

# TOONA 4

SOLEMYO OPERA BLUEBUS 24V 230V

## 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.

**Reliable:** 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.

**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; for T04024 Moonclever MC824H.

**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;
- 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.

CODE	DESCRIPTION	PACK/PALLET
<b>T04024</b>	IRREVERSIBLE, 24 Vdc, WITH MAGNETIC ENCODER, MECHANICAL STOP ON OPENING	20
<b>T04005</b>	IRREVERSIBLE, 230 Vac, INCREASED SPEED, WITH LIMIT SWITCH ON OPENING	20
<b>T04006</b>	IRREVERSIBLE, 230 Vac, INCREASED SPEED, WITH LIMIT SWITCH ON OPENING AND CLOSING	20
<b>T04015</b>	IRREVERSIBLE, 230 Vac, CRUISING SPEED, WITH LIMIT SWITCH ON OPENING	20
<b>T04605</b>	REVERSIBLE, 230 Vac, INCREASED SPEED, WITH LIMIT SWITCH ON OPENING	20

## TECHNICAL SPECIFICATIONS

CODE	T04024	T04005	T04006	T04015	T04605
<b>ELECTRICAL DATA</b>					
POWER SUPPLY (Vac 50 Hz)*	-	230			
POWER SUPPLY (Vdc)	24	-			
ABSORPTION (A)	5	1.5		1.3	
POWER (W)	120	340		300	
<b>PERFORMANCE DATA</b>					
SPEED (m/s)	0.016		0.013		0.016
FORCE (N)	1800				
WORK CYCLE (CYCLES/HOUR)	95**	58		54	50
<b>DIMENSIONAL AND GENERAL DATA</b>					
PROTECTION LEVEL (IP)	44				
WORKING TEMP. (°C MIN/MAX)	-20 ÷ +50				
DIMENSIONS (mm)	820x115x105 h				
WEIGHT (kg)	6				

\*60 Hz version available on request.

\*\* With optimal installation.

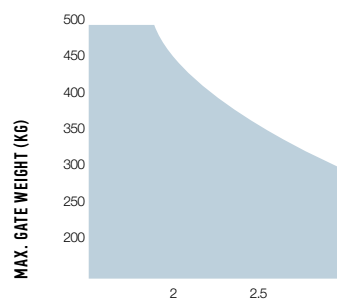
EASY ACCESS TO INTERNAL PARTS IN UPPER SECTION OF MOTOR

RELEASE HANDLE IN DIE-CAST ALUMINIUM, PRACTICAL AND RESISTANT

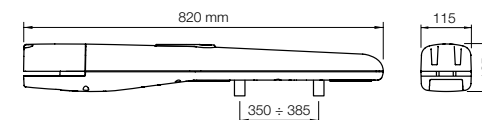
EXCLUSIVE PATENTED LAYOUT OF INTERNAL PARTS



