
Work cycle (cycles/hour)	42	56
DIMENSIONAL AND GENERAL DATA		
Protection level (IP)	44	
Working temp. (°C Min/Max)	-20 ÷ +50	
Dimensions (mm)	400x255x390 h	
Weight (kg)	24.5	25

DIMENSIONS
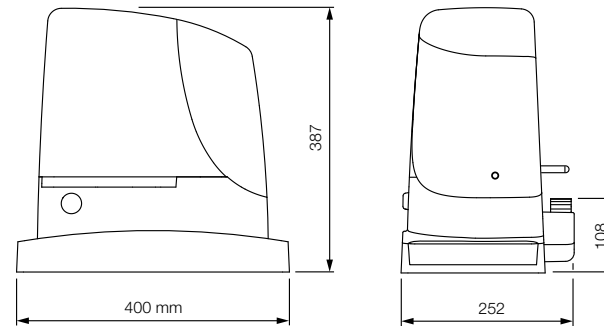
387
400 mm
108
252

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

	receiver	transmitter				photocells												flashing light		
Code	Built-in*	OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	EPMOW	EPMOR	F210	FT210	F210B	FT210B	ELAC	ELDC	WLT
RUN1800/1800P		•	•	•	•	•				•	•	•	•	•			•	•		•	•
RUN2500/2500P		•	•	•	•	•				•	•	•	•	•			•	•		•	•
RUN2500I		•	•	•	•	•				•	•	•	•	•			•	•		•	•

* Radio receiver incompatible with Opera system

Drive 300

Sliding gate motors

Designed for residential sliding gates, up to 300 kg

- cost effective residential sliding gate automation
- tough DC motor with removable brushes for easy maintenance
- LED display for easy programming and diagnostics
- security gate and safety beam tamper alarm monitoring
- electronic locking of motor unit with remote control for added security
- ET-Blu Mix® enhanced rolling code receiver on board

Drive 300

ACCESSORIES

ET-BLU MIX
Rolling code remote transmitter.

BLUE i
Safety beams.

MD2010
Metal loop detector.

E-PAD O2
Wireless access control keypad.

INTERCOM
Internal and external kit.

ET-BLU MIX
Long range transmitter/receiver equipment.

STEEL OR NYLON RACK

SOLEMYO KIT
The solar power to automate gates, garage doors or barrier gates.

See page 140.

PROUDLY DESIGNED AND MANUFACTURED IN SOUTH AFRICA

BATTERY BACK-UP SHOULD POWER FAIL

TECHNICAL SPECIFICATIONS

Code	DRIVE 300
Power supply (standard kit option) Vac/Hz	230VAC, 50Hz-60Hz
Primary supply to the electric motor	ACDC Power Pack with battery as back-up only (24V 5Ah)
Maximum duty cycle with mains present	25%*
Number of operations on battery	100 within first 24h of power failure**
Maximum gate mass	300kg
Maximum gate leaf length (m)	25m
Rated running load (n)	100N**
Rated gate speed (m/s)	0.42m/s
Built-in receiver	434MHz, 4 channel, ET BLU MIX® Enhanced rolling code. 32 user capacity

* At rated gate running load. ** Battery charge level and health dependent.
† Dependent on factors such as battery status, gate load, mains voltage, environment

DIMENSIONS
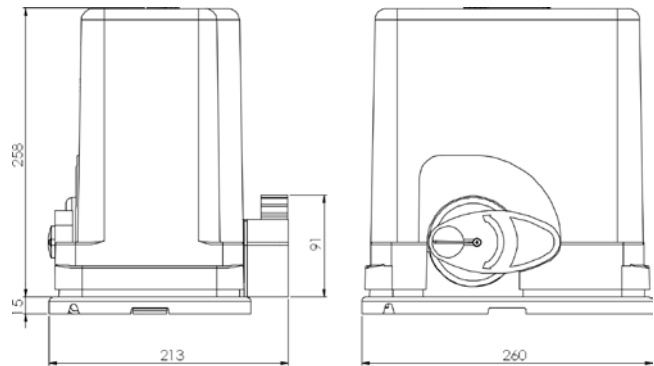
Drive 500/600

Sliding gate motor

Designed for high traffic sliding gates, up to 500 kg.

- proven robust and reliable residential slide gate automation
- high speed motor with removable brushes
- advanced electronics with large backlit display for easy programming, diagnostics and fault reporting
- gate and beam tamper alarm monitoring
- pin code lockable programming
- optional heavy duty security bracket
- ET-Blu Mix® enhanced rolling code receiver on board

Drive 500/600

ACCESSORIES

ET-BLU MIX
Rolling code remote transmitter.

BLUE i
Safety beams.

MD2010
Metal loop detector.

E-PAD O2
Wireless access control keypad.

INTERCOM
Internal and external kit.

ET-BLU MIX
Long range transmitter/receiver equipment.

STEEL OR NYLON RACK

THEFT DETERRENT BRACKET

BATTERY BACK-UP SHOULD POWER FAIL

PROUDLY DESIGNED AND MANUFACTURED IN SOUTH AFRICA

TECHNICAL SPECIFICATIONS

Code	DRIVE 500	DRIVE 600
Input voltage: (Standard kit option)	16v or 230VAC, 50Hz-60Hz	230VAC, 50Hz-60Hz
Primary supply to the electric motor	Battery dependent (12V 7,5Ah)	ACDC Power Pack with battery as backup only (12V 7,5Ah)
Maximum duty cycle with mains present	25%*	98%*
Number of operations on battery	100 within first 24h of power failure**	100 within first 24h of power failure**
Maximum gate mass	500kg	500kg
Maximum gate leaf length	35m	35m
Rated running load (m)	180N**	180N**
Rated gate speed (n)	0.46m/s	0.5m/s
Built-in receiver (m/s)	434MHz, 4 channel, ET BLU MIX® Enhanced rolling code. 250 user capacity	434MHz, 4 channel, ET BLU MIX® Enhanced rolling code. 250 user capacity

* At rated gate running load. ** Battery charge level and health dependent.

DIMENSIONS

318
90
15
227
278
285
390
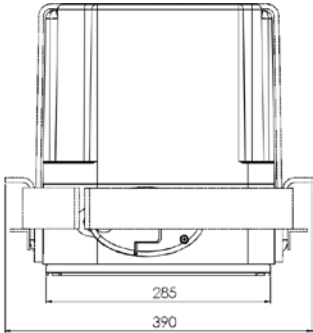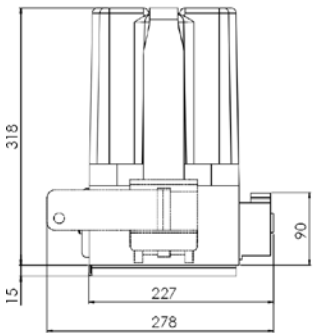
Drive 1000

Sliding gate motor

Designed for high traffic sliding gates, up to 1000 kg.

- heavy duty robust design for high-traffic industrial sliding gate automation
- proven power back operation with true battery backup
- high speed motor with intelligent control
- advanced electronics with large backlit display for easy programming, diagnostics and fault reporting
- designed to house up to two 24V 3.5Ah batteries for extra internal battery backup
- gate motor and beam tamper alarm monitoring
- optional heavy duty security bracket
- ET-Blu Mix® enhanced rolling code receiver on board

Drive 1000

ACCESSORIES

ET-BLU MIX
Rolling code remote transmitter.

BLUE i
Safety beams.

MD2010
Metal loop detector.

E-PAD O2
Wireless access control keypad.

INTERCOM
Internal and external kit.

ET-BLU MIX
Long range transmitter/receiver equipment.

STEEL OR NYLON RACK

THEFT DETERRENT BRACKET

SOLEMYO KIT
The solar power to automate gates, garage doors or barrier gates.

See page 140.

PROUDLY DESIGNED AND MANUFACTURED IN SOUTH AFRICA

TECHNICAL SPECIFICATIONS

Code	**DRIVE 1000**
Input voltage: (Standard kit option)	230v AC, 50Hz-60Hz
Primary supply to the electric motor	ACDC Power Pack with battery as backup only (24V 5Ah)
Maximum duty cycle with mains present	98%*
Number of operations on battery	100 within first 24h of power failure**
Maximum gate mass	1000kg
Maximum gate leaf length	40m
Rated running load (m)	400N
Rated gate speed (n)	0.46m/s
Built-in receiver (m/s)	434MHz, 4 channel, ET BLU MIX® Enhanced rolling code. 1000 user capacity

* At rated gate running load. ** Battery charge level and health dependent.

DIMENSIONS

364 355 92.5 237 305 16 0 - 10mm 359 410
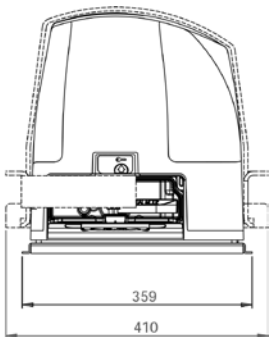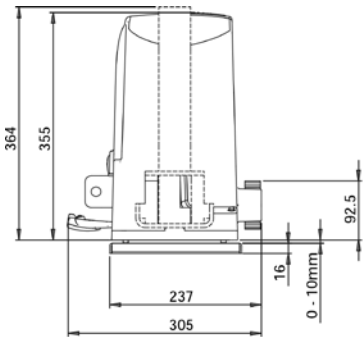
Systems for garage doors

Nice

Giro

For balanced rolling shutters up to 170 kg and 340 kg

Electromechanical gear motor available both in reversible and irreversible version.

High performance: new irreversible twin-motor version with 800 W power and lifting force up to 340 Nm.

Unbeatably flexible use and less inventory to keep in stock: a single model that is designed to take a 76 mm rolling shutter shaft but can be easily adapted to take a 60 or 48 mm shaft, covering the full range of most commonly used sizes.

The outside diameter of the gear can be adapted from 200 mm to 220 or 240 mm, allowing installation on most rolling shutters.

Technologically innovative: the brake is built into the gearmotor and results in much smoother operation than the traditional solution.

Easy limit switch adjustment: automatic limit switch adjustment is achieved by simply operating the rolling shutter without any load, with the motor released, and then just fine-tuning the system manually.

Simple system for releasing both motors at the same time.

**Recommended control unit:** MC200.

QUICK AND EASY INSTALLATION

During installation, the motor is supported on the shaft thanks to the practical guided coupling.

Practical:
limit switches for both closing and opening, easy to adjust

Versatile:
can be used with 76, 60 and 48 mm shafts

Strong:
100% aluminium housing

Twin-motor version:
maximum power, ideal for the toughest applications
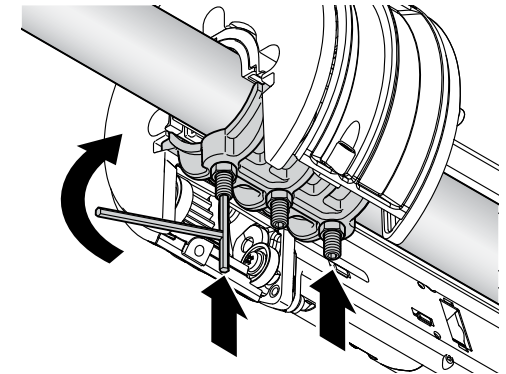
COMMON ACCESSORIES

IBT4N
Interface for connecting the O-View programming unit.

Pc./Pack 1

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone.

Pc./Pack 1

MC200
Control unit with automatic closing.

Pc./Pack 1

GRA02
Adapter for 48 mm shaft.

Pc./Pack 1

GRA03
Adapter for 240 mm gear diameter.

Pc./Pack 1

GRA01
Additional motor for GR170, complete with accessories for simultaneous release.

Pc./Pack 1

KIOMINI
Aluminium key switch/ switch lock box with control and release button.

Pc./Pack 1

KIO
Key-operated selector switch for low voltage contacts, with release mechanism for metal cord.

Pc./Pack 1

TS
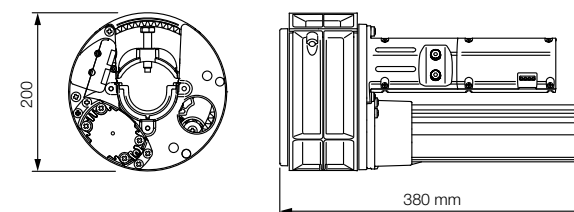Signboard.

Pc./Pack 1

TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
GR170	For balanced rolling doors up to 170 kg, 230 V irreversible, with built-in brake and release device	44
GR170E01	For balanced rolling doors up to 170 kg, 230 V irreversible, with built-in brake and release device, power cable, 5 m long, included in box	44
GR170R	For balanced rolling doors up to 170 kg, reversible 230 V, without brake	44
GR170RE01	For balanced rolling doors up to 170 kg, reversible 230 V, without brake, 5 m long power cable included	44
GR340E01	For balanced rolling doors up to 340 kg, irreversible 230 V, twin-motor with built-in brake and release device, 5 m long power cable included	44

Code	GR170/E01 - GR170R/E01	GR340E01
ELECTRICAL DATA		
Power supply (V/Hz)	230/50	
Absorption (A)	1.9	3.3
Power (W)	430	800
PERFORMANCE DATA		
Speed (rpm)	8	
Torque (Nm)	170	340
Continuous operating time (min)	4	
Max. number of operations per day	10	
DIMENSIONAL AND GENERAL DATA		
Rolling shutter shaft diameter	76 - 60* - 48**	
Outside diameter of the gear	200 - 220* - 240**	
Protection level (IP)	20	
Working temp. (°C Min/Max)	-20 ÷ +50	
Dimensions (mm)	Ø 200 x 380	
Weight (kg)	7	10.5

* with adapter included in box
** with additional adapter (optional extra)

DIMENSIONS

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

Code	control unit/receiver							transmitter				photocells											flashing light		
	MC200 / Built-in*	MC800 / OXI	DPRO500 / OXI-SMXI*	A924 / FLOXI2R*	MC424L / Built-in*	MC324H / OXI	MC324HR / OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	EPMOR	F210	FT210	F210B	FT210B	ELAC	ELDC	WLT
GR170 / GR170E01	•							•	•	•	•	•	•	•				•	•	•			•		
GR170R / GR170RE01	•							•	•	•	•	•	•	•				•	•	•			•		
GR340E01	•							•	•	•	•	•	•	•				•	•	•			•		

* Radio receiver incompatible with Opera system

Rondo

For balanced rolling shutters up to 170 kg

Electromechanical irreversible gearmotor irreversible.

Smart: the wiring are protected by an elegant box; pre-wired capacitor.

Fast: easy and intuitive adjustment of the limit switches both during opening and closing.

Complete: with 200 mm external flange diameter and 220 mm adapters, for 60 mm shafts and adapters for 48 mm.

Easy to install: thanks to the guided connector, you don't need to hold the motor while you secure it using just 3 screws.

Recommended control unit MC200, easy, complete and reliable with:

- compatible with the Opera system;
- remote control with the MyNice Welcome app (IT4WIFI interface is needed);
- semi-automatic or automatic operation;
- complete reverse run with photocell;
- step-by-step operation;
- programmable Step-by-step/Open input;
- programmable Stop/Photo input;
- input for resistive edge;
- incorporated radio card, compatible with the Nice Flo, FloR and Smilo systems.

Sturdy: housing in 100% aluminium

Practical: easy to adjust, electromechanical limit switches both during closing and opening

Complete: designed for cordoperated release

COMMON ACCESSORIES

IBT4N
Interface for connecting the O-View programming unit.

Pc./Pack 1

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone.

Pc./Pack 1

MC200
Control unit with automatic closing.

Pc./Pack 1

KIO
Key-operated selector switch for low voltage contacts, with release mechanism for metal cord.

Pc./Pack 1

KIOMINI
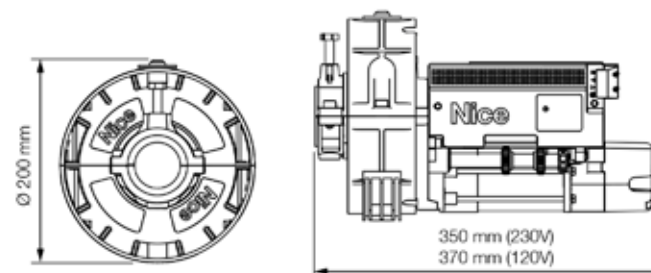Aluminium key switch/ switch lock box with control and release button.

Pc./Pack 1

TS
Signboard.

Pc./Pack 1

TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
RN2040	For balanced rolling doors up to 170 kg, irreversible, with brake and release device	40

Code	RN2040
ELECTRICAL DATA	
Power supply (Vac 50 Hz)*	230
Absorption (A)	2.7
Power (W)	630
PERFORMANCE DATA	
Speed (rpm)	10
Torque (Nm)	170
Continuous operating time (min)	4
DIMENSIONAL AND GENERAL DATA	
Protection level (IP)	20
Working temp. (°C Min/Max)	-20 ÷ +50
Dimensions (mm)	200x350
Weight (kg)	8

* 120 Vac version available on request.

DIMENSIONS

Ø 200 mm

350 mm (230V)
370 mm (120V)

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

	control unit/receiver							transmitter						photocells											flashing light		
Code	MC200 / Built-in*	MC800 / OXI / OXIBD / OXILR	DPRO500 / OXI / OXIBD / OXILR	DPRO924 / OXI / OXIBD / OXILR	MC424L / Built-in* / OXI /OXIBD / OXILR	MC824H / OXI / OXIBD / OXILR	MC824HR / OXI / OXIBD / OXILR	ERA INTI	ERA ONE	ERA ONE BD	ERA ONE LR	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	EPMOR	F210	FT210	F210B	FT210B	ELAC	ELDC	WLT
RN2040	•							•	•			•	•	•	•	•				•	•	•			•		

* Radio receiver incompatible with Opera system

Nice

Sumo

For sectional doors and two-wings sliding doors up to 35 m²

24 Vdc electromechanical gear motor with magnetic encoder, no need to adjust limit switches. Perfect for intensive use.

Revolutionary aesthetics: compact, particularly in width, in order to make assembly easy in any position; quick to install.

Easy to install: can be fitted directly onto the shaft of sectional doors. Perfect for Ø 25.4 mm shafts and can be used also with Ø 31.75-35-40 mm shafts thanks to the CRA9 adapter.

Many different functions with the separate Mindy A924 control unit:

- automatic memorisation of limit switches on opening and closing;
- gradual departure and slowdown during closing;
- integrated battery charge card with optional battery power supply in the event of power failures;
- easy programming by pressing a single button;
- pause time programming and speed adjustment;
- "service" warning light for maintenance (can be programmed according to the number of manoeuvre required).

Case totally made from thick die-cast aluminium

Inspection compartment, easy to access for connections

Release cord, 6.5 m long, with emergency handle

Nice

COMMON ACCESSORIES

A924
Control unit.
Pc./Pack 1

PUL
Central cover with buttons, complete with connecting cable and connected for A500 and A924.
Pc./Pack 1

B12-B
12 V, 6 Ah batteries.
Pc./Pack 1

BA3-A
Nice battery box.

KIO
Key-operated selector switch for low voltage contacts, with release mechanism for metal cord.
Pc./Pack 1

KA1
6 m cable release kit for KIO.
Pc./Pack 1

CRA1
Shaft with 18-tooth pinion Ø shaft 25.4 mm Ø inside crown 25.4 mm.
Pc./Pack 1

CRA2
Joint for chain.
Pc./Pack 1

CRA5
Tensioner drive with brackets, for single or double wing industrial door.
Pc./Pack 1

CRA3
1/2" chain, 1 m pack, plus joint for chain.
Pc./Pack 1

CRA4
1/2" chain, 5 m pack, ideal for single or double wing industrial doors, plus joint for chain.
Pc./Pack 1

CRA6
36-tooth pinion Ø inside 25.4 mm.
Pc./Pack 1

CRA7
18-tooth pinion Ø inside 25.4 mm.
Pc./Pack 1

CRA8
Wall-fixing bracket.
Pc./Pack 2

CRA9
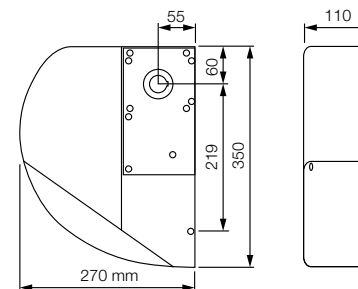Adapter for diameter 31.75 (1.1/4"), 35 and 40 mm shafts.
Pc./Pack 1

TS
Signboard.
Pc./Pack 1

TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
SU2000	Irreversible 24 Vdc, with magnetic encoder, no need to adjust limit switches, from 15 m² up to 35 m²	20
SU2000V	Irreversible 24 Vdc, with magnetic encoder, no need to adjust limit switches, increased speed, from 10 m² fino a 25 m²	20
SU2000VV	Irreversible 24 Vdc, with magnetic encoder, no need to adjust limit switches, high speed, from 10 m² up to 15 m²	20
SU2010	Irreversible 24 Vdc, with magnetic encoder, no need to adjust limit switches, IP54, from 15 m² up to 35 m²	20

Code	SU2000	SU2000V	SU2000VV	SU2010
ELECTRICAL DATA				
Power supply (Vdc)	24			
Absorption (A)	13			
Power (W)	500			
PERFORMANCE DATA				
Speed (rpm)	16	23.5	42	16
Torque (Nm)	120	82	46	120
Work cycle (%)	50			
DIMENSIONAL AND GENERAL DATA				
Protection level (IP)	44			54
Working temp. (°C Min/Max)	-20 ÷ +50			
Dimensions (mm)	110x270x350 h			
Weight (kg)	10.5			

DIMENSIONS

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

Code	control unit/receiver					transmitter				photocells											flashing light		
	DPRO5000/OXI	A924 / FLOXI2R*	MC424L / Built-in*	MC824H / OXI	MC824HR / OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	EPMOR	F210	FT210	F210B	FT210B	ELAC	ELDC	WLT
SU2000		•				•	•	•	•	•	•	•				•	•	•				•	
SU2000V		•				•	•	•	•	•	•	•				•	•	•				•	
SU2000VV		•				•	•	•	•	•	•	•				•	•	•				•	
SU2010		•				•	•	•	•	•	•	•				•	•	•				•	

* Radio receiver incompatible with Opera system

Nice

Spinbuskit 20/22/23

For sectional doors up to 10.5 m² and up-and-over garage doors up to 11.8 m²

Three versions in kit:

- rail in three 1 m pieces SPIN20KCE;
- pre-mounted guide of 4 m (3+1 m) SPIN22KCE;
- with pre-mounted guide of 3 m SPIN23KCE.

Rapid installation - anywhere! The adjustable head, cord-type release and cable-controlled, step-by-step release can be fitted in any part of the garage in order to operate the system without a remote control device and without the need to install wall-mounted control units.

Inexpensive to run and environmentally-friendly: with mains electricity, the control unit in stand-by with radio connected consumes just 5.2 W; connected to a battery or the Solemyo kit, consumption in stand-by drops to 0.036 W.

