

Many reason to choose the SEA Gate Openers



1) VERY HIGH QUALITY

SEA is one of the few companies that has been pursuing for many years the strategy of "in house" production of all its components through the processing of the raw materials. Inside the company the bought raw materials are processed through very modern machineries and tested during every production phase until the finished product has been obtained. The materials used and the treatments to which they are submitted are always turned to excellent quality standards and the SEA staff is constantly engaged in obtaining the total quality.



2) FLEXIBILITY

The SEA strategy facing the internalization of all production phases allows SEA to satisfy all customers' requirements and answers in a very short time to all the requirements deriving from the market.



3) HYDRAULIC PRODUCTS

Thanks to the internal lubrication systems it is possible to obtain the following results:

- The temperature is always of low levels
- The noisiness nearly does not exist
- The operating is granted even in unfavorable climatic conditions



4) SEA LINEAR SWING GATE OPERATOR

The linear operator is of easy installation and hides itself behind the leaf of the gate. The opening is available both inward and outward with the operator always located in the inside of the gate. An exclusive device of adjustable hydraulic braking in closing, available for the commercial and industrial use, allows the leaf to have a very soft stop and grants a longer duration of the components.



5) IN-GROUND SWING GATES OPERATOR

SEA is one of the few companies on the market offering in-ground operators for swing gates of various type for leaves from 400 to 1800 pounds of weight.

The in-ground operator is turned to an exclusive clientele which wants an invisible, silent and strong automation.



6) SAFETY STANDARD UL 325

All SEA products assigned to the USA market are UL 325 compliant and respect all the rules of safety.

The slide operators are equipped with encoder which grants the inversion of the motion in case of obstacles.

The swing operators (in-ground and linear) and the traffic barriers are equipped with by-pass valve for the thrust regulation.

INDEX

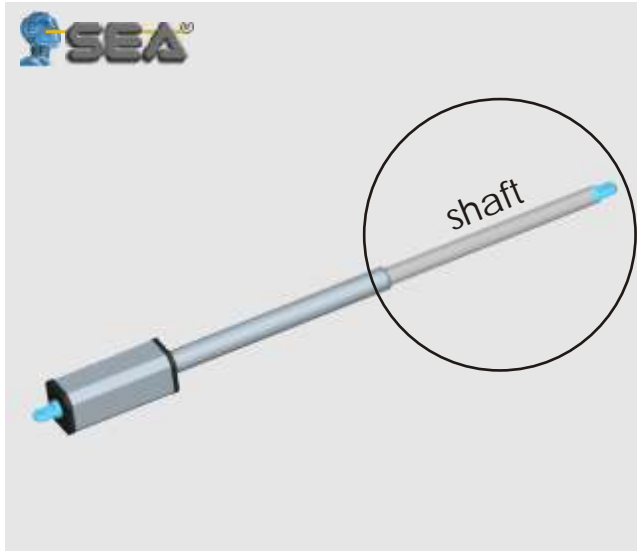
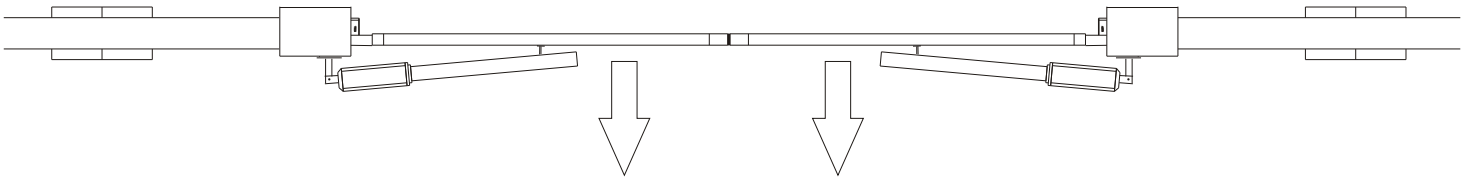
Utilization	Residential	Commercial	Industrial
Swing operators	LIBRA MINI TANK ALPHA LIBRA HALF TANK PEDESTRIAN	LIBRA HALF TANK	LIBRA FULL TANK
In-ground swing operators	COMPACT 400/800/1600 LYRA 1600		
Sliding operators	ORION TAURUS	LEPUS MEDIUM DUTY	LEPUS HEAVY DUTY
Traffic Barriers		VELA VERG	VELA RAPID VELA INDUSTRIAL

- In-ward / Out-ward Swing gate installation.....	6
- Swing gate details.....	7
- <i>Swing gate specifications</i>	8
- Libra Mini Tank.....	10
- Libra Half Tank.....	11
- Libra Full Tank.....	12
- Alpha.....	13
- <i>In-ground Swing gate specifications</i>	14
- Compact 400.....	16
- Compact 800.....	17
- Compact 1600.....	18
- Lyra 1600.....	19
- <i>Sliding gate specifications</i>	20
- Lepus.....	22
- Orion.....	23
- Taurus.....	24
- <i>Traffic barriers specifications</i>	26
- Vela.....	28
- Vela Industrial.....	29
- Vela Rapid.....	30
- Verg.....	31
- Lighting Systems, Safety Devices, Push Buttons.....	32
- Electric Locking Devices, Supports and boxes.....	32
- Accessories for swing gates.....	33
- Accessories for sliding gates.....	33
- Accessories for barriers.....	34
- Electronic Control Units.....	35
- Transmitters and Receivers.....	38
- Telephone entry systems.....	38
- Surge protection kits for gate access, Magnetic gate lock.....	39
- Proximity card reader, Timer.....	39
- KITS	40
- Selling Conditions.....	42

In-ward / Out-ward Swing Gate Installation

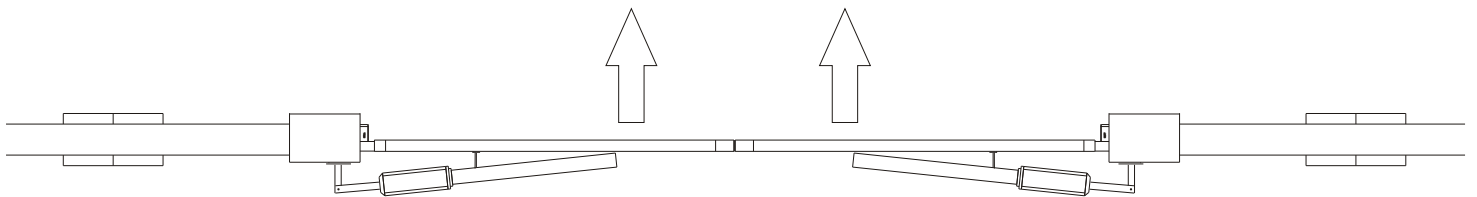
All the swing operators of SEA allow the gate opening in-ward / out-ward keeping the operator inside the property.

To open the gate in-ward look the example below:



As show in the draw beside, the shaft has to be pulled out

To open the gate out-ward look the example below:



As show in the draw beside, the shaft is in the inside position. The back connection has to be installed in order to avoid the operator hits the gate. Call SEA USA to request the special back connection for an easy installation. SEA USA advise to install the version FULL TANK EXTENDED for large pilar to obtain the best performance for this application.

Swing Gate Details

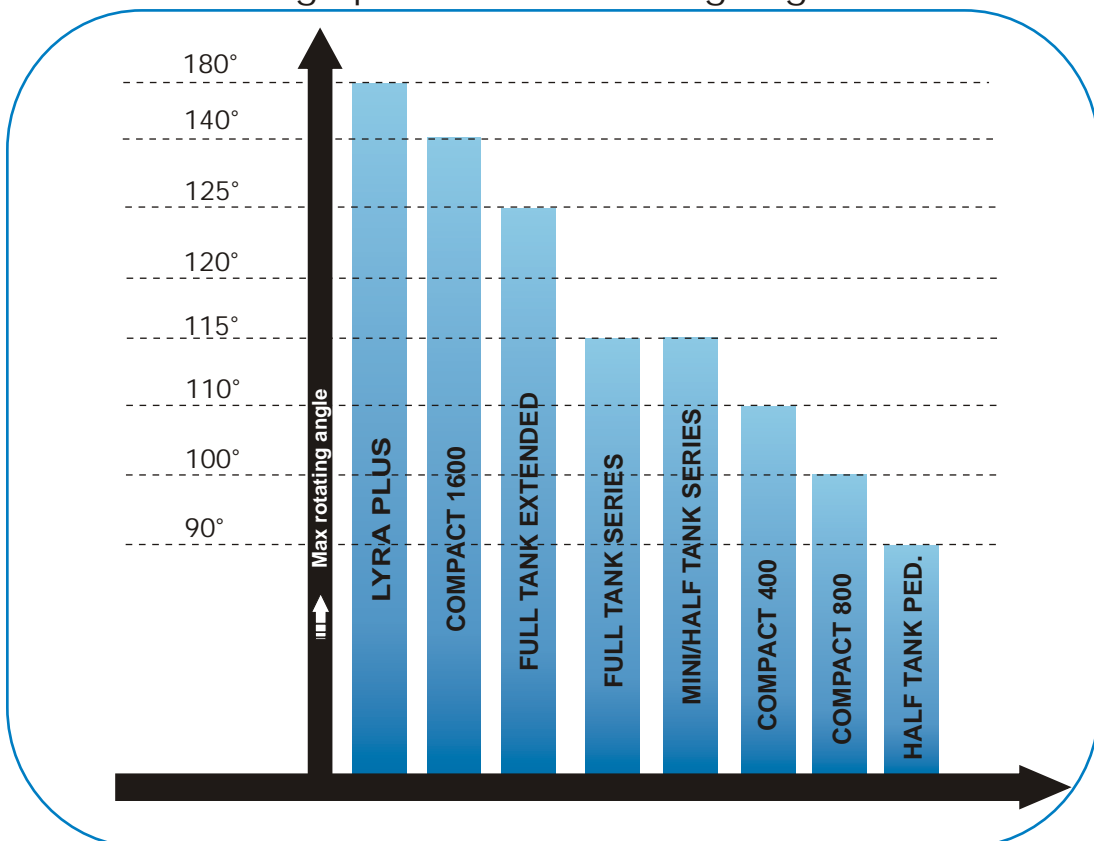
During the selection of the gate operator you need to choose the hold type that must be obtained on the gate (opened and closed locking, only in closing, only in opening, without lock)

Description	Hydraulic lock available			
	SA (Lock in opening)	SC (lock in closing)	AC (opening & closing)	SB (without lock)
Libra Mini Tank series	on request	available		on request
Libra Half Tank Standard			available	on request
Libra Full Tank Normal	on request	on request	available	on request
Libra Full Tank Standard	on request	on request	available	on request
Libra Full Tank Fast	on request	on request	available	on request
Libra Full Tank Large				available
Libra Full Tank Extended	on request	on request	available	on request

Warning: Non hydraulic locking operators are suggested if:

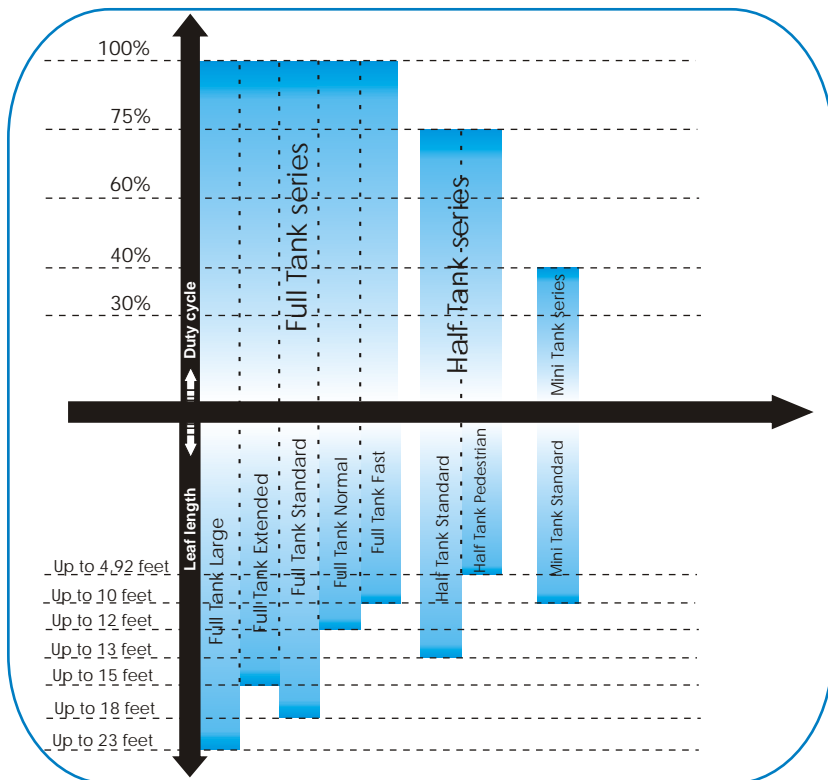
- Your gate leaf is longer than 8.2 feet
- High wind conditions

Swing operators max rotating angle



Swing Gate Specification

OPERATOR SPECIFICATION	MINI TANK	HALF TANK	
		Pedestrian	Standard
Supply Voltage	115 Vac ± 5%	115 Vac ± 5 %	
Motor Current	1,9 A	2 A	
Max Working Pressure	20 bar	40 bar	
Operating Temperature	- 43° F + 131° F	- 43° F + 131° F	
Thermal Protection Intervention	266° F	266° F	
Application	Residential	Residential Condominium	Residential Condominium
Stroke	10,62 In	6,69 In	10,62 In
Max Leaf Length	10 feet	4,92 feet	13 feet
Max Leaf Weight	800 Pound	500 Pound	920 Pound
Max Opening Angle	115°	90°	115°
90° Opening Time	13 sec	8 sec	14 sec
Cycle/Hour	35	45	
Hydraulic Locking	SC (lock only in closing) SA (lock only in opening)	AC (lock in opening/closing) SB (without lock)	
Shipping Weight	16,5 Pound	18,7 Pound	
Features	setting valve for thrust regulation releasing with special key	Setting valve for thrust regulation brake in closing releasing with key	

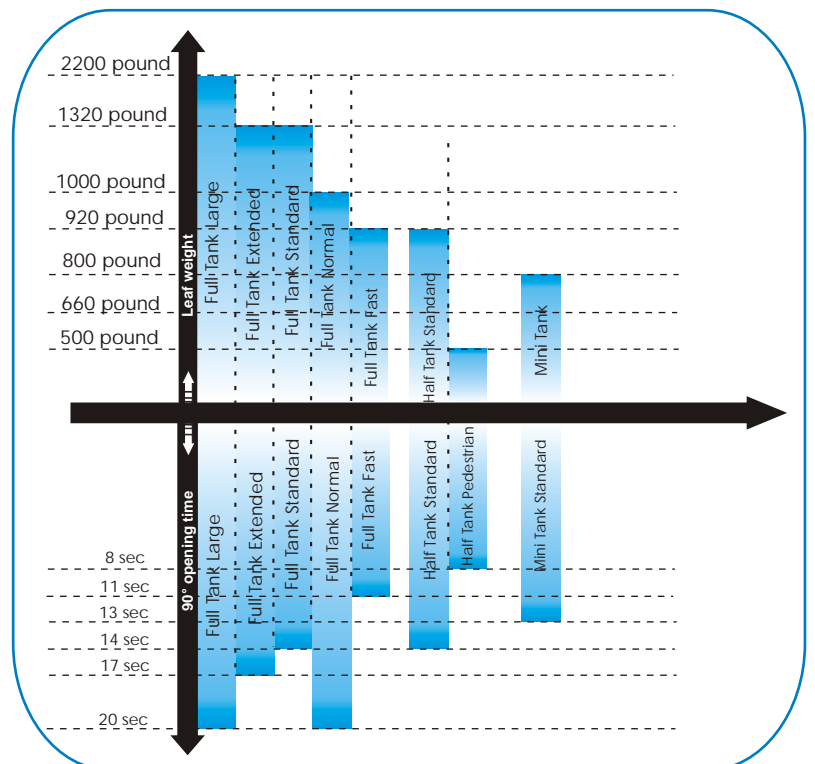


Warning:

For leaves longer than 12 feet, non hydraulic locking operator should be used in conjunction with a separate electric locking device

Positive stops for Half Tank and Full Tank should be used only in the series with brake.

	Normal	Standard	FULL TANK		Extended
			Fast	Large Leaf	
			115 Vac ± 5 %		
			2 A		
			40 bar		
			-43° F + 131° F		
			266° F		
			Condominium		
			Commercial		
			Industrial		
	10,62 In	10,62 In	10,62 In	15,35 In	15,35 In
	13 feet	18 feet	12 feet	23 feet	15 feet
	1000 Pound	1320 Pound	920 Pound	2200 Pound	1320 Pound
	115°	115°	115°	115°	125°
	20 sec	14 sec	11 sec	20 sec	17 sec
			90		
	AC (opening/closing) SB (without lock)	AC (opening/closing) SB (without lock)	AC (opening/closing) SB (without lock)	SB (without lock)	AC (opening/closing) SB (without lock)
			18,7 Pound		
			setting valve for thrust regulation		
			Hydraulic adjustable brake in closing		
			releasing with key		



WARNING: for any explanation or need contact SEA USA, Inc.
 All the information given are responding to standard working conditions (temperature 72°F) SEA is not responsible for any variances of the features above mentioned

LIBRA MINI TANK

Listed to
ANSI/UL 325

ELECTRO-HYDRAULIC OPERATOR

**FOR REDUCED DIMENSION ACCESS. EASY INSTALLATION,
SUITABLE FOR ANY INSTALLED OR NOT INSTALLED GATE
MAX LEAF LENGTH 10 FEET**

Strong & Silent

The Libra Mini Tank has been planned in accordance with standards of silence, reliability and anticrush safety granted by setting valve for the max thrust regulation of the system.

Gates up to 6,5 feet long can be securely locked in the closed position using the operators internal hydraulic system.

For gates up to 6,5 feet : Non hydraulic locking operators should be used in conjunction with a separate electro locking device.

Manual Release:

The operator's internal hydraulic locking can be released using a special key, in case of power failure



Available supply voltage 230 Vac



Concealed positive stop in option

Manual Release



DESCRIPTION PRODUCT	COD	PUMP Gal.	STROKE IN.
LIBRA MINI TANK SC	101SC2S0	0,39	10,62
LIBRA MINI TANK SA	101SA2S0	0,39	10,62
LIBRA MINI TANK SB	101SB2S0	0,19	10,62

SC: LOCK IN CLOSING
SA: LOCK IN OPENING
SB: WITHOUT LOCK



DESCRIPTION	COD
SWING STD electronic control unit 110V	2302B110

LIBRA HALF TANK

Listed to
ANSI/UL 325

ELECTRO-HYDRAULIC OPERATOR FOR SWING GATES, FOR RESIDENTIAL AND CONDOMINIUM APPLICATIONS MAX LEAF LENGTH 13 FEET (4,92 FEET PED.).

Strong & Silent

The Libra Half Tank has been planned in accordance with standards of silence, reliability and anticrush safety granted by setting valve for the max thrust regulation of the system, equipped with positive stops and **hydraulic slow down in closing** for HT 100.

Gates up to 5,9 feet long can be securely locked using the operators internal hydraulic locking system.

For gates in excess of 5,9 feet: Non hydraulic locking operators should be used in conjunction with a separate electric locking device

Manual Release: In case of a power failure: The operator's internal hydraulic locking feature can be released using a special key.



Concealed positive stop in option

DESCRIPTION PRODUCT	COD	LOCK TYPE	STROKE In.
LIBRA HALF TANK 100 STANDARD	104AC3S0	AC (opening and closing)	10,62
LIBRA HALF TANK 100 STANDARD	104SB3S0	SB (without lock)	10,62
LIBRA HALF TANK Pedestrian	104AC4S0P	AC (opening and closing)	6,69
LIBRA HALF TANK Pedestrian	104SB4S0P	SB (without lock)	6,69

Available supply voltage 230 Vac

AC: HYDRAULIC LOCK IN
OPENING AND CLOSING

SB: WITHOUT LOCK



DESCRIPTION	COD
SWING PRO electronic control unit	2302A110

LIBRA FULL TANK

Listed to
ANSI/UL 325

ELECTRO-HYDRAULIC OPERATOR

FOR SWING GATES, COMMERCIAL AND INDUSTRIAL APPLICATIONS
FOR CONTINUOUS USE. MAX GATE LEAF 23 Feet

Strong and Silent

The Libra Full Tank has been planned in accordance with standards of silence, reliability and anticrush safety granted by setting valve for the max thrust regulation of the system. **The versions Standard, Fast, Large and Extended are equipped with an hydraulic adjustable slow down in closing** which grants a soft stop of the gate in closing, preventing any kind of damages to the system. For a perfect alignment of the leaves in closing is possible to apply on the Full Tank Series a very new and powerful positive stop.

Leaves up to 12 feet long can be securely locked in both the open and closed position using the operators internal hydraulic locking system.

Manual Release:

The operator's internal hydraulic locking system can be released using a special key, in case of power failure.



Available supply voltage 230 Vac

Manual Release



Concealed positive stop in option

DESCRIPTION PRODUCT	COD	LOCK TYPE	STROKE In.
LIBRA FULL TANK NORMAL	106AC2S0	AC (OPENING/CLOSING)	10,62
LIBRA FULL TANK 100 STANDARD	106AC3S0	AC (OPENING/CLOSING)	10,62
LIBRA FULL TANK 100 FAST	106AC4S0	AC (OPENING/CLOSING)	10,62
LIBRA FULL TANK 200 LARGE	107SB2S0	SB (WITHOUT LOCK)	15,35
LIBRA FULL TANK 200 EXTENDED	107AC4S0	AC (OPENING/CLOSING)	15,35

AC: Lock in opening and closing
SB: Without lock

DESCRIPTION	COD
SWING PRO electronic control unit	2302A110



ALPHA

NEW

ELECTRO-MECHANICAL HIGH/LOW VOLTAGE PIPELINE OPERATOR FOR LIGHT DUTY APPLICATIONS.

Three versions available:

Alpha Small: for swing gates with leaf up to 6,5 in and weight of 550 lbs

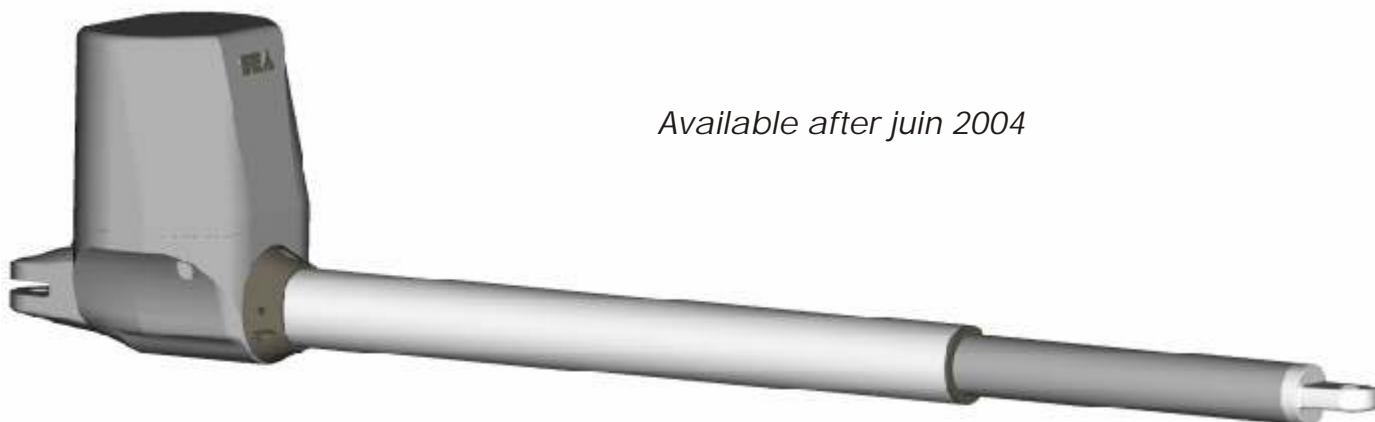
Alpha Standard: for swing gates with leaf up to 10 in and weight of 725 lbs

Alpha Large: for swing gates with leaf up to 19 in and weight of 950 lbs

Alpha has been planned for residential gates up to 19 in. Quick and easy to install it's provided of an anti crushing protection system by an electronic device controlling operator drive torque. It's provided of an internal totally concealed positive stop system and an internal limit switch.