## UTILISATION LIMITS



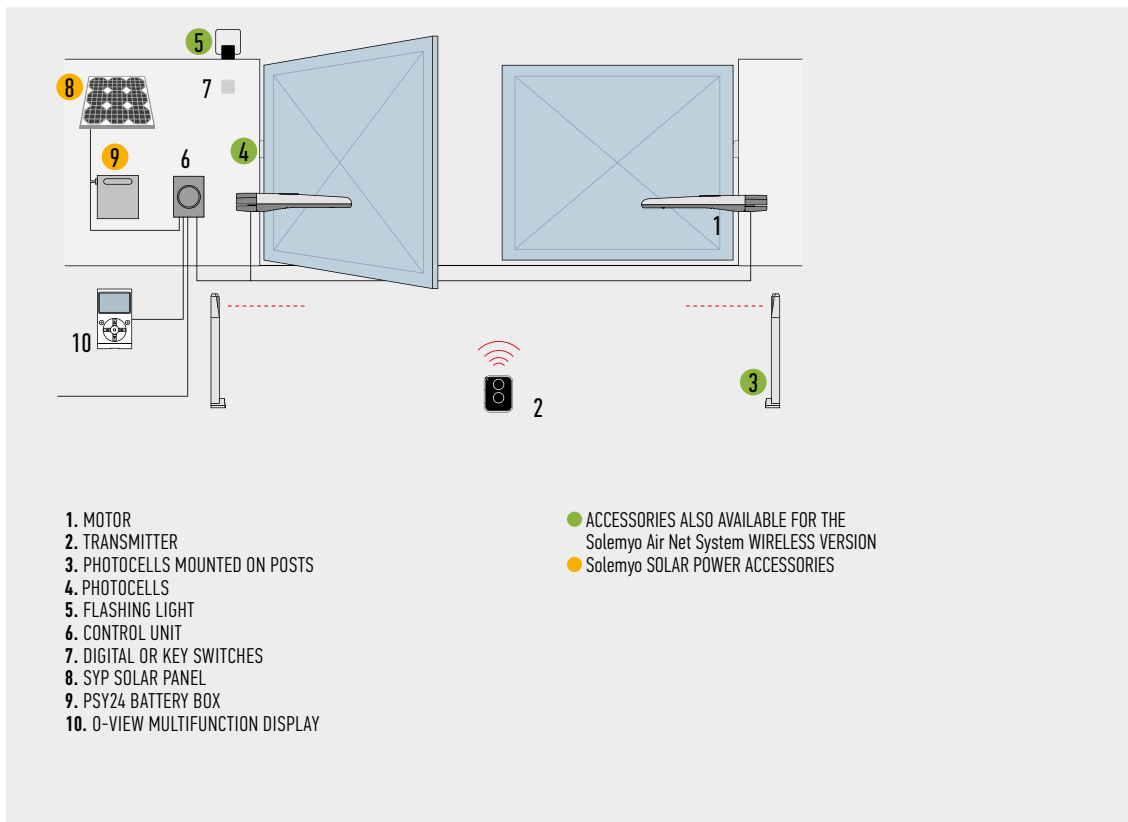
## DIMENSIONS



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

## INSTALLATION DIAGRAM



## COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

CODE	CONTROL UNIT / RECEIVER										TRANSMITTER				PHOTOCELLS							FLASHING LIGHT							
	A01 / Built-in*	A02 / Built-in*	A6F / FLOX12R*	A700F / FLOX12R*	A60 / OX1-SMX1*	A500 / FLOX12R*	A924 / FLOX12R*	MC424L / OXI	MC824H / OXI	MC824HR / OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	F210	FT210	F210B	FT210B	EL	EL24	ELB	WLT	
<b>T04024</b>										●	●	●	●	●	●	●	●	●	●										
<b>T04005</b>			●	●	●					●	●	●	●	●	●	●	●	●	●		●	●			●				
<b>T04006</b>			●	●	●					●	●	●	●	●	●	●	●	●	●		●	●			●				
<b>T04015</b>			●	●	●					●	●	●	●	●	●	●	●	●	●		●	●			●				
<b>T04605</b>			●	●	●					●	●	●	●	●	●	●	●	●	●		●	●			●				