User-friendly thanks to the BlueBUS system: which enables connection by means of just two wires between the control unit and pair of photocells.

No black out: operation in event of power failure with optional PS124 batteries insertable in the motor.

Safe: obstacle detection system and automatic programming of the working times; motor absorption is monitored during movement, self-diagnosis by means of a flashing light and courtesy LED light.

Adjustable acceleration and deceleration at the start and end of each manoeuvre.

Can be connected with latest generation sensitive edges 8.2 KOhm.

Built-in LED courtesy light.

The kit contains:

SN6021
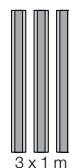1 Gear motor with built-in SN6021 control unit and OXI plug-in receiver.
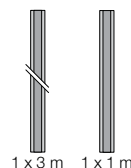
FLO2RE
1 Transmitter 433.92 MHz, 2 channels.
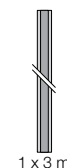
SPIN20KCE
1 Guide in three 1-metre sections.

3 x 1 m

SPIN22KCE
1 Guide in one 3-metre section + one 1-metre section.

1 x 3 m   1 x 1 m

SPIN23KCE
1 Guide in one 3-metre section.

1 x 3 m

COMMON ACCESSORIES

IBT4N
Interface for connecting the O-View programming unit.

Pc./Pack 1

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone. (Not compatible with the Solemyo kit and battery backup.)

Pc./Pack 1

SNA20
Spare control unit, for SPIN20KCE, SPIN22KCE e SPIN23KCE.

Pc./Pack 1

PS124
24 V battery with integrated battery charger.

Pc./Pack 1

SPA2
Kit for unlocking from the outside with cable.

Pc./Pack 1

SPA5
Oscillating arm sliding on bearings with optimised structure for projecting up-and-over doors.

Pc./Pack 1

SPA6
Large 585 mm long connecting arm.

Pc./Pack 1

SPA7
Kit of two additional fixing brackets.

Pc./Pack 2

SNA16
Quick-connect brackets for ceiling mounting.

Pc./Pack 10

TS
Signboard.

Pc./Pack 1

SOLEMYO KIT
The solar power to automate gates, garage doors or barrier gates.

See page 140.

TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
SPIN20KCE	Kit for automating sectional and up-and-over doors. Guide in three 1-metre sections	14
SPIN22KCE	Kit for automating sectional and up-and-over doors. Guide in one 3-metre section + one 1-metre section	15
SPIN23KCE	Kit to automate sectional and up-and-over doors. 3 m rail	15

**N.B.** The content of the package may vary: consult the retailer.

Code	SN6021
ELECTRICAL DATA	
Power supply (Vac 50/60 Hz)	230
Absorption (A)	0.8
Power (W)	270
PERFORMANCE DATA	
Speed (m/s)	0.20
Force (N)	650
Working cycle (cycles/day)	50
DIMENSIONAL AND GENERAL DATA	
Protection level (IP)	40
Working temp. (°C Min/Max)	-20 ÷ +55
Dimensions (mm)	311x327x105 h
Weight (kg)	3.6

UTILISATION LIMITS

Using the maximum travel

	Non-projecting up-and-over door		Projecting up-and-over door		Sectional	
	H	L	H	L	H	L
SPIN20KCE	2.2 m	4.2 m	2.8 m	4.2 m	2.4 m	4.4 m
SPIN22KCE	3.2 m	2.9 m	3.5 m	3.4 m	3.4 m	3.1 m
SPIN23KCE	2.2 m	4.2 m	2.8 m	4.2 m	2.4 m	4.4 m

DIMENSIONS

105   327 mm   324

OPERA **24V**
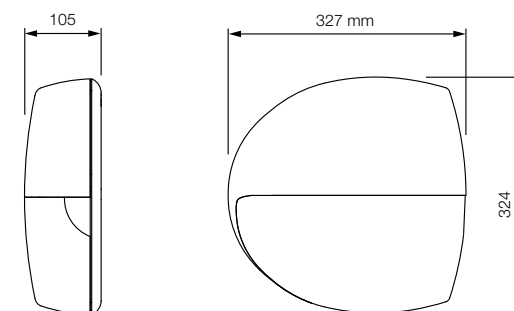
Spykit 550

For sectional doors up to 9 m² and up-and-over doors (including canopy doors) up to 10.5 m²

24 Vdc irreversible electromechanical gear motor for residential use, transmission with rack on the rail.

To be combined with SPYRAIL321, SPYRAIL162 and SPYRAIL081 rails.

Functional and stylish: the motor is the only component that moves on the rail, there are no chains or other noisy mechanisms. Ideal for any architectural context.

Handy: Separate control unit: more practical and convenient for programming and maintenance. Built-in LED courtesy light. Three practical keys to control the automation.

Quick to install: modular rail with assembly accessories. Limit switches easy to position along the rail with no need to stand and work on the ceiling. No chains or other noisy mechanisms to install.

Easy to program: simple and fast basic programming, using the Quick Setup procedure. Simplified advanced programming, using O-View.

ON/OFF release system: pulling the release knob once releases the motor; pulling it a second time blocks the motor again, in any position along the rail.

Inexpensive to run and environmentally-friendly: when connected to the mains in standby mode, the control unit consumes 1.5 W.

Safe: obstacle detection, motor power monitoring during travel, diagnostic messages via flashing light and courtesy light.

Adjustable acceleration and deceleration at the start and end of each manoeuvre.

Ready for installation of the latest generation 8.2 kOhm resistive sensitive edges.

Optimised logistics: for practical management and transport, the rails are available in different sizes: single 3.2 m long rail, or supplied in two 1.6 m sectionsplus a 0.8 m extension.

The kit contains:

SPY550
1 SPY550 gearmotor, 550 N.

SPYBOX
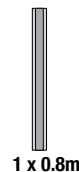1 Control unit with built-in LED courtesy light and receiver.
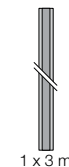
FLO2RE
1 Transmitter 433.92 MHz, 2 channels.

SPYRAIL081
1 extension in 0.8m section.

SPYRAIL321
1 Guide in one 3-metre section.

1 x 0.8m

1 x 3 m

COMMON ACCESSORIES

IBT4N
Interface for connecting the O-View programming unit.

Pc./Pack 1

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone.

Pc./Pack 1

SPA5
Oscillating arm sliding on bearings with optimised structure for projecting up-and-over doors.

Pc./Pack 1

SPA6
Large 585 mm long connecting arm.

Pc./Pack 1

KI1
Outside release kit with metal pull-cord and lock and key.

Pc./Pack 1

SPA2
Kit for unlocking from the outside with cable.

Pc./Pack 1

TS
Signboard.

Pc./Pack 1

TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
SPY550KCE	Kit for the automation of sectional and up-and-over doors, 550 N, with SPYBOX control unit and 1 FLO2RE transmitter. Rails not included	48

Code	SPY550KCE
ELECTRICAL DATA	
Power supply (Vac 50/60 Hz)	230 ± 10%
Absorption (A)	1.2
Maximum power (W)	200
Power in standby (W)	1.5
PERFORMANCE DATA	
Maximum speed (m/s)	0.15
Maximum force (N)	550
Nominal force (N)	180
Work cycle (cycles/hour)	20
Working cycle (cycles/day)	200
DIMENSIONAL AND GENERAL DATA	
Protection level (IP)	IP40
Working temp. (°C Min/Max)	-20 ÷ +55
Pack dimensions (mm)	380x380x125 h
Weight (kg)	3.2

RAIL TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
SPYRAIL321	1 x 3.2 m rail with assembly accessories	48
SPYRAIL162	2 x 1.6 m rails with assembly accessories	48
SPYRAIL081	0.8 m extension with assembly accessories (to add to the other rails so as to reach a length of 4 m)	48

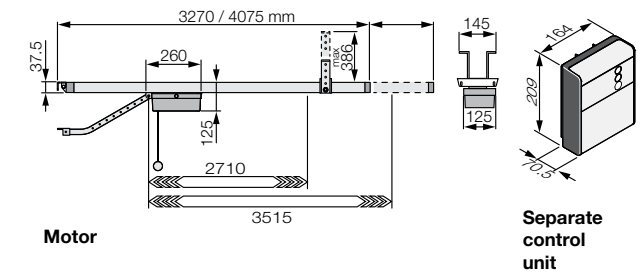| Code	SPYRAIL321	SPYRAIL162	SPYRAIL081*
Type	3.2 m (one section)	3.2 m (2 pcs length 1.6 m)	0.8 m (rails to reach length 4 m)
Installed rail length (mm)	3270		4075
Useful travel (mm)	2710		3515
Weight (kg)	7.5	8.35	3.3
Pack dimensions (mm)	3230x110x50	1760x110x50	960x110x50
Accessories pack dimensions (mm)	400x400x90		

* To be used in combination with SPYRAIL321 e SPYRAIL162 rails

UTILISATION LIMITS

Using the maximum travel

	Non-projecting up-and-over door (with SPA5)		Projecting up-and-over door (with SPA5) or with springs (without SPA5)		Sectional	
	H	L	H	L	H	L
SPY550 with 3.2 m rail	2.3 m	3.5 m	2.8 m	3.5 m	2.5 m	3.6 m
SPY550 with 4 m rail	3.1 m	2.6 m	3.5 m	2.9 m	3.3 m	2.8 m

DIMENSIONS

Motor

3270 / 4075 mm · 37.5 · 260 · 125 · 2710 · 3515 · max 386

Separate control unit

145 · 164 · 209 · 125 · 70.5

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

	receiver			transmitter				photocells													flashing light		
Code	Built-in*	SMXI	OXI	ERA INTI	ERA ONE**	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	EPMOW	EPMOR	F210	FT210	F210B	FT210B	ELAC	ELDC	WLT
SPYBOX	•			•	•	•	•	•	•	•					•	•	•				•	•
SPYBOXB	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•

* Radio receiver incompatible with Opera system
** ERA ONE remote controls, when used with SPYBOX, work as ERA FLOR models

ETNice

DC Blue
Advanced Roll up

Designed for residential roll-up doors
garage doors up to 8m²

DC Blue Advanced Roll-up Garage Door Operator
- cost effective residential roll-up door operator
- reliable operation through advanced door load profiling
- easy installation
- no physical limit switches to setup
- separate control box
- true battery backup (operator not battery dependent)
- bright led courtesy light
- better security
- ET-blu mix© receiver (unhackable & uncrackable)
- door alarm monitoring
- safety beam monitoring
- electric lock control feature
- holiday lock-out

ACCESSORIES

ET-BLU MIX
Rolling code remote transmitter.

ET-BLU MIX
Rolling code receivers.

ET-BLU MIX
Long range transmitter/receiver equipment.

E-PAD O2
Wireless access control keypad.

STRIKE LOCK

E-COMS RELAY MODULE
For switching of external lights or locks.

BLUE i
Safety beams.

BATTERY BACKUP

EMERGENCY ESCAPE LOCK

SOLEMYO KIT
The solar power to automate gates, garage doors or barrier gates.

See page 140.

BATTERY BACK-UP SHOULD POWER FAIL

PROUDLY DESIGNED AND MANUFACTURED IN SOUTH AFRICA

TECHNICAL SPECIFICATIONS

Code	DC BLUE ADVANCED ROLL-UP
Input voltage: (Standard kit option)	220VAC, 50Hz
Primary supply to the electric motor	24V Toroidal transformer
Battery backup	Yes BUT not battery dependent (battery optional)
Duty Cycle Maximum	25% with 220Vac present*
Number of operations on battery reserve w/out AC mains present	25 within the first 24h of power failure**
Maximum door size	8m²
Applicable door types	One-piece roll-up doors
Maximum running load	40Nm**
Rated speed	10 m/min (Drum speed)†
Built-in receiver	434MHz, ET-Blu Mix © rolling code with 31 user capacity

* At rated running load ** Battery charge level and health dependent
† Dependent on factors such as battery status, door load, mains voltage, environment

DIMENSIONS
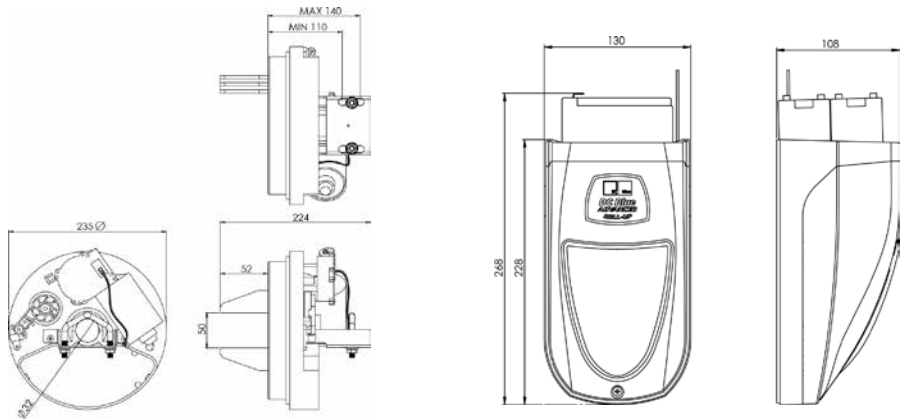
DC Blue
Advanced Pico/ Advanced

DC Blue Advanced Pico (Up & over and Sectional Garage Door Motor)

- cost effective single garage door automation
- intelligent door load profiling for added safety and control
- reliable and powerful proven DC Blue Advanced technology
- simple to program and fault find with 7 segment LED display
- sleek, modern design
- safety beam input
- selectable automatic closing LED courtesy light; optional external light control
- added security via optional electric lock control
- built-in ET-Blu Mix® enhanced rolling code receiver

DC Blue Advanced (Up & over and Sectional Garage Door Motor)

- battery backup (Battery Included)
- LED programming and fault display
- LED courtesy light
- powerful motor
- safety beam input
- adjustable electronic limits and force control
- selectable automatic closing
- on-board dual channel rolling code radio receiver (©G&C Electronics CC T/A E.T. Systems 2010)
- 2 x 4 button dual technology remotes
- audible diagnostics
- electronic lock-out
- optional external status, light and lock control

Drawbar available with either chain drive or super silent, steel reinforced belt drive

ACCESSORIES

ET-BLU MIX
Rolling code remote transmitter.

ET-BLU MIX
Rolling code receivers.

ET-BLU MIX
Long range transmitter/receiver equipment.

E-PAD O2
Wireless access control keypad.

STRIKE LOCK

E-COMS RELAY MODULE
For switching of external lights or locks.

BLUE i
Safety beams.

BATTERY BACKUP

EMERGENCY ESCAPE LOCK

BELT DRIVE
Super silent and steel reinforced.

SOLEMYO KIT
The solar power to automate gates, garage doors or barrier gates.

See page 140.

PROUDLY DESIGNED AND MANUFACTURED IN SOUTH AFRICA

TECHNICAL SPECIFICATIONS

Code	DC BLUE ADVANCED PICO	DC BLUE ADVANCED
Input voltage: (Standard kit option)	230VAC, 50Hz-60Hz	230VAC, 50Hz-60Hz
Primary supply to the electric motor	24V Toroidal transformer	24V Toroidal transformer
Maximum duty cycle with mains present	25%*	25%*
Number of operations on battery	50 within first 24h of power failure**	50 within first 24h of power failure**
Maximum door size	10m^2	15m^2
Applicable door types	Trackless tip-up or sectional overhead	Trackless tip-up or sectional overhead
Maximum pulling force	600N**	1000N**
Rated running load (m)	30kg/f	35kg/f
Rated speed (n)	8m/min†	8m/min†
Built-in receiver (m/s)	434MHz, 4 channel, ET BLU MIX® Enhanced rolling code 35 button capacity	434MHz, 4 channel, ET BLU MIX® Enhanced rolling code 35 button capacity

* At rated running load. ** Battery charge level and health dependent.
† Dependent on factors such as battery status, door load, mains voltage, environment

DIMENSIONS

2370mm (Up & Over)
3370mm (Sectional)
3870mm

Commercial
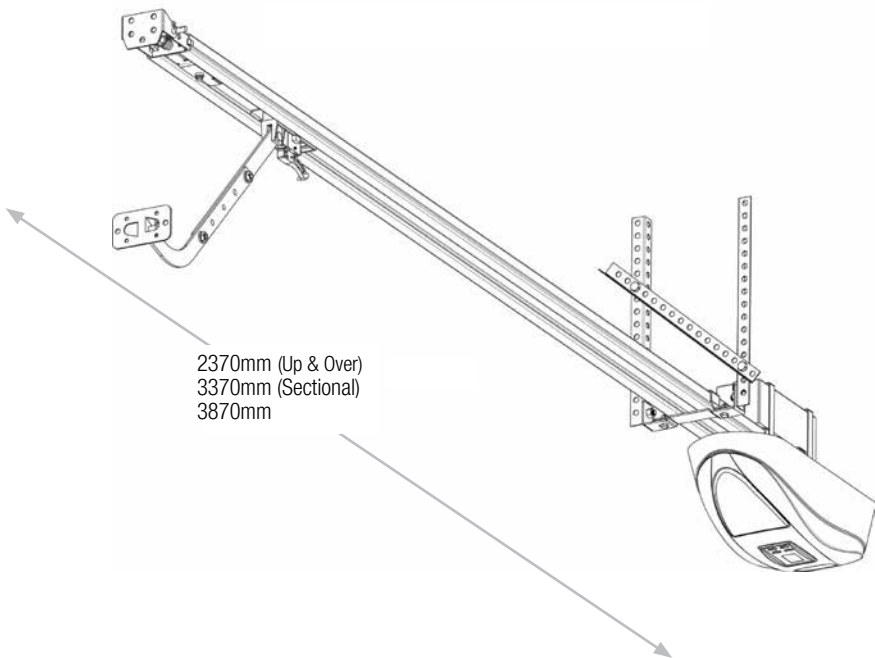
High Speed Automation Systems for Sliding and Swing Gates +Drive Bolt Lock

Sliding Gate Operators - Low Voltage	**86**	**230/450 LVL**
Sliding Gate Operators	**88**	**315 LI/450 LI/630 LI/940 PI**
	90	**315/450/630 L**
Chain Sliders	**92**	**630 CH HD**
		630 CH
Belt Drive	**94**	**450/630 Belt**
		230/450 LVL Belt
Swing Gate Operators	**96**	**4/6 LV**
		4/6/7/8
Drive Bolt	**100**	**Entry Level Drive Bolt**
Drive Bolt Slim	**101**	**Drive Bolt GDS D8 Slim (130 or 130 SLIM)**

MANUFACTURED AND DESIGNED IN AUSTRALIA

Nice Australia recommend that all gate automation should include photo electric cells, warning signs and any other safety device required for the individual installation

# Sliding Gate Operators

Low voltage

230/450 LVL

Low voltage sliding gate operators have been designed to fill a place in the market specifically for large industrial operators with low voltage requirements. These operators are for use on track gates on level ground.

Low voltage sliding gate opertors
- compact
- quick fitting
- high duty cycle
- inbuilt control panel with 24v supply and battery backup as standard
- variable ramp up, ramp down, DC drive with variable open and close speeds
- 316 stainless steel cover
- control board has the facility for
    - safety photo electric cells
    - induction loops
    - remote control
    - contacts available for other functionality

316 stainless steel cover
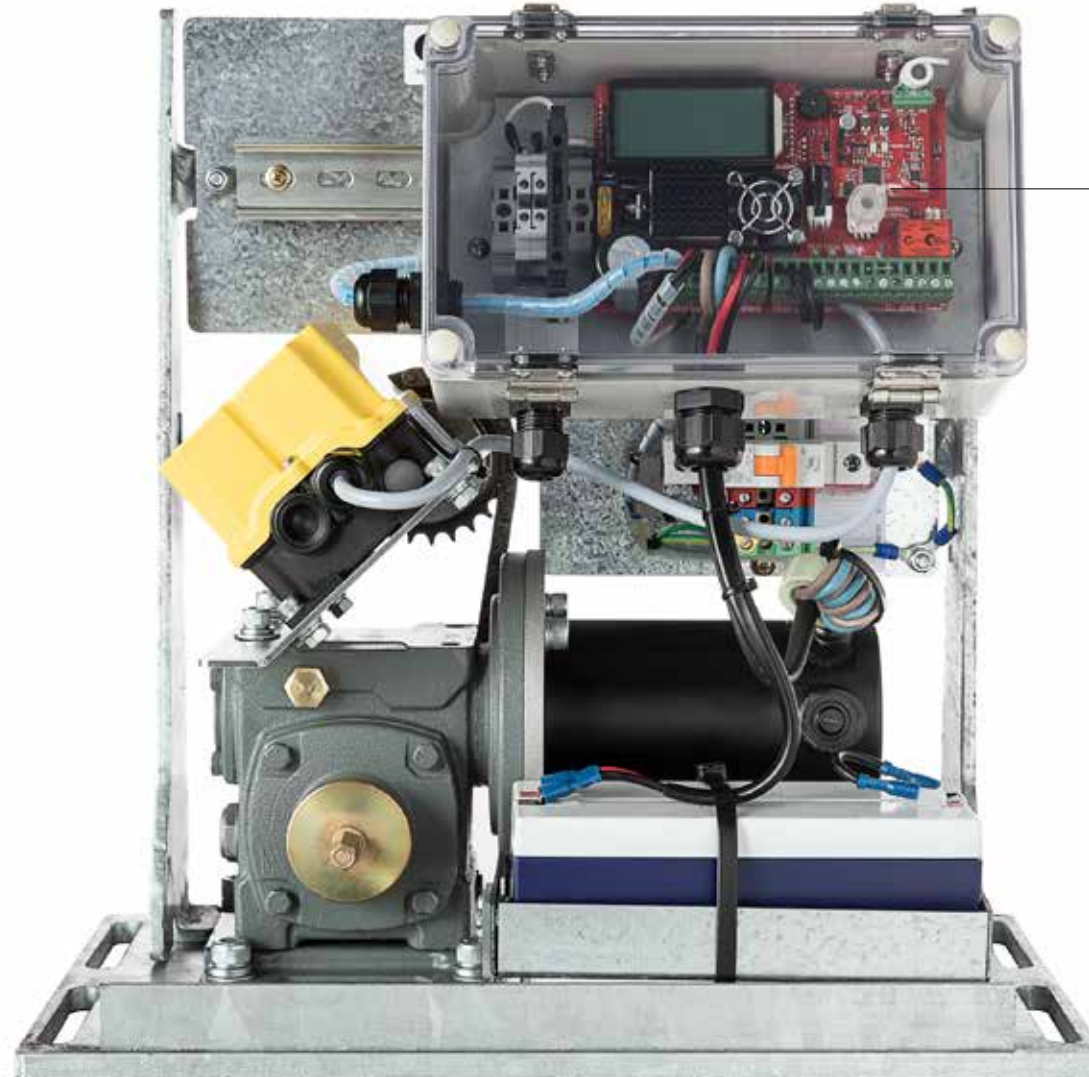
Inbuilt control panel with 24v supply and battery backup as standard

ACCESSORIES

BUMP KIT
Sensitive Edge Safety Strip High Mechanical edge/aluminium profile 1.5m in length.

