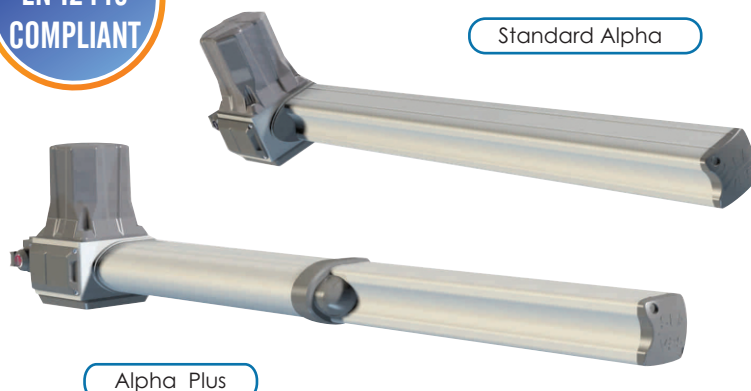


EN 12453  
EN 12445  
COMPLIANT

# ALPHA

ELECTROMECHANICAL 230V OR 24 V DC  
OPERATORS FOR DOMESTIC  
AND LIGHT COMMERCIAL GATES



Standard Alpha

Alpha Plus

## Easy to install, safe, strong and reliable!

- ALPHA is an electromechanical, irreversible mains or low voltage operator for domestic and light commercial use.
- Alpha 330 max leaf length 3.3 m. weight 330kg.  
Alpha 550 max leaf length 5.5 m. weight 550kg.
- The operators open gates up to an angle of 120°
- Simple lever operated manual release system, key operated version on the Alpha plus model.
- No need for physical stops; adjustable limit switches available on Alpha plus model.
- Bushed rear bracket with brass rear fixing bolt; fully adjustable non-weld rear bracket available.

## Elegant, safe and secure!

- Electronic slow down in both directions of travel for a smooth, elegant and reliable system of automation.
- Adjustable leaf delays in opening and closing to cope with any entrance orientation.
- Low voltage system available with battery back-up.
- Current sensing for the highest levels of safety and protection.
- Plug in radio control system in main control panel, with additional matching garage door operators and radio receivers available.
- Single leaf pedestrian operation and automatic closing systems, all provided on the control panel as standard.

Limit Switches (plus version only)

Key manual release  
on Alpha plus model

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

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# ALPHA

## Specifications

## Alpha / Alpha 24V

Supply Voltage	230Vac+5% 50/60Hz / 24 V dc
Motor Power	260 W / 70 W
Shaft Stroke	400 - 550 mm
Cycles Hour	20 / 40
Operating temperature	-20°C + 55°C
Operator Weight	9.0 - 9.5 Kgs
Max leaf length	3.3 - 5.5 mtr
Opening Degrees	90° - 120°
Stroke Speed	1.7 cm/sec
Protection class	IP54
Max leaf weight	300 - 500 Kg
Max thrust Force	250 - 350 daN / 250 daN

## CONTROL BOARD Specifications

### Gate 2 24V +

- Management of a 24 Vac motor with or without limit switch
- Automatic logic (4 modes), semiautomatic and step by step.
- Electronic slow down in opening and closing.
- Motor run time and pause open time regulation.
- Self-learning programming.
- Self-test on photocells.
- Self-diagnostic systems.
- Current sensing.
- Diagnostic Leds on all outputs/inputs.
- Extractable connectors for ease of wiring.
- Integrated receiver compatible with radio transmitters SMART, HEADROLL and HEAD ECOPIY series (800 users).

- 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.

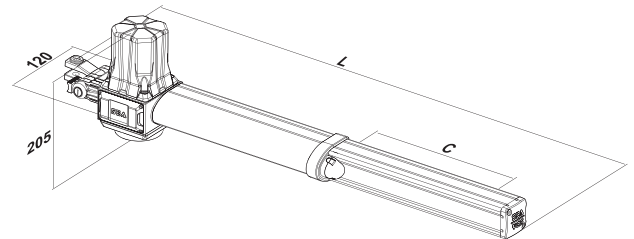
### Gate 2 (230V control board)

- Management of two 230 Vac motors with or without limit switch
- Four logic systems available semi-automatic, safety, step by step and standard automatic.
- Electronic slow down in opening and closing.
- Motor run time and pause open time regulation.
- Fully programmable leaf delay system in both opening and closing.
- Self-test on photocells
- Self-diagnostic systems.
- Encoder management. (Safety Gate for swing gates)
- Electric lock management.
- Diagnostic Leds on all outputs/inputs.
- Extractable connectors for ease of wiring.
- Integrated receiver compatible with radio transmitters SMART, HEAD ROLL and HEAD ECOPIY series (800 users).
- Optional control devices:-
  - Three different safety inputs as standard.
  - Pedestrian gate input.
  - Diagnostic functions.
  - End of travel limits and safety encoder movement sensing.
  - Stop circuits and flashing light system.

- 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.
- Electronic torque sensors for electromechanical operators.
- Compatible with most manufacturers automation. Optional display system.
  - Alphanumeric LCD display 2 lines of 16 letters.
  - Modify all program times.
  - 10 event safety system fault recording.
  - Customisation of logic functions.

## Dimensions in (mm)

ALPHA



	ALPHA 330	ALPHA 550
L	1060 mm	1220 mm
C	400 mm	550 mm

## Accessories:

Loop detectors / Photocells / Key pads / Card readers/ Transmitters & receivers/ Telephone entry systems / Audio and video intercom systems - wireless and cabled. Vehicle recognition systems / Biometric recognition systems / Patented rubber mechanical safety edge / Time clocks / Hold open switches.

Model	Stroke	D Max	D Max Recommended
Alpha 330	400 mm	165 mm	135 mm
Alpha 550	550 mm	255 mm	215 mm



SEA patented reversing system for swing gates.

Self learning movement sensor for additional safety.

EN 12445 compliant.



Battery Backup