\*Radio receiver incompatible with Opera system

## ACCESSORIES

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

**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 (REQUIRED FOR GATES  
LONGER THAN 3 m).  
PC/PACK 1

**ACCESSORY**  
For 24 Vdc version

**PLA11**  
HORIZONTAL 12 V ELECTRIC  
LOCK (REQUIRED FOR GATES  
LONGER THAN 3 m).  
PC/PACK 1

**PLA13**  
MECHANICAL TRAVEL STOPS  
FOR CLOSING OR OPENING  
MANOEUVRES.  
PC/PACK 4

**TS**  
SIGNBOARD.  
PC/PACK 1

**PS324**  
24 V BATTERY  
WITH INTEGRATED  
BATTERY CHARGER.  
PC/PACK 1



**KIT SOLEMYO**  
THE SOLAR POWER TO  
AUTOMATE GATES, GARAGE  
DOORS OR BARRIER GATES.  
SEE PAGE 200

FOR SWING GATES

FOR SLIDING GATES

BARRIER GATE  
OPERATOR SYSTEMS

FOR GARAGE  
AND INDUSTRIAL DOORS

CONTROL SYSTEMS  
AND ACCESSORIES

COMPATIBILITY TABLE  
AND ALPHABETICAL INDEX

# TOONA 5

SOLEMYO OPERA BLUEBUS 24V 230V

## 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.

**Reliable:** 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.

**T05024I** 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;  
for T05024 and T05024I Moonclever MC824H.

**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;
- 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.

CODE	DESCRIPTION	PACK/PALLET
<b>T05024</b>	IRREVERSIBLE, 24 Vdc, WITH MAGNETIC ENCODER, MECHANICAL STOP ON OPENING	20
<b>T05024I</b>	IRREVERSIBLE, 24 Vdc, WITH MAGNETIC ENCODER, MECHANICAL STOP ON OPENING; FOR INTENSIVE USE	20
<b>T05015</b>	IRREVERSIBLE, 230 Vac, CRUISING SPEED, WITH LIMIT SWITCH ON OPENING	20
<b>T05016</b>	IRREVERSIBLE, 230 Vac, CRUISING SPEED, WITH LIMIT SWITCH ON OPENING AND CLOSING	20
<b>T05605</b>	REVERSIBLE, 230 Vac, INCREASED SPEED, WITH LIMIT SWITCH ON OPENING	20

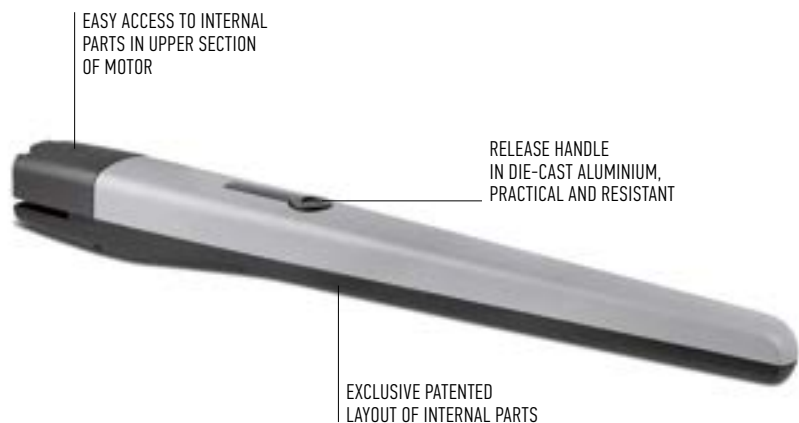
## TECHNICAL SPECIFICATIONS

CODE	T05024	T05024I	T05015	T05016	T05605
<b>ELECTRICAL DATA</b>					
POWER SUPPLY (Vac 50 Hz)*	-		230		
POWER SUPPLY (Vdc)	24		-		
ABSORPTION (A)	5		1.5		1.3
POWER (W)	120		340		300
<b>PERFORMANCE DATA</b>					
SPEED (m/s)	0.016		0.013		0.016
FORCE (N)	1800		2200		1800
WORK CYCLE (CYCLES/HOUR)	95**		75***		54
<b>DIMENSIONAL AND GENERAL DATA</b>					
PROTECTION LEVEL (IP)	44				
WORKING TEMP. (°C MIN/MAX)	-20 ÷ +50				
DIMENSIONS (mm)	965x115x105 h				
WEIGHT (kg)	7				

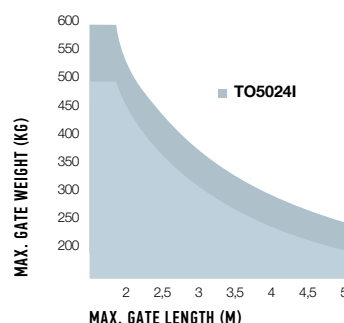
\*60 Hz version available on request.

\*\* With optimal installation.

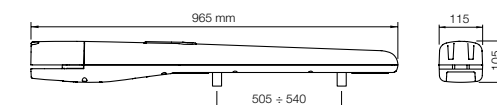
\*\*\* The reduction in number of manoeuvres with respect to the version T05024 depends solely on the lower manoeuvre speed.