FT 210 NICE
Optical device, with wireless transmitter to secure on movable leaf, horizontal adjustable through 210° and 30° vertically for an automation according to standards.

F 210 NICE
Synchronised photocells horizontally adjustable through 210° and 30° vertically -simply perfect installations.

NIR-50 REFLECTIVE PE
12-24VDC
24-240VAC

RN6D
Heavy duty nylon rack 6 lugs down.

JAB 13500405
12-24AC/DC

MCSV2
Elsema MCSv2 board
A circuit board to suit a range of low voltage applications.

LD ULTRA DIN
Ultra DIN Loop Detector 9-30V DC (12-24vdc/24vac)
Application Loop Detectors for sensing traffic presence.

FOB43304
4 Channel Pentafob transmitter hardwearing and durable.
For use with receiver boards.

**S LSW**
50:1/100:1
Ravioli limit switch.

BS-FLO1
12-24VDC
LED Flashing Light
24VDC

TECHNICAL SPECIFICATIONS

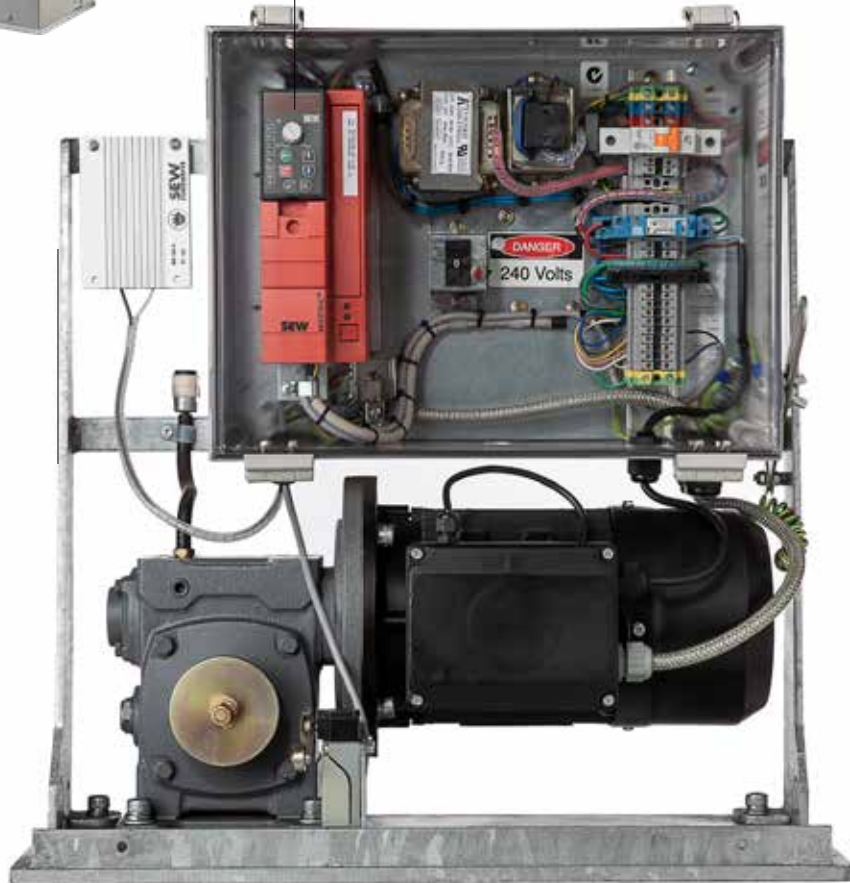| MODEL	230 LVL	450 LVL
Motor Power	24v 120w DC	24v 120w DC
Gate Size Max	600kg, 8m approx	500kg, 8m approx
Input Power	240v AC or low voltage inc solar	240v AC or low voltage inc solar
Speed	230mm/sec ramp up ramp down feature	450mm/sec ramp up ramp down feature
Duty Cycle	100%	100%
Battery Backup	2 x 2.3 AH Batteries included	2 x 2.3 AH Batteries included
Control Board	Elsema MCSv2	Elsema MCSv2

DIMENSIONS
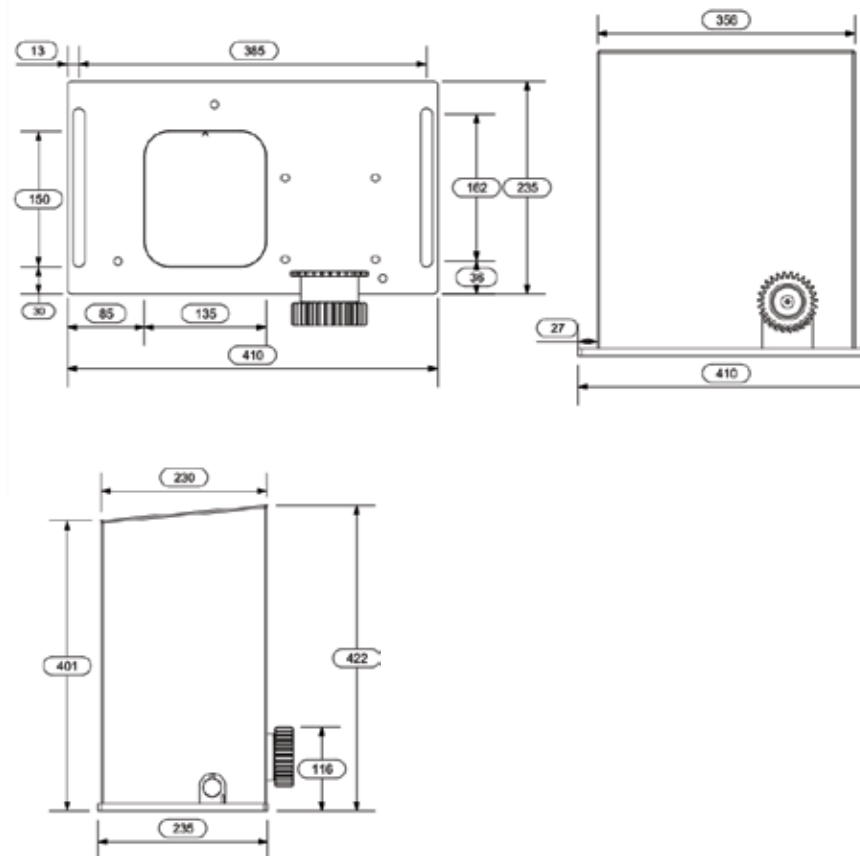
Sliding Gate Operators

315LI/450LI/630LI/940PI

Single phase 240v inverter driven sliding gate operators are designed to provide the force and intensity of a 3 phase motor with the convenience of single phase input.

Inverter upgrades available to suit your application.

Sliding gate opertors

- inverter driven with a powerful microprocessor control board which allows maximum functionality for easy control over ramp up/ramp down and opening/closing speeds for the ultimate experience in gate automation
- fast emergency stopping feature with inbuilt easy limits
- 100% duty cycle
- cast iron industrial grade gearboxes

316 stainless steel cove

GDS 940 PI with smart inverter driven controls

GDS 630 LI with Delta inverter

DANGER 240 Volts

940PI

315LI/450LI/630LI

ACCESSORIES

BUMP KIT
Sensitive Edge Safety
Strip High Mechanical
edge/aluminium
profile 1.5m in length.

FT 210 NICE
Optical device, with
wireless transmitter to
secure on movable leaf,
horizontal adjustable
through 210° and
30° vertically for an
automation according
to standards.

F 210 NICE
Synchronised
photocells horizontally
adjustable through
210° and 30°
vertically -simply
perfect installations.

NIR-50
REFLECTIVE PE
12-24VDC
24-240VAC

RN6D
Heavy duty nylon
rack 6 lugs down.

FOB43304
4 Channel Pentafob
transmitter hardwearing
and durable.
For use with receiver
boards.

CB6
ATA CB6 board

A circuit board to suit
a range of 240 volt
applications.

LD ULTRA DIN
Ultra DIN Loop
Detector 9-30V DC
(12-24vdc/24vac)

Application
Loop Detectors
for sensing traffic
presence.

SEW INVERTER
.75KW
.37KW

S LSW
50:1/100:1
Ravioli limit switch.

S-F/L REL
Flashing light relay for
CB6

G-2025
Elsema GSM

BS-FLO1
12-24VDC
LED Flashing Light
24VDC

DELTA INVERTOR
DRIVE

JAB 13500405
12-24AC/DC

S POWER SUPPLY
240VAC-12VDC

TECHNICAL SPECIFICATIONS

MODEL	315	450	630	GDS 940
Motor Power	750w	550w	750w	750w
Gate Speed (approx)	315mm/sec	450mm/sec	630mm/sec	940mm/sec
Input Power	240v 10A	240v 10A	240v 10A	240v 10A
Linear Force	up to 200kg	up to 80kg	up to 100kg	up to 100kg
Gate Weight	3500kg	800kg	2000kg	1000kg

DIMENSIONS

Nice gds
gate drive systems australia
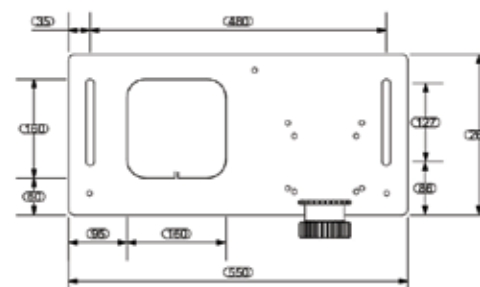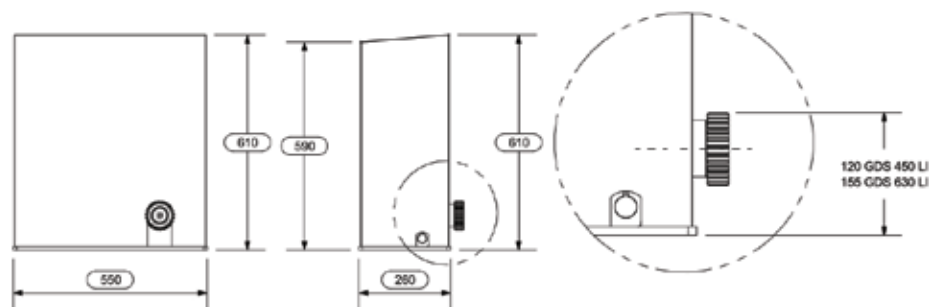
Sliding Gate Operators
315/450/630L

Single phase or 240v inverter driven sliding gate operators are designed to provide the force and intensity of a 3 phase motor with the convenience of single phase input.

Inverter upgrades available to suit your application.

Sliding gate opertors

- inverter driven with a powerful microprocessor control board which allows maximum functionality provides easy control over ramp up/ramp down and opening/closing speeds for the ultimate experience in gate automation
- fast emergency stopping feature with inbuilt easy limits
- 100% duty cycle
- Cast iron industrial grade gearboxes

industrially powder coated cover

316 stainless steel cover

Remotely mounted control panel for ease of installation

Cast iron industrial grade gearboxes

ACCESSORIES

BUMP KIT
Sensitive Edge Safety Strip High Mechanical edge/aluminium profile 1.5m in length.

FT 210 NICE
Optical device, with wireless transmitter to secure on movable leaf, horizontal adjustable through 210° and 30° vertically for an automation according to standards.

F 210 NICE
Synchronised photocells horizontally adjustable through 210° and 30° vertically -simply perfect installations.

NIR-50 REFLECTIVE PE
12-24VDC
24-240VAC

RN6D
Heavy duty nylon rack 6 lugs down.

FOB43304
4 Channel Pentafob transmitter hardwearing and durable.
For use with receiver boards.

CB6
ATA CB6 board
A circuit board to suit a range of 240 volt applications.

LD ULTRA DIN
Ultra DIN Loop Detector 9-30V DC (12-24vdc/24vac)
Application Loop Detectors for sensing traffic presence.

DELTA INVERTOR DRIVE

S LSW
50:1/100:1
Ravioli limit switch.

S-F/L REL
Flashing light relay for CB6

G-2025
Elsema GSM

BS-FLO1
12-24VDC
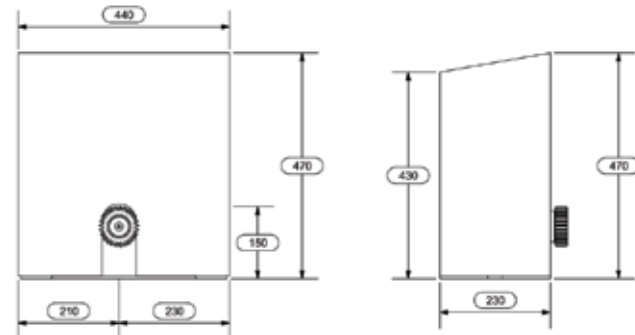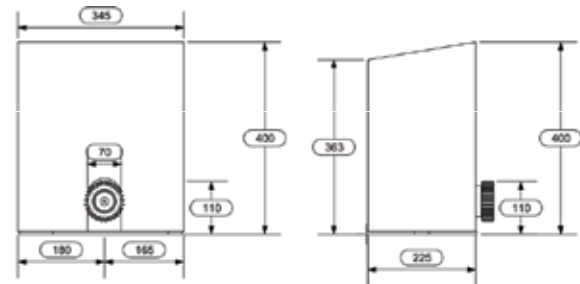LED Flashing Light
24VDC

JAB 13500405
12-24AC/DC
Buzzer

S POWER SUPPLY
240VAC-12VDC

TECHNICAL SPECIFICATIONS

MODEL	315	450	630
Motor Power	750w	550w	750w
Gate Speed (approx)	315mm/sec	450mm/sec	630mm/sec
Input Power	240v 10A	240v 10A	240v 10A
Linear Force	up to 200kg	up to 80kg	up to 100kg
Gate Weight	3500kg	800kg	2000kg

DIMENSIONS

Chain Sliders

630CH HD (HEAVY DUTY), 630 CH

Single phase 240v inverter and chain driven sliding gate operators are designed to provide the force and intensity of a 3 phase motor with the convenience of single phase input. Chain Sliders are perfect for uneven ground, long/heavy gates (approx. 2 tonnes) that may be subject to bending during hot weather.

Invertor upgrades available to suit your application.

Chain sliders
- inverter driven with a powerful microprocessor control board which allows maximum functionality provides easy control over ramp up/ramp down and opening/closing speeds for the ultimate experience in gate automation
- 100% duty cycle
- cast iron industrial grade gearboxes

Industrially powder coated cover

Smart inverters for functionality

DANGER
240 Volts

ACCESSORIES

BUMP KIT
Sensitive Edge Safety Strip High Mechanical edge/aluminium profile 1.5m in length.

FT 210 NICE
Optical device, with wireless transmitter to secure on movable leaf, horizontal adjustable through 210° and 30° vertically for an automation according to standards.

F 210 NICE
Synchronised photocells horizontally adjustable through 210° and 30° vertically -simply perfect installations.

NIR-50 REFLECTIVE PE
12-24VDC
24-240VAC

S CHAIN AND SPACER

FOB43304
4 Channel Pentafob transmitter hardwearing and durable.
For use with receiver boards.

CB6
ATA CB6 board
A circuit board to suit a range of 240 volt applications.

LD ULTRA DIN
Ultra DIN Loop Detector 9-30V DC (12-24vdc/24vac)
Application
Loop Detectors for sensing traffic presence.

DELTA INVERTOR DRIVE

S-F/L REL
Flashing light relay for CB6

G-2025
Elsema GSM

BS-FLO1
12-24VDC
LED Flashing Light 24VDC

JAB 13500405
12-24AC/DC
Buzzer

S POWER SUPPLY
240VAC-12VDC

TECHNICAL SPECIFICATIONS

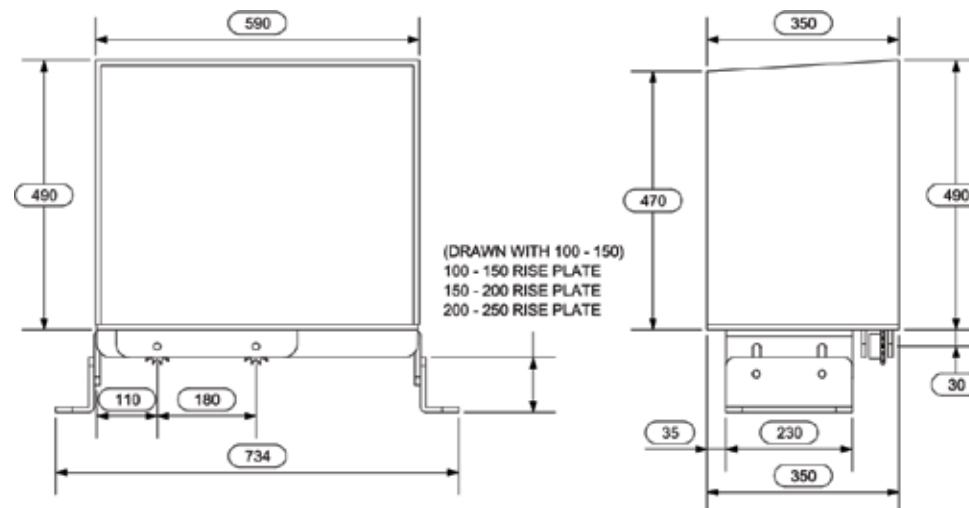| MODEL	630 CH	630 CH HD
Motor Power	750 w	1100 W
Gate Size Max	630mm/sec variable speed	630mm/sec variable speed
Input Power	240V 10A	240V-10A

TECHNICALITIES

Includes chain mounting bracket and holders

It's recommended that chain supports are installed at a maxium of one metre apart

Unit is fixed by bolting the mounting plate with four M12 masonry anchor bolts

Chain sold seperately

DIMENSIONS

(DRAWN WITH 100 - 150)
100 - 150 RISE PLATE
150 - 200 RISE PLATE
200 - 250 RISE PLATE

Nice gds
gate drive systems australia

Belt Drive
450/630 BELT, 230/450 LVL BELT

Belt drive systems were developed for a specific need in the market and are available exclusively through Nice Australia.
Belt drive systems combine the features of traditional rack and chain drive systems with lower ongoing maintenance requirements.
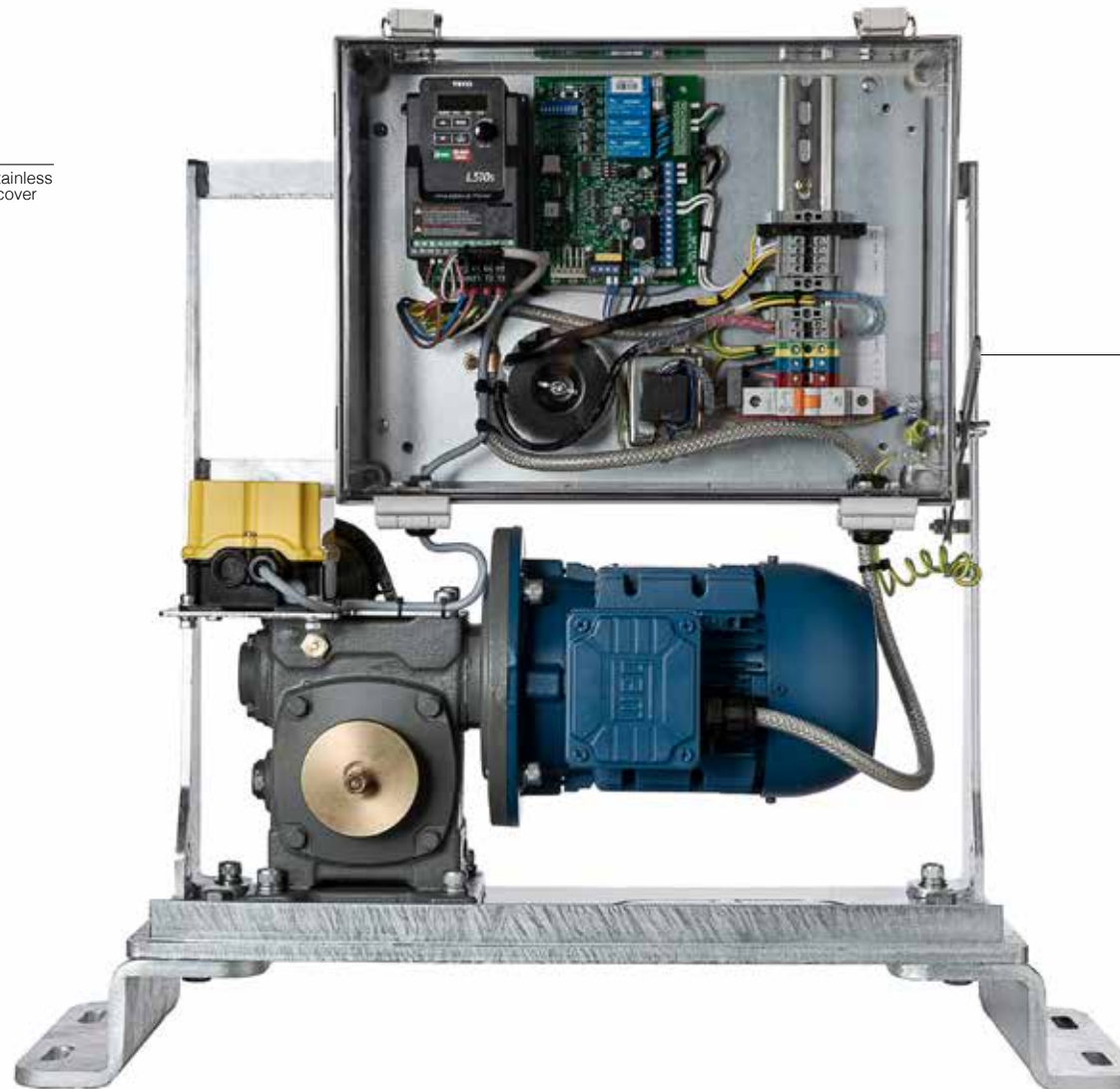
Inverter upgrades available to suit your application.

Belt drive systems
- work at 100% efficiency regardless of the condition of the track or gate
- lubrication is not required for the life of the belt
- fitting is quick compared to traditional rack - alignment is far simpler

316 stainless steel cover

adjustable enclosure easy access

ACCESSORIES

BUMP KIT
Sensitive Edge Safety Strip High Mechanical edge/aluminium profile 1.5m in length.

FT 210 NICE
Optical device, with wireless transmitter to secure on movable leaf, horizontal adjustable through 210° and 30° vertically for an automation according to standards.

F 210 NICE
Synchronised photocells horizontally adjustable through 210° and 30° vertically -simply perfect installations.

NIR-50 REFLECTIVE PE
12-24VDC
24-240VAC

AT10

FOB43304
4 Channel Pentafob transmitter hardwearing and durable.
For use with receiver boards.

CB6
ATA Cb6 board
A circuit board to suit a range of 240 volt applications.

