

Nice Swing gates



The most complete and innovative range to automate swing gates.



Nice

Home Automation

Excellent reasons to choose Nice.
Simple and practical solutions
for any of automation.





A comprehensive range and compatible systems.

Nice offers a comprehensive range of products: a wide range of systems and products for the automation of gates, garages, shutters, barriers, awnings, shutters and now also alarm systems. All products are compatible with one another and easily integrated with existing systems.

Design

Today, Nice products are exhibited in design and applied art museums, and were presented with an awards at the XIX Compasso d'Oro, the most important international event in the design field.



Increasingly innovative.

The NRC systems and Nice Solemyo make installation of all automations both simple and economic, in new and restored buildings alike. Opera and BlueBUS simplify the installation, the programming and use of each automation.



Solemyo is the kit for solar power for the automation of gates, garage doors and barrier gates.

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.



The NRC systems (Nice Radio Connection),

avoiding the cost effort of building work or the installation of unsightly ducting for routing control cables make the installation of any automation much simpler and economical, in new buildings, and all renovated constructions.



Opera marks the future of the automation.

The innovative system Nice Opera makes the work for the installer easier thanks to the remote control of any automation system via PC and PDA, while customers can manage home automation via Bluetooth, GSM or GPRS.



Easy and quick installations, just two wires without polarity!

With Nice's revolutionary BlueBUS system far fewer connections are required, which means incredible time savings: just two wires, which carry both the communication signals and the power supply! With BlueBUS you don't need to observe any polarity, therefore any related risk factor is eliminated.



SYKCE

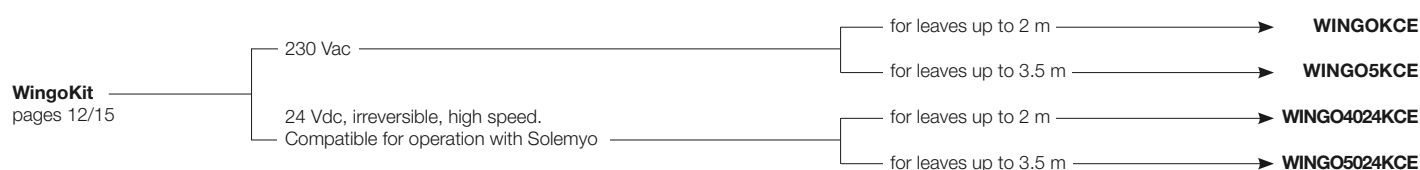
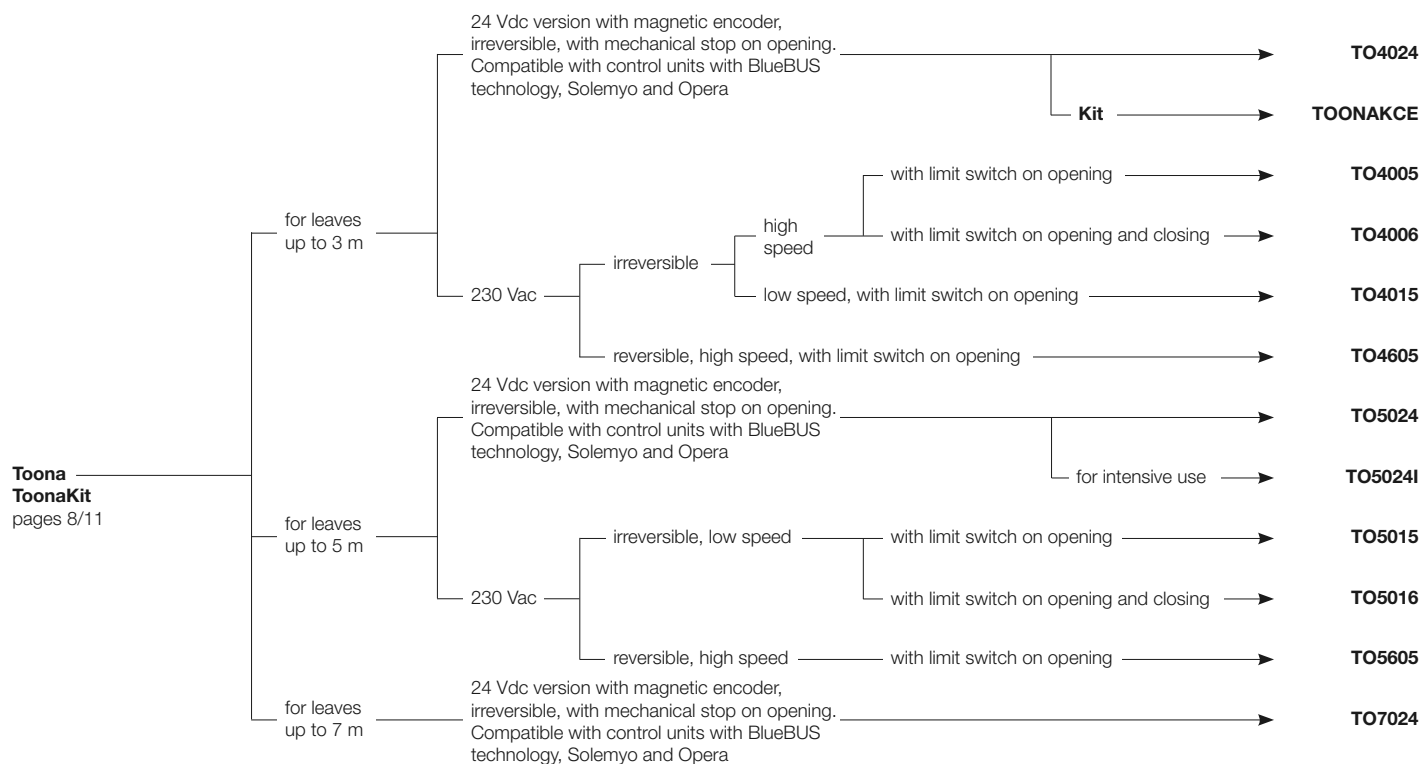
The kit contains the photovoltaic panel **SYP** that converts sunlight into electricity and the battery box **PSY24** storing the electrical energy produced by the panel, with continuous and permanent supply throughout the day.



Nice Selection guide

Follow the arrow and choose the right product

Surface mounted, also available in kit

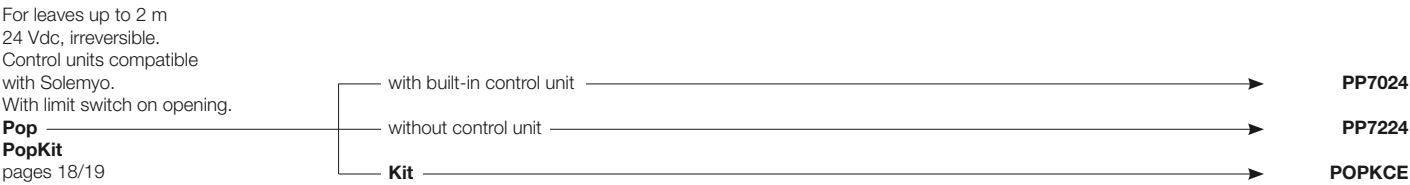


Surface mounted, with articulated arm, recommended for small posts, in kit

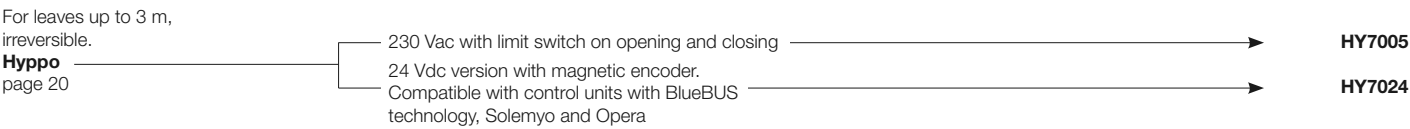
For leaves up to 1.8 m, 24 Vdc irreversible with built-in control unit equipped with BlueBUS technology, compatible for operation with Solemyo and Opera. Mechanical limit switch on closing.



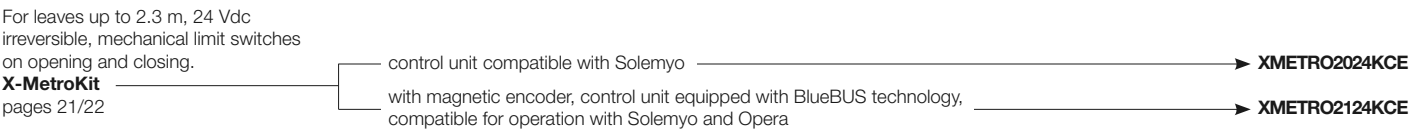
Surface mounted, articulated arm,
also for large size posts and lightweight structures,
also available in kit



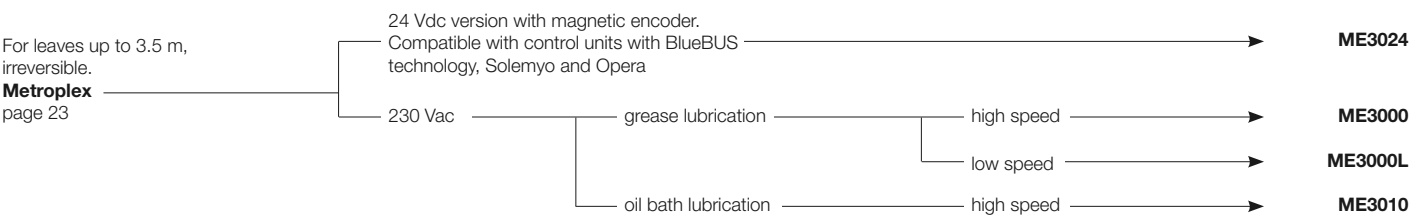
Surface mounted, articulated arm,
for large size posts



Underground installation, ultra compact,
in kit



Underground installation





For swing gates with leaves up to 3 m.