## UTILISATION LIMITS

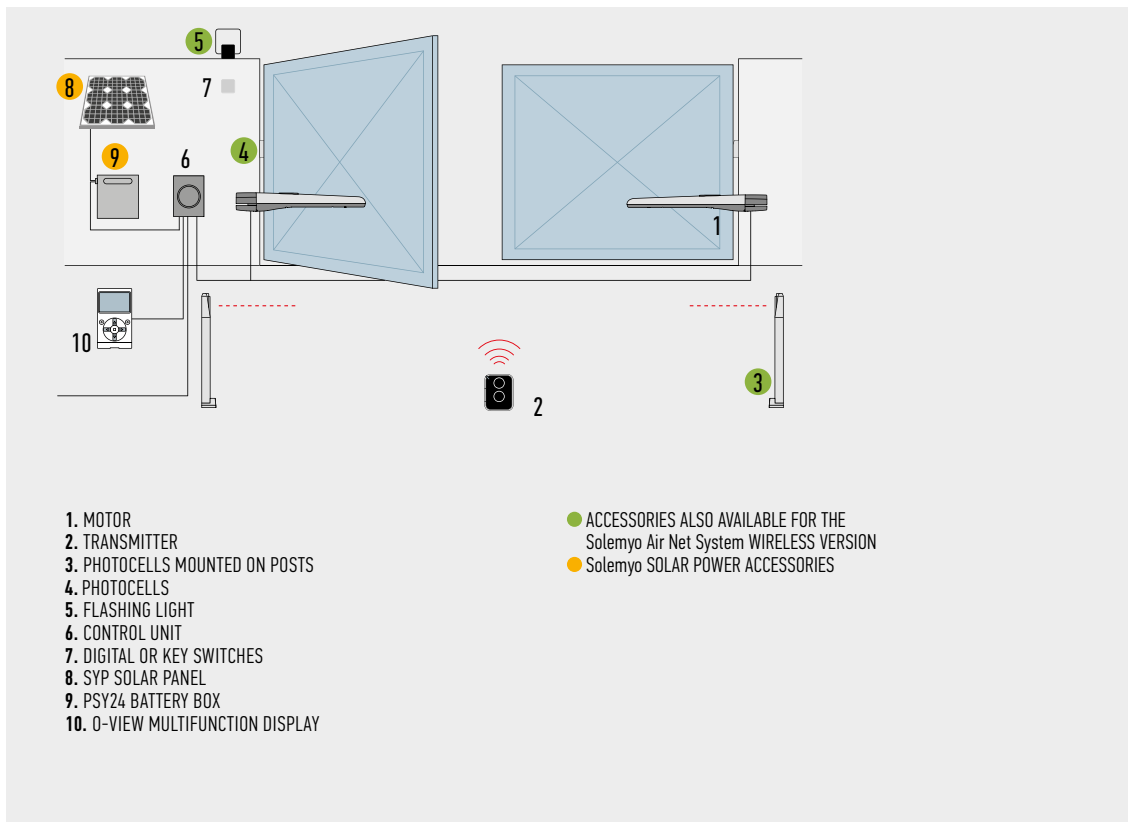


## DIMENSIONS



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.

## INSTALLATION DIAGRAM



## COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

CODE	CONTROL UNIT / RECEIVER										TRANSMITTER				PHOTOCELLS							FLASHING LIGHT						
	A01 / Built-in*	A02 / Built-in*	A6F / FLOX12R*	A700F / FLOX12R*	A60 / OXI-SMX1*	A500 / FLOX12R*	A924 / FLOX12R*	MC424L / OXI	MC824H / OXI	MC824HR / OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	F210	FT210	F210B	FT210B	EL	EL24	ELB	WLT
T05024								●		●	●	●	●				●	●	●								●	●
T05024I								●		●	●	●	●				●	●	●				●				●	●
T05015			●	●	●					●	●	●	●								●	●			●			
T05016			●	●	●					●	●	●	●								●	●			●			
T05605			●	●	●					●	●	●	●								●	●			●			

\*Radio receiver incompatible with Opera system

## ACCESSORIES

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



**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

**ACCESSORY**  
For 24 Vdc version



**PLA13**  
MECHANICAL TRAVEL STOPS  
FOR CLOSING AND OPENING  
MANOEUVRES.  
PC/PACK 4



**TS**  
SIGNBOARD.  
PC/PACK 1



**PS324**  
24 V BATTERY  
WITH INTEGRATED  
BATTERY CHARGER.  
PC/PACK 1



**KIT SOLEMYO**  
THE SOLAR POWER TO  
AUTOMATE GATES, GARAGE  
DOORS OR BARRIER GATES.  
SEE PAGE 200

# TOONA 7

SOLEMYO OPERA BLUEBUS 24V

## 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.

**Reliable:** 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.

**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;
- 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.

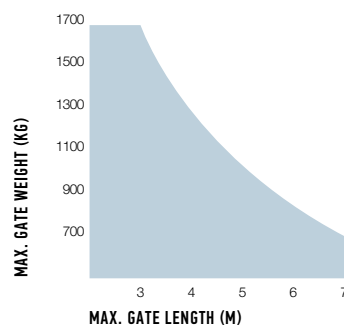


CODE	DESCRIPTION	PACK/PALLET
T07024	IRREVERSIBLE, 24 Vdc, WITH MAGNETIC ENCODER, MECHANICAL STOP ON OPENING AND CLOSING	20