In case of emergency, the release key makes it possible to operate the gate manually.

In case of power failure a battery back up allows the operator up to 100 cycles opening.



Available after juin 2004

OPERATOR SPECIFICATION

	ALPHA SMALL	ALPHA STANDARD	ALPHA LARGE
Supply voltage	230 Vac ± 5%		
Electric Motor	24Vdc/110V/220V		
Motor power	n.d.		
Motor current	3 A		
Motor revol. speed	1400 rpm		2800 rpm
Cycles/hour	20		
Operating temperature	-4°F +131°F		
Protection class	IP 44		

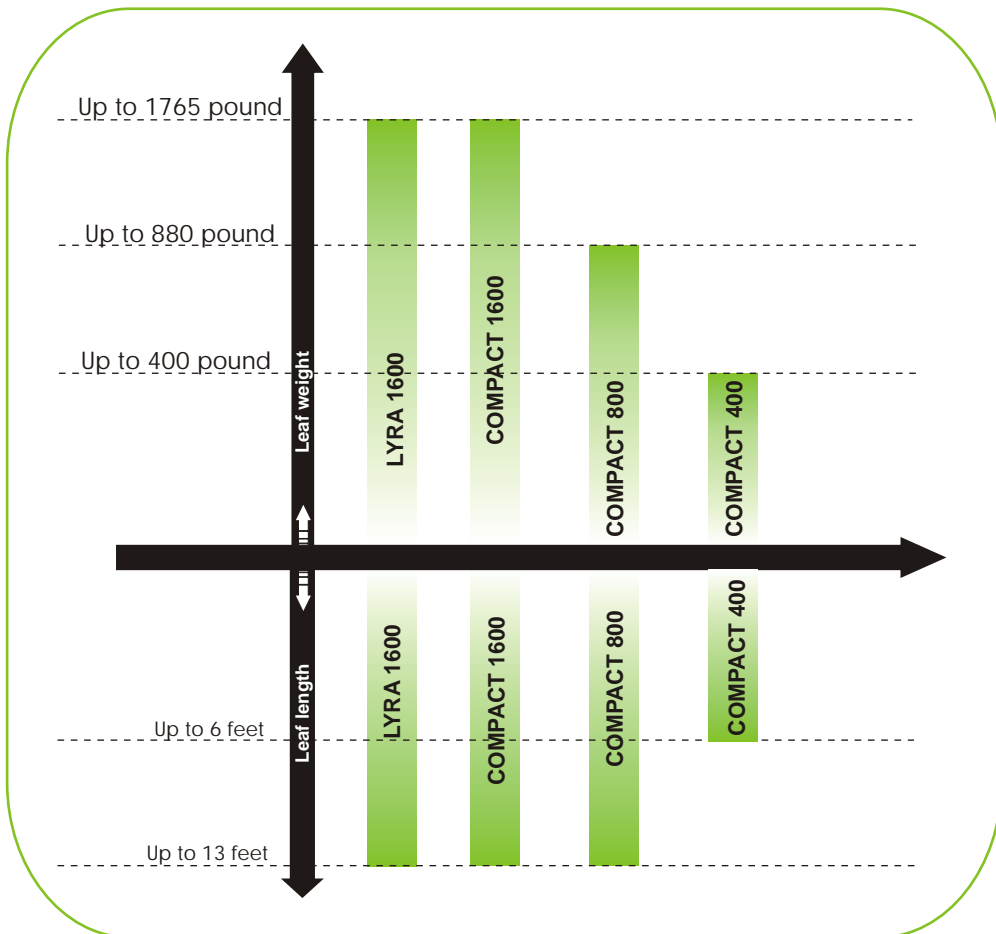
DESCRIPTION

COD

SWING 24 electronic control unit call SEA USA

INGROUND SWING GATES

OPERATOR SPECIFICATION	LYRA 1600
Supply Voltage	115 Vac ± 5 %
Motor Current	2 A
Operating Temperature	- 43° F + 131° F
Thermal Protection Intervention	266° F
Application	Residential - Small Condominium
Max Leaf Weight	1765 Pound
Max Leaf Length	13 feet
Max Opening Angle	100° / 180°
Opening Time	13 / 15 sec
Cycle/Hour	30
Hydraulic Locking	AC (lock in opening / closing) SB (without lock)
Shipping Weight	15 Pound
Features	<p>setting valve for thrust regulation</p> <p>adjustable brake</p> <p>releasing with key</p>

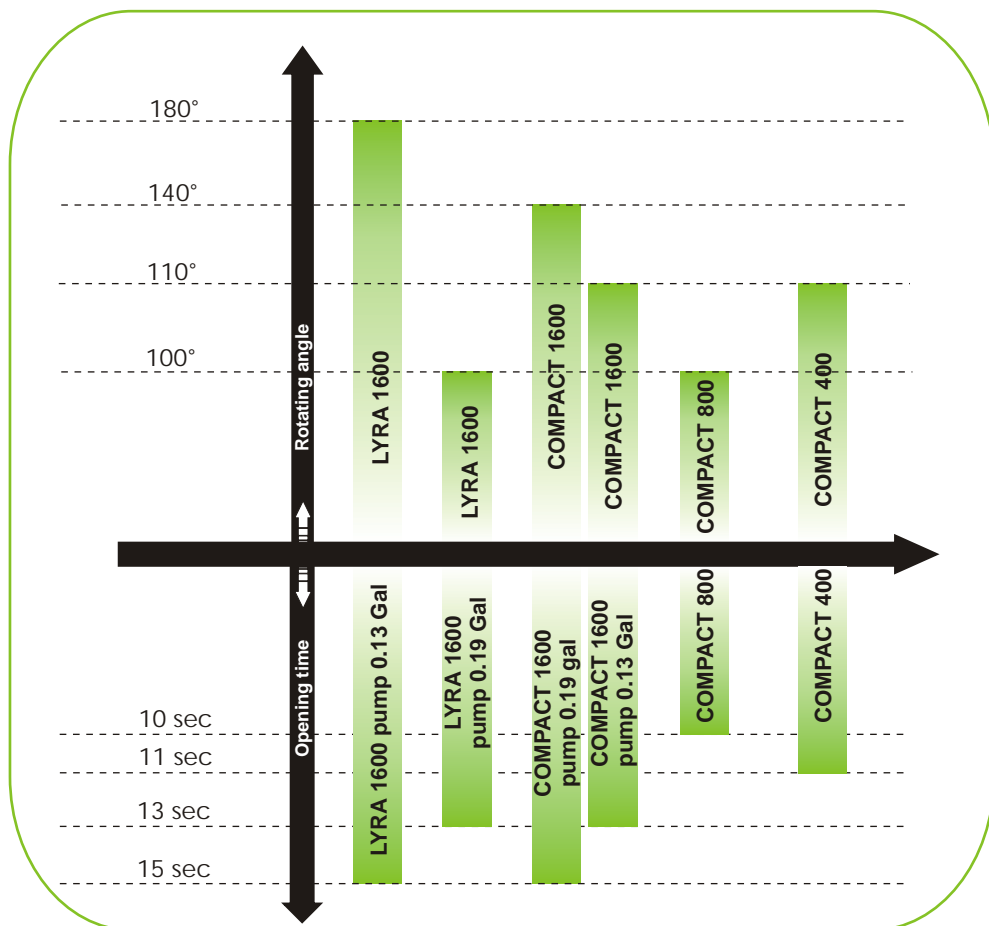


Warning:

Non hydraulic locking operators are suggested if:

- Your gate leaf is longer than 9.84 feet
- High wind conditions

	COMPACT 400	COMPACT 800	COMPACT 1600
	115 Vac \pm 5 %	115 Vac \pm 5 %	115 Vac \pm 5 %
	1,9 A	2 A	2 A
	- 43° F + 131° F	- 43° F + 131° F	- 43° F + 131° F
	266° F	266° F	266° F
	Residential	Residential Small Condominium	Residential Small Condominium
	400 Pound	880 Pound	1765 Pound
	6 feet	13 feet	13 feet
	110°	100°	100°/140°
	11 sec	10 sec	13 / 15 sec
	20	30	30
	AC (lock in opening / closing)	AC (lock in opening / closing) SB (without lock)	AC (lock in opening / closing) SB (without lock)
	22,48 Pound	30,4 Pound	30,4 Pound
	setting valve for thrust regulation	setting valve for thrust regulation	setting valve for thrust regulation
	adjustable brake	adjustable brake	adjustable brake
	releasing with special key	releasing with key	releasing with key
	positive stop built - in the self carrying box	universal carrying box	releasing with key
	universal model for left and right side		universal carrying box



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COMPACT 400

Listed to
ANSI/UL 325

IN-GROUND OPERATORS FOR SWING GATES

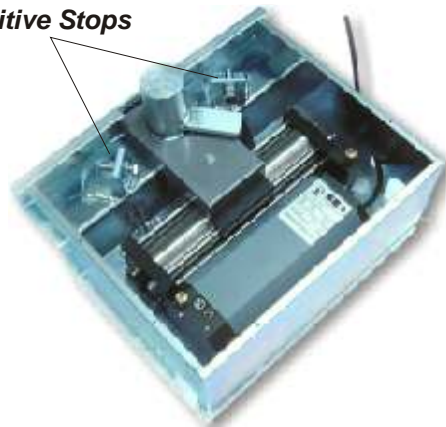
IN ANCIENT AND MODERN STYLE.

MAX. LEAF WEIGHT 400 POUNDS. MAX LEAF LENGTH 6 FEET.

Strong, silent, invisible and autonomous
Compact 400 is made out of an hydraulic unit (electric motor, tank, pump and distributor) and out of a hydraulic jack. **The Compact 400 version uses a selfcarrying box with built-in adjustable positive stops.** It can be used for the movement of leaves with a max. weight of 400 pounds and max length of 6 feet each .
It has an hydraulic lock which guaranties a perfect stability in open and closed position and furthermore an adjustable hydraulic braking in the two stopping phases of the leaf. **Universal model for left and right side.**
Manual Release:
In case of power failure, the manufacturing typology allows (through a personalized key) to release the automatism either from the outside or from the inside of the gate, warranting its working in every situation of emergency.
Available security system for external release.



Positive Stops



Available supply voltage 230 Vac

Description Product	Code	Lock Type	Rotating Angle	Leaf Weight (Pound)
COMPACT 400 AC	122AC0S0	(OPENING/CLOSING)	110°	400

AC: Hydraulic lock in opening and closing

DESCRIPTION PRODUCT	COD
CARRYING BOX with built-in Positive Stop	12201005



DESCRIPTION PRODUCT	COD
SWING PRO Electronic control Unit	2302A110

COMPACT 800

Listed to
ANSI/UL 325

IN-GROUND OPERATOR FOR SWING GATES

ON ANCIENT OR MODERN STYLE.