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

New third generation models:

quality and durability 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.

Reliable and silent:

patented layout of internal parts.

Lead nut in bronze

for strength and silent operation.

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.

Total interchangeability with the series

Moby: identical positions and fixing brackets.

Recommended control units:

Mindy A3, A3F, A6, A6F, A60, A700F; for TO4024 Moonclever MC824H.

24 Vdc version with magnetic encoder.

Perfect for intensive use, compatible with the control unit Moonclever MC824H, equipped with BlueBUS, and provision for operation with the systems Solemyo and Opera:

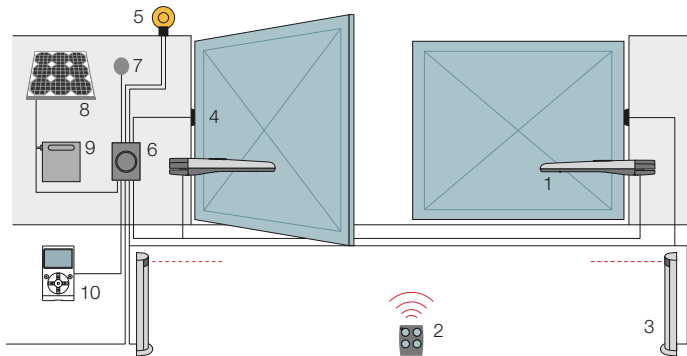
- simple programming, by means of a single key;
- self-learning of opening and closing limit positions;
- automatic fault diagnostics;
- programming of pause time;
- pedestrian pass door;
- deceleration on opening and closing;
- obstacle detection with dual technology;
- operation in event of power failure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

Technical specifications

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
Built-in capacitor (μF)	-	7			
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				

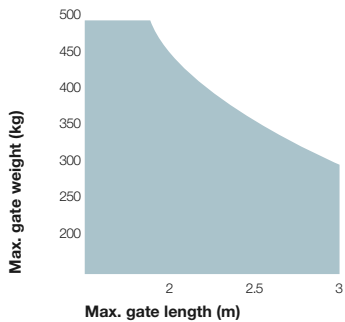
* With optimal installation.

Installation diagram



1. Toona 2. Transmitter 3. Photocells mounted on posts 4. Photocells 5. Flashing light 6. Control unit
7. Digital or key switches 8. SYP solar panel 9. PSY24 battery box 10. O-View multifunction display.
*Optional connection to Solemyo and Opera systems.

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.



For swing gates with leaves up to 5 m.
Electromechanical gear motor, surface mounted.
Also available in 24 Vdc version, with magnetic encoder.
Ideal for residential and industrial use.

New third generation models:
quality and durability 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.

Reliable and silent:
patented layout of internal parts.

Lead nut in bronze
for strength and silent operation.

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.

Total interchangeability with the series Moby: identical positions and fixing brackets.

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

Recommended control units:
Mindy A3, A3F, A6, A6F, A60, A700F; for TO5024 and TO5024I Moonclever MC824H.

24 Vdc version with magnetic encoder.
Perfect for intensive use, compatible with the control unit Moonclever MC824H, equipped with BlueBUS, and provision for operation with the systems Solemyo and Opera:

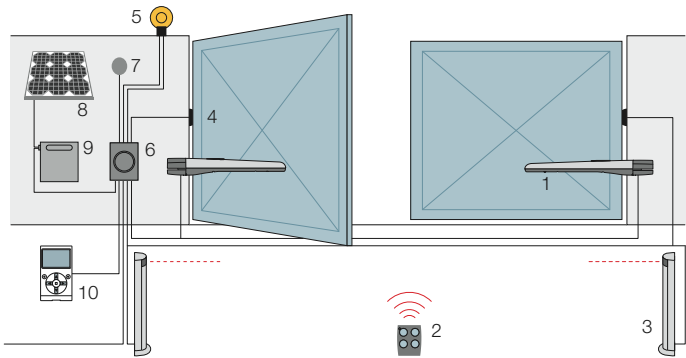
- simple programming, by means of a single key;
- self-learning of opening and closing limit positions;
- automatic fault diagnostics;
- programming of pause time;
- pedestrian pass door;
- deceleration on opening and closing;
- obstacle detection with dual technology;
- operation in event of power failure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

Technical specifications

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
Built-in capacitor (µF)	-	-	-	7	-
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	-	-

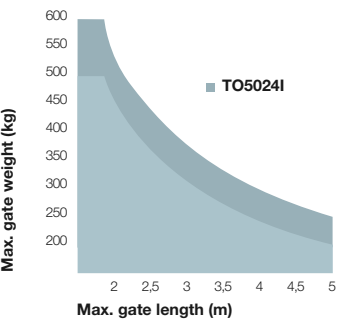
* With optimal installation.
** The reduction in number of manoeuvres with respect to the version TO5024 depends solely on the lower manoeuvre speed.

Installation diagram

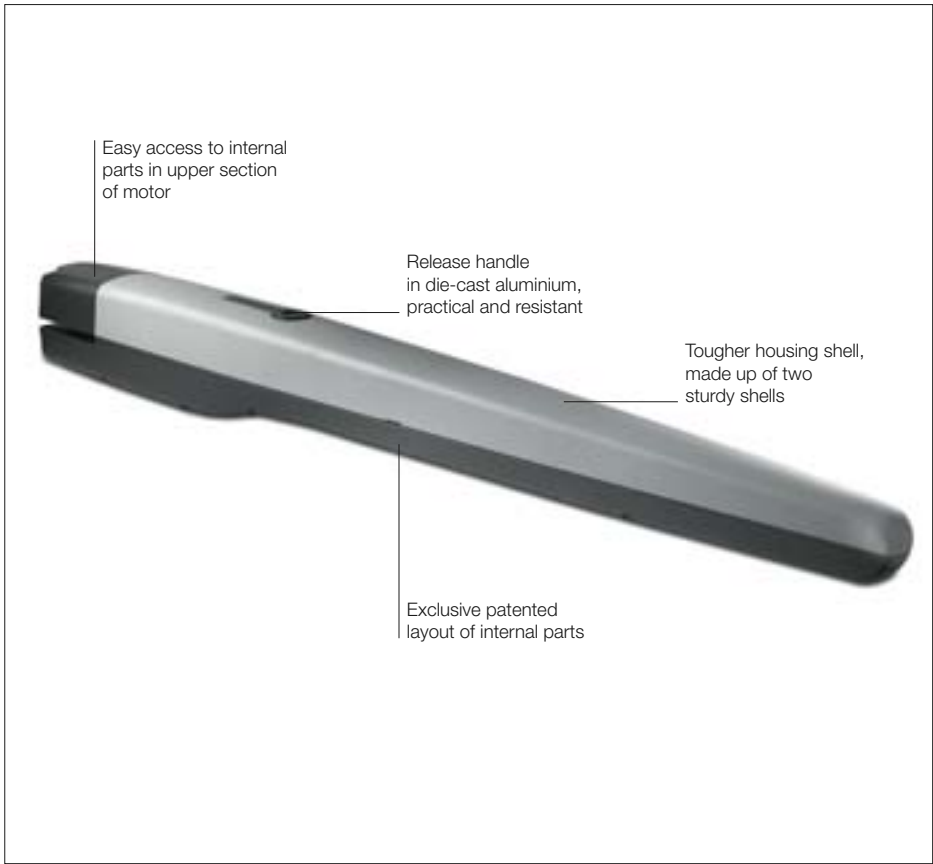


1. Toona 2. Transmitter 3. Photocells mounted on posts 4. Photocells 5. Flashing light 6. Control unit
7. Digital or key switches 8. SYP solar panel 9. PSY24 battery box 10. O-View multifunction display.
*Optional connection to Solemyo and Opera systems.

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.



For swing gates with leaves up to 7 m.
Electromechanical gear motor, surface mounted, powered at 24 Vdc, with magnetic encoder. Ideal for industrial installations, designed for intensive use.

Compatible for operation with Solemyo and Opera systems.

New third generation models: quality and durability 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.

Reliable and silent: patented layout of internal parts.

Lead nut in bronze for strength and silent operation.