### TECHNICAL SPECIFICATIONS

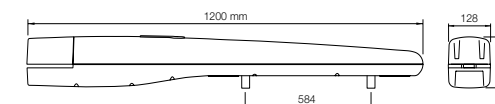
CODE	T07024
<b>ELECTRICAL DATA</b>	
POWER SUPPLY (Vac 50 Hz)	-
POWER SUPPLY (Vdc)	24
ABSORPTION (A)	5
POWER (W)	120
<b>PERFORMANCE DATA</b>	
SPEED (m/s)	0.013
FORCE (N)	2700
WORK CYCLE (CYCLES/HOUR)	41
<b>DIMENSIONAL AND GENERAL DATA</b>	
PROTECTION LEVEL (IP)	44
WORKING TEMP. (°C MIN/MAX)	-20 ÷ +50
DIMENSIONS (mm)	1200x128x150 h
WEIGHT (kg)	15

### UTILISATION LIMITS

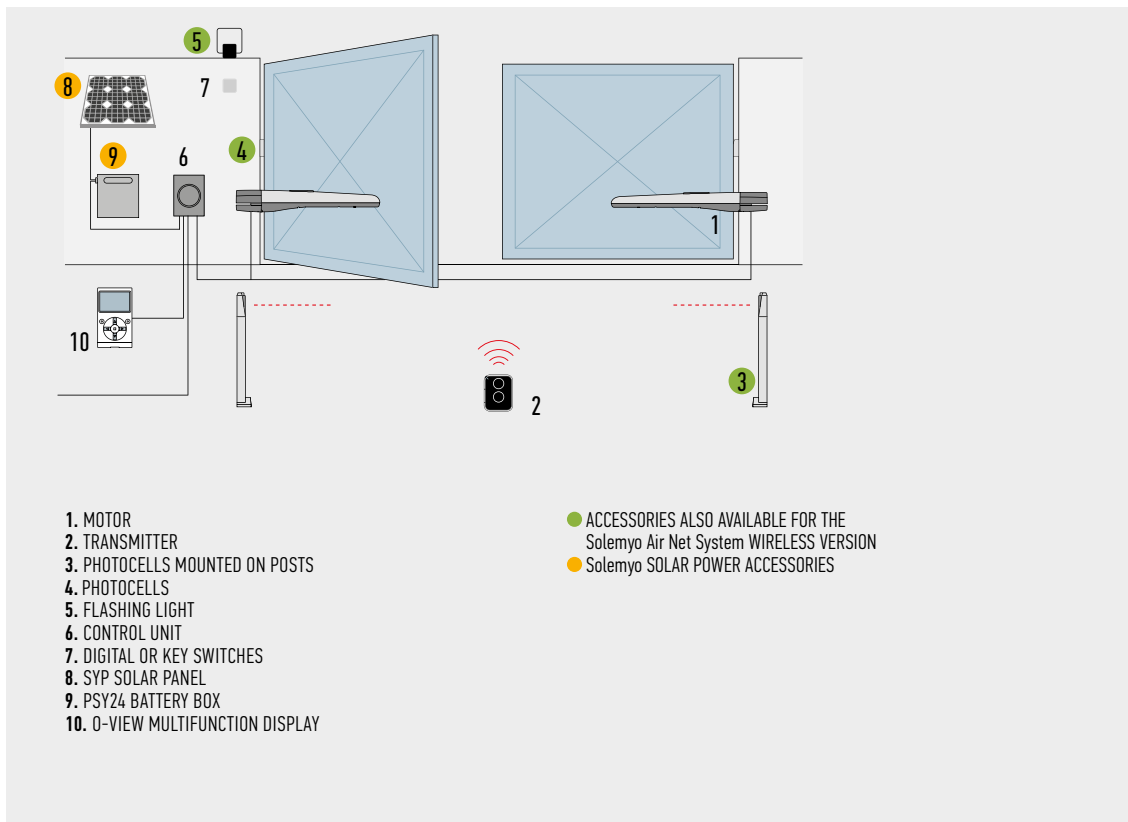


The shape, the height of the gate and the weather conditions can considerably reduce the values shown in the graph to the side.

