

TITAN Linear Actuator

Elegant, modular design meets quiet operation

Quiet, powerful, and field-repairable with multiple controller and power options.

Features:



Simple:

UL 325 compliance with no external safety devices required using 310 bundle models*.



Powerful:

Moves up to 600 lbs for a 20 ft gate leaf or 1,000 lbs for a 8 ft gate leaf.



Easy maintenance:

Modular, field replaceable components for easy maintenance.



Convenience:

Easy access to limit switch adjustment.



Gate types:

Single or dual gate applications.



Technology:

Nice BlueBUS 2-wire system self-identifies monitored photo eyes.



Design:

Superior arm design keeps out dust and snow.



Noise reduction:

Soft-start and soft-stop for smooth gate operation.



Protected:

Locking manual release prevents unauthorized access and allows operation during power outage.

*Nice recommends adding an external entrapment device, such as photo eyes or edge sensors for enhanced protection.

TITAN Linear Actuator

Residential, Farm, Ranch Applications



powered by
1050, Mercury 310

Technical Specifications

Model	Nice TITAN12L1 LA System	Nice TITANKIT 12L1 AC	Nice TITANKIT 12L1 Solar	Nice TITANKIT 12L1 MB1050	Nice TITAN Bundle 310 AC	Nice TITAN Bundle 310 Solar
Operator Kit	Single: CBOX1050 and 912L-1Dual: CBOX1050, 912L-1, and 912L-2. Carriage return rendered.		Single: CBOX1050 and 912L-1 Dual: CBOX1050, 912L-1 and 912L-2	Single: MB1050 and 912L-1; Dual: MB1050, 912L-1 and 912L-2	Single: ACBOX310 and 912L-1 Dual: ACBOX310, 912L-1, and 912L-2	Single: SolarBOX310 and 912L-1 Dual: SolarBOX310, 912L-1, and 912L-2
Duty Cycle	Continuous for AC; Varies based on solar charging capacity*					
Drive	Electromechanical					
Open/Close Time	Open/Close speed set independently. Adjustable 14 - 16 seconds					
Gate Length Max.	Up to 20 ft gate leaf (6 m)					
Gate Weight Max.	Up to 600 lb for a 20 ft leaf (272 kg for 6 m); up to 1000 lb for a 8 ft leaf (453 kg for 2.4 m)					
Temperature Rating	-4° to 122° F (-20° to 50° C)					
Operating Voltage	12VDC					
Input Voltage	12VDC	12VDC or 24VDC	12VDC	115V or 208-230V 50/60Hz	115VAC, 60Hz	
Idle Current	17mA				10mA	
Accessory Power	12VDC and 24VDC 0.3A each location				Regulated 12V 500mA always on (2 locations); Regulated 12V 500mA standby off (2 locations)	
Included Accessories	OXIBD bi-directional receiver, one set of BlueBUS through beam photo eyes, Pivot Bolt	OXIBD bi-directional receiver, one set of EMX reflective photo eyes, Era One 2 Channel Mono Transmitter, Pivot Bolt			OXIBD bi-directional receiver, Era One 2 Channel Mono Transmitter, Pivot Bolt	
Communication	BlueBUS, BUST4, OXI				BlueBUS, USB, OXI	
User Controls	1050US Controller				Mercury 310 Controller	
Relays	3 programmable				none	
Arm Dimensions	Total Length: 42.5 retracted - 69.3 extended inches (108 - 176 cm) Pin-to-Pin: 40.5 retracted - 67.3 extended inches (103 - 171 cm)					
Enclosure	CBOX: 18w x 18h x 8d inch (46w x 46h x 20.3d cm)			MB1050: 14.25w x 15.125h x 9d inch (36.2w x 38.4h x 22.9d cm)	ACBOX: 11.8w x 15.8h x 6.7d inch (30w x 40h x 17 cm)	CBOX: 18w x 18h x 8d inch (46w x 46h x 20.3d cm)
Control Box Finish	CBOX: Black powder coat steel			Black plastic	ACBOX: Grey Plastic	CBOX: Black powder coat steel
ETL Listed (UL 325)	Usage Class I, II					
Warranty	3 year w/product registration					

* Actual battery backed up cycles will depend on gate resistance to travel, cycle length, battery health, ambient temperature, accessory power draw and frequency of gate cycles during power outage.

Note: Battery and battery charger or solar panel required for operation, not included in all systems or bundles.



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Nice/HySecurity is an industry leader of automated gate and perimeter security solutions.

The HySecurity brand provides high-quality, ultra-reliable industrial gate operators and crash-rated, Hostile Vehicle Mitigation (HVM) vehicle barriers designed to secure and protect critical infrastructure and facilities worldwide.

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