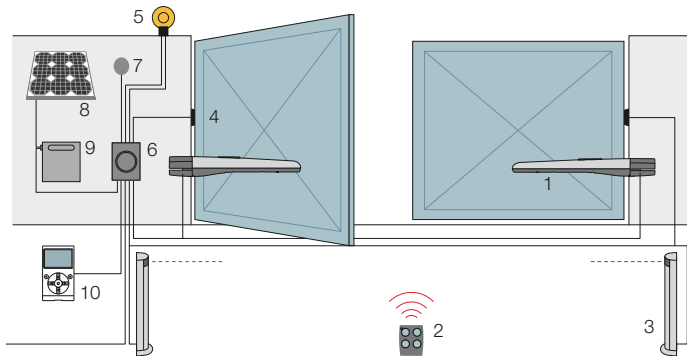
Generously sized and practical connection compartment: rapid and easy access from above to internal parts located in the upper section of the motor.

- Control unit Moonclever MC824H,** with BlueBUS technology:
- simple programming, by means of a single key;
 - self-learning of opening and closing limit positions;
 - 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.

Technical specifications

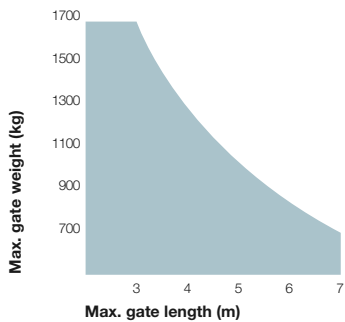
Code	TO7024
Electrical data	
Power supply (Vac 50 Hz)	-
Power supply (Vdc)	24
Absorption (A)	5
Power (W)	120
Built-in capacitor (µF)	-
Performance data	
Speed (m/s)	0.013
Force (N)	2700
Work cycle (cycles/hour)	41
Dimensional and general data	
Protection level (IP)	44
Working temp. (°C Min/Max)	-20 ÷ +50
Dimensions (mm)	1200x128x150 h
Weight (kg)	15

Installation diagram



1. Toona 2. Transmitter 3. Photocells mounted on posts 4. Photocells 5. Flashing light 6. Control unit
7. Digital or key switches 8. SYP* solar panel 9. PSY24* battery box 10. O-View* multifunction display.
*Optional connection to Solemyo and Opera systems.

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.

TO4024

Easy access to internal parts in upper section of motor

Release handle in die-cast aluminium, practical and resistant

Exclusive patented layout of internal parts

ON2

MC824H

MOFB

MOSE

MLBT

TS

The kit contains:

TO4024 2 electromechanical irreversible gear motors, surface mounted. With mechanical stop on opening.

ON2 1 transmitter 433.92 MHz, 2 channels. MC824H 1 control unit with OXI plug-in receiver.

MOFB 1 couple of external photocells designed for connection by Nice BlueBUS.

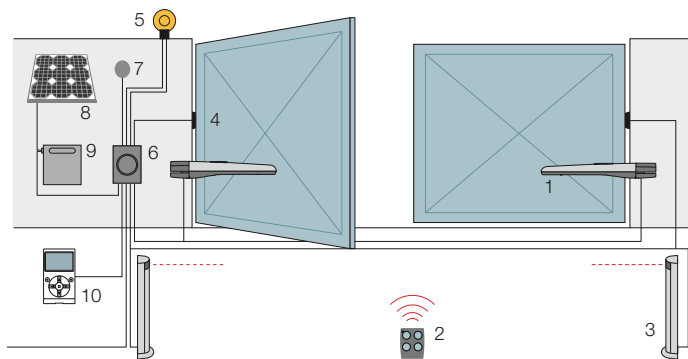
MOSE 1 key selector switch for outdoor installation. MLBT 1 flashing light with integrated aerial.

TS 1 signboard.

Technical specifications	
Code	TO4024
Electrical data	
Power supply (Vdc)	24
Absorption (A)	5
Power (W)	120
Built-in capacitor (µF)	-
Performance data	
Speed (m/s)	0.016
Force (N)	1800
Work cycle (cycles/hour)	95*
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.

Installation diagram



1. Toona 2. Transmitter 3. Photocells mounted on posts 4. Photocells 5. Flashing light 6. Control unit 7. Digital or key switches 8. SYP* solar panel 9. PSY24* battery box 10. O-View* multifunction display.
*Optional connection to Solemyo and Opera systems.

For swing gates with leaves up to 3 m, ideal for residential use. Electromechanical gear motor, surface mounted, powered at 24 Vdc, with magnetic encoder.

Compatible for operation with Solemyo and Opera systems.

New third generation models: quality and durability 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.

Reliable and silent: patented layout of internal parts.

Lead nut in bronze for strength and silent operation.

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

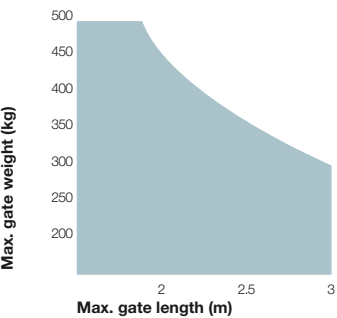
Ease of installation and maintenance.

Total interchangeability with the series Moby: identical positions and fixing brackets.

Control unit Moonclever MC824H, with BlueBUS technology:

- simple programming, by means of a single key;
- self-learning of opening and closing limit positions;
- 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.

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.

WG4000

User-friendly release with personalised Nice key or standard lock (optional)

Exclusive, patented layout of the internal components

FLO2R-S

A400

MOF

MOSE

MLT

PLA13 TS

The kit contains:

WG4000 2 surface-mounted electromechanical gear motors, with Nice key release.

FLO2R-S 1 transmitter 433.92 MHz, 2 channels. **A400** 1 control unit A400 with SMXI plug-in receiver.

MOF 1 pair of photocells for outdoor installation. **MOSE** 1 key selector switch for outdoor installation.

MLT 1 flashing light with integrated aerial. **PLA13** 2 travel stops for opening manoeuvres. **TS** 1 signboard.

For swing gates with leaves up to 2 m, surface mounted.

Patented layout of the internal components: fewer moving parts **means greater reliability and quiet operation.**

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

Built-in capacitor.

User-friendly release with personalised Nice key or standard lock (optional).

Pre-assembled, **travel stops** PLA13 on opening.

A400 control unit: for 2 motors, microprocessor logic, with obstacle detection system, IP55 case. Only for Wingo.

Technical specifications	
Code	WG4000
Electrical data	
Power supply (Vac 50 Hz)	230
Absorption (A)	1.5
Power (W)	200
Built-in capacitor (µF)	5
Performance data	
Speed (m/s)	0.016
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)	770x98x95 h
Weight (kg)	6

Installation diagram

Utilisation limits

1. Wingo 2. Transmitter 3. Photocells mounted on posts 4. Photocells 5. Flashing light 6. Control unit 7. Digital or key switches.

12

WG5000

User-friendly release with personalised Nice key or standard lock (optional)

Exclusive, patented layout of the internal components

FLO2R-S

A60

MOF

MOSE

MLT

PLA13 TS

The kit contains:

WG5000 2 surface-mounted electromechanical gear motors, with Nice key release.

FLO2R-S 1 transmitter 433.92 MHz, 2 channels. **A60** 1 control unit A60 with SMXI plug-in receiver.

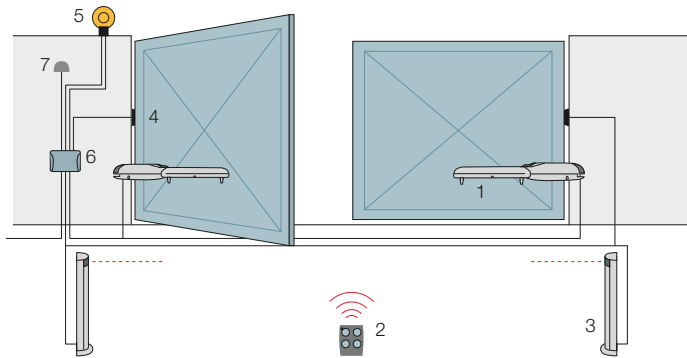
MOF 1 pair of photocells for outdoor installation. **MOSE** 1 key selector switch for outdoor installation.

MLT 1 flashing light with integrated aerial. **PLA13** 2 travel stops for opening manoeuvres. **TS** 1 signboard.

Technical specifications

Code	WG5000
Electrical data	
Power supply (Vac 50 Hz)	230
Absorption (A)	1.5
Power (W)	200
Built-in capacitor (µF)	5
Performance data	
Speed (m/s)	0.013
Force (N)	1700
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

Installation diagram



1. Wingo 2. Transmitter 3. Photocells mounted on posts 4. Photocells 5. Flashing light 6. Control unit 7. Digital or key switches.

For swing gates with leaves up to 3.5 m, surface mounted.

Patented layout of the internal components: fewer moving parts **means greater reliability and quiet operation.**

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

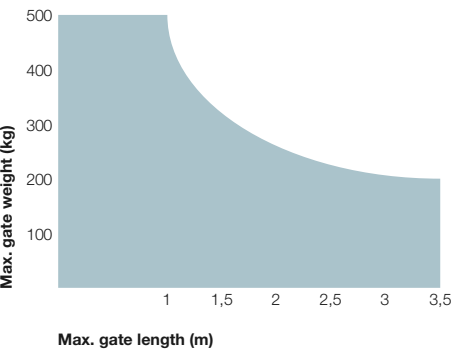
Built-in capacitor.