MAX LEAF WEIGHT 880 POUND. MAX LEAF LENGTH 13 FEET.

Strong, Silent & Discrete

The Compact 800 is a one-piece unit consisting of an hydraulic pump unit close coupled to the underground gate actuator equipped with **adjustable slow-down in opening and closing**. The drive assembly fits into a purpose made gate support box. The pump unit casing contains the electric motor, fluid pump, distributor and hydraulic oil. The hydraulic fluid acts as both the motive force and as a coolant for the motor. Hydraulic locking units are suitable for gate leaf up to 6,56 feet long. For gate excess of 6,56 feet: Non locking operators should be used in conjunction with a separate electrical locking device.

Manual Release:

In case of power failure: The operator's internal hydraulic locking can be released using a special key and the gate used manually until power is restored. Available security system for external release.



Available supply voltage 230 Vac

DESCRIPTION PRODUCT	COD	LOCK TYPE	ROTATING ANGLE	LEAF WEIGHT (Pound)	PUMP Gal.
COMPACT 800 AC (LEFT)	121AC1R0	(OPENING/CLOSING)	100°	880	0,19
COMPACT 800 AC (RIGHT)	121AC1L0	(OPENING/CLOSING)	100°	880	0,19

DESCRIPTION PRODUCT	COD
CARRYING BOX <i>Universal left/right</i>	12101009



AC: HIDRAULIC LOCK IN OPENING AND CLOSING

DESCRIPTION PRODUCT	COD
SWING PRO Electronic Control Unit	2300A110



COMPACT 1600

Listed to
ANSI/UL 325

IN-GROUND OPERATOR FOR SWING GATES

ON ANCIENT OR MODERN STYLE.

MAX LEAF WEIGHT 1765 POUND. MAX LEAF LENGTH 13 FEET.

Strong, Silent & Discrete

The Compact 1600 is a one-piece unit consisting of a hydraulic pump unit close coupled to the underground gate actuator. The drive assembly fits into a purpose made gate support box. The pump unit casing contains the electric motor, fluid pump, distributor and hydraulic oil. The hydraulic fluid acts as both the motive force and as a coolant for the motor. Slow down available

Hydraulic locking units are suitable for gate leaf up to 6,56 feet long. For gates in excess of 6,56 feet: Non locking operators should be used in conjunction with a separate electrical locking device.

Manual Release:

In case of a power failure: The operator's internal hydraulic locking can be released using a special key and the gate used manually until power is restored. Available security system for external release.



Available supply voltage 230 Vac

DESCRIPTION PRODUCT	COD	LOCK TYPE	ROTATING ANGLE	LEAF WEIGHT (Pound)	PUMP Gal.
COMPACT 1600 AC LEFT	121AC0L0P	(OPENING/CLOSING)	140°	1765	0,13
COMPACT 1600 AC RIGHT	121AC0R0P	(OPENING/CLOSING)	140°	1765	0,13
COMPACT 1600 AC LEFT with brake	121AC1L0P1	(OPENING/CLOSING)	100°	1765	0,19
COMPACT 1600 AC RIGHT with brake	121AC1R0P1	(OPENING/CLOSING)	100°	1765	0,19

DESCRIPTION PRODUCT	COD
CARRYING BOX Universal left/right	12101010



AC: IDRAULIC LOCK IN OPENING AND CLOSING

DESCRIPTION	COD
SWING PRO Electronic control unit	2302A110



LYRA 1600

Listed to
ANSI/UL 325

IN-GROUND OPERATOR FOR SWING GATES

ON ANCIENT OR MODERN STYLE.

MAX LEAF WEIGHT 1765 POUND. MAX LEAF LENGTH 13 FEET.

Strong, Silent & Discrete

The Lyra 1600 is a hydraulic underground gate operator system consisting of a separate pump unit and underground actuator. The two units are linked together hydraulically using a 0,31 Inc. copper pipe . The hydraulic pump casing contains the the electric motor, fluid pump, distributor and hydraulic oil. The hydraulic fluid acts as both the motive force and as a coolant for the motor. [Slow down available.](#)

Hydraulic locking units are suitable for gate leaf up to 6,56 feet long. For gates in excess of 6,56 feet: Non locking operators should be used in conjunction with a separate electrical locking device.

Manual Release:

In case of a power failure: The operator's internal hydraulic locking can be released using a special key and the gate used manually until power is restored.



DESCRIPTION PRODUCT	COD	LOCK TYPE	ROTATING ANGLE	LEAF WEIGHT (Pound)	PUMP Gal.
LYRA 1600 AC	120AC0S0	AC			0,13
LYRA 1600 SB	120SB0S0	SB			0,13
LYRA 1600 AC	120AC1S0	AC			0,19
LYRA 1600 SB	120SB1S0	SB			0,19
HYDRAULIC JACK WITH ADJUSTABLE BRAKE IN OPENING AND CLOSING	12015010		100°	1765	
HYDRAULIC JACK WITH ADJUSTABLE BRAKE IN OPENING AND CLOSING	12015050		180°	1765	

AC: HYDRAULIC LOCK IN OPENING AND CLOSING

SB: WITHOUT LOCK

DESCRIPTION PRODUCT

COD

INGROUND BOX (COMPULSARY ACCESSORY)

66200080

BOX FOR LYRA

66200066



DESCRIPTION

COD

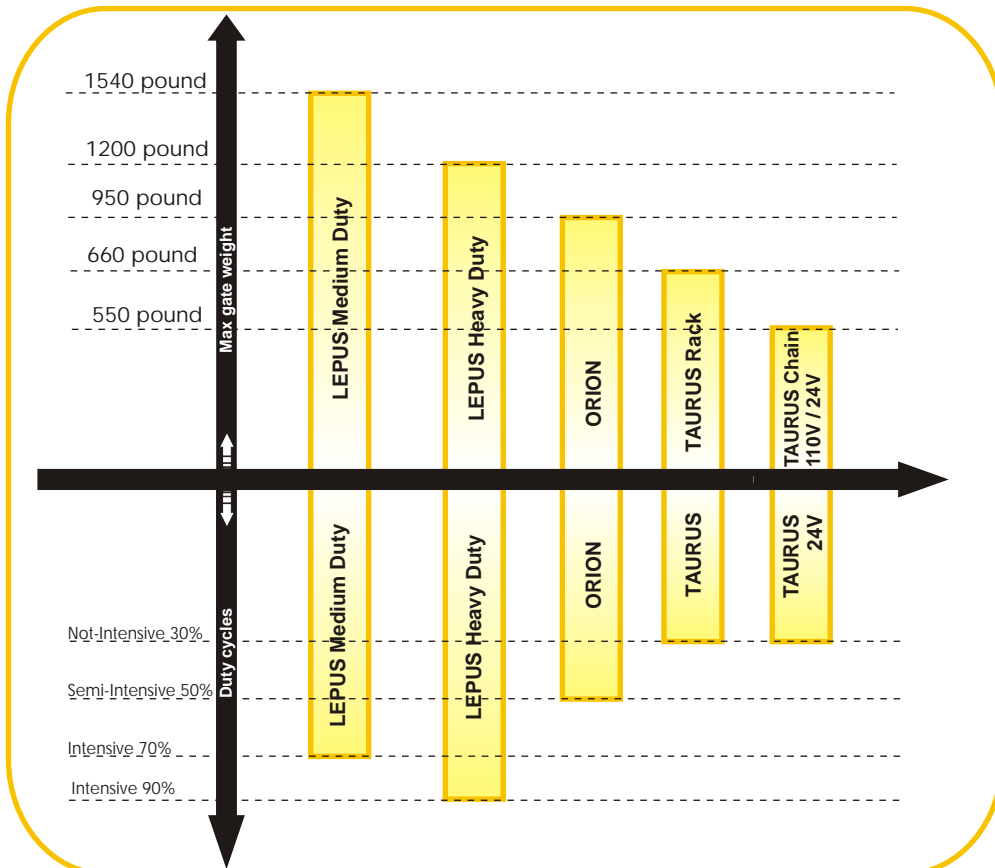
SWING PRO Electronic control unit

2302A110



SLIDING GATES

OPERATOR SPECIFICATION	LEPUS Heavy Duty	LEPUS Medium Duty
Supply Voltage	115 Vac ± 5 %	115 Vac ± 5 %
Motor Current	3,2 A	4,1A
Motor Revol. Speed	1700 rpm	1700 rpm
Motor Power	½ H.P.	2/3 H.P.
Operating Temperature	- 43° F + 131° F	- 43° F + 131° F
Thermal Protection Intervention	266° F	266° F
Application	Commercial Heavy duty	Condominium Commercial Medium duty
Max Gate Weight	1200 Pound	1540 Pound
Duty Cylce	Intensive 90%	Intensive 70%
Gate Speed	10 - 8 inc / sec	10 - 8 inc / sec
Drive	chain / rack and pinion	chain / rack and pinion
Weight With Oil	106 - 28 Pound	106 - 28 Pound
Oil Quantity	0,46 Gal	0,46 Gal
Features	<p>The case for chain model is in iron steel</p> <p>Mechanical clutch for torque regulation</p> <p>Inversion in case of obstacles</p> <p>Mechanical release</p>	<p>The case for chain model is in iron steel</p> <p>Mechanical clutch for torque regulation</p> <p>Inversion in case of obstacles</p> <p>Mechanical release</p>



	ORION / ORION 24V	TAURUS Chain / Rack	TAURUS 24V
	115 Vac ± 5 %	115 Vac ± 5 %	115 Vac ± 5 %
	3,1 A / 6 A	1,9 A	24 V
	1400 rpm		
	1/3 H.P / 1/8 H.P.	1/4 H.P	
	- 43 ° F + 131° F	- 13° F + 131° F	- 13° F + 131° F
	266° F	266° F	266° F
	Residential	Single home	Single home
	950 Pound	550/662 Pound	800 Pound
	Semi Intensive 50%	Not Intensive	Not Intensive
	10 - 8 inc / sec	6 inc / sec	6 inc / sec
	chain / rack and pinion	chain / rack and pinion	chain / rack and pinion
	90 - 28 Pound	81 - 22 Pound	22 Pound
	0,05 gal		
	The case for chain model is in iron steel	The case for chain model is in metal	Mechanical clutch for torque regulation
	Mechanical clutch for torque regulation	Mechanical clutch for torque regulation	Inversion in case of obstacles
	Inversion in case of obstacles	Inversion in case of obstacles	battery back-up
	battery back-up for 24V		Mechanical release
	Mechanical release	Mechanical release	

WARNING: for any explanation or need contact SEA USA, Inc.

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Warning:
The whole range of sliding motors are available with chain drive and/or rack and pinion.

LEPUS Heavy Duty / Medium Duty

**IRREVERSIBLE MOTOR-REDUCER COMPLETELY IN OIL-BATH
FOR SLIDING GATES , FOR COMMERCIAL USE.
MAX WEIGHT GATE: 1200 - 1540 POUND**

Listed to
ANSI/UL 325

Compact, Powerful and Silent

The Lepus is a motor-reducer for sliding gates with a mechanical bidisk clutch for a sensitive regulation of the motor torque, inversion during the closing cycle when it meets an obstacle, available with chain or rack and pinion. **Case in iron steel for chain model.**

The perfect keeping of the system in closing is granted by the irreversibility of the gear wheel tangent screw. The electric motor, friction clutch and reduction gears are housed in a single-piece cast metal block and completely immersed in oil bath. The oil bath acts as both the lubricant for the gears and as a cooling agent to dissipate the heat generated by the electric motor during operation.