LD ULTRA DIN
Ultra DIN Loop Detector 9-30V DC (12-24vdc/24vac)

Application
Loop Detectors for sensing traffic presence.

DELTA INVERTOR DRIVE

S-F/L REL
Flashing light relay for CB6

G-2025
Elsema GSM

BS-FLO1
12-24VDC
LED Flashing Light 24VDC

JAB 13500405
12-24AC/DC
Buzzer

S POWER SUPPLY
240VAC-12VDC

TECHNICAL SPECIFICATIONS

| MODEL	450 BELT	630 BELT	230 LVL BELT	450 LVL BELT
Motor Power	550 w	750 w	24V 120 W	24V 120 W
Gate Speed (approx)	450mm/sec variable speed	300-630mm/sec variable speed	230mm/sec variable speed	450mm/sec variable speed
Input Power	240V 10A	240V 10A	240V-24V	240V-24V

TECHNICALITIES

Maximum gate length for 630l is 10m.

DIMENSIONS
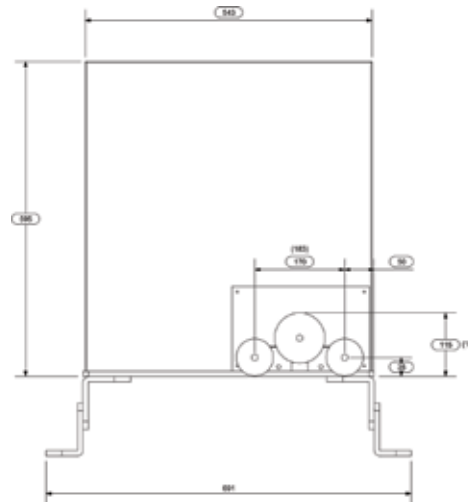
Numbers in Brackets are for the
GDS 630 Belt plate variations
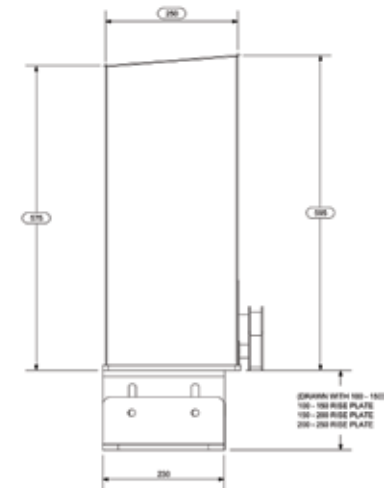
BELT NOT INCLUDED WITH OPERATOR - QUANTITY REQUIRED DEPENDS ON
LENGTH OF GATE: PLEASE ORDER BELT SEPARATELY

Note: All automation applications require external photo electric cell
protection/induction loop and appropriate warning signs and/or devices

Nice gds

Swing Gate Operators

4/6, 4/6LV

Both Low Voltage and 240v swing gate operators have been designed for use in industrial applications such as prisons, electrical switch yards and government buildings where security, reliability and speed are important factors.

Inverter upgrades available to suit your application.

Swing Gate Operators

- utlise two industrial grade cast iron gear boxes with torque control
- override quick disconnect facility should mains fail
- the smart controls mounted in an IP65 stainless steel enclosure allows for variable ramp up, ramp down
- AC drive - variable open and close speeds
- DC drive - contactor/one speed
- 100% duty cycle
- cast iron gearbox with idler shaft
- control board has the facility for
    - safety photo electric cells
    - induction loops
    - remote control
    - contacts available for other functionality

316 stainless steel cover, mounting plate and articulated arms

316 stainless steel cover

Remotely mounted control panel for ease of installation

Robust galvinised chasis

Swing Gate Operators

7S/7D

316 stainless
steel cover,
mounting plate
and articulated arms
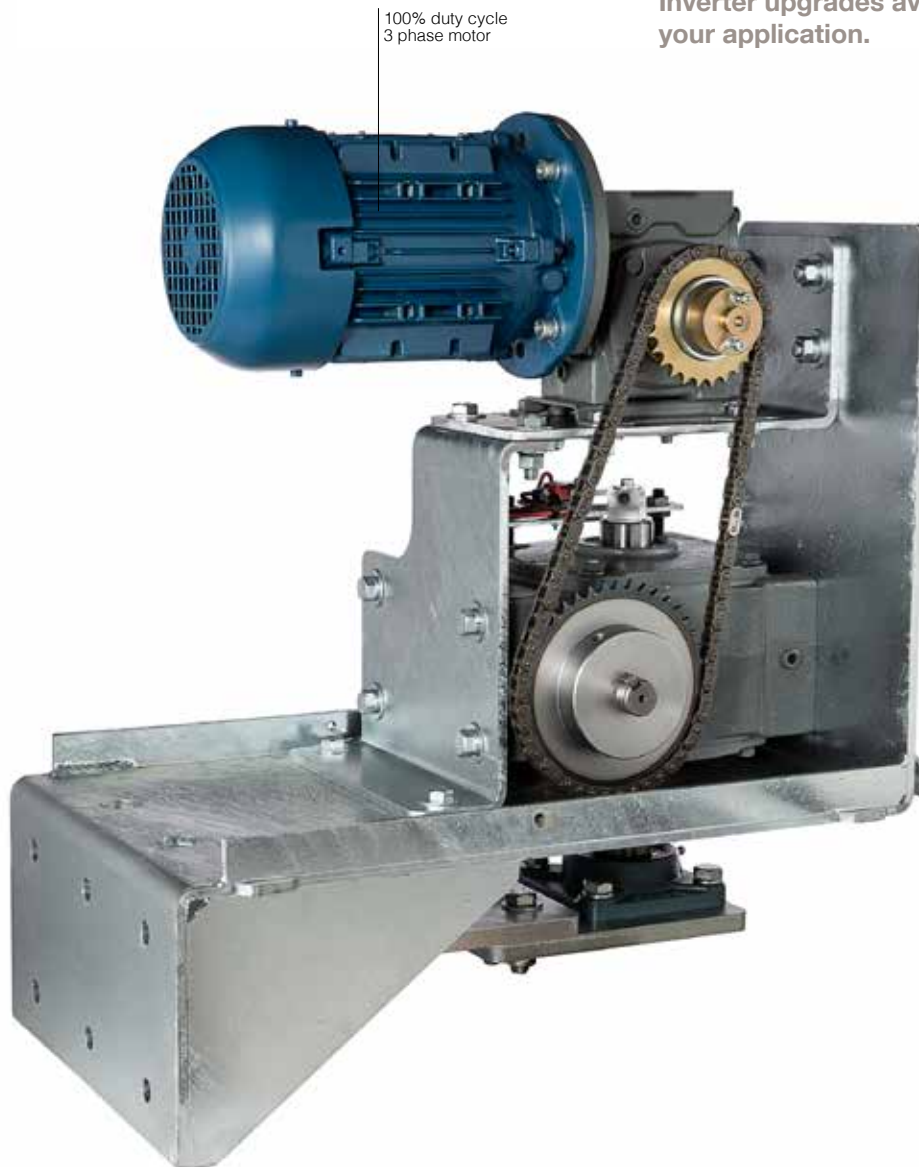
100% duty cycle
3 phase motor

Both Low Voltage and 240v swing gate operators have been designed for use in industrial applications such as prisons, electrical switch yards and government buildings where security and reliability and speed are important factors.

Inverter upgrades available to suit your application.

Swing Gate Operators

- utlise two industrial grade cast iron gear boxes with torque control
- override quick disconnect facility should mains fail
- the smart controls mounted in an IP65 stainless steel enclosure allows for variable ramp up, ramp down
- AC drive - variable open and close speeds
- DC drive - contactor/one speed
- 100% duty cycle
- cast iron gearbox with idler shaft
- control board has the facility for
    - safety photo electric cells
    - induction loops
    - remote control
   - contacts available for other functionality

316 stainless
steel cover

Remotely mounted
control panel for ease
of installation

Swing Gate Operators

8S/8D

240v swing gate operators have been designed for use in industrial applications such as prisons, electrical switch yards and government buildings where security, reliability and speed are important factors.

Inverter upgrades available to suit your application.

Swing Gate Operators

- utlise two industrial grade cast iron gear boxes with torque control
- override quick disconnect facility should mains fail
- the smart controls mounted in an IP65 stainless steel enclosure allows for variable ramp up, ramp down
- 100% duty cycle
- cast iron gearbox with idler shaft
- control board has the facility for
    - safety photo electric cells
    - induction loops
    - remote control
    - contacts available for other functionality

316 stainless steel cover, mounting plate and articulated arms

WEG motor .75 Kw
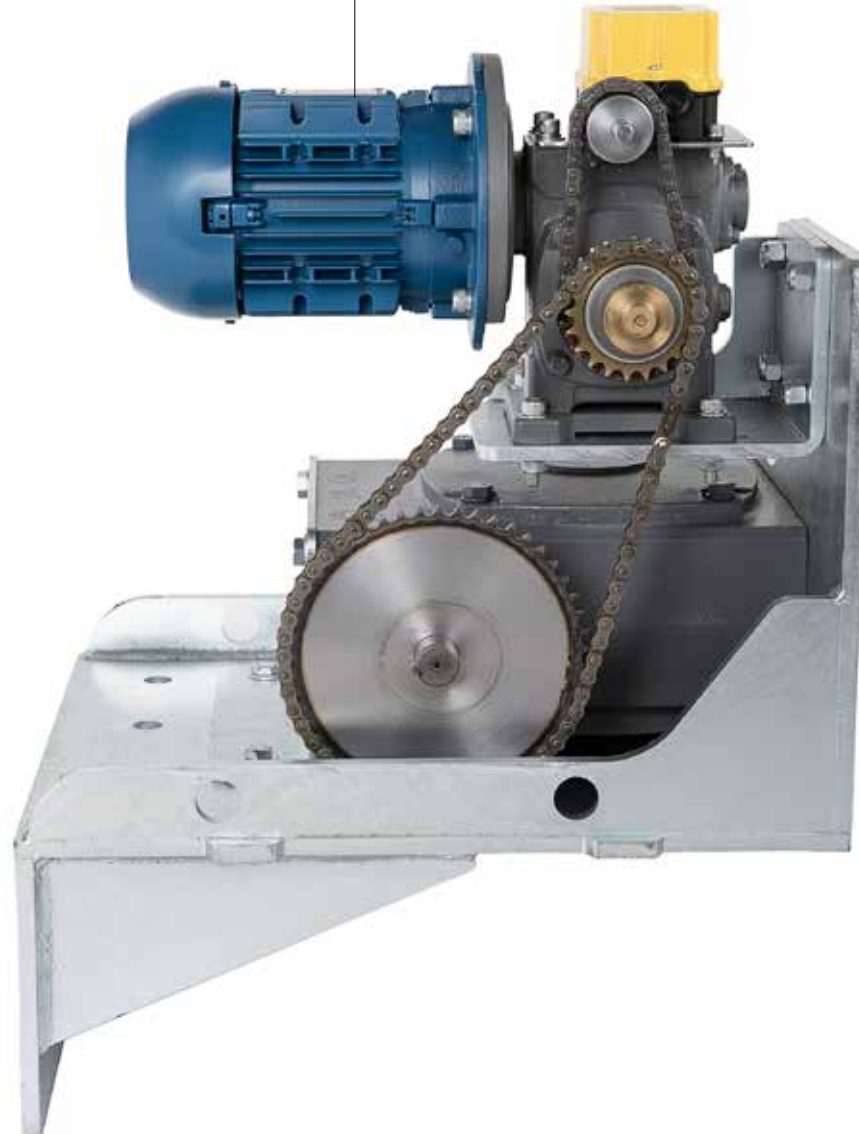
316 stainless steel cover

Remotely mounted control panel for ease of installation

A MAG LOCK
485kg/685kg/700kg
of pulling force
12/24VDC

FT 210 NICE
Optical device, with
wireless transmitter to
secure on movable leaf,
horizontal adjustable
through 210° and
30° vertically for an
automation according
to standards.

F 210 NICE
Synchronised
photocells horizontally
adjustable through
210° and 30°
vertically.

**NIR-50
REFLECTIVE PE**
12-24VDC
24-240VAC

FOB43304
4 Channel Pentafob
transmitter hardwearing
and durable.
For use with receiver
boards.

MCV2
Elsema MCV2 board for
low voltage GDS 4
operators.

CB6
ATA CB6 board
A circuit board to suit
a range of 240 volt
applications.

LD ULTRA DIN
Ultra DIN Loop
Detector 9-30V DC
(12-24vdc/24vac)

Application
Loop Detectors
for sensing traffic
presence.

S POWER SUPPLY
240VAC-12VDC

**DELTA INVERTOR
DRIVE**

S-F/L REL
Flashing light relay for
CB6

S GSM G-2000
Elsema GSM

BS-FLO1
12-24VDC
LED Flashing Light
24VDC

JAB 13500405
12-24AC/DC
Buzzer

MODEL	4 LV	4	6 LV	6	7	8
Motor Power	24v 120w	180w	24v 250w	250w	250w	750w
Gate Length	4m leaf approx	4m leaf approx	6m leaf approx	6m leaf approx	7m leaf approx	8m leaf approx
Input Power	240v 24v	240v 10A	240v 24v	240v 10A	240v 10A	240v 10A

DIMENSIONS

GDS 4
GDS 4 LV

GDS 6
GDS 6 LV
GDS 8 (In Brackets)

BACK VIEW

SIDE VIEW

GDS 10
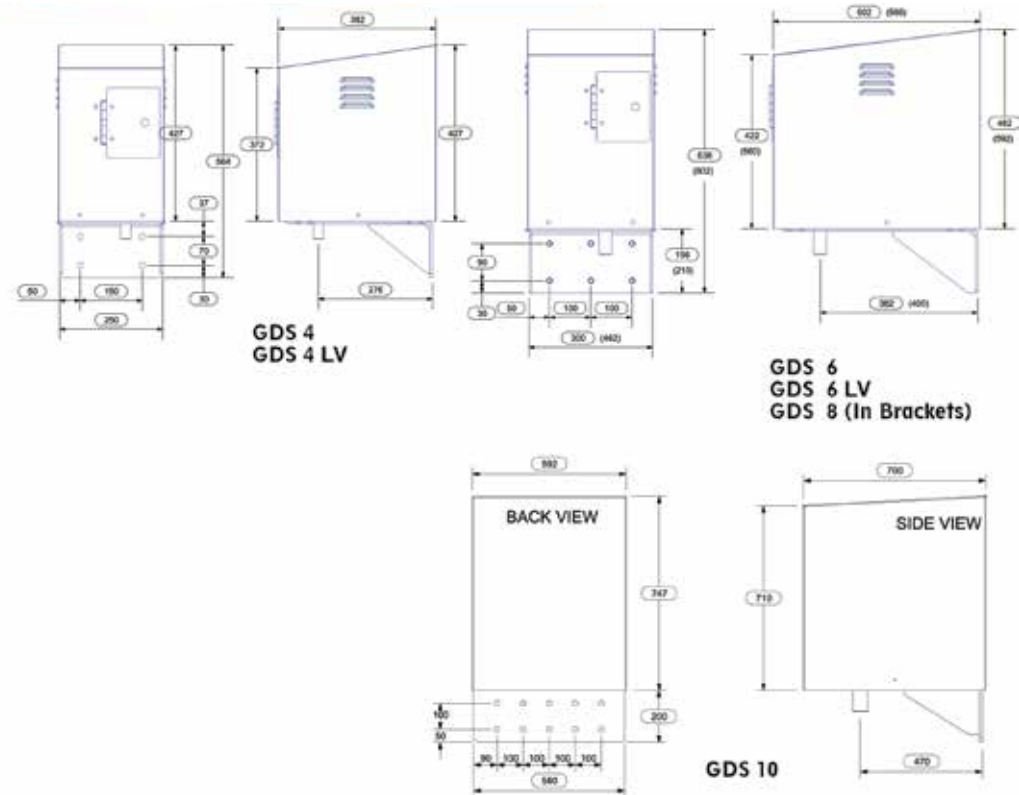
Drive Bolt

Entry level drive bolt

The Drive Bolt ensures secure locking, even in the event of high winds or attempted forced entry.

Drive bolt
- 24V DC operation to allow wiring directly to the control panel outputs
- sequencing with the gate through the control panel is automated to allow a four second delay after operation of the drive bolt to allow the gate to open
- can be used to lock the gate in the open or closed positions (optional)
- 25mm stainless steel (option of 40mm shaft)
- 130mm travel
- Unique override system will not allow the pin to jam and overload if the pin doesn't line up with the hole
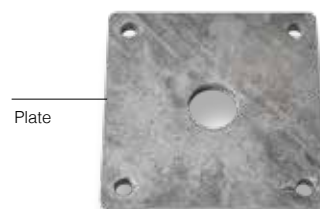
Plate

Sequencing with the gate through the control panel is automated to allow a four second delay after operation of the drive bolt to allow the gate to open

DIMENSIONS
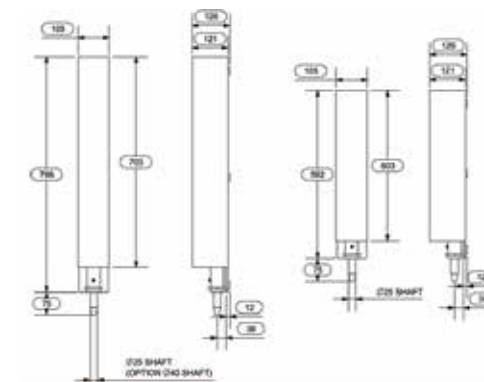
Drive Bolt-Slim

Slim profile drive bolt

The Slim Drive Bolt is designed for smaller gate frames - up to 50mm wide with a 50/130 travel length. The Drive Bolt ensures secure locking, even in the event of high winds or attempted forced entry.

Drive bolt

- 24V DC operation to allow wiring directly to the control panel outputs
- sequencing with the gate through the control panel is automated to allow a four second delay after operation of the drive bolt to allow the gate to open
- can be used to lock the gate in the open or closed positions (optional)
- 25mm stainless steel (option of 40mm shaft)
- 50-130mm travel
- Unique override system will not allow the pin to jam and overload if the pin doesn't line up with the hole
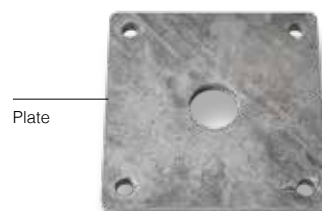
Plate

Designed for smaller gate frames - up to 50mm wide with a 50/130mm travel length

DIMENSIONS

Commercial

Barrier gate operator systems

Nice gds

Boom Barriers

Adjustable 4m-6m arm

Boom barriers are designed with easy installation in mind. The boom barrier comes adjusted to customer requirements and boom arm positioning.

GDS Boom Barrier
- Powerful 80 watt 24V DC geared motor
- Boom arm is 4-6 metres in length and gear box driven
- controls allow for all standard applications such as:
  - photo-electric cells
  - loop detector
  - transmitters
  - keypads and key switches
  - access control systems and ticketing machines
  - battery backup

S BG ARM CH

Articulated Arm
S BG ARM ART (2.5 m x 2.5 m)
Custom size available
S BG ARM ART MOD

Boom arm is 4-6 metres in length and gear box driven
S BG ARM CH

Powerful 80 watt 24V DC geared motor

MCS Elsema control board
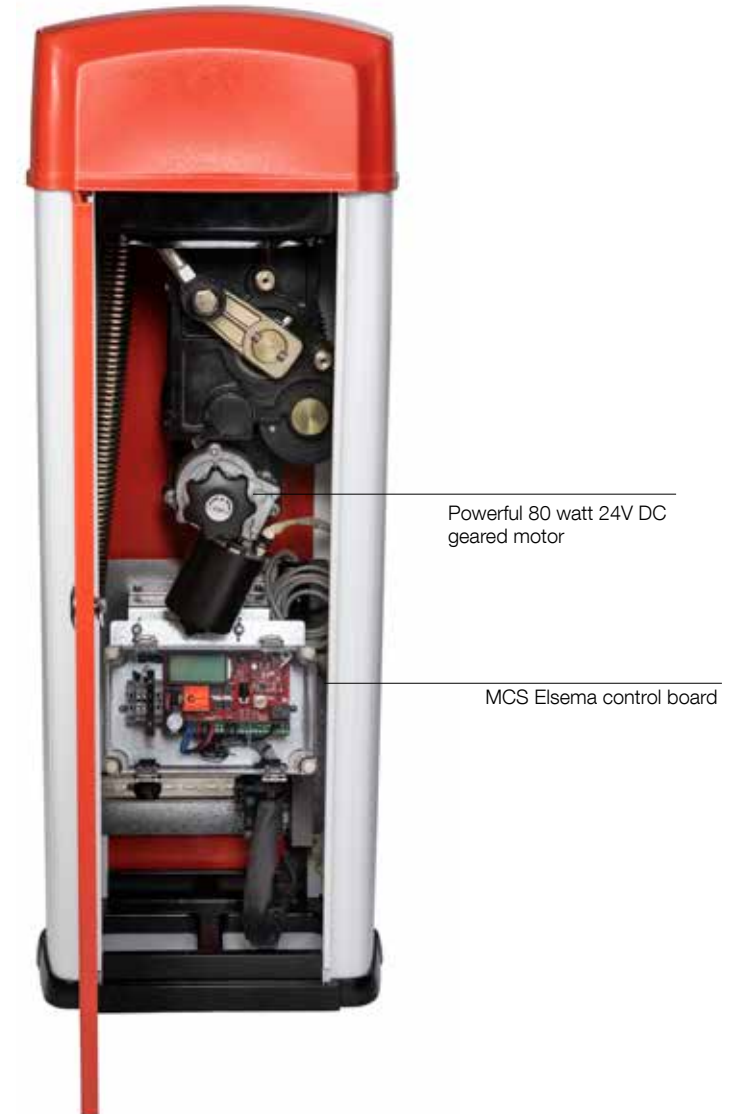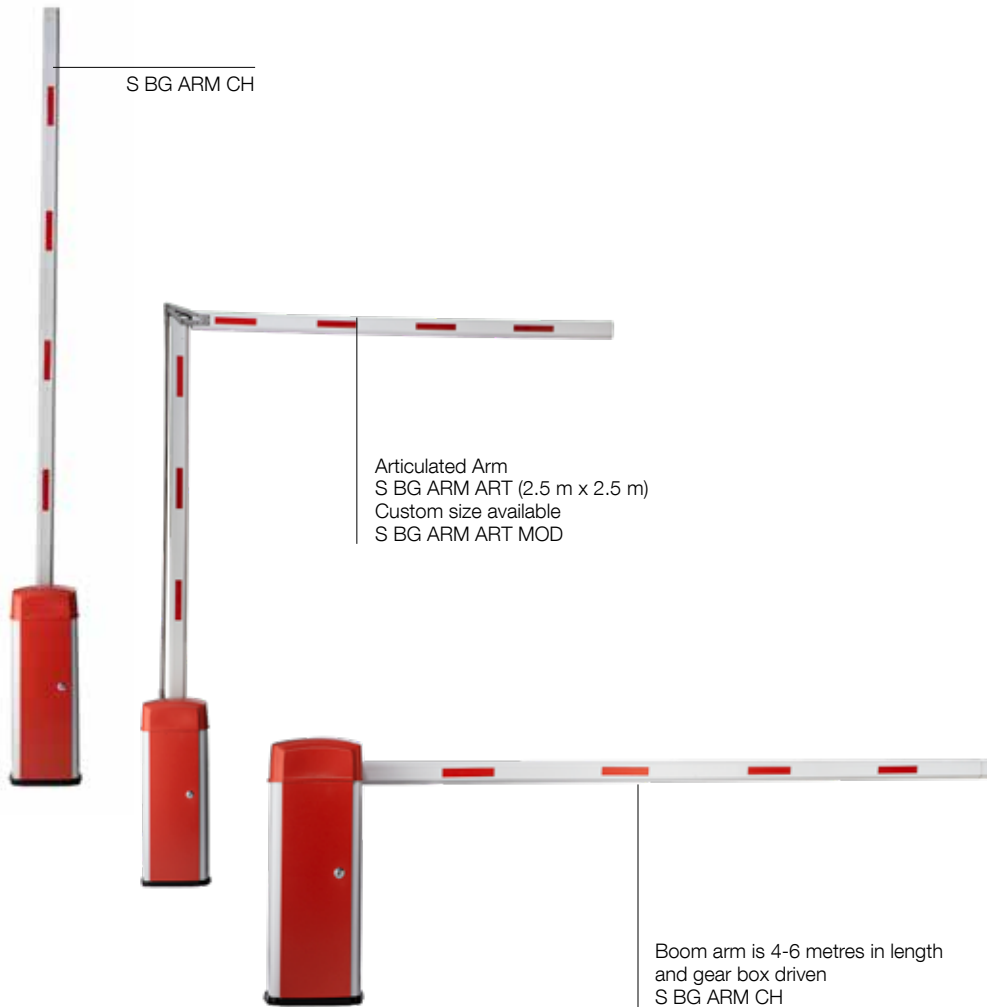
ACCESSORIES

FT 210 NICE
Optical device, with wireless transmitter to secure on movable leaf, horizontal adjustable through 210º and 30º vertically for an automation according to standards.