User-friendly release with personalised Nice key or standard lock (optional).

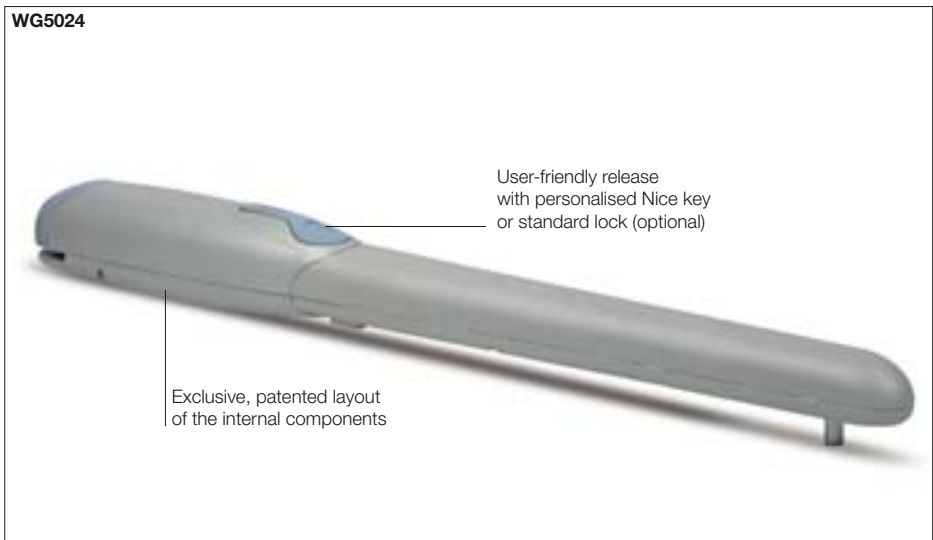
Pre-assembled, **travel stops PLA13** on opening.

A60 control unit: for two 230 Vac motors with electronic clutch and slowdown, IP55 casing.

Utilisation limits



WG5024



FLO2R-S



MC424



MOF



MOSE



ML24T



PLA13 TS



The kit contains:

WG5024 2 surface-mounted electromechanical gear motors, with Nice key release.
FLO2R-S 1 transmitter 433.92 MHz, 2 channels. **MC424** 1 control unit with SMXl plug-in receiver.
MOF 1 pair of photodetectors for outdoor installation. **MOSE** 1 key selector switch for outdoor installation.
ML24T 1 flashing light with integrated aerial. **PLA13** 2 travel stops for opening manoeuvres. **TS** 1 signboard.

For swing gates with leaves up to 3.5 m, surface mounted.
24 Vdc electromechanical gear motor.

Compatible for operation with Solemyo system.

Patented layout of the internal components: fewer moving parts **means greater reliability and quiet operation.**

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

User-friendly release with personalised Nice key or standard lock (optional).

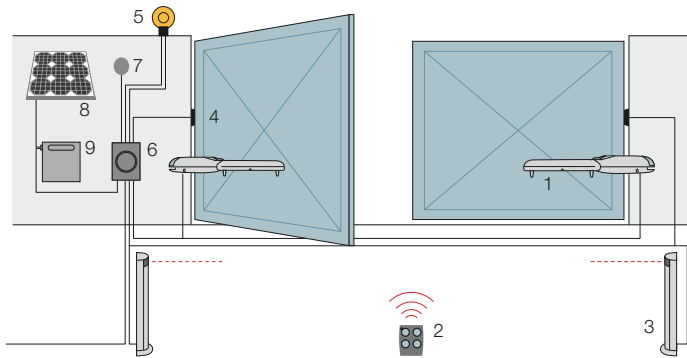
Pre-assembled, **travel stops PLA13** on opening.

New Moonclever control unit MC424:

- simple programming, by means of a single key;
- clutch with anti-crush safety feature;
- automatic memorization 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.

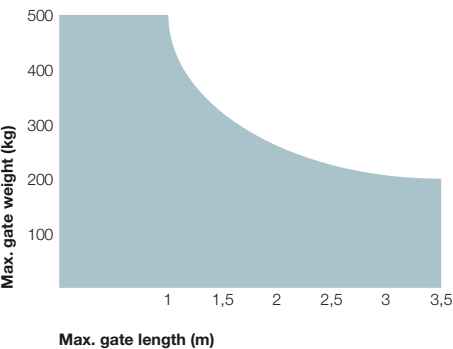
Technical specifications	
Code	WG5024
Electrical data	
Power supply (Vdc)	24
Absorption (A)	3.5
Power (W)	85
Built-in capacitor (µF)	-
Performance data	
Speed (m/s)	0.016
Force (N)	1500
Work cycle (cycles/hour)	30
Dimensional and general data	
Protection level (IP)	44
Working temp. (°C Min/Max)	-20 ÷ +50
Dimensions (mm)	920x98x95 h
Weight (kg)	18

Installation diagram



1. Wingo 2. Transmitter 3. Photocells mounted on posts 4. Photocells 5. Flashing light 6. Control unit
7. Digital or key switches 8. SYP* solar panel 9. PSY24* battery box.
*Optional connection to Solemyo system.

Utilisation limits



WL1024C

Integrated arm with
anti-shear protection
and mechanical
limit stop on closure



Built-in control unit
with provision
for battery housing

ON2

TS



The kit contains:

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

ON2 1 transmitter 433.92 MHz, 2 channels. **TS** 1 signboard.

Technical specifications

Code	WL1024C
Electrical data	
Power supply (Vac 50 Hz)	230
Power supply (Vdc)	-
Absorption (A)	0.8
Power (W)	120
Built-in capacitor (µF)	-
Performance data	
Speed (Rpm)	1.7 - 2.5
Torque (Nm)	100
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

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, Nice BlueBUS technology.

Compatible for operation with Solemyo and Opera systems.

Ultra compact: ideal for pedestrian gates, recommended for small posts (width 10 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).

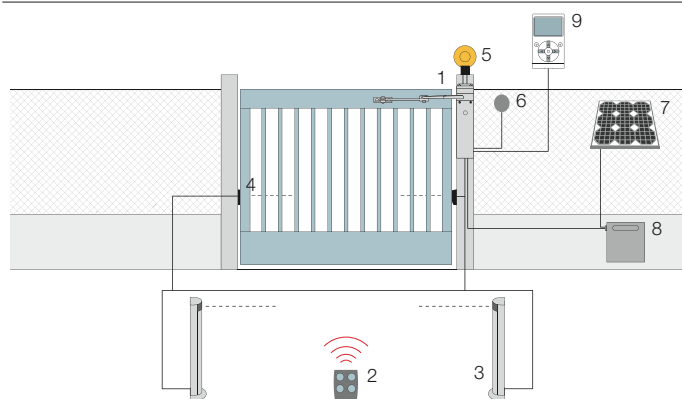
Convenient: incorporable flashing Led indicator, with courtesy light function (WLT, optional); rapid motor release for manual movement of the gate.

Control unit with BlueBUS technology:

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

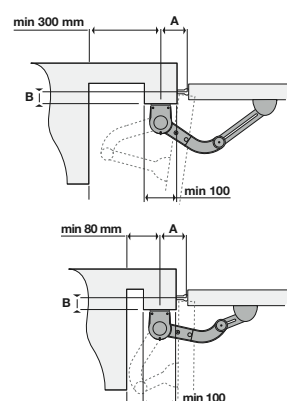
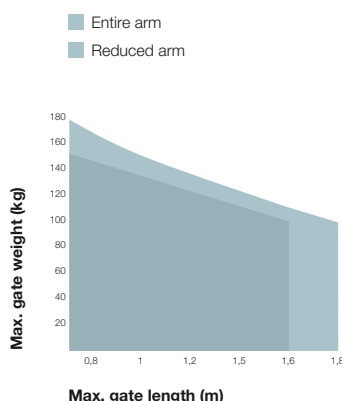
No black out: operation in the event of a power failure by means of optional batteries (PS424) housed inside the motor.

Installation diagram



1. Walky 2. Transmitter 3. Photocells mounted on posts 4. Photocells
5. Flashing light 6. Digital or key switches 7. SYP* solar panel 8. PSY24* battery box
9. O-View* multifunction display. *Optional connection to Solemyo and Opera systems.

Utilisation limits



WL1024C + WL1024

Incorporable flashing Led indicator with courtesy light function

Built-in control unit with provision for battery housing

Integrated arm with anti-shear protection and mechanical limit stop on closure



ON2MOFBMOSEWLTTS



The kit contains:

WL1024C + WL1024 2 electromechanical gear motors, surface mounted. WL1024C (with control unit and OXI plug-in receiver), WL1024 (without control unit). ON2 1 transmitter 433.92 MHz, 2 channels. MOFB 1 couple of external photocells designed for connection by Nice BlueBUS. MOSE 1 key selector switch for outdoor installation. WLT 1 flashing light. TS 1 signboard.