Limit Switch

The chain version is equipped with an internal limit switch
The rack version is equipped with a mechanical limit switch

Manual Release

In case of power failure, the unit can be easily mechanically released by an handle and the gate operated manually until power is restored.
Available security box for external release pg 33.
Available battery back-up **STAR 500** pg 39.

Lepus Chain



Dimensions: 11" x 13" x 27"
case in iron steel

Lepus Rack



Dimensions: 6" x 13" x 14"

Available supply voltage 230 Vac

DESCRIPTION PRODUCT	COD	Max Gate Weight (Pound)
LEPUS CHAIN Heavy Duty	1110MEC0BOX-08	1200
LEPUS RACK Heavy Duty	1110MER0FL-08	1200
LEPUS CHAIN Medium Duty	1110MEC0BOX-10	1540
LEPUS RACK Medium Duty	1110MER0FL-10	1540

DESCRIPTION	COD
SLIDE PRO Electronic control unit 2300A110SU	



ORION / ORION 24V

Listed to
ANSI/UL 325

IRREVERSIBLE MOTOR-REDUCER IN OIL- BATH FOR RESIDENTIAL SLIDING GATES AND NOT INTENSIVE WORK. MAX GATE WEIGHT 950 POUND.

Powerful and Safe

The ORION is an irreversible single-phase motor-reducer of easy installation. The motor, the electronic control unit and gearbox are immersed in oil offering a durable system for the user. The Orion is equipped with a mechanical clutch and sensitive torque regulation. The built-in electronic control unit warranty the brake regulation and inversion during the closing cycle when it meets an obstacle. **Case in iron steel for chain model.**

Limit Switch

The chain version is equipped with an internal limit switch
The rack version is equipped with a mechanical limit switch

Manual Release

In case of power failure: the unit can be easily mechanically released by an handle and the gate operated manually until power is restored. Available security box for external release pg 33. Available battery back-up **STAR 500** pg 39.

Orion Chain



Dimensions: 11" x 13" x 27"
case in iron steel



Orion Rack



Dimensions: 7" x 9" x 13"

DESCRIPTION PRODUCT	COD	MAX GATE WEIGHT (Pound)
ORION Chain	1120MEC0BOX	950
ORION Rack	1120MER0FL	950
ORION Rack 24V	1120MER3	950
ORION Chain 24V	1120SZC3BOX	950

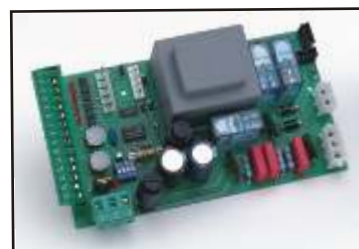
Available supply voltage 230 Vac

DESCRIPTION PRODUCT

COD

SLIDE STD Electronic control unit Orion 110V 2300B110SU

24 PRO Electronic control unit Orion 24V 9340B110



TAURUS / TAURUS 24V

ELECTRO-MECHANICAL MOTOR-REDUCER FOR SLIDING GATES UP TO 800 POUND OF WEIGHT.

Electro-mechanical motor-reducer realized in a compact metal case for chain model.
The built-in mechanical friction clutch provides an anti-crush safety.
In the 110V version the opening and closing accuracy is provided by a limit stop with microswitch.
In the 24V version the unit is provided with an electronic self learning limit switch
The releasing key system allows the manual operating of the gate in a quick way.
The microprocessor electronic control unit is provided of automatic or semi-automatic logics and it is set for all kind of safeties.

Taurus Chain



Dimensions: 11" x 13" x 27"

Available supply voltage 230 Vac

Taurus Rack



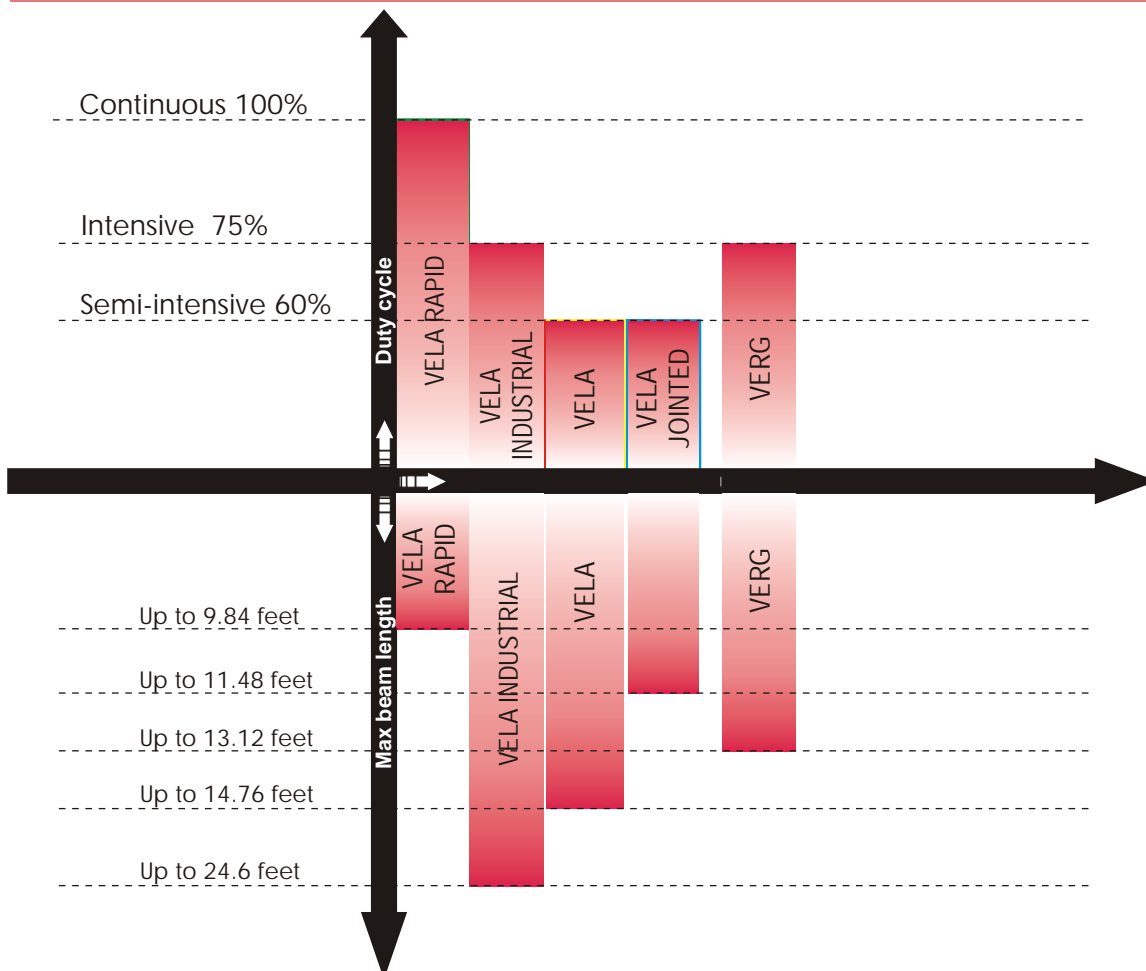
Dimensions: 7" x 11" x 12"

DESCRIPTION PRODUCT	COD	MAX GATE WEIGHT (Pound)
TAURUS CHAIN	1130MEC0BOX	662
TAURUS RACK	1130MER0	662
TAURUS 24V	11302025	800

DESCRIPTION	COD
SLIDE MEC Electronic control unit	2303B110
24V STD Electronic control unit	23001154

TRAFFIC BARRIERS

OPERATOR SPECIFICATION	VELA
Supply Voltage	115 Vac ± 5%
Motor Current	2 A
Thermal Protection Intervention	266° F
Operating Temperature	-43° F+131° F
Application	Commercial and Public access
Opening Time	3,5 - 5 sec
Beam Length	up to 14,76 feet
Beams Material Available	Rigid aluminium Articulated and skirted
Cabinet Finish	painting dust
Weight With Oil	92,6 Pound
Oil Quantity	0,47 Gal
Duty Cycle	Semi-intensive
Features	Hydraulic by-pass adjustment Slow-down Keyed access manual release in case of power failure



	VELA INDUSTRIAL	VELA RAPID	VERG
	115 Vac ± 5%	115 Vac ± 5%	115 Vac ± 5%
	2 A	4 A	1,2 A 24 Vac
	266° F	266° F	266° F
	-43° F+131° F	-43° F+131° F	-13° F+131° F
	Commercial and Industrial access	Car parking with high intensity traffic control	Commercial and Public access car parks
	8 to 12 sec	1,5 - 2 sec	2 sec
	up to 24,6 feet	up to 9,84 feet	up to 9,84 feet
	Rigid aluminium	Rigid aluminium Round beam	Rigid aluminium
	painting dust	painting dust	painting dust
	161 Pound	154,3 Pound	112,4 Pound
	0,39 Gal	0,39 Gal	
	Intensive	Continuous	Intensive
	Hydraulic by-pass adjustment	Hydraulic by-pass adjustment	up to 100 Cycles in case of power failure
	Keyed access manual release in case of power failure	Keyed access manual release in case of power failure	Reversal in case of obstacles
		Internal cooling fan	Manual release with special key

WARNING: for any explanation or need contact SEA USA, Inc.

All the information given are responding to standard working conditions (temperature 72°F) SEA is not responsible for any variances of the features above mentioned

ELECTRO HYDRAULIC BARRIER

FOR SEMI-INTENSIVE USE (60%)

WITH OPENING TIME FROM 3,5 SEC. TO 5 SEC. MAX BEAM LENGTH 14,76 FEET.

Armonic & Silent

The Vela self contained drive unit consists of:

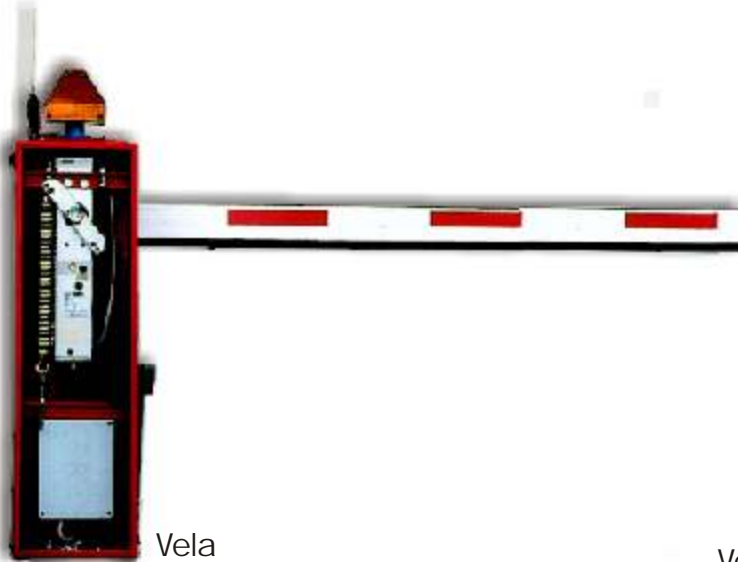
An electric motor and fluid pump (sitting in an oil reservoir) and a hydraulic system coupled to a spring balancing.

The hydraulic locking feature allows the barrier to be locked in the open and closed positions.

The Vela is also available with **slow-down** and with jointed beam for entrances with low headroom.

Manual Release

In case of a power failure, the operator's internal locking can be released using a special key.



Vela



Vela Articulated

DESCRIPTION PRODUCT	COD	OPENING TIME Sec.	PUMP Gal.
VELA FOR BEAM LENGTH UP TO 14,76 FEET With slow-down	116AC4L0	5	0,52
VELA FOR BEAM LENGTH UP TO 14,76 FEET with slow-down	116AC4R0	5	0,52

Available supply voltage 230 Vac

DESCRIPTION	COD
SWING PRO Electronic control unit 2302A110	



On request we can supply the inox steel casing

ELECTRO-HYDRAULIC BARRIER

FOR PARKINGS AND INDUSTRIAL ENTRANCES WITH OPENING TIME FROM 8 SEC. TO 12 SEC.; MAX BEAM LENGTH 24,6 FEET; HYDRAULIC SLOWDOWN IN OPENING AND CLOSING.