F 210 NICE
Synchronised photocells horizontally adjustable through 210º and 30º vertically.

NIR-50 REFLECTIVE PE
12-24VDC
24-240VAC

LD ULTRA DIN
Ultra DIN Loop Detector 9-30V DC (12-24vdc/24vac) Loop Detectors for sensing traffic presence.

FOB43304
4 Channel Pentafob transmitter
Hardwearing and durable.
For use with receiver boards.

MCV2
Elsema MCV2 board for low voltage GDS 4/6 operators.

TECHNICAL SPECIFICATIONS

MODEL	BOOM L OR R (ELSEMA) adjustable 4m-6m arm
Power	24v 50Hz, or 24v DC, or Solar
Duty Cycle	Continuous - 100%
Weight	Base 60kg Arm 1.4kg/m
Operational Speed	6 seconds
Operational temperature range	-15º to 60º

\
CONSTRUCTION
Both the drive system and control circuit are fixed to a rigid steel chasis and enclosed by a robust steel cover. The door may by easily opened for service. The cover has a standard white body with orange powder coat lid.

OPTIONAL
Grade 316 stainless steel cabinets

DIMENSIONS

Stainless steel model measurements shown in brackets
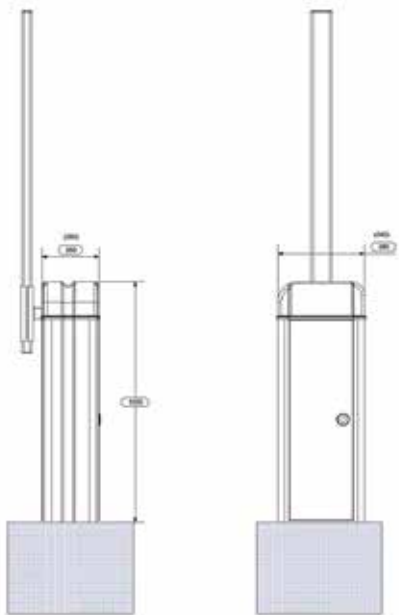
S/M/L Bar
Barrier gate operators for all sizes

High performing, reliable and durable. Elegant, streamlined design. Carefully selected materials. Greater convenience, safety at all times.

Integrated solutions for all requirements.
Barrier gate operators to control road access to car parks, industrial, private and block of flats transit areas, including high traffic ones.

5 models in 3 standard versions, up to 7 modular bars from 3 to 9 m.
Easy transport and optimised management in the warehouse.

Paint-finished aluminium for bar support and cover, with optional flashing light

Nice key release

Steel case with protective cataphoresis treatment and paint finish, or with stainless steel case

Tamper-proof function: provision for integrated assembly of photocells

Selection guide, composition of bars and accessories

Bars and accessories are not
included in the gear motor's code

S4BAR
With specific 4 m bar
Designed for:
protective rubber trim,
indicator lights

4 m

M3BAR
With 3 m bar
Designed for:
protective rubber trim,
indicator lights

3 m

M5BAR
With 4 m bar
Designed for:
protective rubber trim,
indicator lights,
rack (1 pcs),
mobile stand

4 m

With 5 m bar
Designed for:
protective rubber trim,
indicator lights

5 m

M7BAR
With 5 m bar
Designed for:
protective rubber trim,
indicator lights,
rack (2 pcs),
mobile stand

5 m

With 6 m bar (3+3 m)*
Designed for:
protective rubber trim,
indicator lights,
rack (2 pcs),
mobile stand

3 m   3 m

With 7 m bar (3+4 m)*
Designed for:
protective rubber trim,
indicator lights

3 m   4 m

* Use XBA9 joint to assemble bars

L9BAR
With 7 m bar (3+4 m)*
Designed for:
protective rubber trim,
indicator lights,
rack (3 pcs),
mobile stand

3 m   4 m

With 8 m bar (4+4 m)*
Designed for:
protective rubber trim,
indicator lights,
rack (3 pcs),
mobile stand

4 m   4 m

With 9 m bar (4+5 m)*
Designed for:
protective rubber trim,
indicator lights

4 m   5 m

* Use XBA9 joint to assemble bars

| SOLEMYO | OPERA | BLUEBUS | 24V |

S-Bar

Electromechanical road barrier system for control of road access

For bar up to 4 m.

24 Vdc gear motor with built-in control unit.

Strength and reliability: tough steel structure, new robust balancing springs guaranteed to 500,000 cycles and elliptical section shaft with high resistance to gusts of wind.

Optional flashing or traffic light can be integrated in cover.

More comfort and safety in programming and maintenance phases: the separate enclosures for electronics and mechanics protect internal parts from potential risks.

Rapid and easy access to the control unit located in the upper section of the barrier body.

Simple fixture of the completely concealed photocells onto the specially designed seats on the barrier body.

More safety and reliability: obstacle detection and monitoring of motor absorption during automation movement.

Automatic fault diagnostics during operation with consequent signalling of fault type through specific flash sequences.

Provision for connection of latest generation optical and resistive sensitive edges (with 8.2 KOhm resistance).

Energy saving: the system sets to standby when not in use to save power.

No black out: emergency backup power with the optional batteries housed inside the case.

Release from side with Nice triangular key: can be installed on either side.
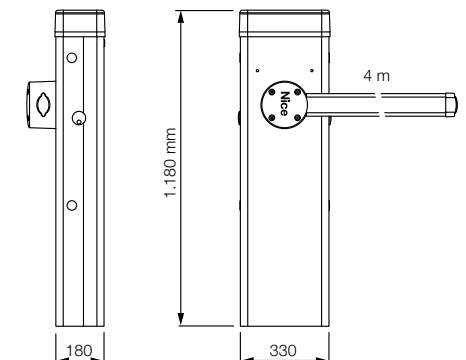
DIMENSIONS

COMMON ACCESSORIES

IBT4N
Interface for connecting the O-View programming unit.

Pc./Pack 1

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone ((Not compatible with the Solemyo kit and battery backup.).

Pc./Pack 1

XBA19
White paint-finished aluminium bar 45x58x4270 mm.

Pc./Pack 1

XBA20
Spare control unit, for S4BAR.

Pc./Pack 1

PS124
24 V battery with integrated battery charger.

Pc./Pack 1

XBA13
Rubber impact protection strip. Length 1 m.

Pc./Pack 9

WA10
Red adhesive reflector strips.

Pc./Pack 24

SIA1
nchorage base with clamps.

Pc./Pack 1

XBA7
Integrable flashing light.

Pc./Pack 1

XBA4
Indicator lights for click fixture on upper or lower side of bar. Length 4 m.

Pc./Pack 1

WA11
Adjustable stand for bars.

Pc./Pack 1

SOLEMYO KIT
The solar power to automate gates, garage doors or barrier gates.

See page 140.

IN ORDER TO HAVE A FULLY FUNCTIONAL BARRIER GATE OPERATOR SYSTEM:

1. CHOOSE THE GEAR MOTOR	2. SELECT THE BAR	3. COMPLETE THE SYSTEM WITH THE OPTIONAL ACCESSORIES

TECHNICAL SPECIFICATIONS

With bar up to 4 m, irreversible 230 Vac, 24 Vdc motor, with foundation plate:

Code	Description
S4BAR	With steel case with protective cataphoresis treatment and paint finish
S4BARI	With stainless steel case

Code	S4BAR	S4BARI
ELECTRICAL DATA		
Power supply (Vac 50/60 Hz)	230	
Power supply (Vdc)	24	
Absorption (A)	1	
Power (W)	300	
PERFORMANCE DATA		
Speed (s)	<4	
Torque (Nm)	100	
Work cycle (cycles/hour)*	100	
DIMENSIONAL AND GENERAL DATA		
Protection level (IP)	44	
Working temp. (°C Min/Max)	-20 ÷ +50	
Dimensions (mm)	330x180x1180 h	
Weight (kg)	46	

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

Code	receiver		transmitter				photocells												flashing light		
	Built-in*	OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	EPMOW	EPMOR	F210	FT210	F210B	FT210B	ELAC	ELDC	WLT
S4BAR		•	•	•	•	•				•	•	•	•	•			•	•		•	•
S4BARI		•	•	•	•	•				•	•	•	•	•			•	•		•	•

* Radio receiver incompatible with Opera system

M-Bar

Electromechanical road barrier system for control of road access

For bars up from 3 to 7 m.

24 Vdc gear motor with built-in control unit.

Simplified programming: control unit with display and joystick to make setting operating parameters even faster.

The control unit has an output to power 24 Vdc devices and two inputs to control loop detectors with the LP21 and LP22 accessories.

Modular: bars are easily assembled using the aluminium expansion joint.

Possibility for intelligent control of two opposing automations thanks to **"master/slave" function**.

Strength and reliability: tough steel structure, new robust balancing springs guaranteed to 2,000,000 cycles and elliptical section shaft with high resistance to gusts of wind.

Optional flashing or traffic light can be integrated in cover.

Encoder movement control and electromechanical limit switches.

More comfort and safety in programming and maintenance phases: the separate enclosures for electronics and mechanics protect internal parts from potential risks.

Rapid and easy access to the control unit located in the upper section of the barrier body.

Simple fixture of the completely concealed photocells onto the specially designed seats on the barrier body.

More safety and reliability: obstacle detection and monitoring of motor absorption during automation movement.

Automatic fault diagnostics during operation with consequent signalling of fault type through specific flash sequences.

Provision for connection of latest generation optical and resistive sensitive edges (with 8.2 KOhm resistance).

Energy saving: the system sets to standby when not in use to save power.

No black out: with the optional batteries (PS224) housed inside the gear motor.

Release from side with metal key: can be installed on either side.

M3BAR
With specific 3 m bar

M5BAR
With 4 or 5 m bar

M7BAR
With 5 m bar
With bar up to 6 m (3+3 m)*
With bar up to 7 m (3+4 m)*

* Use XBA9 joint to assemble bars.

DIMENSIONS

1.215 mm
299
400
max 7 m

COMMON ACCESSORIES

IBT4N
Interface for connecting the O-View programming unit.

Pc./Pack 1

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone. (Not compatible with the Solemyo kit and battery backup.)

BCU1
Spare control unit.

Pc./Pack 1

PS224
24 Vdc buffer batter.

Pc./Pack 1

LP21
Magnetic loop detector 1 channel.

Pc./Pack 1

LP22
Magnetic loop detector 2 channels.

Pc./Pack 1

SOLEMYO KIT
The solar power to automate gates, garage doors or barrier gates.

IN ORDER TO HAVE A FULLY FUNCTIONAL BARRIER GATE OPERATOR SYSTEM:

1. CHOOSE THE GEAR MOTOR	2. SELECT THE BAR	3. COMPLETE THE SYSTEM WITH THE OPTIONAL ACCESSORIES

TECHNICAL SPECIFICATIONS

With bar up to 3 m, irreversible 230 Vac, 24 Vdc motor, with foundation plate:

Code	Description
M3BAR	With steel case with protective cataphoresis treatment and paint finish. For intensive use
M3BARI	With stainless steel case

With bar up to 4 or 5 m, irreversible 230 Vac, 24 Vdc motor, with foundation plate:

Code	Description
M5BAR	With steel case with protective cataphoresis treatment and paint finish. For intensive use
M5BARI	With stainless steel case

With bar up to 5, 6 or 7 m, irreversible 230 Vac, 24 Vdc motor, with foundation plate:

Code	Description
M7BAR	With steel case with protective cataphoresis treatment and paint finish
M7BARI	With stainless steel case

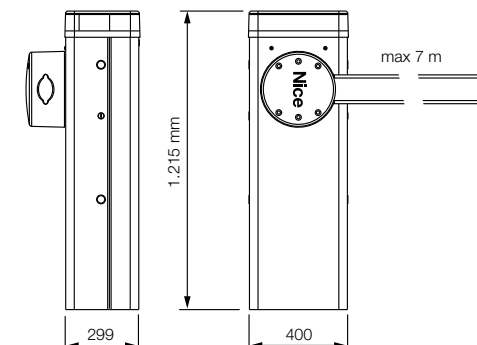| Code	M3BAR	M3BARI	M5BAR	M5BARI	M7BAR	M7BARI
ELECTRICAL DATA						
Power supply (Vac 50/60 Hz)			230			
Power supply (Vdc)			24			
Absorption (A)		1.3		1.1		1.1
Power (W)		150		110		110
PERFORMANCE DATA						
Speed min.÷max. (s)		1.5 ÷ 4		3 ÷ 6		6 ÷ 10
Torque (Nm)		100		200		300
Work cycle (cycles/hour)		600		450		200
DIMENSIONAL AND GENERAL DATA						
Protection level (IP)			54			
Working temp. (°C Min/Max)			-20 ÷ +55			
Dimensions (mm)			400x299x1215 h			
Weight (kg)		80			85	

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

	receiver	transmitter				photocells												flashing light		
Code	Built-in*	OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	EPMOW	EPMOR	F210	FT210	F210B	FT210B	ELAC	ELDC	WLT
M3BAR / M3BARI		•	•	•	•	•				•	•	•	•	•			•	•		•	•
M5BAR / M5BARI		•	•	•	•	•				•	•	•	•	•			•	•		•	•
M7BAR / M7BARI		•	•	•	•	•				•	•	•	•	•			•	•		•	•

* Radio receiver incompatible with Opera system

Accessories M-Bar

COMMON ACCESSORIES

XBA13
Rubber impact protection strip. Length 1 m.

Pc./Pack 9

WA10
Red adhesive reflector strips.

Pc./Pack 24

XBA8
Integrable traffic light.

Pc./Pack 1

XBA7
Integrable flashing light.

Pc./Pack 1

XBA16
Anchorage base with clamps.

Pc./Pack 1

WA11
Adjustable stand for bars.

Pc./Pack 1

BARS FOR M3BAR

XBA15
White paint-finished aluminium bar 69x92x3150 mm.

Pc./Pack 1

ACCESSORIES FOR M3BAR

XBA4
Indicator lights for click fixture on upper or lower side of bar. Length 4 m.

Pc./Pack 1

XBA10
Pivot joint for bars up to 4 m.

Pc./Pack 1

XBA11
Joint for bars (from 1950 mm to 2400 mm).

Pc./Pack 1

BARS FOR M5BAR

XBA14
White paint-finished
aluminium bar
69x92x4150 mm.

Pc./Pack 1

XBA5
White paint-finished
aluminium bar
69x92x5150 mm.

Pc./Pack 1

ACCESSORIES FOR M5BAR

XBA4
Indicator lights for click
fixture on upper or
lower side of bar.
Length 4 m.

Pc./Pack 1

XBA6
Indicator lights for click
fixture on upper or
lower side of bar.
Length 6 m.

Pc./Pack 1

XBA10
Pivot joint for bars up
to 4 m.

Pc./Pack 1

XBA11
Joint for bars (from
1950 mm to 2400 mm).

Pc./Pack 1

WA12
Mobile stand for bars
- new fully reinforced
version.

Pc./Pack 1

WA13
Aluminium rack up to
2 m.

Pc./Pack 1

BARS FOR M7BAR

XBA15
White paint-finished
aluminium bar
69x92x3150 mm.

Pc./Pack 1

XBA14
White paint-finished
aluminium bar
69x92x4150 mm.

Pc./Pack 1

XBA5
White paint-finished
aluminium bar
69x92x5150 mm.

Pc./Pack 1

ACCESSORIES FOR M7BAR

XBA9
Expansion joint.

Pc./Pack 1

XBA6
Indicator lights for click
fixture on upper or
lower side of bar.
Length 6 m.

Pc./Pack 1

XBA18
Indicator lights for click
fixture on upper or
lower side of bar.
Length 8 m.

Pc./Pack 1

WA12
Mobile stand for bars
- new fully reinforced
version.

Pc./Pack 1

WA13
Aluminium rack up to
2 m.

Pc./Pack 1

Nice

L-Bar

Electromechanical road barrier system for control of road access

Powerful and fast, for bars from 7 to 9 m.

24 Vdc gear motor with built-in control unit.

Simplified programming: control unit with display and joystick to make setting operating parameters even faster.

The control unit has an output to power 24 Vdc devices and two inputs to control loop detectors with the LP21 and LP22 accessories.

Modular: bars are easily assembled using the aluminium expansion joint.

Possibility for intelligent control of two opposing automations thanks to **"master/slave" function**.

Strength and reliability: tough steel structure, new robust balancing springs guaranteed to 2,000,000 cycles and elliptical section shaft with high resistance to gusts of wind.

Optional flashing or traffic light can be integrated in cover.

Encoder movement control and electromechanical limit switches.

More comfort and safety in programming and maintenance phases: the separate enclosures for electronics and mechanics protect internal parts from potential risks.

Rapid and easy access to the control unit located in the upper section of the barrier body.

Simple fixture of the completely concealed photocells onto the specially designed seats on the barrier body.

More safety and reliability: obstacle detection and monitoring of motor absorption during automation movement.

Automatic fault diagnostics during operation with consequent signalling of fault type through specific flash sequences.

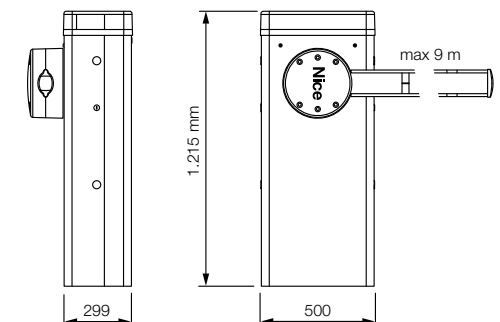Provision for connection of latest generation optical and resistive sensitive edges (with 8.2 KOhm resistance).

Energy saving: the system sets to standby when not in use to saven power.

No black out: with the optional batteries (PS224) housed inside the gear motor.

Release from side with metal key: can be installed on either side.

DIMENSIONS

299 | 1.215 mm | 500 | max 9 m

COMMON ACCESSORIES

IBT4N
Interface for connecting the O-View programming unit.

Pc./Pack 1

IT4WIFI
Smart Wi-fi interface to manage gates and garage doors by smartphone. (Not compatible with the Solemyo kit and battery backup.)

BCU1
Spare control unit with inbuilt loop detection contacts.

Pc./Pack 1

PS224
24 Vdc buffer batter.

Pc./Pack 1

LP21
Magnetic loop detector 1 channel.

Pc./Pack 1

LP22
Magnetic loop detector 2 channels.

Pc./Pack 1

IN ORDER TO HAVE A FULLY FUNCTIONAL BARRIER GATE OPERATOR SYSTEM:

1. CHOOSE THE GEAR MOTOR	2. SELECT THE BAR	3. COMPLETE THE SYSTEM WITH THE OPTIONAL ACCESSORIES

TECHNICAL SPECIFICATIONS

With bar up to 9 m, irreversible 230 Vac, 24 Vdc motor, with foundation plate:

Code	Description
L9BAR	With steel case with protective cataphoresis treatment and paint finish
L9BARI	With stainless steel case

Code	L9BAR	L9BARI
ELECTRICAL DATA		
Power supply (Vac 50/60 Hz)	230	
Power supply (Vdc)	24	
Absorption (A)	1.3	
Power (W)	160	
PERFORMANCE DATA		
Speed min.÷max. (s)	8 ÷ 12	
Torque (Nm)	400	
Work cycle (cycles/hour)	150	
DIMENSIONAL AND GENERAL DATA		
Protection level (IP)	54	
Working temp. (°C Min/Max)	-20 ÷ +55	
Dimensions (mm)	500x299x1215 h	
Weight (kg)	98	

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

Code	receiver		transmitter				photocells												flashing light		
	Built-in*	OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	EPMOW	EPMOR	F210	FT210	F210B	FT210B	ELAC	ELDC	WLT
L9BAR / L9BARI		•	•	•	•	•				•	•	•	•	•			•	•		•	•

* Radio receiver incompatible with Opera system

Accessories L-Bar

BARS

XBA15
White paint-finished aluminium bar 69x92x3150 mm.

Pc./Pack 1

XBA14
White paint-finished aluminium bar 69x92x4150 mm.

Pc./Pack 1

XBA5
White paint-finished aluminium bar 69x92x5150 mm.

Pc./Pack 1

XBA9
Expansion joint.

Pc./Pack 1

XBA18
Indicator lights for click fixture on upper or lower side of bar. Length 8 m.

Pc./Pack 1

XBA8
Integrable traffic light.

Pc./Pack 1

XBA7
Integrable flashing light.

Pc./Pack 1

XBA13
Rubber impact protection strip. Length 1 m.

Pc./Pack 9

WA10
Red adhesive reflector strips.

Pc./Pack 24

WA13
Aluminium rack up to 2 m.

Pc./Pack 1

XBA17
Anchorage base with clamps.