Technical specifications		
Code	WL1024C	WL1024
Electrical data		
Power supply (Vac 50 Hz)	230	-
Power supply (Vdc)	-	24
Absorption (A)	0.8	2
Power (W)	120	30
Built-in capacitor (μF)	-	
Performance data		
Speed (Rpm)	1.7 - 2.5	
Torque (Nm)	100	
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

For 2-leaf 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, Nice BlueBUS technology.

Compatible for operation with Solemyo and Opera systems.

Ultra compact: ideal for pedestrian gates, recommended for small posts (width 10 cm).

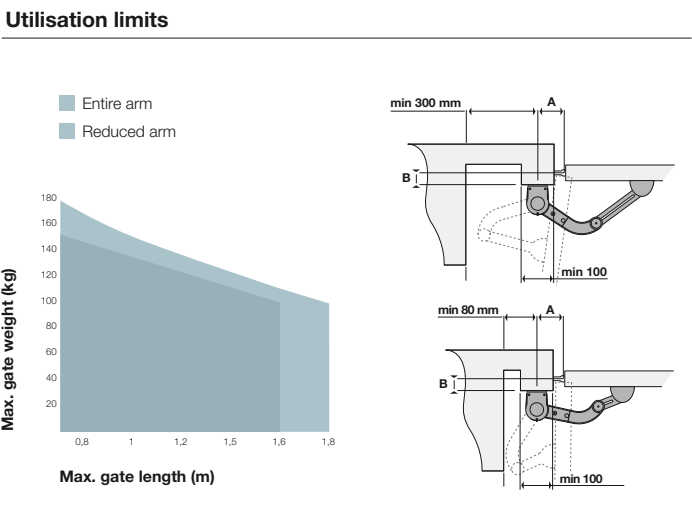
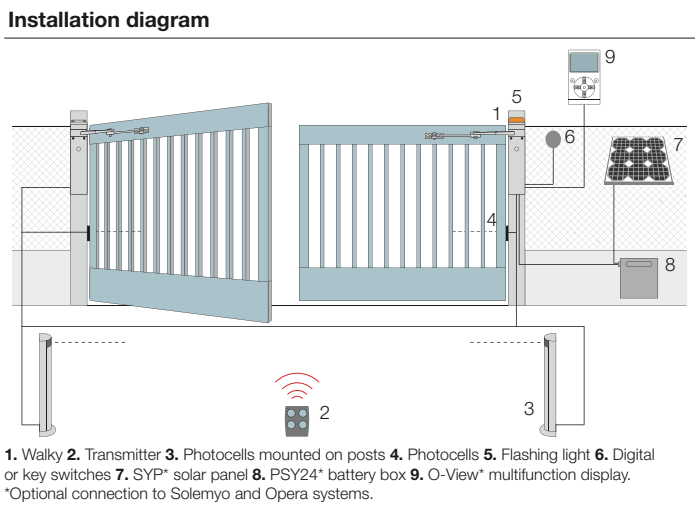
Safe: thanks to the irreversible motor and anti-shear arm with built-in mechanical stop on closure (with installation of entire arm).

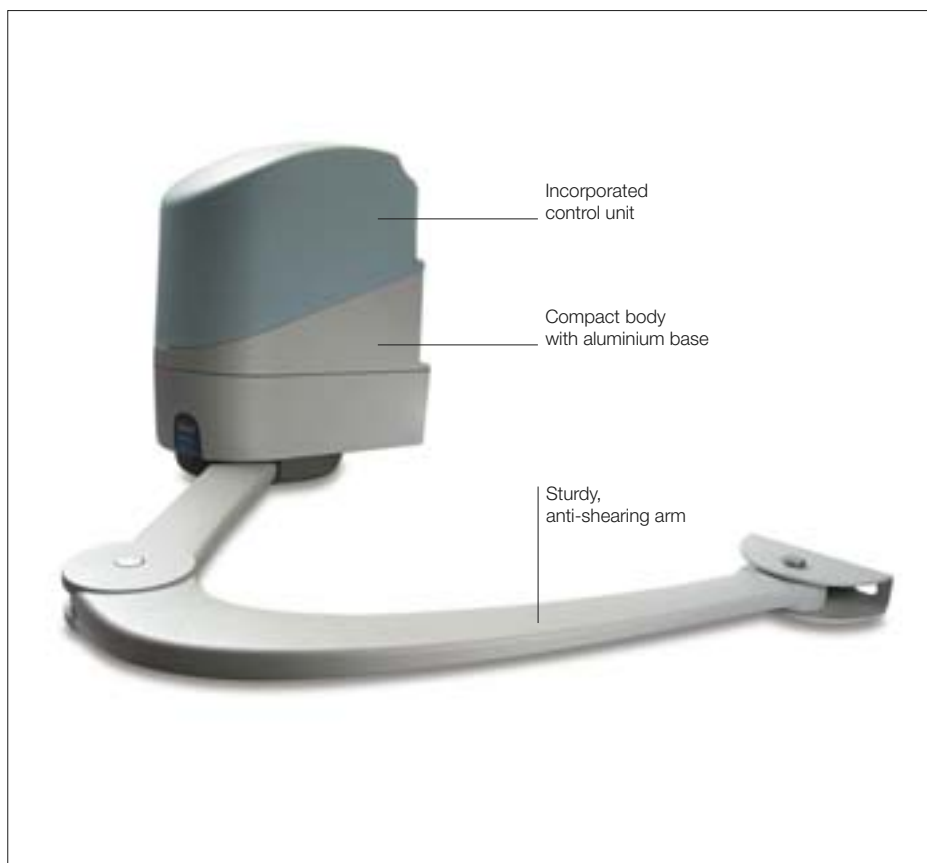
Practical: the articulated arm enables installation in specific conditions, such as in the presence of small walls or obstacles adjacent to the post.

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.

- Control unit with BlueBUS technology:**
- simple programming;
 - self-learning of opening and closing limit positions;
 - 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:** operation in the event of a power failure by means of optional batteries (PS424) housed inside the motor.





For swing gates with leaves max. 2 m, and those versions with large pillars and lightweight structures, ideal for one leaf pedestrian gates.

Electromechanical gear motor irreversible 24 Vdc with articulated arm, surface mounted.

Compatible for operation with Solemyo system.

Two irreversible 24 Vdc versions

complete with limit switch on opening either without control unit (PP7224) or with incorporated control unit (PP7024).

User-friendly: release with personalised Nice key designed for cord-type release.

Sophisticated electronics: slowdown, obstacle detection system, can be linked to the 8.2 KOhm resistive sensitive edge.

Easy to install: no welding.

Compact: 167 mm in width, ideal for any kind of post.

Always ready for use: continues to work even during power failures using optional (PS124) batteries that fit inside the motor.

Powerful: thanks to the 180 Nm torque.

Small shockproof body with aluminium base.

Perfect for intensive use:

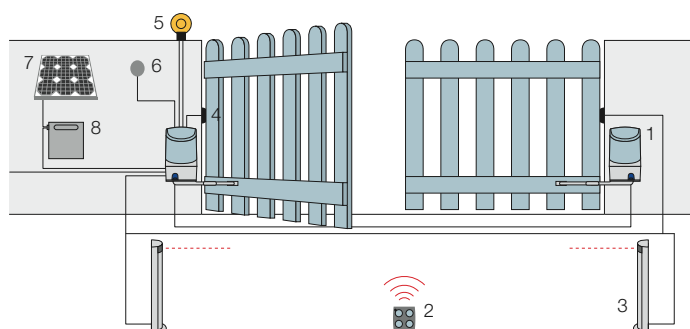
- easy programming by pressing a single button;
- clutch with anti-crush safety feature;
- automatic memorization of limit switches on opening and closing with self-learning function;
- programming of pause time;
- pedestrian pass door;
- deceleration on opening and closing.

Technical specifications

Code	PP7024	PP7224*
Electrical data		
Power supply (Vac 50 Hz)	230	-
Power supply (Vdc)	-	24
Absorption (A)	1	3
Power (W)	75	
Built-in capacitor (µF)	-	
Performance data		
Speed (Rpm)	1.68	
Torque (Nm)	180	
Work cycle (cycles/hour)	80	
Dimensional and general data		
Protection level (IP)	44	
Working temp. (°C Min/Max)	-20 ÷ +50	
Dimensions (mm)	167x254x315 h	
Weight (kg)	10	

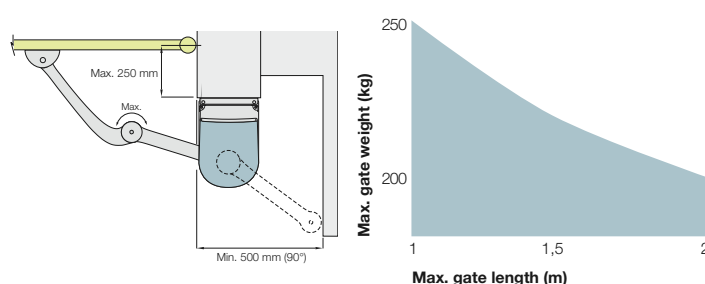
* Version without control unit.