### DIMENSIONS



## INSTALLATION DIAGRAM



## COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

CODE	CONTROL UNIT / RECEIVER							TRANSMITTER				PHOTOCELLS							FLASHING LIGHT							
	A01 / Built-in*	A02 / Built-in*	A6F / FLOX12R*	A700F / FLOX12R*	A60 / OX1-SMX1*	A500 / FLOX12R*	A924 / FLOX12R*	MC424L / OXI	MC824H / OXI	ERA INTI	ERA ONE	ERA FLOR	NICEWAY	EPS	EPM	EPL	EPSB	EPMB	EPLB	F210	FT210	F210B	FT210B	EL	EL24	ELB
<b>T07024</b>								●	●	●	●	●				●	●	●			●			●	●	●

\*Radio receiver incompatible with Opera system

## ACCESSORIES



**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



**PS324**  
24 V BATTERY WITH INTEGRATED BATTERY CHARGER.  
PC/PACK 1



**KIT SOLEMYO**  
THE SOLAR POWER TO AUTOMATE GATES, GARAGE DOORS OR BARRIER GATES. SEE PAGE 200

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

FOR SWING GATES

FOR SLIDING GATES

BARRIER GATE OPERATOR SYSTEMS

FOR GARAGE AND INDUSTRIAL DOORS

CONTROL SYSTEMS AND ACCESSORIES

COMPATIBILITY TABLE AND ALPHABETICAL INDEX

# TOONAKIT

SOLEMYO OPERA BLUEBUS 24V

**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.

**Reliable:** 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.

**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.

**Ease of installation and maintenance.**

**Moonclever MC824H control unit:**

- 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.

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

Discover the complete range at page 184

CODE	DESCRIPTION	PACK/PALLET
TOONA4024KCE	KIT FOR SWING GATES WITH LEAVES UP TO 3 m, 24 Vdc, SURFACE MOUNTED	12

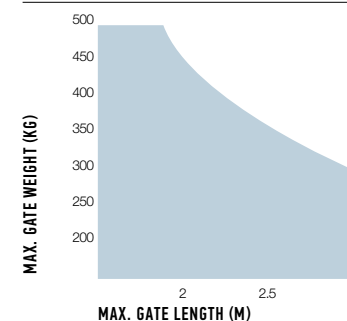
**N.B.** The content of the package may vary; consult the retailer.

## TECHNICAL SPECIFICATIONS

CODE	T04024
<b>ELECTRICAL DATA</b>	
POWER SUPPLY (Vdc)	24
ABSORPTION (A)	5
POWER (W)	120
<b>PERFORMANCE DATA</b>	
SPEED (m/s)	0.016
FORCE (N)	1800
WORK CYCLE (CYCLES/HOUR)	95*
<b>DIMENSIONAL AND GENERAL DATA</b>	
PROTECTION LEVEL (IP)	44
WORKING TEMP. (°C MIN/MAX)	-20 ÷ +50
DIMENSIONS (mm)	820x115x105 h
WEIGHT (kg)	6

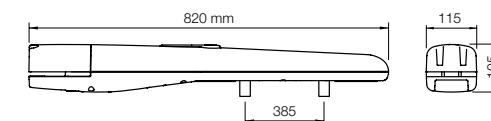
\* With optimal installation.

