

# **Features:**



#### Powerful:

Move gate leaf up to 1,000 lbs and 20 ft



#### **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 selfidentifies 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



# TITAN Linear Actuator

# Residential, Farm, Ranch Applications



936, 1050

### **Technical Specifications**

Model					
Operator Kit         Single: CBOX936 and 912L-1 Twin: CBOX936, 912L-1 and 912L-2         Single: CBOX1050 and 912L-1 Twin: CBOX1050 or MB1050, 912L-1 and 912L-2         and 912L-1 Dual: CBOX1050 or MB1050, 912L-1 and 912L-2           Duty Cycle         Continuous for AC; Varies based on solar charging capacity*           Drive         Electromechanical           Gate Weight/Length Max         up to 6000 lb for a 20 ft leaf (272 kg for 6 m)           Open/Close Time (to 90°)         14 - 16 seconds Slowdown positions adjustable         14 - 16 seconds Open/Close speed set independently           Temperature Rating         -4° TO 122° F (-20° TO 50° C)           Operating Voltage         12VDC         12VDC or 24VDC           Included Current         17mA         Accessory Power         Regulated 12V/24V - 300mA (1 location each) Fused power - 3A (3 locations) Pivot Bolt         V+/24V/12V, 0.3A each location           Communication         BlueBUS, BUST4, USB port, OXI         BlueBUS billowing beam photo eyes, Pivot Bolt         OXIBD bi-directional receiver, one set of Elhaber Substrough beam photo eyes, Pivot Bolt         OXIBD bi-directional receiver, one set of Elhaber Substrough beam photo eyes, Pivot Bolt         OXIBD bi-directional receiver, one set of Elhaber Substrough beam photo eyes, Pivot Bolt         OXIBD bi-directional receiver, one set of Elhaber Substrough beam photo eyes, Pivot Bolt         OXIBD bi-directional receiver, one set of Elhaber Substrough beam photo eyes, Pivot Bolt         OXIBD bi-directional receiver, one set of Elhaber Substrough beam photo eyes,	Model	TITAN12L	TITAN12L1	TITANKIT 12L1	
Drive         Electromechanical           Gate Weight/Length Max         up to 6000 lb for a 20 ft leaf (272 kg for 6 m)           Open/Close Time (to 90°)         14 - 16 seconds Slowdown positions adjustable         14 - 16 seconds Open/Close speed set independently           Temperature Rating         -4° TO 122° F (-20° TO 50° C)           Operating Voltage         12VDC           Input Voltage         12VDC         12VDC           Idle Current         Regulated 12V/24V - 300mA (1 location each) Fused power - 3A (3 locations)         V+/24V/12V, 0.3A each location           Accessory Power         Regulated 12V/24V - 300mA (1 location each) Fused power - 3A (3 locations)         V+/24V/12V, 0.3A each location           Included Accessories         OXIBD bi-directional receiver, one set of BlueBUS through beam photo eyes, Pivot Bolt         OXIBD bi-directional receiver, one set of EMIx reflective photo eyes, Era One 2 Channel Mono Transmitter, Pivot Bolt           Communication         BlueBUS, BUST4, USB port, OXI         BlueBUS, BUST4, OXI         BlueBUS, BUST4, OXI         BlueBUS, BUST4, USB both directional receiver, one set of EMIx reflective photo eyes, Era One 2 Channel Mono Transmitter, Pivot Bolt         Cenamel Mono Transmitter, Pivot Bolt           Communication         BlueBUS, BUST4, USB port, OXI         BlueBUS, BUST4, OXI         BlueBUS, BUST4, OXI         BlueBUS, BUST4, OXI         Cenamel Mono Transmitter, Pivot Bolt           Relays         2 non-programmable	Operator Kit			and 912L-1 Dual: CBOX1050 or MB1050,	
Gate Weight/Length Max  Up to 600 lb for a 20 ft leaf (272 kg for 6 m) Up to 1000 lb for a 20 ft leaf (272 kg for 6 m) Up to 1000 lb for a 2 ft leaf (453 kg for 2.4 m) Up to 1000 lb for a 8 ft leaf (453 kg for 2.4 m)  Temperature Rating  Open/Close Speed set independently  Temperature Rating  Operating Voltage Input Voltage Input Voltage Idle Current  Accessory Power  Regulated 12V/24V - 300mA (1 location each) Fused power - 3A (3 locations)  OXIBD bi-directional receiver, one set of BlueBUS through beam photo eyes, Pivot Bolt  Communication  BlueBUS, BUST4, USB port, OXI  User Controls  936US Controller  Relays  Actuator Dimensions  Pint-to-Pin: 40.5 retracted - 69.3 extended inches (108 - 176 cm) Pint-to-Pin: 40.5 retracted - 67.3 extended inches (108 - 176 cm) MB1050: Hax W 15.125h x 9d inch (36.2w x 38.4h x 22.9d cm)  CBOX: Black powder coat steel  ETL Listed (UL 325)  Usage Class I, II  Usage Class I, II  Usage Class I, II  Usage Class I, II	Duty Cycle	Continuous for AC; Varies based on solar charging capacity*			