Installation diagram



1. Pop 2. Transmitter 3. Photocells mounted on posts 4. Photocells 5. Flashing light 6. Digital or key switches 7. SYP* solar panel 8. PSY24* battery box.
*Optional connection to Solemyo system.

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.

P7024 + PP7224



ON2



MOF



ML24T



The kit contains:

PP7024 + PP7224 2 surface-mounted electromechanical gear motors, PP7024 (with incorporated control unit and OXI plug-in receiver), PP7224 (without control unit). **ON2** 1 transmitter 433.92 MHz, 2 channels. **MOF** 1 pair of photocells for outdoor installation. **ML24T** 1 flashing light with integrated aerial.

For swing gates with leaves up to 2 m, also with large posts and lightweight structures.

Compatible for operation with Solemyo system.

Sophisticated electronics: slowdown, obstacle detection system, can be linked to the 8.2 KOhm resistive sensitive edge.

User-friendly: release with personalised key designed.

Sturdy, aluminium, anti-shearing arm.

Powerful: thanks to the 180 Nm torque.

Always ready for use: continues to work even during power failures using optional (PS124) batteries that fit inside the motor.

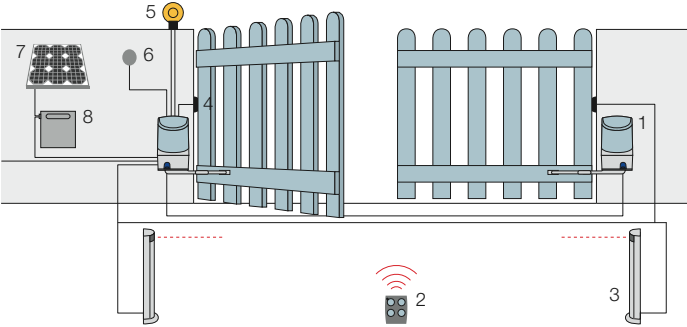
Exclusive functions: photo-test, programmable input for functions such as open, close, photo2, open pedestrian and open partially.

Small shockproof body with aluminium base.

Technical specifications		
Code	PP7024	PP7224*
Electrical data		
Power supply (Vac 50 Hz)	230	-
Power supply (Vdc)	-	24
Absorption (A)	1	3
Power (W)	75	
Built-in capacitor (µF)	-	
Performance data		
Speed (Rpm)	1.68	
Torque (Nm)	180	
Work cycle (cycles/hour)	80	
Dimensional and general data		
Protection level (IP)	44	
Working temp. (°C Min/Max)	-20 ÷ +50	
Dimensions (mm)	167x254x315 h	
Weight (kg)	10	

* Version without control unit.

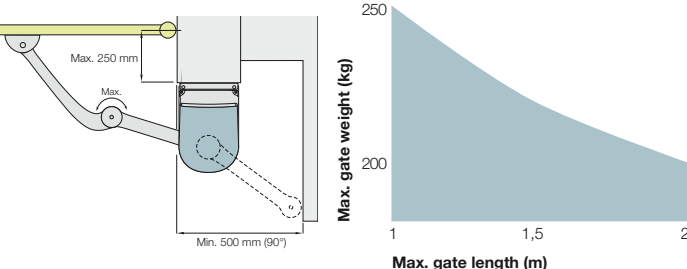
Installation diagram



1. Pop 2. Transmitter 3. Photocells mounted on posts 4. Photocells 5. Flashing light 6. Digital or key switches 7. SYP* solar panel 8. PSY24* battery box.

*Optional connection to Solemyo system.

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.



For swing gates with leaves up to 3 m, also with large pillars.

Electromechanical gear motor, surface mounted, also in 24 Vdc version with magnetic encoder, with articulated arm.

Single model for right and left leaves. Two irreversible versions, with 230 Vac (HY7005) and 24 Vdc (HY7024) power supplies with magnetic encoder.

Fewer connections mean **quicker installation**.

Pre-wired, incorporated double limit-switch both during opening and closing (HY7005).

Easy to install: nothing welded to the gates.

Long-lasting: solid metal mechanics.

Compact: shockproof bodywork with no sharp corners.

Recommended control units: Mindy A3, A3F, A6, A6F, A60, A700F; for HY7024 Moonclever MC824H.

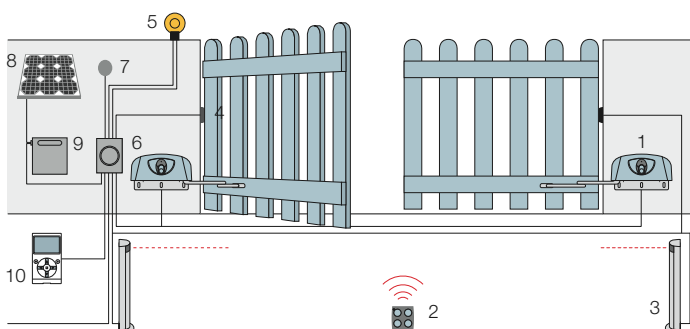
24 Vdc version with magnetic encoder. Perfect for intensive use, compatible with the control unit Moonclever MC824H, equipped with BlueBUS, and provision for operation with the systems Solemyo and Opera:

- simple programming, by means of a single key;
- self-learning of opening and closing limit positions;
- 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.

Technical specifications

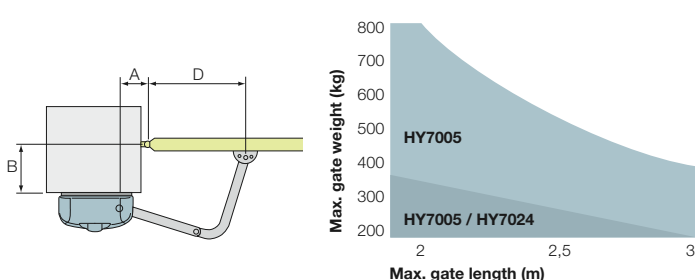
Code	HY7024	HY7005
Electrical data		
Power supply (Vac 50 Hz)	-	230
Power supply (Vdc)	24	-
Absorption (A)	5	1.2
Power (W)	120	250
Built-in capacitor (µF)	-	10
Performance data		
Speed (Rpm)	2	1.7
Torque (Nm)	250	400
Work cycle (%)	80	30
Dimensional and general data		
Protection level (IP)	43	
Working temp. (°C Min/Max)	-20 ÷ +50	
Dimensions (mm)	350x165x242 h	
Weight (kg)	13	

Installation diagram



1. Hyppo 2. Transmitter 3. Photocells mounted on posts 4. Photocells
5. Flashing light 6. Control unit 7. Digital or key switches 8. SYP* solar panel
9. PSY24* battery box 10. O-View* multifunction display.
*Optional connection to Solemyo and Opera systems.

Utilisation limits



	Standard	HYA12
A max	150	400
B max	350	450
D max	450	800

N.B. The above values are valid if the motor is used with standard accessories. 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.

XME2024



ON2

MC424

MOF

MOSE

ML24T

TS

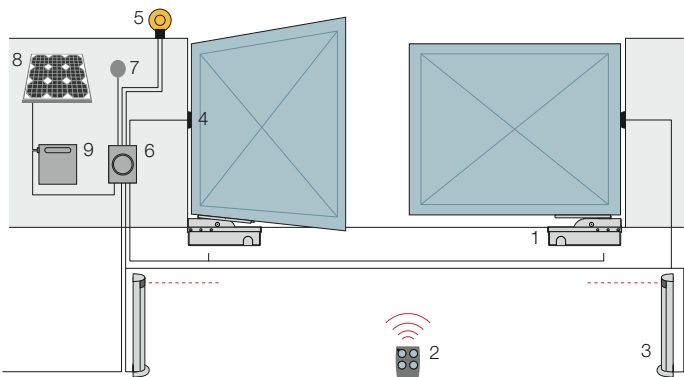
The kit contains:

XME2024 2 gear motors. **XMBOX** 2 foundation boxes. **ON2** 1 transmitter 433.92 MHz, 2 channels. **MC424** 1 control unit with OXI plug-in receiver. **MOF** 1 pair of photocells for outdoor installation. **MOSE** 1 key selector switch for outdoor installation. **ML24T** 1 flashing light with integrated aerial. **TS** 1 signboard.

Technical specifications

Code	XME2024
Electrical data	
Power supply (Vdc)	24
Absorption (A)	5
Power (W)	120
Built-in capacitor (µF)	-
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)	230x206x88 h
Weight (kg)	15

Installation diagram



1. X-Metro 2. Transmitter 3. Photocells mounted on posts 4. Photocells 5. Flashing light 6. Control unit 7. Digital or key switches 8. SYP* solar panel 9. PSY24* battery box.

*Optional connection to Solemyo system.

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

New irreversible electromechanical 24 Vdc gear motor.

Compatible for operation with Solemyo system.

Tough 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. All this in a protrusion of just 52 mm from the ground.

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

Mechanical limit switches adjustable on opening and closing.

Standard opening up to 180° with no accessory.

