



The most complete and innovative  
range to automate swing gates.



**Nice**





## For swing gates with leafs 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:

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:

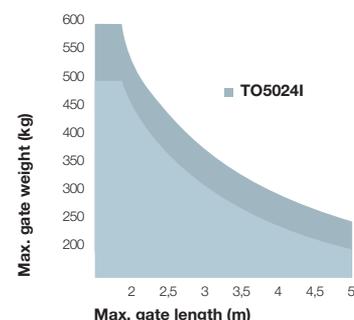
- simple programming, by means of a single key;
- self-learning of opening and closing limit positions;
- automatic fault diagnostics;
- programming of pause time;
- pedestrian pass door;
- deceleration on opening and closing;
- obstacle detection with dual technology;
- operation in event of power failure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

Code	Description
<b>TO5024</b>	Irreversible, 24 Vdc, with magnetic encoder, mechanical stop on opening
<b>TO5024I</b>	Irreversible, 24 Vdc, with magnetic encoder, mechanical stop on opening; for intensive use

## Technical specifications

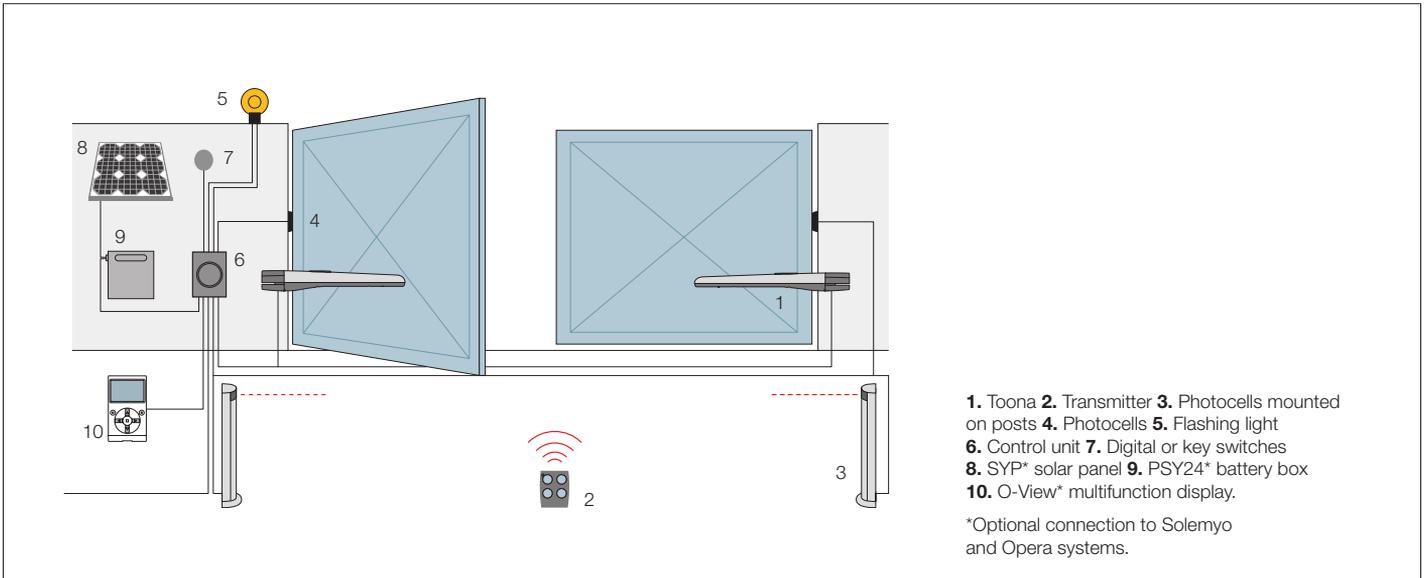
Code	TO5024	TO5024I
<b>Electrical data</b>		
Power supply (Vac 50 Hz)*	230	
Power supply (Vdc)	24	-
Absorption (A)	5	
Power (W)	120	
<b>Performance data</b>		
Speed (m/s)	0.016	0.013
Force (N)	1800	2200
Work cycle (cycles/hour)	95**	75***
<b>Dimensional and general data</b>		
Protection level (IP)	44	
Working temp. (°C Min/Max)	-20 ÷ +50	
Dimensions (mm)	965x115x105 h	
Weight (kg)	7	

## 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.

## Example of general setup with safety including solar



## Optional Accessories

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



**PLA6**  
Rear bracket  
250 mm long.



**PLA8**  
Screw-adjustable  
front bracket.



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



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



**PLA13**  
Mechanical travel stops  
for closing and opening manoeuvres.



**TS**  
Signboard.



**PS324**  
24 V battery  
with integrated  
battery charger.



**MOTXR**  
Wireless keypad



**F210B & FA1**  
Photo safety beam  
with vandal resistant  
cover



**ON2**  
Transmitter 433.92 MHz,  
2 channel



**ABF**  
Tuned 433.92MHz  
aerial



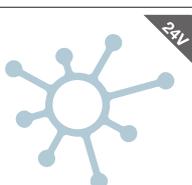
**OPLA**  
Wireless wall button  
for multiple functions

### Solemyo system



The solar power kit Solemyo to automate gates, garage doors or barrier gates, including those located far from the power mains and without the need for costly and invasive excavation work.

### Opera system



The innovative Opera system enables the installer to manage, program and control automation systems, also remotely, simply and safely, with significant savings in time.



Solemyo solar kit



O-View programmer is used by the installer to advance features and fine tune motor functions.



## 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!



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