Pc./Pack 1

WA12
Mobile stand for bars - new fully reinforced version.

Pc./Pack 1

WA11
Adjustable stand for bars.

Pc./Pack 1

Accessories

Nice

IT4WiFi

WI-FI Control Module

BusT4 interface - Wi-Fi

The IT4WIFI accessory is a device that – by means of Wi-Fi communication – allows 2.4Mhz.
Nice automation are compatible with the BusT4 (Opera) protocol.

For successful operation, the following is required:

WI-FI Control Module

• 1x Nice automation control unit equipped with BusT4 port or connector for IBT4N

• 1 x Wi-Fi b/g Access Point that supports the Apple Bonjour service (consult the instruction manual of the Access Point)

• 1x iPhone with iOS 10.0 system (or later versions) or 1 smartphone with Android 5 (or later versions)

The kit includes:

– IT4WIFI device

– IBT4N interface

– RJ-11 telephone cord (6 positions - 4 contacts)

Nice

Era Inti

Transmitters

Code	Description	Pc/Pack
INTI1Y	1 channel, 433.92 MHz, yellow	10
INTI2Y	2 channel, 433.92 MHz, yellow	10
INTI1R	1 channel, 433.92 MHz, red	10
INTI2R	2 channel, 433.92 MHz, red	10
INTI1L	1 channel, 433.92 MHz, lilac	10
INTI2L	2 channel, 433.92 MHz, lilac	10
INTI1G	1 channel, 433.92 MHz, green	10
INTI2G	2 channel, 433.92 MHz, green	10
INTI1B	1 channel, 433.92 MHz, blue	10
INTI2B	2 channel, 433.92 MHz, blue	10
INTI1	1 channel, 433.92 MHz, black	10
INTI2	2 channel, 433.92 MHz, black	10
INTIKIT	The kit contains: 3 two-channel Inti units (colours red, green and blue) 1 OX2 receiver.	10

	Carrier frequency	Estimated range	Encoding	Power supply	Battery life	Ingress protection class	Dimensions Weight
INTI_Y, INTI_R, INTI_L, INTI_G, INTI_B, INTI	433.92 MHz	150 m (outdoors); 30 m (if inside buildings)*	O-Code 72 bit; rolling code	3 Vdc; lithium battery type CR2032	2 years (with 10 transmissions per day)	IP40 (use in protected environments)	30x56x9 h mm 14 g

* Transmitter range and receiver reception capacity may be affected by any devices operating on the same frequency in the area.

1.
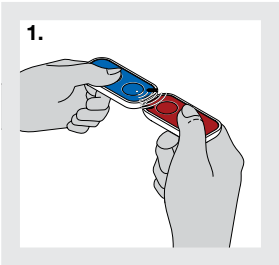
Code exchange between a memorized transmitter and a new one, to be memorized.

2.
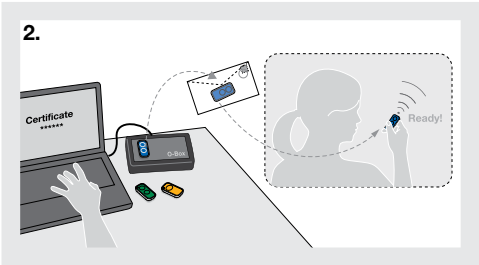
Possible memorisation using Nice O-Box and the "Certificate".

The colourful line of 1 and 2 channel miniaturised transmitters, available in six colours.

433.92 MHz rolling code, with management of Identity Codes and Certificates, self-learning and built-in proximity receiver; with 72 bit O-Code encoding, also compatible with receivers with Nice FloR encoding.

Advanced: uses data processing and recognition systems that increase its degree of security and deliver a threefold reduction in automation response times.

Safe: if a transmitter is stolen or lost, it can be replaced through the O-Box, maintaining the same functions as before, and the old transmitter can be disabled by increasing the priority level on the new Inti.

Easy memorisation, even at a distance: thanks to Opera receivers.

There are two options for enabling a new Inti transmitter, even at a distance from the system:

- using a transmitter already programmed in the receiver, thanks to the enabling **Code exchange** between the two;
- using the Nice O-Box connection interface; the receiver's **Certificate** is entered by just placing the new Inti next to the O-Box and following the guided procedure on a PC or PDA.

Inti can be used as keyring thanks to the lace included in the pack.

3.

The presence of a "transmitter" in the OXIT, OX2T and OX4T receivers allows radio codes to be accessed by means of the O-Box multifunction interface.

4.
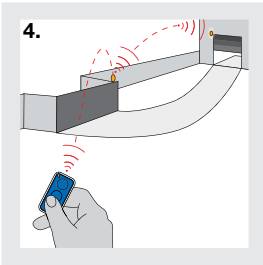
OXIT, OX2T and OX4T receivers can be used as signal repeaters.

Nice presents the line of BiDirectional receivers and transmitters with LoRa® long range radio technology

LoRa®

With the Era One LR transmitter and OXI LR receiver, you can now receive **feedback on reception** of the command and the **status of gate and garage door automations**.

Particularly suitable for long distances or places with a high level of radio disturbance.
The technology offers numerous advantages: long range radio, up to 1 Km* in an open space.

Particularly suitable for places with a high level of radio disturbance

Additional information thanks to the NFC technology

Near Field Communication enables you to access additional information by simply placing your smartphone near the new Era One LR bidirectional transmitter.

Era One & OXI LR

Bidirectional transmitters and receivers with LoRa® long range technology

Code	Description	Pcs./pack
ON3ELR	3 channels, 433.92 MHz, bidirectional, with LoRa® technology	10
ONELRKIT	KIT with LoRa® technology Composed by: 2 pcs ON3ELR, 1 pcs OXILR, 1 pcs OX2UBP	

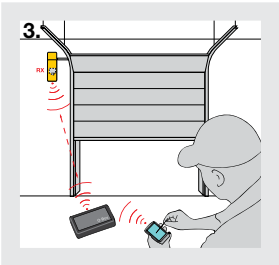|	Carrier frequency	Estimated range	Encoding	Power supply	Battery lifetime	Protection class	Dimensions Weight
ON3ELR	433.92 MHz	1 Km; 100 m (if inside a building)*	LR	3 VDC; CR2032 lithium battery	2 years (with 10 transmissions per day)	IP40 (use in protected environments)	45x56x11 h mm 18 g

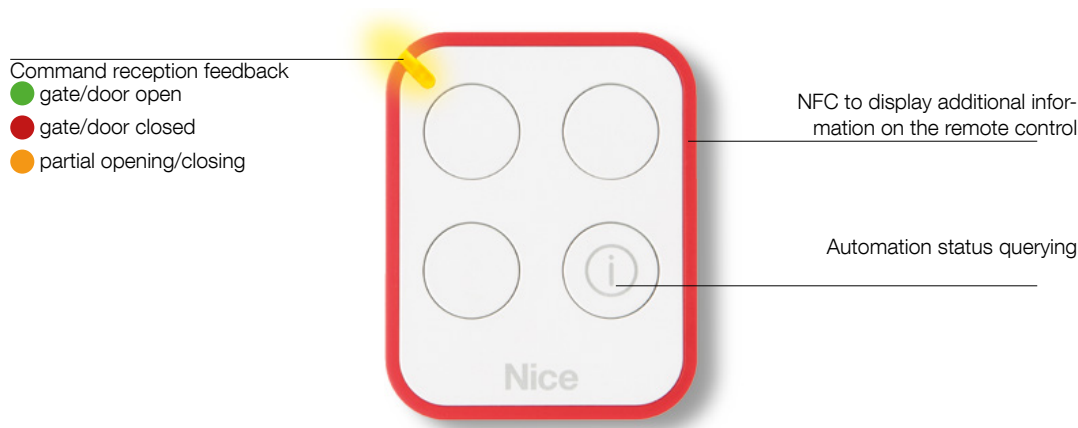* Transmitter range and receiver reception capacity may be affected by any other devices operating on the same frequency in the area and by the position of the system's radio antenna.

Command reception feedback
- 🟢 gate/door open
- 🔴 gate/door closed
- 🟠 partial opening/closing

NFC to display additional information on the remote control

Automation status querying

ONELRKIT
KIT with LoRa® technology, thanks to the OX2UBP hardware interface it can be installed with third party operators.

1. Exchange of identity code between a previously memorised transmitter with LoRa® technology and a new transmitter to be memorised.

2. The NFC technology and a dedicated webpage enable further information to be provided on the transmitter and on battery status.

Four key transmitter: 3 radio channels and 1 key to request automation status.

433.92 MHz radio frequency with rolling code encoding, identity code management and self-learning.

Long range commands: LoRa® technology sends commands over a distance in an open space about 10 times greater than previous radio protocols. Automation control has never been so efficient!

Even at a distance from the system, you can enable a new transmitter by using another Era One LR transmitter already enabled in the receiver, thanks to exchange of the **identity code** between them.

Elegant and practical: the Era One LR transmitter can be used as a refined high-tech keyring, or fixed to the wall or the car dashboard, thanks to the practical mount included in the pack.

Bidirectional Era One LR, ideal for using in cities or wherever there are numerous other devices present.

The bidirectional radio protocol uses LoRa® modulation to improve immunity from interference.

Bidirectional plug-in receiver with LoRa® technology.

The OXILR is compatible with all Nice control units with SM connector and so can also make existing Nice automations long range bidirectional.

Ergonomic design: antenna connectors, key and programming LED in convenient practical positions.

Maximum flexibility: can memorise up to 1,024 bidirectional transmitters with LoRa® technology.

Programming key

LED

Antenna connector

RECEIVER TECHNICAL SPECIFICATIONS

Code	Description	Pcs./pack
OXILR	Bidirectional plug-in receiver, 433.92 MHz, bidirectional, with LoRa® technology	1

	Reception frequency	Transmission frequency	Input impedance	Sensitivity	Encoding	Number of channels	Power supply	Current draw	Protection class	Dimensions Weight
OXILR	433.92 MHz	433.92 MHz	50 Ohm	-118 dBm	LR	4 (on "SM" plug-in connector)	5 Vdc	50 mA (max)	IP 30	49.5x18x41.9 h mm 22 g

Nice extends its range of control systems with bidirectional versions:

With the Era One BD transmitter and OXI BD receiver, you can now receive **feedback on reception** of the command and the **status of the gate and garage door automations**.

When the user sends a command to the automation, the transmitter indicates correct reception, the presence of possible faults or the need to change the device battery. When the "i" key is pressed, the transmitter also provides information on automation status (open, closed, in movement) by light, sound or vibration signals.

Nice mesh network

The Nice bidirectional radio protocol with mesh technology has numerous advantages:

- extension of the radio range to 500m (max.10 Hops)
- confirmation by the automation of correct command reception;
- the possibility of checking automation status at any moment;
- high security, thanks to the encrypted communication;
- low energy consumption in standby.
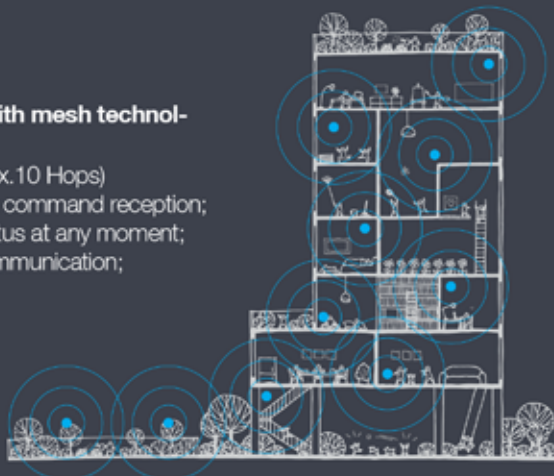
Additional information thanks to the NFC technology

The Near Field Communication enables you to access additional information by simply placing your smartphone near the Era One Bidirectional transmitter.

You can check the charge of the battery and discover the functions of the bidirectional system with a simple gesture.

Era One BD & OXI BD

Bidirectional transmitters and receivers

Code	Description					Pcs./pack	
ON3EBD	3 channels, bidirectional, 433.92 MHz					10	

	Carrier frequency	Estimated range	Encoding	Power supply	Battery lifetime	Protection class	Dimensions Weight
ON3EBD	433,92 MHz	500 m (max. Mesh network); 35m (if inside a building)*	BD; 192 bit O-Code	3 Vdc; CR2032 lithium battery	2 years (with 10 transmissions per day)	IP40 (use in protected environments)	45x56x11 h mm 18 g

* Transmitter range and receiver reception capacity may be affected by any other devices operating on the same frequency in the area and by the position of the system's radio antenna.

Command reception feedback

🟢 gate/door open
🔴 gate/door closed
🟠 partial opening/closing

NFC to display additional information on the remote control

Automation status querying
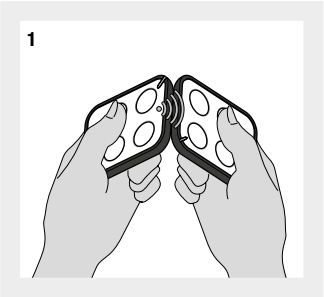
1. Exchange of identity code between a previously memorised transmitter and a new transmitter to be memorised.

2. The NFC technology and a dedicated webpage enable further information to be provided on the transmitter and on battery status.

Programming key

LED

Antenna connector

Four key transmitter: 3 radio channels and 1 key to request automation status.

433.92 MHz radio frequency with rolling code encoding, identity code management and self-learning with 192 bit encoding, also compatible with receivers with Nice O-Code FloR encoding.
Operating in unidirectional mode, the bidirectional Era One remote control is also compatible with previous versions of Nice plug-in and external receivers.

Instantaneous command: the new bidirectional radio protocol is about 30 times faster than the previous radio protocols. Automation control has never been faster!

Even at a distance from the system, you can enable a new transmitter by using another transmitter already enabled in the receiver, thanks to exchange of the **identity code** between them.

Elegant and practical: the Era One transmitter can be used as a refined high-tech keyring, or fixed to the wall or the car dashboard, thanks to the practical mount included in the pack.

Bidirectional Era One, ideal for using in cities or wherever there are numerous other devices present.

The bidirectional radio protocol uses GFSK modulation to improve immunity from interference.

Plug-in, bidirectional receiver with the functions of the Opera system.

The OXIBD is compatible with all Nice control units with SM connector and so can also make existing Nice automations bidirectional.

Ergonomic design: antenna connectors, key and programming LED in convenient practical positions.

Maximum flexibility: can memorise up to 750 bidirectional transmitters or 1024 unidirectional transmitters..

OXIBD receivers can be used as signal repeaters to increase the operating distance between the transmitters and other Nice bidirectional receivers.

RECEIVER TECHNICAL SPECIFICATIONS

Code	Description								Pcs./pack	
OXIBD	Plug-in, bidirectional, 433.92 MHz radio receiver								1	

	Reception frequency	Transmission frequency	Input impedance	Sensitivity	Encoding	Number of channels	Power supply	Current draw	Protection class	Dimensions Weight
OXIBD	433,92 MHz	433.92 MHz (solo BD)	50 Ohm	-108 dBm	BD, O-Code, FloR, TTS, Flo, Smilo	4 (on "SM" plug-in connector)	5 Vdc	50 mA (max)	IP 30	49,5x18x41,9 h mm 22 g

Nice Era photocells, selectors & proximity reader

The Nice generation of optical devices for automation safety, available with Nice BlueBUS technology for a simplified installation

Three different sizes of photocells synchronised to meet any need and complete the safety and comfort of every automation system, also in the tightest spaces, perfect for use with renovations to cover annoying existing set-ups.

> SLIM

With only 30 mm width, also in burglar-proof version, ideal for tight spaces.

> MEDIUM

In anti-intrusion, reflective, wireless and positionable versions, ideal for the most common systems.

> LARGE

Positionable, also in versions for recessed mounting with 9 mm projection, ideal for concealed installations.

> ERA KEYPAD

Extremely strong metal body, 27 millimetres depth and only 13 mm from the wall for the recessed mounting version.

DIGITAL SELECTOR WIRELESS (EDSWG)

Digital selector in burglar-resistant version 13 keys.

DIGITAL SELECTORS (EDS)

Digital selector in burglar-resistant version for outdoor and recessed installation.

> ERA KEY

Wafer thin, only 13 millimetres depth from the wall in the recessed versions.

KEY SELECTORS WITH EUROPEAN CYLINDER (EKSU)

Key selectors in version for outdoor or recessed mounting.

KEY SELECTORS WITH STANDARD CYLINDER (EKS)

Key selectors in version for outdoor or recessed mounting.

> ERA TRANSPONDER READER

Transponder proximity reader for cards and badges with customized programming.

PROXIMITY READERS (ETP)

Proximity readers for card and badge reading.

TRANSPONDER BADGE

Convenient transponder badge with a practical through hole to add on to a key chain.

Era Photocell M

Medium Synchronized photocells, fixed or positionable, also with Nice BlueBUS technology

Available in anti-intrusion, reflective and wireless versions.

Safe: D type device according to specification EN12453 which picks up obstacles on the optical axis between transmitter (TX) and receiver (RX).

Using the fototest function it is possible to achieve class 2 safety fault according to specification EN 954-1.

Antiglare circuit eliminates possible sunlight interference.

Fast easy installation: the wireless technology (EPMOW) eliminates the need to wire the photocells to the control unit and provide routing and cable ducts. The devices interface with the control unit through an ultra-compact dedicated module (IBW) which can be housed directly in the motor or the control unit if separate. Up to 7 devices with Nice BlueBUS technology can be connected to the same IBW interface.

Thanks to the reflective technology (EPMOR), just the main photocell needs to be wired and not the reflective mirror, saving time.

Built in LED light in the EPMOR version: the optional ELMM LED light module can be installed in the EPMOR photocell to light the transit area, act as a flashing light or provide diagnostic information.

Universal system: EPMOR has a relay output for connection to any new or existing automation system.

Simplified maintenance: EPMOW photocells have a diagnostic LED which indicates possible anomalies and battery status, facilitating installation and maintenance.

Practical: 10° angle of reception. The positionable versions allow for the compensation of centering gaps up to 30°.

Resistant and vandal-proof: ABS body resistant to weather conditions, available also in burglar-resistant version with metal shell.

Nice BlueBUS technology: available with the BlueBUS system, which allows an easy connection to the control unit of all devices with only two wires, by simply connecting them in parallel and selecting the jumpers for addressing according to the needed function. The system automatically acquires the devices connected to the BlueBus network.

Automatic synchronisation between multiple photocell pairs in order to avoid other possible interferences between the devices.

EPM
EPMB

EPMO
EPMOB

EPMA
EPMAB

EPMAO
EPMAOB

EPMOW

EPMOR

PHOTOCELLS

Code	Description	Pack/Pallet
EPM	Pair of outdoor photocells	1
EPMO	Pair of outdoor photocells, 30° positionable	1

PHOTOCELLS WITH NICE BLUEBUS TECHNOLOGY

Code	Description	Pack/Pallet
EPMB	Pair of outdoor photocells, for connections via Nice BlueBUS network	1
EPMOB	Pair of outdoor photocells, 30° positionable, for connections via Nice BlueBUS network	1

WIRELESS PHOTOCELLS WITH BLUEBUS TECHNOLOGY

Code	Description	Pack/Pallet
EPMOW	Pair of self-synchronised surface-mounted wireless photocells	1

PHOTOCELLS WITH REFLECTIVE TECHNOLOGY

Code	Description	Pack/Pallet
EPMOR	Surface-mounted reflective photocell + reflective mirror	1

PHOTOCELLS - BURGLAR-RESISTANT METAL BODY

Code	Description	Pack/Pallet
EPMA	Pair of outdoor photocells, burglar-resistant metal body	1

PHOTOCELLS - BURGLAR-RESISTANT METAL BODY WITH NICE BLUEBUS TECHNOLOGY

Code	Description	Pack/Pallet
EPMAB	Pair of outdoor photocells, for connections via Nice BlueBUS network, burglar-resistant metal body	1

PHOTOCELLS - POSITIONABLE BURGLAR-RESISTANT METAL BODY

Code	Description	Pack/Pallet
EPMAO	Pair of outdoor photocells, 30° positionable	1

PHOTOCELLS - BURGLAR-RESISTANT POSITIONABLE METAL BODY WITH NICE BLUEBUS TECHNOLOGY

Code	Description	Pack/Pallet
EPMAOB	Pair of outdoor photocells, 30° positionable, for connections via Nice BlueBUS network	1

TECHNICAL SPECIFICATIONS

	Estimated range (m)	Power supply	Absorption (mA)	Photocell adjustability	Protection level (IP)	Operating temperature (°C Min/Max)	Relay range	Dimensions (mm)	Weight (g)
EPM	15 (30 with jumper + "10" cut)	without jumper 24 Vac/Vdc limits: 18-35 Vdc, 15-28 Vac with 12 Vac/Vdc jumper limits: 10-18 Vdc, 9-15 Vac	25 RX, 30 TX	-	44	-20 ÷ +50	max 500 mA and 48 V	50x29x80 h	140
EPMO				30° approx. on the all axes				50x38x80 h	160
EPMA				-				50x31x80 h	480
EPMAO				30° approx. on the all axes				50x38x80 h	530
EPMOR	8 (maximum range in optimum conditions 15)	12-24 V	50	approx. 10° on all axes				105x50x40 h	83

TECHNICAL SPECIFICATIONS WITH NICE BLUEBUS TECHNOLOGY

	Estimated range (m)	Electric power supply output	Photocell adjustability	Protection level (IP)	Operating temperature (°C Min/Max)	Dimensions (mm)	Weight (g)
EPMB	up to 15 for offset maximum TX-RX ± 5 (the device can signal an obstacle also in adverse weather conditions)	the devices can be connected only to "BlueBUS" networks from which it receives the power supply and transmits the output signals	-	44	-20 ÷ +55	50x29x80 h	140
EPMOB			30° approx. on the all axes			50x38x80 h	160
EPMAB			-			50x31x80 h	480
EPMAOB			30° approx. on the all axes			50x38x80 h	530
EPMOW	20 (maximum range in optimum conditions 40)	3 V DC, with CR123 lithium battery	approx. 10° on the vertical axis			105x50xz40 h	200

	Power supply	Absorption with power pack 24 Vdc	Absorption with power pack 24 Vac	Output BlueBUS	Protection level (IP)	Operating temperature (°C Min/Max)	Dimensions (mm)	Weight (g)
IB	16 ÷ 35 Vdc 18 ÷ 28 Vac	50 mA (add approx. 50 mA for each photocell pair)	44 mA (add approx. 40 mA for each photocell pair)	with a load of max 9 BlueBUS units	30	-20 ÷ +50	86x58x22 h	72

	Power supply	Output BlueBUS	Protection level (IP)	Operating temperature (°C Min/Max)	Dimensions (mm)	Weight (g)
IBW	by connection to the "BlueBUS" terminal of the automation control unit.	one with a max. load of 20 BlueBUS units	30	-20 ÷ +70	18 x 33 x 40 h	25

	Power supply	Absorbed power (W)	Protection level (IP)	Operating temperature (°C Min/Max)	Dimensions (mm)	Weight (g)
ELMM	12-24 V	1	45	-20 ÷ +55	40 x 30 x 25 h	20

ACCESSORIES

Code	Description	Pack/Pallet
IB	Interface for photocell BlueBus connection to non prepared stations	1
IBW	Interface through EPMOW and control units with Nice BlueBUS technology	1
ELMM	LED light module for EPMOR	1
POE	Wall support for Era photocells	1

IB   **ELMM**   **POE**

Era Photocell L

Large synchronised photocells, fixed or positionable, also with Nice BlueBUS technology, both surface mounted and recessed

Easy and versatile: recessed versions EPLIO compatible with the most popular standards on the market to replace the old photocells or cover annoying existing setups without the need of extra adaptors.