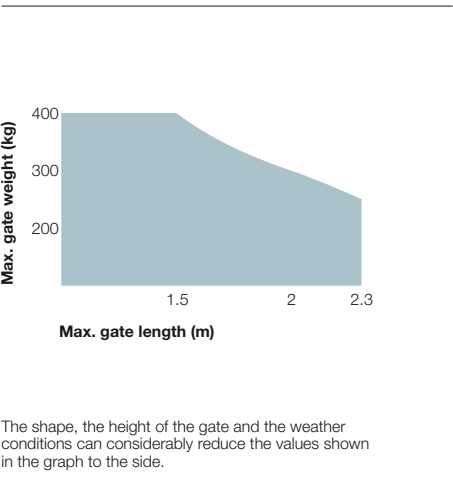
Reliable and sturdy: the gear motor, in IP67 pressure die cast aluminium, suspended inside the housing to enable drainage of any deposits, ensures optimal water resistance.

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

New Moonclever control unit MC424:

- easy programming by pressing a single button;
- clutch with anti-crush safety feature;
- automatic memorization 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;
- provision for connection of latest generation resistive sensitive edges;
- continues to work even during power failures using optional (PS124) batteries that fit inside the control unit.

Utilisation limits



XME2124

ON2

MC824H

MOFB

MOSE

MLBT

TS

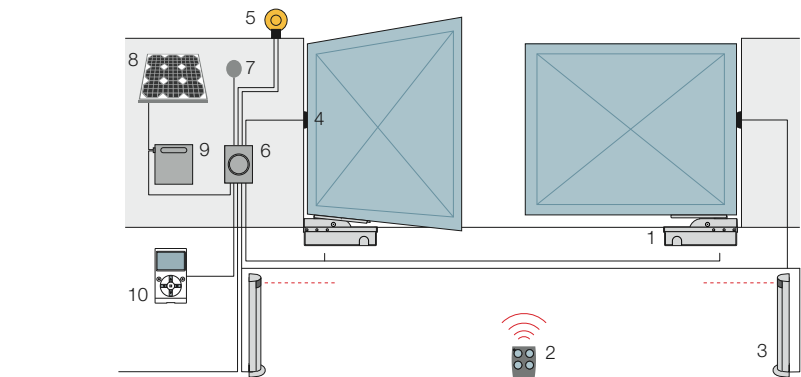
The kit contains:

XME2124 2 gear motors. **XMBOX** 2 foundation boxes. **ON2** 1 transmitter 433.92 MHz, 2 channels. **MC824H** 1 control unit with OXI plug-in receiver. **MOFB** 1 couple of external photocells designed for connection by Nice BlueBUS. **MOSE** 1 key selector switch for outdoor installation. **MLBT** 1 flashing light with integrated aerial. **TS** 1 signboard.

Technical specifications

Code	XME2124
Electrical data	
Power supply (Vdc)	24
Absorption (A)	5
Power (W)	120
Built-in capacitor (µF)	-
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)	230x206x88 h
Weight (kg)	15

Installation diagram



1. X-Metro 2. Transmitter 3. Photocells mounted on posts 4. Photocells 5. Flashing light 6. Control unit 7. Digital or key switches 8. SYP* solar panel 9. PSY24* battery box 10. O-View* multifunction display. *Optional connection to Solemyo and Opera systems.

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

New irreversible electromechanical gear motor 24 Vdc with magnetic encoder.

Compatible for operation with Solemyo and Opera systems.

Tough 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. All this in a protrusion of just 52 mm from the ground.

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

Mechanical limit switches adjustable on opening and closing.

Standard opening up to 180° with no accessory.

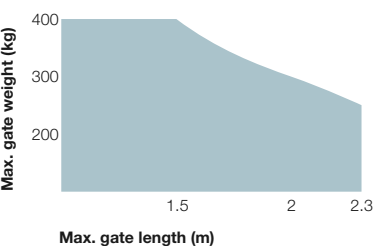
Reliable and sturdy: the gear motor, in IP67 pressure die cast aluminium, suspended inside the housing to enable drainage of any deposits, ensures optimal water resistance.

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

Control unit Moonclever MC824H, with BlueBUS technology:

- simple programming, by means of a single key;
- self-learning of opening and closing limit positions;
- 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.

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.



For swing gates with leaves up to 3.5 m, underground installation.
Irreversible electromechanical gear motor, also available in 24 Vdc versions with magnetic encoder.

An even more evolved range: 4 types of electromechanical gear motors irreversible, **Metroplex**, also available in 24 Vdc version with magnetic encoder.
Metro Box, 2 new foundation boxes externally chamfered, with mechanical stop on opening: **in STAINLESS STEEL** (MECX), ideal for use in extreme conditions, and with the new **cataphoresis paint finish** (MECF), highly resistant to corrosion.

Reliable and resistant: motors made up of solid internal parts in metal and bronze alloy. 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 to use: mechanical stop system on closure. Standard opening max. 110°, optional opening 360°.

Totally compatible with the previous Metro series.

Recommended control units: Mindy A3, A3F, A6, A6F, A60, A700F; for ME3024 Moonclever MC824H.

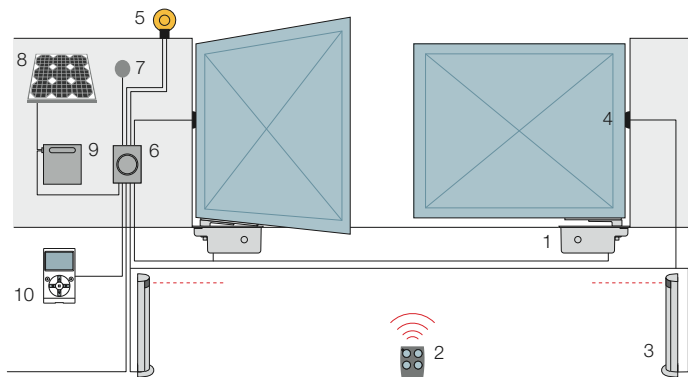
24 Vdc version with magnetic encoder. Perfect for intensive use, compatible with the control unit Moonclever MC824H, equipped with BlueBUS, and provision for operation with the systems Solemyo and Opera:

- simple programming, by means of a single key;
- self-learning of opening and closing limit positions;
- 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.

Technical specifications

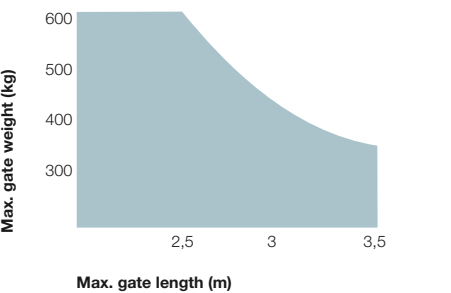
Code	ME3024	ME3000	ME3000L	ME3010
Electrical data				
Power supply (Vac 50 Hz)	-	230		
Power supply (Vdc)	24	-		
Absorption (A)	5	1.2	1.3	1.4
Power (W)	120	250	300	290
Built-in capacitor (µF)	-	10		12
Performance data				
Speed (Rpm)	1.4	1.14	0.8	1.14
Torque (Nm)	250	300	250	300
Work cycle (%)	80	30		40
Dimensional and general data				
Protection level (IP)	67			
Working temp. (°C Min/Max)	-20 ÷ +50			
Dimensions (mm)	390x322x194.5 h			
Weight (kg)	11			11.5

Installation diagram



1. Metroplex 2. Transmitter 3. Photocells mounted on posts 4. Photocells 5. Flashing light 6. Control unit 7. Digital or key switches 8. SYP solar panel 9. PSY24 battery box 10. O-View multifunction display.
*Optional connection to Solemyo and Opera systems.

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.

Nice To complete your automation:



Accessories for Toona

Toona 4*

Code	Description	Pc/Pack
PLA6	Rear bracket 250 mm long	1
PLA14	Screw-adjustable rear bracket	2
PLA15	Screw-adjustable front bracket	2
PLA10	Vertical 12 V electric lock (required for gates longer than 3 m)	1
PLA11	Horizontal 12 V electric lock (required for gates longer than 3 m)	1
PLA13	Mechanical travel stops for closing and opening manoeuvres	4
TS	Signboard	1

* Total interchangeability with the series Moby: identical positions and fixing brackets

Toona 5*

Code	Description	Pc/Pack
PLA6	Rear bracket 250 mm long	1
PLA8	Screw-adjustable front bracket	1
PLA10	Vertical 12 V electric lock (required for gates longer than 3 m)	1
PLA11	Horizontal 12 V electric lock (required for gates longer than 3 m)	1
PLA13	Mechanical travel stops for closing and opening manoeuvres	4
TS	Signboard	1

* Total interchangeability with the series Moby: identical positions and fixing brackets

Toona 7

Code	Description	Pc/Pack
PLA10	Vertical 12 V electric lock (required for gates longer than 3 m)	1
PLA11	Horizontal 12 V electric lock (required for gates longer than 3 m)	1
TS	Signboard	1