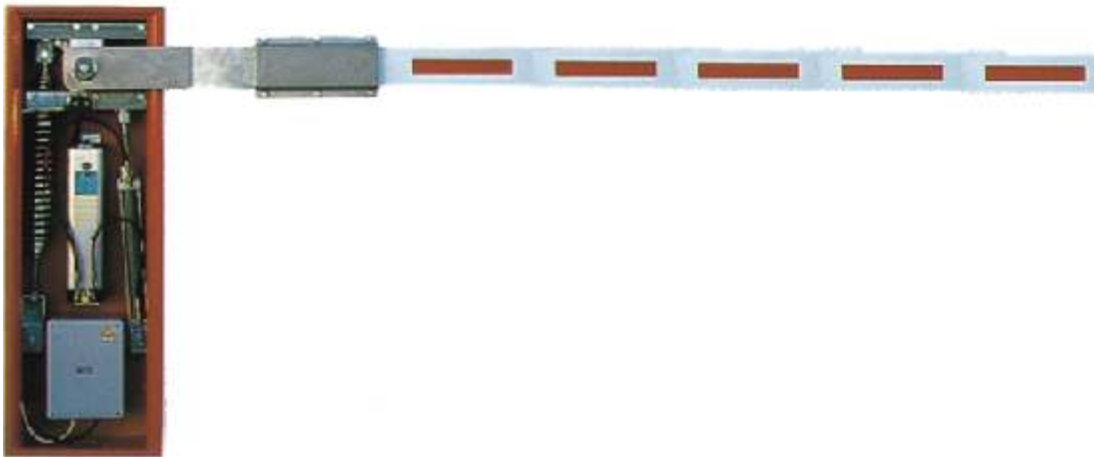
Silent & Safe

The Vela Industrial hydraulic power units contains the electric motor, fluid pump and valve/distribution block. A double action hydraulic piston drives the spring balanced beam assembly.

The beam hydraulically locks in the open and closed position. **Hydraulic slow-down in opening and closing.**

Manual Release

In case of a power failure: The unit can be put on to manual operation using the special key supplied.



DESCRIPTION PRODUCT	COD	PUMP Gal.
VELA INDUSTRIAL WITH ELECTRONIC CONTROL UNIT FOR BEAM OF 16,4 FEET	117AC4R05M	0,52
VELA INDUSTRIAL WITH ELECTRONIC CONTROL UNIT FOR BEAM OF 19,7 FEET	117AC4R06M	0,52
VELA INDUSTRIAL WITH ELECTRONIC CONTROL UNIT FOR BEAM OF 23 FEET	117AC4R0	0,52
VELA INDUSTRIAL WITH ELECTRONIC CONTROL UNIT FOR BEAM OF 24,6 FEET	117AC4R01	0,52

On request iron steel case

Available supply voltage 230 Vac

DESCRIPTION	COD
SWING PRO Electronic control unit	2302A110



VELA RAPID

ELECTRO-HYDRAULIC BARRIER

FOR CONTINUOUS USE (100%) AND VERY HARD WORK WITH OPENING TIME FROM 1,5 SEC. A 2,5 SEC.; MAX BEAM LENGTH 9,84 FEET; HYDRAULIC SLOWDOWN IN OPENING AND CLOSING

Rapid & Safe

The Vela Rapid drive mechanism consists of a hydraulic pump and piston, balance beam assembly and balance spring. **Its uninterrupted working**, raising the oil temperature, starts an electrofan for the cooling. The beam hydraulically locks in open and closed position. **Hydraulic slow-down in opening and closing.**

Manual Release

In case of a power cut, a key allows the hydraulic locking to be released and the beam can be operated manually.



DESCRIPTION PRODUCT	COD	PUMP Gal.
VELA RAPID WITH ELECTRONIC CONTROL UNIT FOR BEAM OF 6,56 FEET	11705020	0,52
VELA RAPID WITH ELECTRONIC CONTROL UNIT FOR BEAM OF 8,2 FEET	11705015	0,52
VELA RAPID WITH ELECTRONIC CONTROL UNIT FOR BEAM OF 9,84 FEET	11705010	0,52

Available supply voltage 230 Vac

DESCRIPTION	COD
SWING PRO Electronic control unit	2302A110



ELECTRO-MECHANICAL BARRIER

HIGH SPEED IN OPENING AND CLOSING, 24V, FOR BEAM FROM 9,84 FEET TO 13,12 FEET WITH MOTION INVERSION IN CASE OF AN OBSTACLE.

Automatic barrier 24V for beam up to 13,12 feet, with galvanized and polyester painted casing, resistant to any ambient temperature.
 It is supplied with **slow-down in opening and closing**, suitable for controlling commercial and public access car parks with not intensive use.
 The emergency batteries allow the functioning up to 100 cycles in case of power failure.
 The opening and closing speed is 2 secs. And therefore it is advised for the entrances of Hospitals, Airport and Condominium.



DESCRIPTION PRODUCT	COD
VERG WITH ELECTRONIC CONTROL UNIT FOR BEAM FROM 6,56 TO 9,84 FEET	1132S0
VERG WITH ELECTRONIC CONTROL UNIT FOR BEAM OF 13,12 FEET	1132S01

DESCRIPTION	COD
24 PRO Electronic control unit	9340B110



LIGHTING SYSTEMS



**WARNING LAMP
WITH FLASHING CARD**
Cod. 23104050



**SMALL FLASHING LAMP
WITH CARD**
Cod. 23104015



TRAFFIC LIGHTS: RED-GREEN
contact SEA USA



Traffic light
For order contact
SEA USA

SAFETY DEVICES



**PHOTOCELLS FOTO 40
SURFACE MOUNTING**
Cod. 23102045



**PHOTOCELLS FOTO 50
FLASH MOUNTING**
Cod. 23102020



PNEUMATIC EDGE 6,56 FEET
Cod. 12705050
PNEUMATIC EDGE 8,2 FEET
Cod. 12705055
PNEUMATIC EDGE 9,84 FEET
Cod. 12705060



**LOOP DETECTOR
(UNDERGROUND)**
23105160

PUSH BUTTONS



**DIGITAL SWITCH
WITH DECODER
ANTI-VANDALIC**
Cod. 23105167



**KEY SWITCH
START-STOP**
Cod. 23103030



**PUSH BUTTON
BOARD**
Cod. 23103045



**DECODER MODULE
FOR ITEMS 23105167**
Cod. 23105100



**MAGNETIC
CARD READER**
Cod. 23105045



**MAGNETIC
CARD**
Cod. 23105140

SUPPORTS AND BOXES



**SUPPORT FOR
PHOTOCELLS
FOTO 50**

Cod. 16200010



**SUPPORT FOR
KEY SWITCH**

Cod. 16200020



**SUPPORT FOR
MAGNETIC CARD
READER**

Cod. 16200015



**SUPPORT FOR
PHOTOCELLS
FOTO 40**
Cod. 12710015



**PLASTIC BOX
FOR
PHOTOCELLS**
Cod. 66300160



**METAL BOX FOR
PHOTOCELLS FOTO
50 AND KEY SWITCH**
Cod. 16200030

ELECTRIC LOCKING DEVICES



**ELECTRIC LOCK FOR
OPERATORS WITHOUT
HYDRAULIC LOCK**
Cod. 16700030



**COUPLING PLATE FOR
SINGLE LEAF GATE
(HORIZONTAL)**
Cod. 16700025



**COUPLING PLATE
FOR DOUBLE LEAVES GATE
(VERTICAL)**
Cod. 16700020



**ELECTRIC LOCK
(VERTICAL)**
contac SEA USA

ACCESSORIES FOR SWING GATES

Positive stop for
Half Tank
Full Tank 100

Code 12710160

Positive stop for
Full Tank 200

Code 12710165

Positive stop for
Mini Tank
Contact SEA USA
for requests



Security box for
external release
code 12710010



Self carrying
box for Compact
400 with built-in
positive stops
code 12201005



Special key for
by-pass valves
code 66300119



Self carrying box
universal for
Compact 800 / 1600
code 12101009



Box for
Lyra 1600
code 66200055



Inground box for
Lyra 1600
code 66200080



Copper pipe
3,28 feet
code 12715020

Mounting Plate for
Hydraulic jack
code 16200055

ACCESSORIES FOR SLIDING GATES

SECURITY BOX FOR EXTERNAL RELEASE
(for Lepus and Orion)

code **12710010**



SINGLE CHAIN TENSIONER

code **12710075**



DOUBLE CHAIN TENSIONER

code **12710080**

PINION GROUP

code **12710040**



PINION Z 16 FOR GEAR RACK

code **16101010**

PINION Z 20 FOR GEAR RACK

code **16101015**

PINION Z 24 FOR GEAR RACK

code **16101070**



PINION Z16 FOR CHAIN

code **16101035**

PINION Z 20 FOR CHAIN

code **16101045**



SEA YELLOW OIL 1,32 GAL. PACKAGE
(ONLY FOR LEPUS AND ORION MODELS)

code **65000020**



SEA GREEN OIL 1,32 GAL PACKAGE

code **65000025**

FOUNDATION PLATE

For Lepus rack
For Orion rack
For Taurus rack

code **16200065**

code **16200095**

code **16200115**



ACCESSORIES FOR VELA SERIES

Balancing Springs for rectangular rigid beam

COD	DIAM	RIGID BEAM LENGTH	JOINTED BEAM LENGTH	BEAM WITH SKIRT LENGTH
16400005	5,5	6,56 feet	6,56 feet	-
16400008	6	8,2 - 9,84 feet	8,2 feet	6,56 - 8,2 feet
16400010	6,5	11,48 feet	9,84 feet	9,84 feet
16400015	7	13 feet	-	11,48 feet
16400026	8	14,76 - 16,4 feet	11,48 feet	13 feet
16400030	8,5	-	-	14,76 feet

Balancing springs for Vela Industrial

COD	ØDIAM	BEAM LENGTH
66400005	10,5	16,4 feet
66400010	11	19,68 feet
66400015	12	23 feet
66400020	12,5	24,6 feet

Balancing spring for Vela Rapid

COD	ØDIAM	RECTANGULAR BEAM LENGTH.	ROUND BEAM LENGTH
16400005	5,5	6,56 feet	6,56 - 8,2 feet
16400008	6	8,2 feet	9,84 feet
16400010	6,5	9,84 feet	-

BEAMS FOR VELA SERIES

Rigid beam for Vela

DESCRIPTION	CODE
Rigid beam 6,56 feet	11901020
Rigid beam 8,2 feet	11901025
Round beam 8,2 feet	11910025
Rigid beam 9,84 feet	11901030
Round beam 9,84 feet	11910030
Rigid beam 11,48 feet	11901035
Rigid beam 13,12 feet	11901040
Kit skirt 4,92 feet	12710089
Kit skirt 6,56 feet	12710090

Rigid beam for Vela Ind.

