



Systems for
sliding gates



SEA[®]
electronic opening system

Saturn

1000 OIL · 1500 24V OIL · 2000 OIL

Gear motor
for condominium use



- Solid structure out of die -cast pressure aluminium body
- Allows to motorize sliding gates of big dimensions
- Strong , reliable and offering excellent value for money
- All SATURN Oil versions offer continuous oil lubrication of the gear for maximum durability
- High quality mechanical limit switch or inductive on requested
- Release systems with lever and lock with micro-switch in case of power failure. Optional external release with metal box
- Serial encoder for ease of compliance with European Safety Standards (except Saturn 1500 24V)
- Optional battery back up in case of power failure (only Saturn 1500 24V)
- Serial , two -disc mechanical clutch on all models (except Saturn 1500 24V)
- Aluminium base and painted box in ABS

Saturn

TECNICAL SPECIFICATIONS

Specification	Saturn 1000 OIL Saturn 2000 OIL	Saturn 1500 24V OIL
Supply voltage	230 Vac \pm 5% 50/60 Hz	
Motor supply	550 W / 750 W	150 W
Opening speed	9,5m/min (z16) - 11m/min(220)	
Frequency use	35-30%	60%
Max torque	55 Nm / 70 Nm	0 - 65 Nm
Operating temperature	from -20 °C to + 55 °C	
Weight	14 kg	14,5 Kg
Max weight of gate	1000 Kg / 2000 Kg	1500 kg
Anti-crushing clutch	mechanical / electronic	electronic
Protection class	IP 55	
Starting capacitor	12,5 μ F	-
Limit switch	mechanical / inductive	mechanical / inductive



Release with aluminium lever and lock. Micro switch for stop function



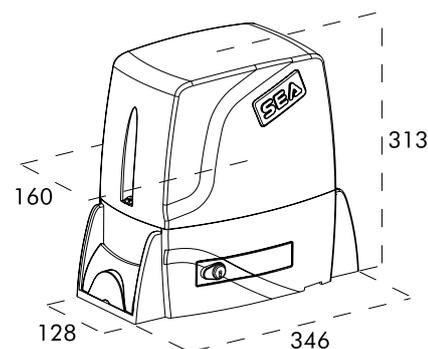
Oil bath lubrication of the gears for max duration

Gate 1 (Saturn 1000 and 2000)

- Management of one 230 Vac motor with or without limit switch
- Automatic logic (4 modalities), semiautomatic
- Adjustable slow down in opening and closing
- Motor torque adjustment
- Self-learning operating times
- Auto-test on photocells and auto-diagnostic
- Encoder management (also Safety Gate for swing gates)
- Diagnostic Leds on all outputs/inputs
- Extractable connectors
- Integrated radio decoding compatible with radio transmitters SMART, HEAD, COCCINELLA and SMART E-COPY (800 users) series with optional RF radio frequency module
- Administration 230V on board warning lamp with pre-flashing
- Limit switch entry (do not bridge if not used)
- Soft start, push over, reverse stroke
- Programming through PALM
- Connector for photocells WALL and SUNSET
- Courtesy lamp and control management
- Security edge and timer management
- Photocells in opening

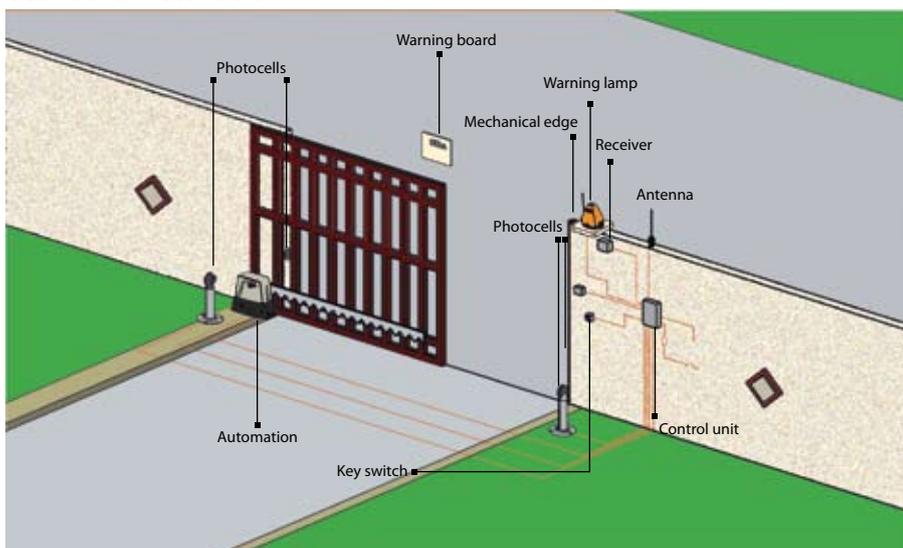
Gate 1 24V (Saturn 1500 24V)

- Administration of one 24 Vac motor
- Automatic, semiautomatic, step by step type 1, step by step type 2
- Adjustable slow down in opening and closing
- Anti-crushing intervention sensibility adjustment
- Motor speed adjustment
- Ammeter function for obstacles
- Working time self learning
- Auto-test on photocell
- Auto-diagnostic
- Auto-adjustment of the parameters varying with the time
- Diagnostic led on all in/output
- Warning lamp administration on board with pre-flashing
- Extractable connecting board
- Connector for plug in receiver SIGNAL (optional)
- Emergency battery administration (optional)
- Limit switch management
- Control lamp and courtesy lamp
- Connector for photocells WALL and SUNSET
- Pedestrian opening
- Stop, timer and photocells management
- Security reverser
- Option light / heavy gate



Dimensions (mm)

Standard installation



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