Safe: D type device according to specification EN12453 which picks up obstacles on the optical axis between transmitter (TX) and receiver (RX).

Using the fototest function it is possible to achieve class 2 safety fault according to specification EN 954-1.

The models EPL, EPLO, EPLIO provide for 2 range levels.

Antiglare circuit which eliminates possible sunlight interference.

The positionable versions allow for the compensation of centring gaps up to 30°.

Discreet: polycarbonate body, extremely strong with minimal projection of 9 millimetres from the wall for the recessed mounting version.

Pratical: adapter bowl EKA03 to simplify preparations for recessed mounting.

Nice BlueBUS technology: all versions with the BlueBUS system allow an easy connection to the control unit of all devices with only two wires. Simply connect them in parallel and select the jumpers for addressing according to the needed function.

The system automatically acquires the devices connect to the BlueBUS network and allows automatic synchronisation with multiple photocells in order to avoid other possible interferences.

IB interface: allows the connection of photocells with Nice BlueBUS technology to control units having terminals for traditional contacts.

EPL
EPLB

EPLO
EPLOB

EPLIO
EPLIOB

PHOTOCELLS

Code	Description	Pack/Pallet
EPL	Pair of surface-mounted photocells Large	1

PHOTOCELLS WITH NICE BLUEBUS TECHNOLOGY

Code	Description	Pack/Pallet
EPLB	Pair of surface-mounted photocells Large, for connections via Nice BlueBUS	1

POSITIONABLE PHOTOCELLS

Code	Description	Pack/Pallet
EPLO	Pair of surface-mounted photocells Large, 30° positionable	1

POSITIONABLE PHOTOCELLS, WITH NICE BLUEBUS TECHNOLOGY

Code	Description	Pack/Pallet
EPLOB	Pair of surface-mounted photocells Large, 30° positionable, for connections via Nice BlueBUS	1

POSITIONABLE PHOTOCELLS, FOR RECESSED MOUNTING

Code	Description	Pack/Pallet
EPLIO	Pair of photocells Large for recessed mounting, 30° positionable	1

SWIVEL PHOTOCELLS, FOR RECESSED MOUNTING WITH NICE BLUEBUS TECHNOLOGY

Code	Description	Pack/Pallet
EPLIOB	Pair of photocells Large for recessed mounting, 30° positionable, for connection via Nice BlueBUS	1

TECHNICAL SPECIFICATIONS

	Estimated range (m)	Power supply	Photocell adjustability	Absorption (mA)	Protection level (IP)	Operating temperature (°C Min/Max)	Relay range	Dimensions (mm)	Weight (g)
EPL	15 (30 with jumper + "10" cut)	without jumper 24 Vac/Vdc limits: 18-35 Vdc, 15-28 Vac with 12 Vac/Vdc jumper limits: 10-18 Vdc, 9-15 Vac	-	25 RX, 30 TX	44	-20 ÷ +50	max 500 mA and 48 V	70x30x70 h	160
EPLO			30° approx. on the all axes					70x38x70 h	180
EPLIO								70x66+9x70 h	185

TECHNICAL SPECIFICATIONS WITH NICE BLUEBUS TECHNOLOGY

	Estimated range (m)	Electric power supply output	Photocell adjustability	Protection level (IP)	Operating temperature (°C Min/Max)	Dimensions (mm)	Weight (g)
EPLB	up to 15 for offset maximum TX-RX ± 5 (the device can signal an obstacle also in adverse weather conditions)	the devices can be connected only to "BlueBUS" networks from which it receives the power supply and transmits the output signals	-	44	-20 ÷ +50	70x30x70 h	140
EPLOB			30° approx. on the all axes			70x38x70 h	160
EPLIOB						70x66+9x70 h	185

	Power supply	Absorption with power pack 24 Vdc	Absorption with power pack 24 Vac	Output BlueBUS	Protection level (IP)	Operating temperature (°C Min/Max)	Dimensions (mm)	Weight (g)
IB	16 ÷ 35 Vdc 18 ÷ 28 Vac	50 mA (add approx. 50 mA for each photocell pair)	44 mA (add approx. 40 mA for each photocell pair)	with a load of max 9 BlueBUS units	30	-20 ÷ +50	86x58x22 h	72

ACCESSORIES

Code	Description	Pack/Pallet
IB	Interface for photocell BlueBus connection to non prepared stations	1
EKA03	Bowl for recessed mounting (depth 66 mm) for installation of EKSI, EKSIEU. also compatible with EPLIO, EPLIOB, EDSI, EDSIB	50

IB　　　　**POE**

Era Keypad

12 key digital selector, also with Nice BlueBUS technology, available in the recessed mounting version

EDS
EDSB

EDSI
EDSIB

Wafer-thin: extremely strong metal body, 27mm depth and only 13 mm from the wall for the recessed mounting version.

Safe: the combination is a 1 to 9 digit number which allows for the creation of up to 999.999.999 possible combinations!

Backlit keypad.

Easy programming:

- 2 programming modes: Easy or Professional;
- possibility to program the number of uses of a specific combination;
- 255 storable combinations expandable, on EDS and EDSI up to 510 combinations with a second additional memory BM1000.

With a O-Box interface you can manage easily any kind of programming of the BM1000 memory, in proximity of the system or also at a distance, directly from the office of the installer.

O-Box is interfaced with the PC, thus allowing an orderly storing of all installations.

Nice BlueBUS technology: compatible with BlueBUS system which allows an easy connection to the control unit of all devices with only two wires, by simply connecting them in parallel and other exclusive functions:

- 2 keys for the activation of two different commands chosen among 6 available ones (for example, step operation, close, open), depending on the control unit to which they are connected to;
- up to 4 control devices EDSB/EDSIB and ETPB which can be connected also with a mixed configuration;
- possibility of insertion of a block/unblock function.

Two different visual signalling depending on the state of automation:

- red: when the automation is closed or is closing;
- green: during opening operation or in the case in which the "automation block" function is active.

DIGITAL SELECTORS

Code	Description	Pack/Pallet
EDS	Digital selector, 12 keys, to be combined with the MORX decoder	1
EDSI	Digital selector, 12 keys, for recessed mounting, to be combined with the MORX decoder	1
MORX	Decoder for 1 ETP or up to 4 EDS/EDSI connected in parallel, with 1 BM1000 memory for 255 combinations	1

TECHNICAL SPECIFICATIONS

	Protection level (IP)	Dimensions (mm)	Weight (g)
EDS	44	70x27x70 h	200
EDSI	54	70x66+13x70 h	160

	Storage capacity	Range relè	Power supply	Maximum absorption	Protection level (IP)	Operating temperature (°C Min/Max)	Dimensions (mm)	Weight (g)
MORX	2 BM1000 for max. 510 combinations or 510 MOCARD, MOCARDP and HSB1	max. 500 mA and 48 Vac/Vdc	10 ÷ 35 Vdc, 12 ÷ 28 Vac	24 Vdc=70 mA 24 Vac=200 mA 12 Vdc=150 mA 12 Vac=300 mA with 1 ETP or up to 4 EDS/EDSI	30	-20 ÷ +70	98x42x25 h	65

MORX

DIGITAL SELECTORS WITH NICE BLUEBUS TECHNOLOGY

Code	Description	Pack/Pallet
EDSB	12 key digital selectors with Nice BlueBUS technology burglar-resistant metal body	1
EDSIB	12 key digital selectors with Nice BlueBUS technology, for recessed mounting burglar-resistant metal body	1

TECHNICAL SPECIFICATIONS WITH NICE BLUEBUS TECHNOLOGY

	Power supply	Absorption	Protection level (IP)	Dimensions (mm)	Weight (g)
EDSB	via BlueBUS	1.5 BlueBUS units	44	70x27x70 h	200
EDSIB			54	70x66+13x70 h	160

AUXILIARY EQUIPMENT FOR RECESSED MOUNTING VERSIONS

Code	Description	Pack/Pallet
EKA03	Bowl for recessed mounting (depth 66 mm) for installation of EKSI, EKSIEU. also compatible with EPLIO, EPLIOB, EDSI, EDSIB	50
EKA02	Finishing kit for EDSI, EDSIB, EKSI, EKSIEU installation	10

Nice

Era Keypad wireless

13 key digital selectors, with radio connection, 100% wireless

DIGITAL WIRELESS SELECTOR

Code	Description	Pack/Pallet
EDSWG	Digital switch via radio compatible with Flor three-channel receivers, three passwords	1

TECHNICAL SPECIFICATIONS

	Power supply	Battery life	Frequency	Radiated power	Radio coding	Operating temperature (°C Min/Max)	No. of digits combination	Estimated range (m)	Protection level (IP)	Dimensions (mm)	Weight (g)
EDSWG	6 Vdc with 2 lithium batteries type CR2430	estimated 2 years with 10 transmissions per day	433.92 MHz ± 100 KH	< 1 mW e.r.p.	rolling code 52 bit FloR	-10° ÷ +55°	from 0 to 8	25 in open space, 15 indoors	54	70x27x70 h	200

Digital radio selector with FloR 52 bit coding: is compatible with FloR with rolling code and generates 4.5 trillions of combinations, self-learning.

Complete: 3 transmission channels to control 3 automated systems or 3 different customised commands for the single automated system.

Convenient: no cabling needed and an estimated range of 25 m in free space and 15 m inside buildings.

Backlit keypad in poor light conditions.

Acoustic feedback.

Safe: the combination is a 0 to 9 digit number which allows for the creation of up to 999.999.999 possible combinations!

Economic: extremely reduced consumption, transmission is activated at the pressure of a key and turns off automatically.

The ambient light sensor activates lighting of the keyboard only when this is necessary.

Thin: extremely strong metal body, only 27mm depth.

Era Key switch

Key selectors for outdoor and recessed installation with automatic return lock, European or standard cylinder

Selectors in burglar-resistant version with metal shell.

Wafer thin: only 13mm depth from the wall in the recessed versions (32 and 45mm in the outdoor versions).

Electrical contacts and levers protected by plastic container.

Employable as direct motor command in applications with mains power source (230 Vac).

Flexible solution: recessed versions with bowl supplied, for new installations or existing setups with adaptor EKA02.

KEY SELECTORS

Code	Description	Pack/Pallet
EKSEU	Key selector Era series, European cylinder, for outdoor installation	1
EKSIEU	Key selector Era series, European cylinder, for recessed mounting	1
EKS	Key selector Era series, for outdoor installation	1
EKSI	Key selector Era series, for recessed mounting	1

ACCESSORIES

Code	Description	Pack/Pallet
CHS	Neutral key for EKS, EKSI	1
CHEU	Neutral key for EKSEU, EKSIEU	1
EKA03	Bowl for recessed mounting (depth 66 mm) for installation of EKSI, EKSIEU. also compatible with EPLIO, EPLIOB, EDSI, EDSIB	50
EKA02	Finishing kit for EDSI, EDSIB, EKSI, EKSIEU installation	10

TECHNICAL SPECIFICATIONS

	Contact range	Protection level (IP)	Dimensions (mm)	Weight (g)
EKSEU			70x43x70 h	490
EKSIEU	10 (2) A - 250 Vac	44	70x66+13x70 h	530
EKS			70x32x70 h	360
EKSI			70x66+13x70 h	450

EKSEU

EKSIEU

EKS

EKSI

Nice

Era Transponder reader

Transponder proximity reader for cards and badges, FLOR-M bimodal transmitters, also with Nice BlueBUS technology

PROXIMITY READER

Code	Description	Pack/Pallet
ETP	Proximity reader for transponder cards MOCARD and MOCARDP to be combined with the MORX decoder	1
MORX	Decoder for 1 ETP or up to 4 EDS/EDSI connected in parallel, with 1 BM1000 memory for 255 combinations	1
BM1000	Additional memory for additional 255 combinations	5

PROXIMITY READER WITH NICE BLUEBUS TECHNOLOGY

Code	Description	Pack/Pallet
ETPB	Proximity reader for transponder cards with Nice BlueBUS technology	1

ACCESSORIES

Code	Description	Pack/Pallet
MOCARD	Transponder card programmable via O-Box	10
MOCARDP	Transponder card programmable via O-Box, with sequential coding for multiple entry	10
HSB1	Transponder badge newly programmable via O-Box, with sequential coding for multiple entry	10

TECHNICAL SPECIFICATIONS

	Description	Acquisition distance (cm)	Protection level (IP)	Dimensions (mm)	Weight (g)
ETP	MOCARD, MOCARDP and HSB1 reader	3 ÷ 6	54	70x26x70 h	265

	Storage capacity	Range relè	Power supply	Maximum absorption	Protection level (IP)	Operating temperature (°C Min/Max)	Dimensions (mm)	Weight (g)
MORX	2 BM1000 for max. 510 MOCARD and MOCARDP or combination	max. 500 mA and 48 Vac/Vdc	10 ÷ 35 Vdc 12 ÷ 28 Vac	24 Vdc=70 mA 24 Vac=200 mA 12 Vdc=150 mA 12 Vac=300 mA (with 1 MOM or 4 MOT)	30	-20 ÷ +55	98x42x25 h	65

MORX

Easy programming:

- 2 programming modes: Easy or Professional;
- allows you to determine which cards/badges are enabled on the system;
- possibility of programming the number of uses available to a specific card or badge;
- 255 storable cards/badges expandable, on ETP, up to 510 cards/badges with a second additional memory BM1000;
- 2 modes (static and dynamic) to activate two different commands (ETP version).

With a O-Box interface you can manage easily any kind of programming of the BM1000 memory, in proximity of the system or also at a distance, directly from the office of the installer.

O-Box is interfaced with the PC, thus allowing an orderly storing of all installations.

Nice BlueBUS technology: available with BlueBUS (ETPB) system which allows an easy connection to the control unit of all devices with only two wires, by simply connecting them in parallel and other exclusive functions:

- 2 modes (static and dynamic) for the activation of two different commands chosen among 6 available ones (for example, step operation, close, open), depending on the control unit to which they are connected to;
- possibility of insertion of a block/unblock function;
- up to 4 control devices EDSB/EDSIB and ETPB which can be connected via BlueBUS, also with a mixed configuration.

Transponder badge HSB1 Practical in use, can be added to the key chain so as to be always available.

TECHNICAL SPECIFICATIONS WITH NICE BLUEBUS TECHNOLOGY

	Power supply	Absorption	Acquisition distance (cm)	Protection level (IP)	Dimensions (mm)	Weight (g)
ETPB	via BlueBUS	2 BlueBUS units	up to 4	54	70x26x70 h	270

Nice

Era Post

Outdoor aluminium posts for photocells, selectors and proximity readers - height 500 mm and 1000 mm

Modern design: New post line for the installation of medium and large sized photocells.

Easy to install: simplified installation for the setting in absolute freedom of one's own safety area.

Code	EPM/EPMB	EPMO/EPMOB	EPMOR	EPMOW	EPL/EPLB	EPLO/EPLOB	PHW**	EDS/EDSB	EDW	ETP/ETPB	EKS	EKSEU
PPH1	•	•			•	•	•					
PPH2	•	•			•	•		•*	•*	•*	•*	•*
PPH3	•	•										
PPH4	•	•										
PPK								•	•	•	•	•

* The installation requires the EKA01 plug adaptor.
** The installation of the solar photocell requires the PHWA1 plug adaptor.

Code	Description	Pack/Pallet
PPH1	Aluminium column with protected housing for 1 photocell, medium and large size, 500 mm h	2
PPH2	Aluminium column with protected housing for 1 photocell, medium and large size, 1000 mm h	2
PPH3	Aluminium post with protected housing for 1 photocell Medium, 500 mm h	2
PPH4	Aluminium post with protected housing for 1 photocell Medium, 1000 mm h	2
PPK	Aluminium post with housing for 1 selector 1100 mm h	2
EKA01	Plug for mounting of EKS, EKSEU, EDS, EDSB, EDSWG, ETP, ETPB, on PPH2 post	1

PPH3   **PPH1**   **PPH4**   **PPH2**   **PPK**

Era Light

Flashing LED signal light

Universal: The flashing light is available in two versions: 90-240 Vac and 12-36 Vdc.

Thanks to the wide range of power supplies, ELAC is compatible with different electrical standards and can also be installed in areas at risk of voltage surges.

Practical: body particularly shock resistant, designed for fixing in various positions.

Energy saving: Thanks to the LED technology, ELAC and ELDC consume about 80% less than traditional flashing lights.

All versions have a built-in 433.92 MHz antenna.

Protection class IP44.

TECHNICAL SPECIFICATIONS

| Code	Description	Pack/Pallet
ELAC	Neutral, LED light, 90-240 Vac, for compatible control units	1
ELDC	Neutral, LED light, 12-36 Vdc, for compatible control units	1

Code	ELAC	ELDC
TECHNICAL SPECIFICATIONS		
Power supply	90-240 Vac, 50/60 Hz	12-36 Vdc
Maximum absorption* (mA)	36	230
Maximum power* (W)	5	5.6
Bulb	white LED	
Internal flashing light	Yes	
PERFORMANCE DATA		
Max. operating cycle	33% (5s on, 10s off)	50% (5s on, 5s off)
DIMENSIONAL AND GENERAL DATA		
Protection level (IP)	44	
Working temp. (°C Min/Max)	-20 ÷ +50	
Dimensions (mm)	132x72x155	

* Consumption measured with LED always on.

TABLE OF FLASHING LIGHT/CONTROL UNIT COMPATIBILITY

Code	MC200	DPRO500	MC300	A924	MC824H	MC424L	WALKY	HYKE	ROAD	ROBUS	RUN	NAKED SLIDING 400/SLIGHT	TUB	SPY	SPIN / SPINBUS	TEN	SOON	S/M/L BAR	WIDE
ELAC	•	•	•										•						
ELDC				•	•	•	•	•	•	•	•	•		•	•	•	•	•	•

VERSATILE: CAN BE MOUNTED ON A SURFACE, COLUMN OR WALL
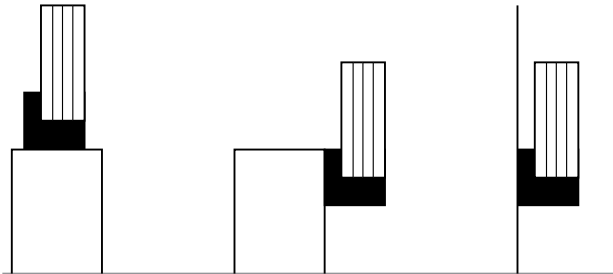
Wallyght

Multi-function LED indicator

The only version with 12/24 Vac/Vdc power supply and flashing light function, courtesy light function or dusk sensor function.

A new idea for improved safety: when connected to compatible control units, Wallyght can act as a normal flashing light, or provide ambient lighting like a fixed courtesy light.

When connected to a 12/24 Vac/Vdc output, Wallyght can remain permanently lit and also be activated at dusk to then turn off at dawn thanks to the integrated dusk sensor.

Optimal efficiency, extra long life: the two 1 W-LEDs guarantee a lifetime of 70.000 hours (continuous use).

Horizontal, wall or ceiling mounting: combined with the possibility of orienting the light beam and compact dimensions of the IP44 box, use of Wallyght is even more flexible.
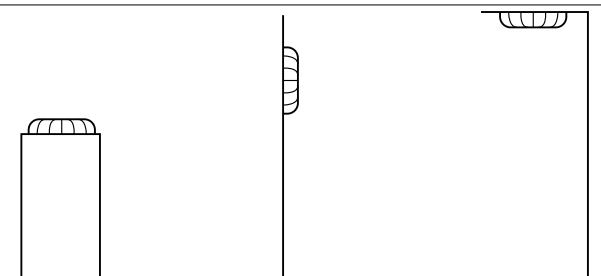
TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
WLT	Multi-function LED indicator.	1

TABLE OF FLASHING LIGHT/CONTROL UNIT COMPATIBILITY

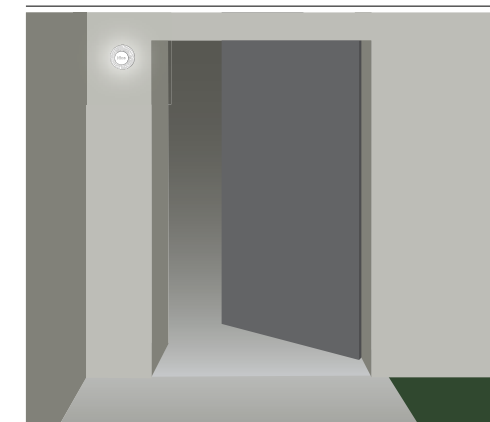| Code	A924	MC824H	MC424L	WALKY	POP	HYKE	ROAD	ROBUS	RUN	NAKED SLIDING 400/SLIGHT	SPY	SPIN / SPINBUS	TEN	SOON	S/M/L BAR	WIDE
WLT	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

RECOMMENDED INSTALLATION MODE

PATH INDICATORS ON ENTRANCE PATHWAYS

COURTESY LIGHT

Solemyo

Solar power system for automation systems

SOLEMYO | **24V**

PSY24

SYP

Solemyo is the solar power system to automate gates, garage doors and road barriers, even those located far from the electrical mains.

Solemyo is available both in kit version and single products.

Installable anywhere: without the need for connections or excavations, even in the most remote locations or those difficult to access with the power mains.

Increased savings and respect for the environment: thanks to solar energy, free and clean: an ecological and intelligent choice with short term benefits.

Low consumption with no risk of blackouts: the extended duration of the energy reserve, combined with the low consumption of the automations, guarantee operation also in prolonged overcast conditions.

Less consumption, more autonomous operation!

Perfect operation ensured even at night time or in prolonged overcast conditions, guaranteeing comfort and safety.

Ease of use: the SYA1 auxiliary power supply unit enables rapid battery charging via a 230 Vac power mains, as an alternative to the photovoltaic module.

Battery charge status Led indicators.

Installation advice: if two or more parallel-connected solar panels have to be installed, purchase individually the items that make up the Solemyo system to increase the system's charging capacity or use just one SYA1 transformer to charge several PSY24 battery boxes.

The kit contains:

SYP: photovoltaic panel for 24 V supply.

PSY24: 24 V battery box with control circuit and carry handles. It stores the electrical energy produced by the SYP panel, with continuous and permanent supply throughout the day.