DESCRIPTION	CODE
Rectangular rigid beam 16,4 feet (beam 14.76 + support)	11905005
Rectangular rigid beam 19,68 feet (beam 18,04 + support)	11905010
Rectangular rigid beam 23 feet (beam 21,23 + support)	11905015
Rectangular rigid beam 24,6 feet (beam 23 + support)	11905020

Rigid beam for Vela Rapid

DESCRIPTION	CODE
Rigid beam 6,56 feet	11907020
Round beam 6,56 feet	11910020
Rigid beam 8,2 feet	11907025
Round beam 8,2 feet	11910025
Rigid beam 9,84 feet	11907030
Round beam 9,84 feet	11910030

ACCESSORIES FOR BARRIERS

Mounting plate
for Vela and
Vela Articulated

Code 16200050

Mounting plate
for
Vela Rapid

Code 16200086

Mounting plate
for
Vela Industrial

Code 16200085



Fork
support

code 16200100



Fork foundation
plate

code 16200045



External release
with 2 keys
for Vela
code 12710055

ELECTRONIC CONTROL UNITS for Hydraulic Operator

SLIDE PRO

Code 2300A110SU (control panel and small box)
 Code 2300A110SUR (replace unit) only board
 Code 2300A110SUSW (control panel with switch, plugs and large box)
 Available 220V



SLIDE STD

Code 2300B110SU (control panel and small box)
 Code 2300B110SUR (replace unit) only board
 Code 2300B110SW (control panel with switch, plugs and large box)

SUPPLY VOLTAGE
 CONTROL ACCESSORIES VOLTAGE
 TRIMMER REGULATION
 LOGICS SELECTION
 VISUAL CHEK CONTROL

115 Vac +/- 5%
 24V dc Max 300 mA
 open pause time-brake
 automatic-semiautomatic
 LED on all entrances

SWING PRO

Code 2302A110 (control panel and small box)
 Code 2302A110R (replace unit) only board
 Code 2302A110SW (control panel with switch, plugs and large box)

Available 220V

SUPPLY VOLTAGE
 CONTROL ACCESSORIES VOLTAGE
 TRIMMER REGULATION
 LOGICS SELECTION
 AUTOTEST
 REMOVABLE TERMINAL BOARD
 PIN HEADER CONNECTOR

115 Vac +/- 5%
 24V dc Max 800 mA
 motor run-open pause time-leaf delay in closing
 automatic-semiautomatic-safety-dead man
 chek entrance and exit by LED
 entrance and exit
 radio receiver-photocells-additional card



box 13" x 9" x 5"

NEW **SWING PRO2** (same features as SWING PRO plus slow-down for all hydraulic and inversion on obstacle) *End 2004.*

SWING STD

Code 2302B110 (control panel and small box)
 Code 2302B110R (replace unit) only board
 Code 2302B110SW (control panel with switch, plugs and large box)

Available 220V

SUPPLY VOLTAGE
 CONTROL ACCESSORIES VOLTAGE
 TRIMMER REGULATION
 LOGICS SELECTION
 PIN HEADER CONNECTOR

115 Vac +/- 5%
 24V dc Max 300 mA
 motor run-open pause time-leaf delay in closing
 automatic-semiautomatic
 radio receiver-photocells



box 13" x 9" x 5"

24 STD FOR TAURUS 24V

Code 23001154

SUPPLY VOLTAGE 115 Vac 50/60 Hz
 LOGICS SELECTION automatic-semiautomatic
 SPEED REGULATION - REVERSAL IN CASE OF OBSTACLE
 MANAGEMENT OF CONTROL, SAFETY, SIGNALLING DEVICES
 CONTROL OF EMERGENCY BATTERIES



ELECTRONIC CONTROL UNITS for Electric-Mechanic Operator

SLIDE MEC

Code 2303B110 (control panel)

Code 2303B110 SW (control panel with switch, plugs and large box)

SUPPLY VOLTAGE	115 Vac 50/60 Hz
LOGICS SELECTION	automatic-semiautomatic
MANAGEMENT	control, safety and signalling devices



24 PRO FOR VERG BARRIER / ORION 24V

Code 9340B110

SUPPLY VOLTAGE	115 Vac 50/60 Hz
LOGICS SELECTION	automatic-semiautomatic
SPEED REGULATION	- REVERSAL IN CASE OF OBSTACLE
MANAGEMENT OF CONTROL, SAFETY, SIGNALLING DEVICES	
CONTROL OF EMERGENCY BATTERIES	



PRE-WIRED ELECTRONIC CONTROL BOARD

3PW BOX (three loops detector) code 2302A110SW3PW

The version PW3 box has those features:

One 14 in. x 12 in. x 6 in fiberglass (large box 16 in x 14 in x 6 in on request) with ON/OFF switch and 115 V receptacle.

Two loop detectors wired plus a third loop detector wired as a "shadow" (intermediate).

While the operator motor is running, the shadow loop will detect. Once the motor shuts off (pause), the shadow becomes live. Located under the closed gate, the shadow works along with the order safety loops to protect the vehicle within the path of the gate during closing.

One control panel *SWING PRO* (115 or 230 VAC).

Wiring map indicating wire input.

Open/Hold-Open contacts provide the normally open input for phone, fireboxes or any other Open/Hold-Open devices.

A plug outlet for any 115 VAC accessories and tools (5amp max).

An ON/OFF switch controlling power to control panel, accessories and plug outlet.

One plug-in receiver.

A push button to set the control panel.

Wired for dual photocells safety - open and closed.

Motors to terminal strip.

All components are compliant to UL 325.

Spike Suppressor: 20000 Amps and near lightning protection with modular omni surge suppressor.

Internal dimensions: large box 16" x 14" x 6"
std box 14" x 12" x 6"



CONTROL BOARDS

	SWINGS		SLIDINGS				BARRIER
ELECTRONIC CONTROL UNIT	SWING STD	SWING PRO <i>SWING PRO2</i>	SLIDE STD	SLIDE PRO	SLIDE MEC	24 STD	24 PRO
Cod.	2302B110	2302A110	2300B110SU	2300A110SU	2303B110	23001154	9340B110
Type of operator	Mini-Tank	All hydraulic	Orion	Lepus	Taurus	Taurus 24V	Verg-Orion24V
Functioning logics*	A - E	A-E-S-UP	A - E	A - E	A - E	A - E	A - E
Reversal on obstacle		YES <i>only SWING PRO2</i>	YES	YES	YES	YES	YES
Pedestrian opening	YES	YES	YES	YES			
Photocells control in opening		YES					
Time control		YES					
Pre-flashing		YES					
Flashing lamp 230V with card	YES	YES	YES	YES	YES		
Flashing lamp 24V		YES				YES	YES
Leaf delay in closing	YES	YES					
Electric lock control		YES					
Pause time	0 to 120 sec	0 to 120 sec	0 to 120 sec	0 to 120 sec	0 to 120 sec	0 to 120 sec	0 to 30 sec 0 to 60 sec
Pin header connector for radio receiver	YES	YES	YES	YES	YES	YES	YES
Pin header connector for photocells autotest		YES					
Safety entrance		YES	YES	YES			
Emergency batteries control						YES	YES
Limit stop control			YES	YES	YES	YES	YES
Slow-down		YES <i>only SWING PRO2</i>				YES	YES

* A=Automatic logic; E=Semiautomatic; S=Safety logic; UP=Dead man logic.

TRANSMITTERS AND RECEIVERS

SEA Transmitters & Receivers

Self learning 433Mhz



SEA2
2 Ch. Transmitters
code 23110200



SEA4
4 Ch. Transmitters
code 23110200

Dip Switch 433Mhz

1 Ch. Transmitters
code SEAMM1

2 Ch. Transmitters
code SEAMM2

4 Ch. Transmitters
code SEAMM4

Receivers 433Mhz

1 Ch. Receiver plug-in
code 23112003

1 Ch. Receiver external box
code 23120013

2 Ch. Receiver external box
code 23120166

LINEAR Transmitters & Receivers

Transmitters 318Mhz

Linear block coded
1 Channel
code ACT-31B



Linear block coded
4 Channel
code ACT-34B



Linear block coded Delux
1 Channel
code ACT-21B



Linear block coded Delux
3 Channel
code ACT-22B



Receivers 318Mhz

Linear AP4



MULTICODE Transmitters & Receivers

Transmitters 300Mhz

Hand Held 300Mhz
1 Channel
code MCS308911



Receivers 300Mhz

Gate Receiver 24V
1 Channel
code MCS109930



TELEPHONE ENTRY SYSTEMS

LINEAR AE 500 *Commercial use*

Ruggedly built for everyday use
16 gauges brushed stainless steel front panel
Easy to read, easy to use-
recessed 12-button keypad with surround lighting
and 2-line-by-16-character, transfective, backlit
LCD
Many installation choices
surface or gooseneck mounting standard;
optional trim ring for flush or recessed mounting
Configuration flexibility
250 user capacity; local programming via keypad;
remote programming via standard web browser
or touch-tone telephone
Expandable with add-ons
keypad or transmitters



LINEAR AE 1000 *Commercial use*

Ruggedly built for everyday use
16 gauges brushed stainless steel front panel
Easy to read, easy to use
recessed 12-button keypad with surround lighting and 2-line-by-16-
character, transfective, backlit LCD
Many installation choices
surface or gooseneck mounting standard; optional trim ring for flush or
recessed mounting
Configuration flexibility
10,000 user capacity with Linear AccessBases 2000 software; 750
user capacity when programmed by standard web browser; local
programming via built-in modem
Network-ready
256 interconnected portals with Linear AccessBase 2000 software; 64
interconnected portals when programmed by standard web browser
Wide range of add-ons
keypads, card readers, remote receivers, Wiegand devices,
transmitters, and color video camera

TELEPHONE ENTRY SYSTEMS

LINEAR RE 1 *Residential use*

The RE-1 combine access control with traditional telephone entry. Voice prompts for visitor help and programming confirmation. Can connect to existing line or a dedicated line. 2 control relays.

Dials up to 3 remote numbers. Built-in radio receiver. 100 codes/100 transmitters. Built-in event log.

Built-in modem with local/remote DTMF or web browser based programming. Time zones for codes/Transmitters/do not disturbs. Field upgradeable CCTV camera. Add an AM-KP for a salve keypad.



SURGE PROTECTION KITS FOR GATE ACCESS

DITEK one 120Hw (protect the power line)

one 4LVLP-CR (protect all wires leading to the card reader or keypad)

DTK GPR1 one 4LVTEP (screw terminal device that protect the telephone entry panel "commercial use")

one 4LVLP-D (universal terminal strip device that protects the exit and safety loops and the data line on the gate panel from surges that are locally induced)

DTK GPR2 one 120Hw (protect the power line)

one 4LVXR (screw terminal device that protect the telephone entry panel "residential use")



SEA STAR 500 *Battery Back-up code 23105048*. Dimensions: 13" x 14" x 5"

This unit provides emergency back-up in case of a power failure. It also gives some protection from sudden voltage variations (up to 187 V) and employs filters to protect against mains input disturbances. The STAR 500 will allow an automation system to carry on functioning for up to: 130 cycles using the 12 Ah battery unit.



SEA SPIKE SUPPRESSOR Universal for all SEA electronic control units

20000 Amps and near lightning protection with modular omni surge suppressor. code call SEA USA



MAGNETIC GATE LOCK

G-LOCK FEATURES: Outdoor Housing, Conduit Connection, 12V or 24V DC Operation, 1200 lb. Holding force, Spring loaded plate for quick release. Dimension: 7" long, 2.5" wide and 1.5" high.

SUPPLEMENTARY POWER SUPPLY Code 23105010

PROXIMITY CARD READER

- PRX-320 (outdoor weatherproof card reader) - CARX -20 (encoded card for PRX-320)

APPLICATIONS:

- Stand-alone unit is appropriate for use on gates or doors where there is need for resistance to climatic conditions.
- Powered by 12V DC supply
- Can be used on solar installations
- Has the option of using a build-in contact for doorbell enunciators
- Use it as a keypad for some users and as a proximity card reader for others

TIMER

DTM-9 (Seven Day Programmable Electronic Timer) 12V DC, 24V DC/AC, 110V AC

FEATURES:

- Has a large display and control push-bottoms for easy operation.
- Has a back-up rechargeable battery for power outages or brown outs. The power input is protected by MOV and fuse.
- Has the flexibility to program six different events per week. The timer can also program each day individually or a block of days.
- Has wide power supply options and can be ordered in 24V AC or DC, 120V AC, 240V AC.
- Has manual override for ON or OFF operation.

