

Toona HS

For rapid operation of swing gates with leafs 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.

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

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 memorization 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.

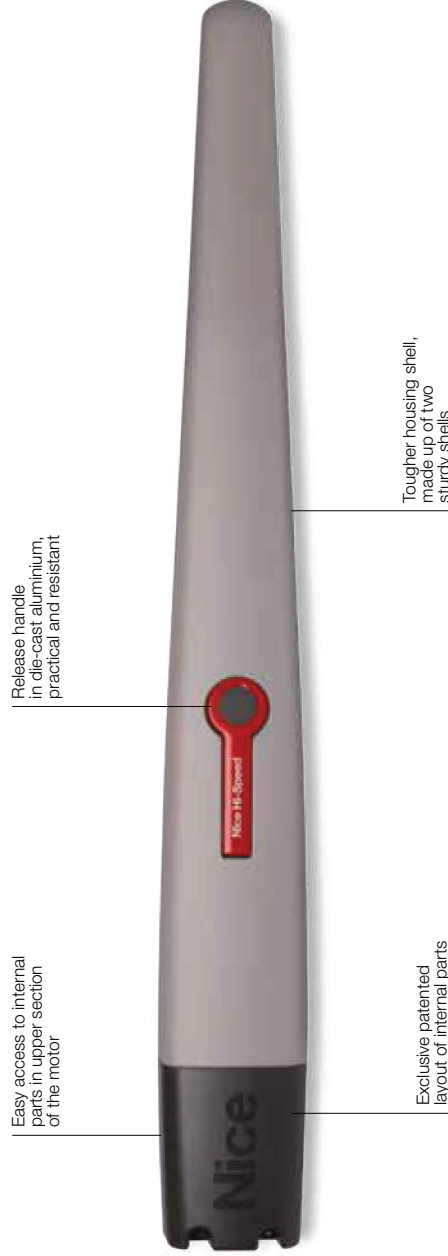
* Considering standard installation, excluding acceleration and deceleration.

Nice **BiDirectional products** indicate the status of the automations and confirm correct reception of the command.

Discover the complete range of BiDirectional products on page 176.

Yubii is the new Nice ecosystem that connects all the automations in the home.

Discover all the benefits of the Yubii system on page 168.



COMMON ACCESSORIES



CORE

Nice Wi-Fi Radio Gateway.

Pc./Pack 1



IBT4N

Interface for connecting the O-View programming unit.

Pc./Pack 1



BIDI-ZWAVE

Plug-in communication interface between Z-Wave™ gateways and Nice motors.

Pc./Pack 1



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



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 229.

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
Code		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

For sliding gates

For swing gates

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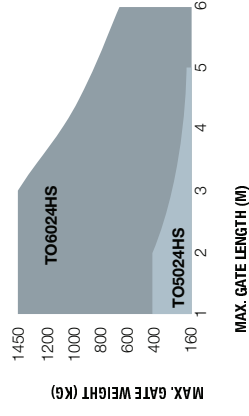
For sliding gates

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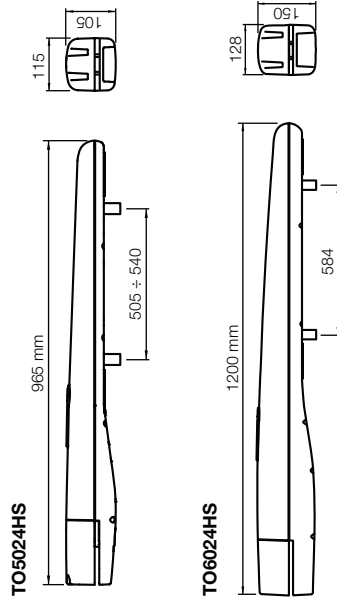
For sliding gates

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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.

COMPATIBILITY TABLE WITH CONTROL SYSTEMS AND ACCESSORIES

Code	control unit/receiver					transmitter										photocells					flashing light					
	MC800 / OXLR / OXLR	DR0500 / OXLR / OXLR	DR0924 / OXLR / OXLR	MC424 / Built-in* / OXLR / OXLR	MC824H / OXLR / OXLR	MC824HR / OXLR / OXLR	ERA ONE	ERA ONE BD	ERA ONE LR	ERA FLOR	NIEWAY	EPS	EPM	EPL	EPSB	EMB	EPLB	EPMB	EPMW	F210	F210B	F2108	ELAC	ELDC	WLT	
TO5024HS																										
TO6024HS																										

* Radio receiver incompatible with Opera system