Cables and connectors necessary for the connection.

TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
SYKCE	Solar power kit comprising SYP photovoltaic panel and PSY24 battery box with charging control circuit	21
SYP	Photovoltaic panel for 24 V supply with maximum power 15 W	
SYP30	Photovoltaic panel for 24 V supply with maximum power 30 W	
PSY24	24 V battery box with control circuit and carry handles	


The SYP30 photovoltaic panel

Sold individually, is ideal in all the situations with low exposure to the sun or automations with high intensity of use.

Code	PSY24	SYP30	SYP	SYA1
Power supply (Vac 50/60 Hz)		-		110 ÷ 240
Rated voltage (V)		24		-
Maximum current (A)	10		-	
Peak power (Wp)	-	30	15	-
Maximum power (W)		-		60
Rated battery capacity (Ah)	20		-	
Protection level (IP)	44		-	
Working temp. (°C Min/Max)	-20 ÷ +50*	-40 ÷ +85		0 ÷ +40
Complete recharging time (hours)	~ 15**		-	
Dimensions (mm)	235x170x258 h	450x25x550 h	390x28x415 h	132x58x30 h
Weight (kg)	14	3.5	1.9	0.345

* 0 ÷ 40 if recharged from the power mains with SYA1 power supply unit.
** Using the power supply unit via the mains.

INSTALLATION DIAGRAM
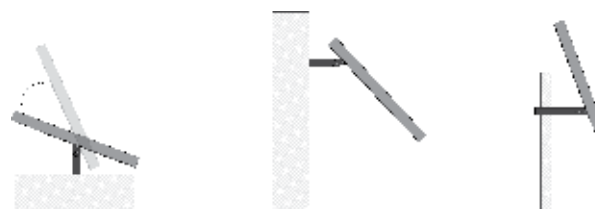
Flexible: Solemyo adapts perfectly to all types of installation.

ACCESSORIES

SYA1
Power supply unit for charging the battery PSY24 from the supply mains.

Pc./Pack 1

Nice

FT210, FT210B

Pair of optical devices for sensitive edges

Optical device, with wireless transmitter to secure on moveable leaf, horizontally adjustable through 210° and 30° vertically, for an automation according to Standards.

Consideration towards personal safety and product quality.

The safety level of the main edge, required by the EN12453 standard, can be achieved for any "type of use" and any "type of activation" by integrating a FT210/FT210B device to an 8.2 KOhm TCB65 type resistive sensitive edge

The FT210/FT210B device, integrated with a "resistive" sensitive edge (8.2 KOhm), is safe against individual faults (category 3 according to the EN 954-1 standard) or can be used with automated systems with self-diagnosis at the start of every manoeuvre (category 2 according to the EN 954-1 standard).

PPH2   **PPH1**   **FA1**

Additional models

Versions with relay output (FT210), with Nice BlueBUS technology (FT210B), available with 2 Ah (FTA2) and 7 Ah (FTA1) battery Kit, for intensive use.

Cutting-edge technology

The anti-collision circuit avoids interference with other out-of-sync receivers.

The FT210/FT210B optical devices are equipped with a special sensor capable of recognising when the gate is motionless, which remains in a low consumption mode and activates only when the gate is in motion.

Range adjustable on 2 levels; alignment with proportional LED for easy and safe installation.

Suitable for any architectural environment and easy to install.

Compact size: Reduced dimensions: 46x128x45; electrical connections can also be made from the lower section of the box.

Resilient and safe Polycarbonate casing; FA1 vandal-proof metal shell (optional); low transmitter battery indicator.

TECHNICAL SPECIFICATIONS

| Code	Description	Pack/Pallet
FT210	Pair of optical devices for sensitive edges fastened on moving door, can be swivelled through 210° with relay output. Battery kit (FTA1/FTA2) compulsory	1
FT210B	Pair of optical devices for sensitive edges fastened on moving door, can be swivelled through 210° with BlueBUS technology. Battery kit (FTA1/FTA2) compulsory	1

	Estimated range (m)	Power supply	Absorption	Protection level (IP)	Working temp. (°C Min/Max)	Relay range	Dimensions (mm)	Weight (g)
FT210	10 (residential), 15 (industrial)	RX: 12-24 Vac/Vdc limits: 18-35 Vdc, 10-28 Vac TX: 3.6 V lithium battery	RX: 120 mA - 12 V, 70 mA - 24 V TX: 20 uA gate not moving, 450 uA gate operating	44	-20 ÷ +55	max 500 mA and 48 V	46x45x128 h	300
FT210B		RX: the device can only be connected to "BlueBUS" networks	1 BlueBUS unit TX: 20 uA gate not moving, 450 uA gate operating			-		280

ACCESSORIES

Code	Description	Pack/Pallet
FA1	Vandal-proof metal shell	2
FA2	Bracket for fixing to PPH2 and PPH1 columns	5
FTA1	7 Ah battery kit for FT210/FT210B transmitters, for intensive use	1
FTA2	2 Ah battery kit for FT210/FT210B transmitters	1
PPH2	Aluminium post for 2 photocells, 1000 mm high	2
PPH1	Aluminium post for 1 photocell, 500 mm high	2

GATES
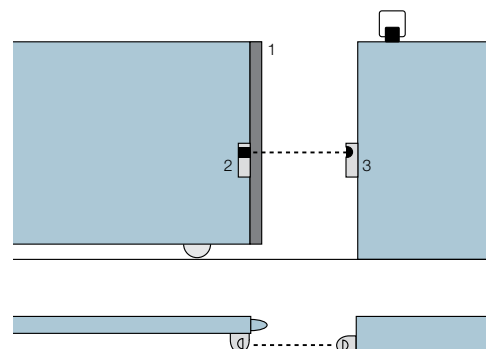
1. TCB65, resistive sensitive edges
2. Tx FT210 power supply with battery
3. Rx FT210

Nice

F210, F210B

Synchronised photocells adjustable

Synchronised photocells horizontally adjustable through 210° and 30° vertically.

Simply perfect installations.

The 210° solution

The beam of the Nice F210 and F210B photocells has a horizontal scope of 210°, thereby increasing the safety level of the system and simplifying installation: the gate or garage door to be automated quite often slide flush with the wall making it very difficult to position the photocell.

Numerous models and countless advantages

The new photocells are available with relay output (F210) or with the Nice BlueBUS technology (F210B).

With the BlueBUS technology, all devices can be easily connected to the control unit with just two wires.

PPH2   **PPH1**   **FA1**

Sensors with the BlueBUS technology can be connected to incompatible control units by means of an IB interface.

The system acquires automatically the devices connected to the BlueBUS network.

Suitable for any architectural environment and easy to install.

Compact size: Reduced dimensions: 46x128x45; electrical connections can also be made from the lower section of the box.

Resilient and safe Polycarbonate casing; FA1 vandal-proof metal shell (optional).

Cutting-edge technology The problem of interference between the sensors and the automatic synchronisation between several pairs of photocells is solved by the anti-blinding circuit.

High range adjustable on 2 levels; synchronising circuit; alignment with proportional Led for easy and safe installation.

TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet
F210	Pair of synchronised photocells adjustable through 210°, with relay output	1
F210B	Pair of synchronised photocells adjustable through 210°, with the Nice BlueBUS technology	1

	Estimated range (m)	Power supply	Absorption	Protection level (IP)	Working temp. (°C Min/Max)	Relay range	Dimensions (mm)	Weight (g)
F210	10 (30 with jumper cut)	without jumper 24 Vac/Vdc limits: 18-35 Vdc, 15-28 Vac with 12 Vac/Vdc jumper limits: 10-18 Vdc, 9-15 Vac	25 mA RX, 30 mA TX	44	-20 ÷ +55	max 500 mA and 48 V	46x45x128 h	230
F210B		the device can only be connected to "BlueBUS" networks	1 BlueBUS unit			-		

ACCESSORIES

Code	Description	Pack/Pallet
IB	Interface for connecting BlueBUS F210B photocells up to control units which have not been manufactured for this purpose	1
FA1	Vandal-proof metal shell	2
FA2	Bracket for fixing to PPH2 and PPH1 columns	5
PPH2	Aluminium post for 2 photocells, 1000 mm high	2
PPH1	Aluminium post for 1 photocell, 500 mm high	2

TECHNICAL SPECIFICATIONS

	Power supply	Absorption with power pack 24 Vdc	Absorption with power pack 24 Vac	Output BlueBUS	Protection level (IP)	Operating temperature (°C Min/Max)	Dimensions (mm)	Weight (g)
IB	16 ÷ 35 Vdc 18 ÷ 28 Vac	50 mA (add approx. 50 mA for each photocell pair)	44 mA (add approx. 40 mA for each photocell pair)	with a load of max 9 BlueBUS units	30	-20 ÷ +55	86x58x22 h	72

IB   **FA1**

Kio

Key-operated selector switch for low voltage contacts

With release mechanism for metal cable, ideal for automating sectional doors, rolling doors and folding doors.

User-friendly: Kio is both a key-operated selector switch and a release device. Its design makes it very convenient and effortless to use, and easy to install anywhere thanks to its very narrow outline.

Long-lasting: made from cast aluminium, epoxy-power coated.

Easy: LED allows you to locate the selector switch even in total darkness.

More safety: coded key. Release device activated directly by opening the door or by the winding device.

The very first product to incorporate the key-operated control and release motor functions.

Code	Description	Pack/Pallet
KIO	Key-operated selector switch for low voltage contacts, with release mechanism for metal cord	1
KA1	6 m cable release kit for KIO	1

KIO **KA1**

Kiomini

Aluminium key switch

With control button and release mechanism for metal cable.

Practical: Kiomini is both a lever for the release mechanism for metal cord and a control mechanism for the direct or through a control unit activation of a single phase motor.

Resistant: a vandal-proof die-cast aluminium casing. The access to the sector is possible by a thick door with closing key.

Convenient: thanks to its small dimensions, it is easy and compact to install.

Code	Description	Pack/Pallet
KIOMINI	Aluminium key switch with control and release mechanism	1
KA1	6 m cable release kit for KIO	1

KA1

O-View

Multipurpose control unit

TECHNICAL SPECIFICATIONS

Code	Description	Pc/Pack
OVIEW	Unit for control, programming and diagnostics of devices equipped with BUS T4 connection	1
OVBT	Bluetooth module for O-View and "O-View Software Suite" application for PC, PDA or Smartphone	1
OVBTGSM	GSM module for O-View and "O-View Software Suite" application for PC, PDA or Smartphone	1

Graphic interface	LCD display 128x64 dots (46x29 mm); 2.2"
Operator input device	Joypad with 5 + 2 keys
Display/key lighting	White light
Time and date display	With backup battery (min. lifetime 10 years)
Maximum number of commands per hour	64
Event log	Storage capacity 400 events
Connection cable length (m)	2 (cable supplied); 700 (other cable)
Power supply	Supplied by devices on BUS T4 network
Absorbed current (mA)	Max. 20 (without accessories)
Insulation	Class III
Housing protection rating (IP)	20
Working temp. (°C Min/Max)	From -20° to +55°
Dimensions (mm)	107x61x20 h (with wall-mounted support: 125x70x32 h)
Weight (g)	75 (without cable)

OVBT **OVBTGSM** **O-VIEW SOFTWARE SUITE**

ACCESSORIES

Code	Description	Pc/Pack
OVA1	Clamp for fitting connectors RJ14	1
OVA2	Connectors RJ14, type 6/4, for flat 4-wire cable	5
OVA3	RJ14 splitters, type 6/4, for cascade connection of devices on BUS T4 network	5
OVA4	Flat 4-wire cable for connection of devices on BUS T4 network, length 100 m	1

OVA1 **OVA2** **OVA3** **OVA4**

Unit for control, programming and diagnostics for devices equipped with BUS T4 connection, on site or remotely via GPRS thanks to the connection with your PDA, Smartphone or PC.

Advanced management: O-View connects to the compatible control unit by IBT4N interface and BUS T4 cable (supplied), providing access to all control unit parameters to adapt the system to every need.

By connecting O-View permanently to a control unit or group of control units via BUS T4, a network can be created for local or remote centralised management.

Programmable: thanks to the built-in clock, it is also possible (with integrated backup battery) to program delivery of commands at a set time, for example to automate opening and closing of complex industrial and commercial systems or for the creation of "scenarios".

A practical wall-mounted support supplied.

Simple programming mode: with intuitive menus valid for each product, with no need to consult the specific instructions.

O-View powers up and automatically recognises all devices on the network as soon as it is connected, displaying only the specific parameters of the device on which to intervene.

In the case of several devices on the network the BUS T4 address is identifiable by means of a text label personalised as required, enabling rapid recognition of the associated device.

Safe: two password- protected levels (for the user and the installer).

Practical: O-View is your portable office, and can be connected just when programming or for maintenance, or can be installed permanently on site to exploit all the benefits of local or remote centralised management.

TERMS AND CONDITIONS

NICE AUSTRALIA HOME AUTOMATION PTY LTD ABN 59 122 778 269 (Nice)

These terms and conditions (Terms) apply in any contract of goods or services made between Nice as supplier and you as buyer. We may change these Terms without notice to you before we accept your order. These Terms supersede any inconsistent provisions contained in any purchase order or any document issued by you. No other document purporting to modify these Terms will be binding on Nice unless made in writing and signed by an authorised representative of Nice.

1. **Definitions**

In these Terms (unless the context requires otherwise): Business Day means any day which is not a Saturday, Sunday or public holiday in South Australia; Encumbrance means any security, mortgage, charge, pledge, lien, trust, encumbrance or any other security interest under the Personal Property Securities Act 2009 (Cth) as amended or replaced from time to time; Goods means goods and/or services (as the case may be) supplied or to be supplied by Nice to you pursuant to an order; GST has the meaning given to it in the A New Tax System (Goods and Services Tax) Act 1999 (Cth) as amended or replaced from time to time; Insolvency Event means the happening of any of the following events: (a) a party suspends payment of its debts generally or is or becomes unable to pay its debts within the meaning of the Corporations Act 2001 (Cth) as amended or replaced from time to time; (b) a party enters into, or resolves to enter into, any arrangement, composition or compromise with, or assignment for the benefit of, its creditors or any class of them; (c) a receiver, receiver and manager, liquidator, provisional liquidator, administrator, trustee or similar official is appointed over any of the assets or undertakings of a party, (d) an application or order is made for the winding up or dissolution of a party, or a resolution is passed or any steps are taken to pass a resolution for the winding up or dissolution of a party, except for the purpose of an amalgamation or reconstruction; (e) a party becomes bankrupt; or (f) a party ceases, or threatens to cease, to carry on business; Law includes any requirement of any statute, rule, regulation, proclamation, ordinance, by-law, industry code or standard, whether present or future, and whether local, state, federal or otherwise, and includes without limitation the common law and equity; Loss means: all claims, demands, allegations, suits, actions and proceedings of any nature and howsoever arising (whether under common law, equity, statute or otherwise); and costs (including without limitation legal costs on a full indemnity basis), damages, expenses, charges, interest, liabilities, losses and Taxes; Quote means the written quote issued by Nice setting out the details of the Goods to be supplied by Nice (including without limitation any specifications relating to the Goods) and includes your acceptance; Tax means any tax, levy, charge, impost, duty (including without limitation import duty), fee, deduction, compulsory loan or withholding which is assessed, levied, imposed or collected by any government agency and includes without limitation any interest, fine, penalty, charge, fee or other amount imposed in respect of any of the foregoing.

2. **Quote**: Nice may change or withdraw any quote we give you, prior to our acceptance of your order.

3. **Orders**: Orders must be submitted to Nice in writing and are subject to acceptance by Nice and the availability of the Goods. Nice will satisfy each order to the extent that it is reasonably able to obtain supply of the Goods but not otherwise. You acknowledge that Nice may change or modify the technical characteristics of its products at any time without prior notice or liability. Illustrations, catalogues, colours, drawings, dimensions, statements of weight and measurements etc made available on advertising materials (other than official technical drawings) are only intended to present a general idea of Goods to which they refer and are approximate only and do not form any part of the Quote or these Terms.

4. **Cancellation and returns**: Once we accept your order, you may not cancel an order or delay delivery unless we agree in writing. You may not return Goods unless we agree in writing and your request is made within 10 Business Days of the date of the invoice. Any agreement to a cancellation or return will be subject to Nice being reimbursed and indemnified against all expenses incurred in relation to any part of the order that is cancelled and in the case of a return, a re-stocking charge of at least 20% of the Price of the Goods. You may not return any non-stock or special manufactured Goods.

5. **Price**: The price charged by Nice for the Goods will be the price set out in the Nice price list at the date of the supply of the Goods unless otherwise agreed in writing (Price). The Price is exclusive of GST and other Taxes. You must pay any GST and other applicable Taxes in addition to the Price. You must also pay for any shipping costs and any insurance requested by you. Nice may amend its price lists, invoices and credit notes at any time to correct any error of calculation or clerical or typographical error and may amend the Price if there is any variation in the details, sizes, quantity, delivery instructions or any other item on which a Quote or invoice is based.

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7. **Delivery**: Delivery times are estimates only and Nice is not liable any delay in delivery of Goods. You are not relieved of any obligation to accept delivery or pay for Goods because of a delay in delivery. Nice may at its discretion deliver the Goods in instalments. You are deemed to have accepted delivery of the Goods at the expiration of 5 Business Days from delivery. If you request special delivery arrangements or request Nice to arrange and prepay a carrier, risk in the Goods passes to you upon the Goods leaving Nice's premises and Nice will not be liable for any damage, shortage or loss suffered during transit.

8. **Risk and Title**: Risk in the Goods passes from Nice to you upon delivery of the Goods to you or your agent. Goods remain the property of Nice until payment of the Price of the Goods in full. Until payment is made by you in full, you acknowledge that you hold the Goods as bailee for Nice and must store the Goods so that they can be separately identified from other goods. Until payment is made in full, Nice is entitled to retake possession of the Goods and you consent to Nice or its servants or agents entering upon your premises or other premises upon which the Goods are situated to recover them. You agree to indemnify and hold Nice harmless for the cost of collection, enforcement and any legal action in respect of the recovery of the Goods. Nice may sell the Goods and keep the proceeds of sale and any shortfall will be a debt owed by you to Nice. You agree to do all things necessary to enable Nice to register its interest in the Goods under the Personal Property Securities Act 2009 (Cth) until payment is received.

9. **Warranty**: Nice Australia Home Automation Pty Ltd ("Nice") warrants to you that Nice has a legal capacity to enter and perform its obligations under these Terms and Nice will pass good title of the Goods to you free of all encumbrances. Nice further warrants that Goods manufactured by it will be free from defect in manufacture for a period listed below from the date of invoice. Where the Goods are not manufactured by Nice, you will have only the benefit of the manufacturer's warranty from the date of invoice. If you claim that Goods are faulty you must obtain a repair authority and return the Goods to Nice, or its authorised representative, at your expense for inspection or testing. If Nice determines that there is a fault with the Goods caused by faulty workmanship or materials within the warranty period, Nice will make all necessary repairs, or at its discretion replace the product at no charge to you except for freight. Goods returned under warranty for repair or testing will incur a charge to be repaired by Nice if no warrantable fault is found. A warranty is negated and will not apply if you cannot produce proof of date of purchase, the Goods have NOT been used and maintained in accordance with instructions provided by Nice or the Manufacturer, the Goods are altered, tampered with or repaired by personnel not authorised by Nice, or if the fault has occurred due to an act of God, direct or indirect lightning strikes, electrical surges or spikes, fire, sabotage, unforeseen environmental conditions, vandalism or negligence. You are not entitled to delay or withhold any payment due on the grounds of any warranty claim. Nice Gate & Door - 36mths, Nice & Elero tubular motors (Screen) - 5years, Elero Linear - 2 years, Nice Industrial Gate (GDS) - 12mths, all electronics and controls - 12mths, Nice Industrial (Door) 2years or 500hrs. Spare parts and after sales components - All electronics and controls - 12months (batteries not included) All spare part replacement components – 12 months.

10. **Limitation of liability**: To the fullest extent permitted by Law, Nice excludes all other terms, conditions or warranties with respect to the Goods implied by custom, the general law or statute to the extent permitted by the Law. The liability of Nice under these Terms is limited to the replacement or repair of Goods or the supply of equivalent Goods. To the fullest extent permitted by Law, Nice is not in any way liable to you or any third party for death or injury to any person or any indirect or consequential Loss including loss of profits or any other damage arising directly or indirectly from the supply or failure to supply the Goods or any negligent act or omission or breach of these Terms by Nice or its agents.

11. **Your Representations and warranties**: You represent and warrant to Nice that you have legal capacity to enter into and perform your obligations under these Terms, no Insolvency Event has occurred in relation to you and you are not aware of any circumstance which might result in an Insolvency Event occurring. You will indemnify and keep indemnified Nice and its officers, employees, contractors and agents from and against any Loss they may suffer as a result of any breach of a warranty by you or your representatives, any act or omission arising directly or indirectly from any breach of these Terms or any negligent or unlawful act or omission in connection with the Goods.

12. **Intellectual Property**: You acknowledge that Nice products are protected by patents and design registrations which, together with all associated know-how, are the exclusive property of Nice. You will not violate the intellectual property rights of Nice by removing, covering or in any way covering or interfering with any trade marks, distinctive marks or labels and the like attached to any Goods or apply new trade marks, distinctive marks or labels. You may not copy or reproduce any Nice trademarks, logos, emblems, symbols or the like without our written consent.

13. **General**: These Terms are governed by the laws of South Australia and the parties submit to the non exclusive jurisdiction of the courts of South Australia. Nice may vary these Terms at any time by notice in writing to you. If any provision of these Terms is invalid and not enforceable in accordance with its terms such provision is deemed to be deleted and all other provisions which are self-sustaining and capable of separate enforcement without regard to the invalid provisions will be, and continue to be, valid and enforceable in accordance with their terms. You may not assign your rights under these Terms unless with the prior written approval of Nice. Each party must at its own expense do everything reasonably necessary to give effect to these Terms and the transaction contemplated by these Terms. These Terms constitutes the entire agreement of the parties and supersedes all prior discussion and undertakings and agreements.

14. **Notices**: Any notice required to be served by one party on the other party pursuant to these Terms must be in writing and must be served by being: (a) left at the address for service of the party to be served; (b) sent by prepaid ordinary mail to the address for service of the party to be served; (c) sent by facsimile to the facsimile number for service of the party to be served; (d) sent by email to the email address of the party to be served. Service will be deemed to have been effected: (a) if delivered, at the time of delivery; (b) in the case of service by post 5 Business Days after posting; (c) in the case of service by facsimile, when the party serving the notice has a completed transmission report indicating successful transmission of all pages to the correct facsimile number, and the party to be served has not advised incomplete or illegible transmission within 2 hours of transmission; (d) in the case of service by email, when the computer of the party serving the notice indicates that the message has been received and that it has not bounced.

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