Cate Weignt/Length Max         up to 1000 lb for a 8 ft leaf (453 kg for 2.4 m)           Open/Close Time (to 90°)         14 - 16 seconds Slowdown positions adjustable         14 - 16 seconds Open/Close speed set independently           Temperature Rating         -4° TO 122° F (-20° TO 50° C)           Operating Voltage         12VDC           Input Voltage         12VDC           Idle Current         17mA           Accessory Power         Regulated 12V/24V - 300mA (1 location each) Fused power - 3A (3 locations)         V+/24V/12V, 0.3A each location           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           Communication         BlueBUS, BUST4, USB port, OXI         BlueBUS, BUST4, OXI           User Controls         936US Controller         1050US Controller           Relays         2 non-programmable relays         3 programmable relays           Actuator Dimensions         Total Length: 42.5 retracted - 69.3 extended inches (108 - 176 cm)           Pin-to-Pin: 40.5 retracted - 67.3 extended inches (108 - 176 cm)           Pin-to-Pin: 40.5 retracted - 67.3 extended inches (108 - 176 cm)           MB1050: 14.25w x 15.125h x 9d inch (36.2w x 38.4h x 22.9d cm)           CBOX: 18w x 18h x 8d inch (46w x 46h x 20.3d cm)         CBOX: Black po	Drive	Electromechanical			
Temperature Rating	Gate Weight/Length Max	up to 1000 lb for a 8 ft leaf (453 kg for 2.4 m)			
Temperature Rating	Open/Close Time (to 90°)				
Departing Voltage					
Input Voltage   12VDC   12VDC or 24VDC     Idle Current	<u> </u>				
Communication   BlueBUS, BUST4, USB port, OXI   BlueBUS, BUST4, OXI   BlueBUS   BlueBUS   Controller   Controls   Controller   Controls   Communication   Compunication   Co		10\/DC			
Accessory Power    Regulated 12V/24V - 300mA (1 location each) Fused power - 3A (3 locations)		12123			
Accessory Power    each) Fused power - 3A (3 locations)	idle Current				
Included Accessories  OXIBD bi-directional receiver, one set of BlueBUS through beam photo eyes, Pra One 2 Channel Mono Transmitter, Pivot Bolt  Communication  BlueBUS, BUST4, USB port, OXI  BlueBUS, BUST4, OXI  User Controls  936US Controller  1050US Controller  1050US Controller  Actuator 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)  CBOX: 18w x 18h x 8d inch (46w x 46h x 20.3d cm)  Enclosure  CBOX: 18w x 18h x 8d inch (46w x 46h x 20.3d cm)  CBOX: 18w x 15.125h x 9d inch (36.2w x 38.4h x 22.9d cm)  CBOX: Black powder coat steel  MB1050: Black powder coat steel  MB1050: Black plastic	Accessory Power	,	V+/24V/12V, 0.3		
User Controls         936US Controller         1050US Controller           Relays         2 non-programmable relays         3 programmable relays           Actuator 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)           CBOX: 18w x 18h x 8d inch (46w x 46h x 20.3d cm)         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)           Finish         CBOX: Black powder coat steel         CBOX: Black powder coat steel           MB1050: Black plastic	Included Accessories	Pivot Bolt		of EMX reflective photo eyes, Era One	
Relays         2 non-programmable relays         3 programmable relays           Actuator Dimensions         Total Length: 42.5 retracted - 69.3 extended inches (108 - 176 cm)	Communication	BlueBUS, BUST4, USB port, OXI	BlueBUS, BUST4, OXI		
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)   CBOX: 18w x 18h x 8d inch (46w x 46h x 20.3d cm)   CBOX: 18w x 15.125h x 9d inch (36.2w x 38.4h x 22.9d cm)     Finish   CBOX: Black powder coat steel   CBOX: Black powder coat steel   MB1050: Black plastic     ETL Listed (UL 325)   Usage Class I, II	User Controls	936US Controller	1050US	S Controller	
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CBOX: 18w x 18h x 8d inch (46w x 46h x 20.3d cm)   CBOX: 18w x 18h x 8d inch (46w x 46h x 20.3d cm)   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)   CBOX: Black powder coat steel   CBOX: Black powder coat steel   MB1050: Black plastic   CBOX: Black plastic   C	Actuator Dimensions	, ,			
Enclosure         CBOX: 18w x 18h x 8d inch (46w x 46h x 20.3d cm)         x 20.3d cm) MB1050: 14.25w x 15.125h x 9d inch (36.2w x 38.4h x 22.9d cm)           Finish         CBOX: Black powder coat steel         CBOX: Black powder coat steel MB1050: Black plastic           ETL Listed (UL 325)         Usage Class I, II	Actuator Billionologic				
FINISh MB1050: Black plastic  ETL Listed (UL 325) Usage Class I, II	Enclosure	CBOX: 18w x 18h x 8d inch (46w x 46h x 20.3d cm)		x 20.3d cm) MB1050: 14.25w x 15.125h x 9d inch	
ETL Listed (UL 325) Usage Class I, II	Finish	CBOX: Black powder coat steel		•	
	ETL Listed (UL 325)	Usage Class I, II			
Trailer, o you wyproduct registration	Warranty	3 year w/product registration			

<sup>\*</sup> 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 required but not included for solar models.

## Optional Accessories - See website for complete list



EPMB/A EPMOB/A EPLOB/A Photo Eye Kits



EDSWG Keypad



Oview Programmer



Inti 2-Channel Transmitter



Era One 2 or 4 Channel Transmitter



Solar Panels



Battery Charger



ASO Edge Sensors