ToonaKit

Code	Description	Pc/Pack
PLA6	Rear bracket 250 mm long	1
PLA14	Screw-adjustable rear bracket	2
PLA15	Screw-adjustable front bracket	2
PLA10	Vertical 12 V electric lock (required for gates longer than 3 m)	1
PLA11	Horizontal 12 V electric lock (required for gates longer than 3 m)	1
PLA13	Mechanical travel stops for closing and opening manoeuvres	4

For 24 V versions

Code	Description	Pc/Pack
PS324	24 V battery with integrated battery charger	1



Accessories for Wingo

WingoKit

Code	Description	Pc/Pack
PLA14	Screw-adjustable rear bracket	2
PLA15	Screw-adjustable front bracket	2
CM-B	Pawl with two metal release keys	
PLA13	Mechanical travel stops for closing and opening manoeuvres	4

WingoKit 4024

Code	Description	Pc/Pack
PS124	24 V battery with integrated battery charger	1
PLA14	Screw-adjustable rear bracket	2
PLA15	Screw-adjustable front bracket	2
CM-B	Pawl with two metal release keys	
PLA10	Vertical 12 V electric lock (required for gates longer than 3 m)	1
PLA11	Horizontal 12 V electric lock (required for gates longer than 3 m)	1
PLA13	Mechanical travel stops for closing and opening manoeuvres	4

Wingo5Kit

Code	Description	Pc/Pack
PLA6	Rear bracket 250 mm long	1
PLA8	Screw-adjustable front bracket	1
CM-B	Pawl with two metal release keys	
PLA10	Vertical 12 V electric lock (required for gates longer than 3 m)	1
PLA11	Horizontal 12 V electric lock (required for gates longer than 3 m)	1
PLA13	Mechanical travel stops for closing and opening manoeuvres	4

WingoKit 5024

Code	Description	Pc/Pack
PS124	24 V battery with integrated battery charger	1
PLA6	Rear bracket 250 mm long	1
PLA8	Screw-adjustable front bracket	1
CM-B	Pawl with two metal release keys	
PLA10	Vertical 12 V electric lock (required for gates longer than 3 m)	1
PLA11	Horizontal 12 V electric lock (required for gates longer than 3 m)	1
PLA13	Mechanical travel stops for closing and opening manoeuvres	4

Nice To complete your automation:



Accessories for Walky

WalkyKit 1024

Code	Description	Pc/Pack
WLA1	Spare control unit, for WL1024C	
PS424	Buffer battery	1
PLA10	Vertical 12 V electric lock (required for gates longer than 3 m)	1
PLA11	Horizontal 12 V electric lock (required for gates longer than 3 m)	1

WalkyKit 2024

Code	Description	Pc/Pack
WLA1	Spare control unit, for WL1024C	
PS424	Buffer battery	1
PLA10	Vertical 12 V electric lock (required for gates longer than 3 m)	1
PLA11	Horizontal 12 V electric lock (required for gates longer than 3 m)	1



Accessories for Pop

Pop

Code	Description	Pc/Pack
POA1	Spare control unit for PP7024	
PS124	24 V battery with integrated battery charger	1
PLA10	Vertical 12 V electric lock (required for gates longer than 3 m)	1
PLA11	Horizontal 12 V electric lock (required for gates longer than 3 m)	1
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
TS	Signboard	1

PopKit

Code	Description	Pc/Pack
POA1	Spare control unit for PP7024	
PS124	24 V battery with integrated battery charger	1
PLA10	Vertical 12 V electric lock (required for gates longer than 3 m)	1
PLA11	Horizontal 12 V electric lock (required for gates longer than 3 m)	1
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
TS	Signboard	1



Accessories for Hypo 7000

Code	Description	Pc/Pack
HYA12	Longer articulated arm (see the layout)	1
PLA10	Vertical 12 V electric lock (required for gates longer than 3 m)	1
PLA11	Horizontal 12 V electric lock (required for gates longer than 3 m)	1
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
TS	Signboard	1

For 24 V versions

Code	Description	Pc/Pack
PS324	24 V battery with integrated battery charger	1



Accessories for X-Metro

X-MetroKit 2024

Code	Description	Pc/Pack
PS124	24 V battery with integrated battery charger	1
PLA10	Vertical 12 V electric lock (required for gates longer than 3 m)	1
PLA11	Horizontal 12 V electric lock (required for gates longer than 3 m)	1

X-MetroKit 2124

Code	Description	Pc/Pack
PS324	24 V battery with integrated battery charger	1
PLA10	Vertical 12 V electric lock (required for gates longer than 3 m)	1
PLA11	Horizontal 12 V electric lock (required for gates longer than 3 m)	1



Accessories for Metroplex

Code	Description	Pc/Pack
MEA2	Key unlock system	1
MEA3	Lever-type key unlock system to use when system is installed on surfaces such as sand or earth	1
MEA5	Lever-type unlock key for MEA3	4
MEA6	Limit switch bracket, for installations where box embedding in concrete is not possible	1
MEA1	Accessory for opening up to 360° for gates max. 2.5 m in length	1
PLA10	Vertical 12 V electric lock (required for gates longer than 3 m)	1
PLA11	Horizontal 12 V electric lock (required for gates longer than 3 m)	1
TS	Signboard	1

For 24 V versions

Code	Description	Pc/Pack
PS324	24 V battery with integrated battery charger	1

Nice control electronics

With just a click!

Small, slim and coloured, ideal to carry in your pocket, bag or use as stylish key rings, or table-top or wall-mounted, for control the entire home at your fingertips!



NiceWay: many solutions, just one gesture.



Table shockproof holder.



Wall or table shockproof holder.



Squared wall plate.



Rectangular wall plate.



Module holder cover.

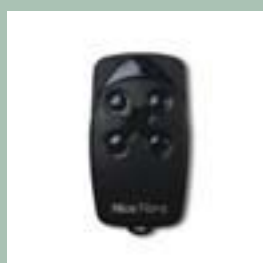
Transmitters



One
433.92 MHz and 868.46 MHz transmitters, with management of Identity Codes and Certificates. Compatible with Opera System. 1, 2, 4 and 9 channel versions.



FloR
Radio-control 433.92 MHz rolling code system with self-learning function. 1, 2 and 4 channels versions.



Very
Miniaturised radio control 433.92 MHz rolling code system with self-learning function or programmable code.



Smilo
Radio-controls 433.92 MHz rolling code system with self-learning function. 2 and 4 channel versions.

Tag system



Disappearing inside standard wall mounted plates and suitable to confined spaces, are ideal for restorations and upgrades of existing systems to control home automations, lighting points and all loads up to 500 W not directly accessible from cable controls.

All without the need to replace the existing system or involve building work!

Nice control electronics

Control units



Moonclever and Mindy

Range of Nice control units: all kinds of models for all kinds of automations, from the simplest to the most sophisticated, which offer exclusive, fully-developed functions by means of magnetic encoders.

New Moonclever **MC824H**, the innovative control unit with magnetic encoder for motors 24 Vdc, equipped with BlueBUS technology and designed for operation with the systems Solemyo and Opera.

Accessories



Moon

Range of digital and key switches, proximity sensor reader for transponder card and synchronised photocells with a 10° receiving angle, also available in a 30° version adjustable, with BlueBUS technology.



F210

Synchronised photocells adjustable at 210° horizontally, with relay output or BlueBUS technology.



FT210

Optical device adjustable at 210° horizontally and 30° vertically. With relay output or BlueBUS technology.



Moonlight and Wallyght

Modular flashing signal light and multi-function Led indicator.

System Opera



Nice Opera simplifies the installer's work, making for easier programming, and enabling access to all control panel parameters to adapt the system to all requirements. No specific procedures needed for each product: single programming mode with intuitive menus, with no need to consult instructions. Thanks to the GSM module, diagnostics can be performed remotely and the automation can be monitored constantly avoiding costly inspections on site with significant savings in time.

The BUS T4 technology enables the creation of a network of devices, connecting compatible control units between them, and centralising control via O-View. By interfacing the system with the PC, you can control a complex automation system such as those found in densely frequented buildings (hospitals, hotels, companies, etc.).

Management of the One series transmitters, even in large numbers, **is now fast and simple** with the option for remote control, and the creation of a database thanks to the software supplied.



One
Transmitters
and receivers



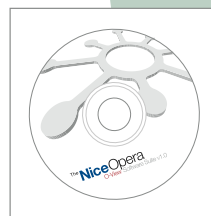
O-View
Multifunction
display



O-Box
Connection interface



OX4T
Universal
receiver



**O-View_O-Box
Software Suite**
Communication
software for PC
and PDA



Certified quality.

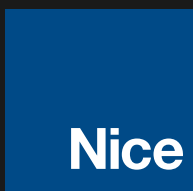
Safety, quality, reliability and durability are priorities for Nice. All Nice Products in fact comply with the provisions of the **European Directives** governing construction.

Service

Dealers who offer Nice products to their customers believe in the value of quality; providing service that satisfies all the needs and wishes of customers, before and after sales, is a duty. Contact a Nice specialist with complete trust!



Nice cares for the environment.
Using natural paper it avoids excessive use of raw materials and forest exploitation.
Waste is reduced, energy is saved and climate quality is improved.



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