KIT FOR ONE LEAF

KIT MINI-TANK FOR ONE LEAF

- 1 hydraulic operator MINI TANK
- 1 electronic control unit **SWING STD**
- 2 warning plate
- 2 photocells foto40
- 1 receiver 300Mhz or 433MHz
- 2 transmitters 300Mhz or 433MHz

Kit Mini Tank SC code 101SC2S0KS

Kit Mini Tank SA code 101SA2S0KS



KIT FOR TWO LEAVES

KIT MINI-TANK FOR TWO LEAVES

- 2 hydraulic operator MINI TANK
- 1 electronic control unit **SWING STD**
- 2 warning plate
- 2 photocells foto40
- 1 receiver 300Mhz or 433MHz
- 2 transmitters 300Mhz or 433MHz

Kit Mini Tank SC code 101SC2S0K

Kit Mini Tank SA code 101SA2S0K



KIT FULL-TANK FOR ONE LEAF

- 1 hydraulic operator FULL TANK
- 1 electronic control unit **SWING PRO**
- 2 warning plate
- 2 photocells foto40
- 1 receiver 300Mhz or 433MHz
- 2 transmitters 300Mhz or 433MHz

Kit Full Tank 100 Standard code 106AC3S0KS

Kit Full Tank 100 Fast code 106AC4S0KS

Kit Full Tank 200 Large code 107SB2S0KS

Kit Full Tank 200 Extended code 107AC4S0KS



KIT FULL-TANK FOR TWO LEAVES

- 2 hydraulic operator FULL TANK
- 1 electronic control unit **SWING PRO**
- 2 warning plate
- 2 photocells foto40
- 1 receiver 300Mhz or 433MHz
- 2 transmitters 300Mhz or 433MHz

Kit Full Tank 100 Standard code 106AC3S0K

Kit Full Tank 100 Fast code 106AC4S0K

Kit Full Tank 200 Large code 107SB2S0K

Kit Full Tank 200 Extended code 107AC4S0K



KIT HALF-TANK FOR ONE LEAF

- 1 hydraulic operator HALF TANK
- 1 electronic control unit **SWING PRO**
- 2 warning plate
- 2 photocells foto40
- 1 receiver 300Mhz or 433MHz
- 2 transmitters 300Mhz or 433MHz

Kit Half Tank 100 Standard code 104AC3S0KS

Kit Half Tank 100 Standard code 104SB3S0KS



KIT HALF-TANK FOR TWO LEAVES

- 2 hydraulic operator HALF TANK
- 1 electronic control unit **SWING PRO**
- 2 warning plate
- 2 photocells foto40
- 1 receiver 300Mhz or 433MHz
- 2 transmitters 300Mhz or 433MHz

Kit Half Tank 100 Standard code 104AC3S0K

Kit Half Tank 100 Standard code 104SB3S0K



WARNING: Positive stops are not included in the kits, they should be requested separately.

KIT WITH PRE-WIRED CONTROL BOARD

KIT MINI-TANK PRE-WIRED

- 2 hydraulic operator MINI TANK
- 1 pre-wired electronic control unit 3PW BOX
- 2 warning plate
- 2 photocells foto40
- 1 receiver 300Mhz or 433MHz
- 2 transmitters 300Mhz or 433MHz

Kit Mini Tank SC pre-wired code 101SC2S0KP

Kit Mini Tank SA pre-wired code 101SA2S0KP



KIT FULL-TANK PRE-WIRED

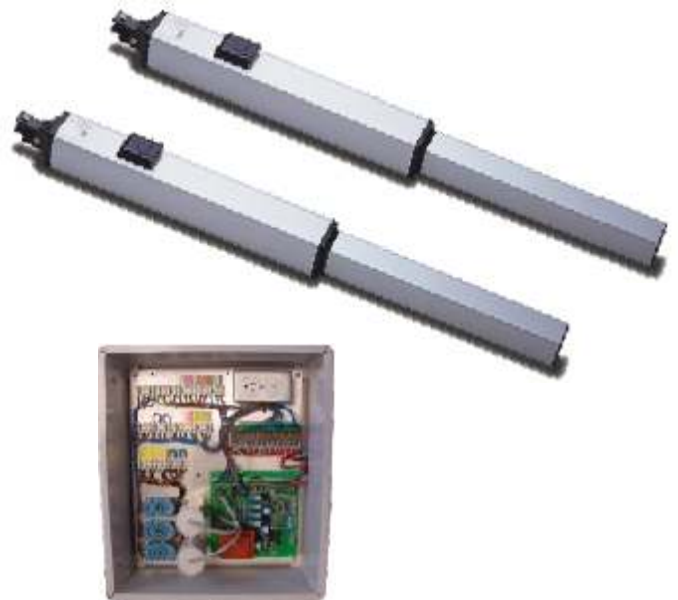
- 2 hydraulic operator FULL TANK
- 1 pre-wired electronic control unit 3PW BOX
- 2 warning plate
- 2 photocells foto40
- 1 receiver 300Mhz or 433MHz
- 2 transmitters 300Mhz or 433MHz

Kit Full Tank 100 Standard pre-wired code 106AC3S0KP

Kit Full Tank 100 Fast pre-wired code 106AC4S0KP

Kit Full Tank 200 Large pre-wired code 107SB2S0KP

Kit Full Tank 200 Extended pre-wired code 107AC4S0KP

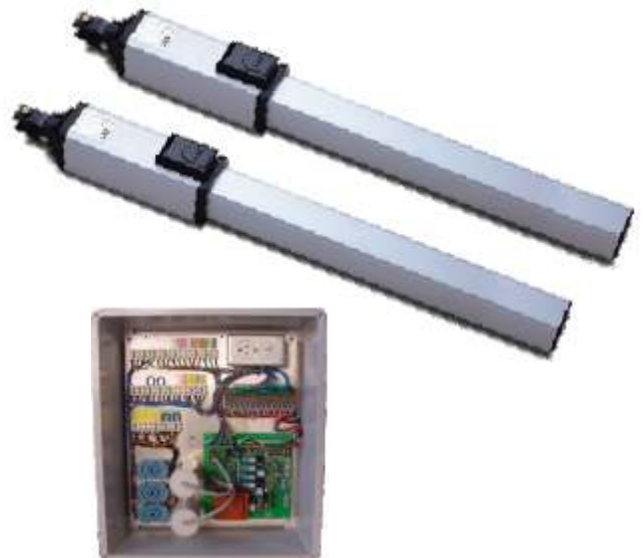


KIT HALF-TANK PRE-WIRED

- 2 hydraulic operator HALF TANK
- 1 pre-wired electronic control unit 3PW BOX
- 2 warning plate
- 2 photocells foto40
- 1 receiver 300Mhz or 433MHz
- 2 transmitters 300Mhz or 433MHz

Kit Half Tank 100 Standard pre-wired code 104AC3S0KP

Kit Half Tank 100 Standard pre-wired code 104SB3S0KP



WARNING: Positive stops are not included in the kits, they should be requested separately.

SELLING CONDITIONS

GENERAL INSTRUCTION. The systems must be assembled exclusively with SEA components, unless specific agreements apply. Non-compliance with the applicable safety standards and with good installation practice SEA from any responsibilities. SEA shall not be held responsible for any failure to execute a correct and safe installation, under the above-mentioned standards. SEA shall in no way be liable for any damage or other resulting from the installation of products not in conformity with UL 325 safety standards rules.

• **ORDER PROPOSAL.** The order shall be accepted only prior to relevant SEA approval. By signing the order proposal, the Buyer shall be bound to enter a purchase agreement, according to the specifications stated in the order proposal. On the other hand, failure to notify the Buyer of said approval must not be construed as automatic acceptance on the part of SEA USA, Inc.

• **PERIOD OF THE OFFER.** The offer proposed by SEA USA, Inc. or by its branch sales department shall be valid for 30 solar days, unless otherwise notified.

• **PRICING.** The prices in the order proposal are quoted from the Price List applicable as of the date the proposal was drafted. The discounts granted by the branch sales department of SEA shall apply only prior to acceptance on the part of SEA. The prices are for returns ex-works in Miami, not including VAT and special packaging. SEA reserves the right to change at any time its price list, providing timely notice to the sales network.

• **PAYMENTS.** The accepted forms of payments are each time notified or approved by SEA. The interest rate on delay in payment shall be 1.5% every month and, however, shall not be higher than the max. legally recognized rate, as well as any damage.

• **DELIVERY.** The delivery date shown in the confirmation-order is considered not binding for SEA USA, Inc. Any responsibility for damages caused shall be applied to SEA USA, Inc. for delivery delays. Product delivery time depends from the availability in the SEA USA stock.

• **COMPLAINTS.** Any complaints and/or claims shall be sent to SEA within 8 solar days from receipt of the goods, proved by adequate supporting documents as their truthfulness.

• **SUPPLY.** The SEA supply is strictly limited to the goods it manufactures, not including assembly, installation and testing. SEA, therefore, disclaims any responsibility for damage deriving, also to third parties, from non-compliance of safety standards and good practice during installation and use of the purchased products.

• **LIMITED WARRANTY.** SEA Hydraulic oil-bath motors are issued with a 36-months limited warranty from invoice date; the hydraulic oil-bath motor for Lepus is limited guaranteed 60 months from invoice date, in case of residential use, or 36 months in case of commercial use as specified in the warranty's document; SEA electromechanical motors, the SEA electronics and the control systems are limited guaranteed for 24 months from invoice date; stated warranties shall be valid as against manufacturing defects. All other products not manufactured by SEA and only commercialized by SEA, follow the limited warranty of their respective manufacturers. In the case of defective products, SEA USA, Inc. undertakes to replace free of charge or to repair the goods provided that they are returned to SEA USA, Inc. repair center. The definition of warranty status is by unquestionable assessment of SEA USA, Inc. The replaced parts shall remain property of SEA USA Inc. Binding upon the parties, the material held in warranty by the buyer, must be sent back to SEA USA Inc. repair center with fees prepaid, and shall be dispatched by SEA USA Inc. with carriage forward. The warranty shall not cover any required labor activities. The recognized defects, whatever their nature, shall not produce any responsibility and/or damage claim on the part of the Buyer against SEA USA and/or SEA s.r.l. The warranty is in no case recognized if changes are made to the goods, or in case of improper use, or in case of tampering or improper assembly. Furthermore, the warranty shall not apply if SEA products are partly or completely coupled with non-original mechanical and/or electronic components, and in particular, without a specific relevant authorization, and if the Buyer is not making regular payments. The warranty shall not cover damages caused by transport, expendable material, faults due to non-conformity with performance specifications of the products shown in the price list. No indemnification is granted during repairing and/or replacing of the goods in warranty. SEA USA Inc. and SEA s.r.l. disclaim any responsibility for damages to object and persons deriving from non-compliance with safety standards, installation instruction or use of sold goods. It is strictly intended that this limited warranty is valid only if the products are bought through the authorized distribution channels and does not extend to the final customer. The warranty does not apply in case of unexpected events, such as fire, flood, electrical power surge, wind storm, vandalism, lightning, and others. The extended warranties for Lepus is valid only if the SEA warranty documents, completely filled in, have been sent back by mail to SEA USA Inc. within 90 solar days from the date of invoice. If the above mentioned period of 90 days is not respected the all warranties are valid only for 3 years.

• **RESERVED DOMAIN.** A dose of reserved domain applies arising to the sold goods; SEA USA Inc. Shall decide autonomously whether to make use of it or not, Whereby the Buyer purchases property of the goods only after full payment of the latter.

• **COMPETENT COURT OF LAW.** In case of disputes arising from the application of the agreement, the competent court of law is the Tribunal of Miami.

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