## 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



## THE KIT CONTAINS:

**T04024**  
2 ELECTROMECHANICAL IRREVERSIBLE GEAR MOTORS, SURFACE MOUNTED. WITH MECHANICAL STOP ON OPENING.



**0N2E**  
1 TRANSMITTER  
433.92 MHz, 2 CHANNELS.



**MC824H**  
1 CONTROL UNIT  
WITH OXI PLUG-IN RECEIVER.



**NEW**  
**EPMB**  
1 COUPLE OF EXTERNAL  
PHOTOCELLS DESIGNED FOR  
CONNECTION BY NICE BLUEBUS.



**NEW**  
**EKS**  
1 KEY SELECTOR SWITCH FOR  
OUTDOOR INSTALLATION.



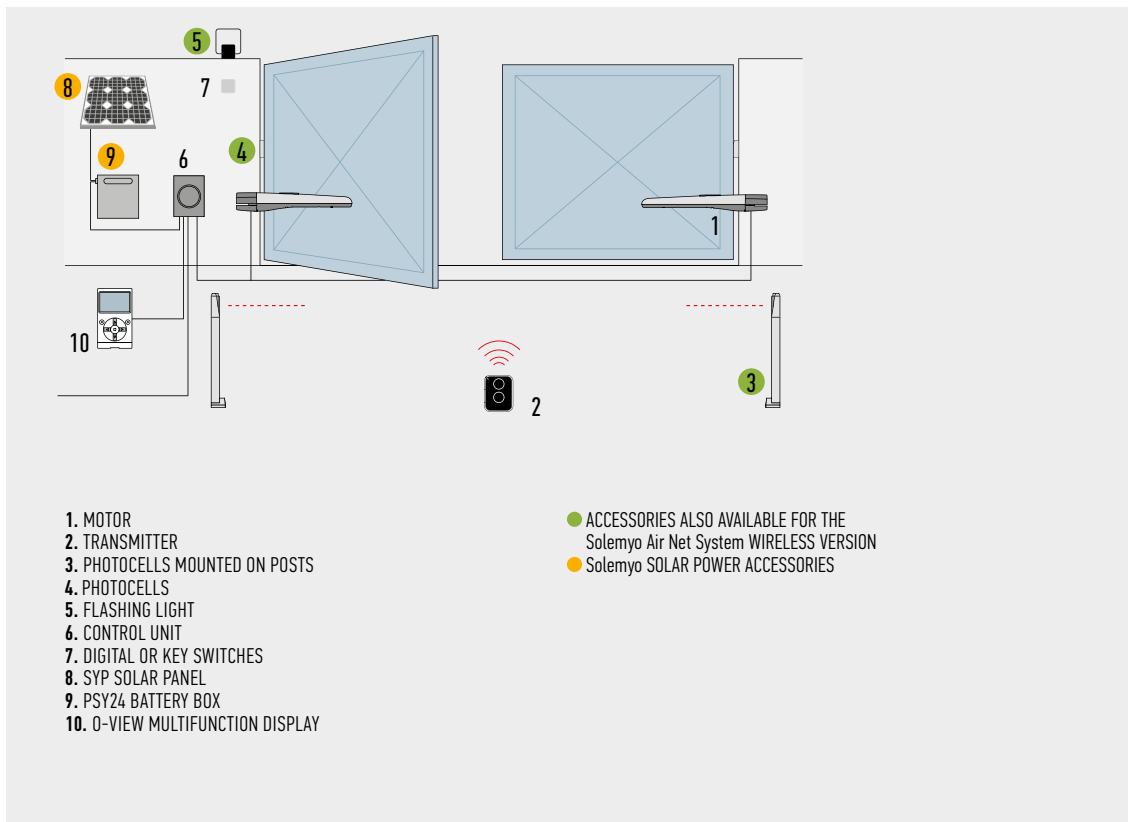
**NEW**  
**ELB**  
1 FLASHING LIGHT  
WITH INTEGRATED AERIAL.



**TS**  
1 SIGNBOARD.










## INSTALLATION DIAGRAM



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

## ACCESSORIES

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

			
<b>PLA6</b> REAR BRACKET 250 mm LONG. PC/PACK 1	<b>PLA14</b> SCREW-ADJUSTABLE REAR BRACKET. PC/PACK 2	<b>PLA15</b> SCREW-ADJUSTABLE FRONT BRACKET. PC/PACK 2	<b>PLA10</b> VERTICAL 12 V ELECTRIC LOCK (REQUIRED FOR GATES LONGER THAN 3 m). PC/PACK 1
			
<b>PLA11</b> HORIZONTAL 12 V ELECTRIC LOCK (REQUIRED FOR GATES LONGER THAN 3 m). PC/PACK 1	<b>PLA13</b> MECHANICAL TRAVEL STOPS FOR CLOSING AND OPENING MANOEUVRES. PC/PACK 4	<b>PS324</b> 24 V BATTERY WITH INTEGRATED BATTERY CHARGER. PC/PACK 1	



**KIT SOLEMYO**  
 THE SOLAR POWER TO  
 AUTOMATE GATES, GARAGE  
 DOORS OR BARRIER GATES.  
 SEE PAGE 200

FOR SWING GATES

FOR SLIDING GATES

BARRIER GATE  
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CONTROL SYSTEMS  
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