



SURF 250

230V ELECTRO-MECHANICAL SWING GATE OPERATOR

MAX GATE LEAF LENGTH **2.5M**

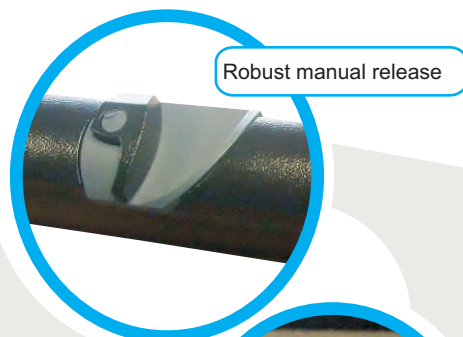
MAX GATE LEAF WEIGHT **250Kg**

CYCLES PER HOUR UP TO **35**

LOCKING **YES**



- **Electromechanical operator**, irreversible, 230V and 24V options.
- **Secure** hinged key lock system.
- **Adjustable mechanical** open and closed stops available.
- **Electronic and mechanical** stops included on the 350 version.
- **Single leaf pedestrian option** and **automatic closing** functions provided as standard.
- **Black finish** as standard - optional grey case available.
- **Engineered** to a very high standard to provide reliability & durability.
- **Electronic slow down** in both directions of travel, for smoothness of operation.
- **Adjustable operating speed** (24V version) to cater for a range of gate leaf sizes.
- **Fine sensitivity adjustment** for additional peace of mind.
- **Single leaf pedestrian operation** for security & safety.
- **Extended operator length** for ease of installation.



Robust manual release



Mechanical stops in open and closed position as standard on 350



Fully adjustable rear bracket

SEA
The Engineers'
Choice!

SURF

Specifications

250
350
350 24V

Power supply
Motor power supply
Max. power
Max. absorbed current
Stroke
Speed
Cycle/hour (operating temp. 20°C)
Operating temperature
Motor thermal protection
Max. thrust
Capacitor
Operator weight
Protection
Max. leaf length
Max. degree of opening

230V ~ 50/60 Hz		
230V ~ 50/60 Hz		24V
180 W		70 W
0.90 A		2.5 A
400 mm		
1.6 cm/s		Adjustable
35		70
-20°C +50°C		
130°C		N/A
2000 N		
6.3 uF		N/A
7.5 kg		7.8 kg
Ip44		
2.5 m	3.5 m	3.5 m
120°		

Gate 2 DG Control Panel

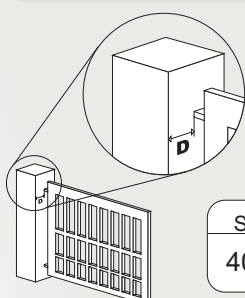
- Management of 2, 230Vac motors with or without limit switches
- Automatic logic (4 modes), semiautomatic and step by step logics.
- Electronic slow down in opening and closing.
- Motor run time and pause open time regulation.
- Self-learning operating time for gate with limit switches or encoder
- Self-test on photocells.
- Self-diagnostic system.
- Encoder management (Safety Gate for swing gates).
- Diagnostic dashes on all inputs.
- Extractable connectors for ease of installation.
- Integrated receiver compatible with radio transmitters SMART, HEADROLL and LADYBIRD series (800 users).

Compatible accessories

- Fully compatible with all SEA accessories.
- Compatible with most manufacturers 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.

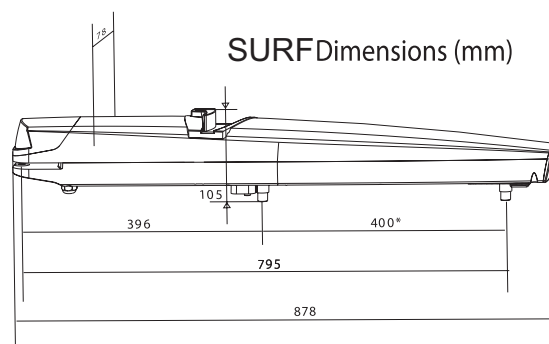
Accessories to Enhance your System:-

- Loop detectors
- Photocells
- Keypads
- Card readers
- Transmitters and receivers
- Telephone entry systems
- Audio and video intercom systems (wireless and cabled)
- Vehicle recognition systems
- Biometric identification systems
- Patented mechanical safety edges (wireless and cabled)
- Time clocks
- Hold open switches

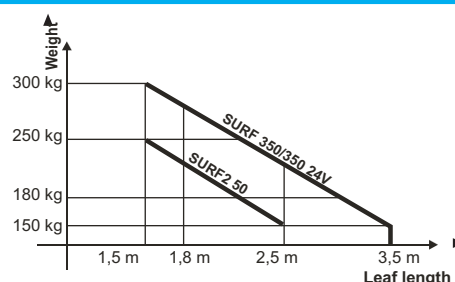


Stroke	D Max	D Max Recommended
400mm	240mm	140mm

SURF Dimensions (mm)



Gate leaf weight to length ratio



SEA SAFETY GATE:-

Patented reversing system for swing gates with a self learning movement sensor for additional safety.
En12453 & EN 12445 tested.



Battery Photocells

