

# SATURN 600 SATURN 1500 24V

ELECTROMECHANICAL OPERATOR FOR SLIDING GATES OF BIG GATE DIMENSIONS.  
GATES WITH MAX. 600KG WEIGHT ON SATURN 600  
GATES WITH MAX. 1500KG WEIGHT ON SATURN 1500



## Powerful, Reliable and Safe

- The Saturn is S.E.A. electromechanical operator for sliding gates and offers all the power and sturdiness you would expect from the S.E.A. range.
- Solid, die-cast pressure aluminium body, enables the Saturn to easily cope with very large gates of up to 1500kg!
- Oil lubricated gearbox extends the Saturns operating life beyond that of the competition!
- High quality, mechanical or induction limit switches for self learning of open/close cycles
- Manual release system with handle and security key in case of power failure.
- Optional security micro-switch on the release handle to disconnect the power supply in case of emergency.
- Electronic anti crush system gives the Saturn a reputation for safety.

## Secure, Silent and Robust!

- GATE 1 control unit mounted within the operator cover for ease of installation.
- Large cable access area underneath operator for ease of installation.
- Electronic Anti Crushing system comes with the GATE 1 control panel as standard
- Electronic slow down in opening and closing produces an accurate stop positioning system, with reduced loadings and smooth operation.
- Radio receiver included on the control panel as standard.
- Adjustable foundation plate in vertical and horizontal plains (optional).
- External release mechanism via a secure box available.
- Pedestrian operation available as standard.



Manual release system



Oil Lubrication



Induction limit switch

**When quality matters make sure it's SEA  
the engineers' choice!**

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# SATURN

Specifications	2000 OIL
Supply Voltage	230Vac+5% 50/60Hz
Motor Power	500 W
Opening Speed	10 m/min(z16)
Frequency of use	40%
Operating temperature	-20°C + 55°C
Operator Weight	14.5 kgs
Max. gate weight	2000 Kgs
Opening Degrees	-
Anti-crushing clutch	Electronic
Protection class	IP55
Starting Capacitor	25 •F
Max thrust	70 Nm

## CONTROL BOARDS Specifications

### Gate 1

- Management of a 230 Vac motor with or without limit switch.
- Automatic logic (4 modes), semiautomatic and step by step logics.
- Electronic slow down in opening and closing.
- Motor run time and pause open time regulation.
- Self-learning operating time for gates with limit switches.
- Self-test on photocells.
- Self-diagnostic system.
- Encoder management. (Safety Gate for swing gates)
- Diagnostic Leds on all outputs/inputs.
- Extractable connectors for ease of wiring.
- Integrated receiver compatible with radio transmitters SMART, HEADROLL and HEAD ECOPY series (800 users)

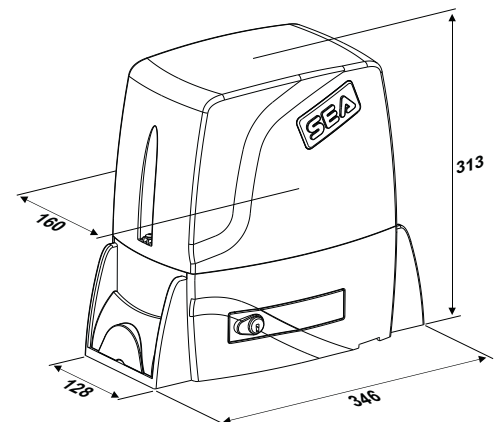
- Fully compatible with all SEA accessories.
- Compatible with most manufactures of audio and video intercom equipment.
- Digital code pads.
- Card reader systems, stand alone and computer linked.
- Time clocks and hold open switches.
- Induction loop free entry, free exit and safety.
- Photocell free entry, free exit and safety.
- Patented rubber mechanical safety edges.
- Vehicle recognition systems.
- Biometric identification systems.

### Gate 1 24V

- Management of one 24V motors.
- Electronic slowdown in opening and in closing.
- Motor speed adjustment
- Integrated 433 Mhz radio receiver compatible with SMART, HEAD, HEAD Ecopy radio control transmitters.
- Automatic current sensing for high level of safety (activates the motor in the opposite direction)
- Auto-test on photocell
- Pedestrian opening
- 24V Warning lamp
- Court yard and standard safety inputs
- Electronic lock control.
- Back up battery administration

## Dimensions

SATURN



### Accessories.

Loop detectors / Photocells / Key pads / Card readers / Transmitters & receivers/ Telephone entry systems / Audio and video intercom systems.

Vehicle recognition systems / Biometric recognition systems / Patented rubber mechanical safety edge / Time clocks / Hold open switches.

### Radio Control Photocell safety



### Combined Proximity Card or Radio transmitter system

