

ALCON

STANLEY®

Automatic SWING DOOR SYSTEMS



TECHNOLOGY, ENGINEERING & PERFORMANCE

For years, Stanley swing door operators have provided easy access and smooth traffic flow in high-traffic retail, commercial and industrial locations with unbeaten performance and reliability.

MAGIC FORCE OPERATOR

As the market demands change, the Magic Force™ Operator is designed to change right along with them. The operator is setting a new standard in the industry and taking our customers into the 21st century.

The Stanley Magic Force™ is a heavy-duty operator that is field adjustable for FULL ENERGY and LOW ENERGY applications. The operator is designed for impressively quiet performance and provides easy opening and positive closing under diverse conditions. The Magic Force™ operator will resist wind and stack pressure conditions to maintain smooth controlled operation. Spring strength is adjustable on site and the operator also features Magic-Touch™ activation.

The Magic Force™ operators open under power and spring close for maximum energy efficiency and will act as a mechanical closer for manual operation in the event power is shut off. In Low Energy mode the operator will stop or reverse upon physically encountering an obstruction. For high-risk areas (High Energy or Full Auto mode), the addition of "on door" safety sensors allows the operator to stop or reverse the door upon detection of an obstruction.

MAGIC SWING OPERATOR

For years, Stanley swing door operators have provided easy access and smooth traffic flow in high-traffic retail, commercial and industrial locations with unbeaten performance and reliability.

Magic-Swing® operators continue to set the standard for high reliability and smooth, quiet operation with our proven high-performance mechanics, advanced microprocessor controller and sensor systems that ensure safe operation at all times. Stanley microprocessor controller eliminates the need for moving parts, so it greatly increases uptime and reliability.

The heavy duty operator is suited for extreme environments applications and will provide safe pedestrian movement at all times when suitable activation and safety devices are installed.

Door forces and speeds generated during power opening and manual opening, in both directions of swing, as well as spring closing, are set to comply with safety standards.

MAGIC ACCESS OPERATOR

The Stanley Magic-Access® low energy operator can automate virtually any swing door, new or existing. Engineered to meet the most difficult applications, Magic-Access® effortlessly provides a full range of automatic door functions to an otherwise manual door.

The operating mechanism installs on the doorframe in place of a conventional closer and will automate most types of swing door, new or existing.

The state-of-the-art electromechanical operator works in conjunction with a sophisticated controller and a variety of activating devices. The end result is a quiet, smooth, automatic door control without compromising building traffic flow and architectural aesthetics. An unsurpassed record of proven performance under the most demanding conditions makes the Magic-Access® the operator of choice.

Magic-Access® Operators open under power and spring close for maximum energy efficiency and will react immediately to any obstacle, so an opening door will stop at any point in its swing cycle. The unit will act as a mechanical closer for manual operation in the event power is shut off.

The operator also offers the option of the Magic-Touch™ feature – a movement of 3 degrees automatically opens the door.



HEADER SIZE	152mm high x 140mm deep
SWING DOOR PANEL	up to 1220mm wide
DOOR PANEL WEIGHT	up to 160kg
DRIVE SYSTEM	3/16 HP DC motor, gear drive
CONTROLLER MC521	Solid state electronic with built-in reverse-on-obstruction and "Magic Touch" actuation
BREAKOUT	automatic reset - centre hung
POWER REQUIRED	240vac, 5 amps min.



HEADER SIZE	152MM high x 140mm deep
SWING DOOR PANEL	up to 1371mm wide
DOOR PANEL WEIGHT	up to 320kg standard up to 2270kg optional
DRIVE SYSTEM	1/4 HP DC motor, gear drive, ball screw actuator, rack & pinion
CONTROLLER MC521	Solid state electronic with built-in reverse-on-obstruction and "Magic Touch" actuation
BREAKOUT	automatic reset - centre hung
POWER REQUIRED	240vac, 5 amps min.

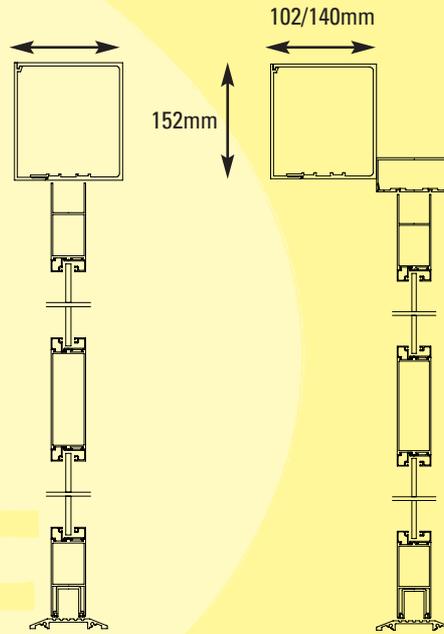


HEADER SIZE	152MM high x 102mm deep
SWING DOOR PANEL	up to 1067mm wide
DOOR PANEL WEIGHT	up to 57kg
DRIVE SYSTEM	1/8 HP DC motor, gear drive "low energy"
CONTROLLER	Solid state, electronic with built in reverse-on-obstruction and "Magic Touch" actuation
BREAKOUT	breakaway door stop available
POWER REQUIRED	240vac, 5 amps min.

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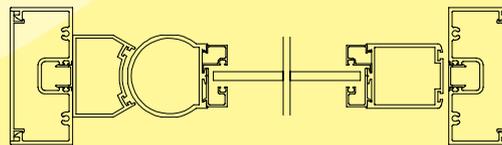
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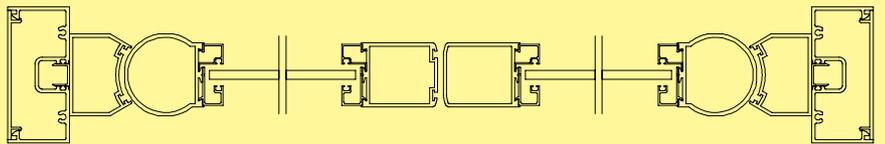


Inline operator

Faced fixed operator



Single swing aluminium door with finger trap protection system



Pair of aluminium swing doors with finger trap protection system



STANDARD ALUMINIUM DOORSET SPECIFICATION

The aluminium doorset is formed from non-thermal aluminium extruded box section. The outer framework is constructed from 100mm by 45mm box section and the door leaves are constructed with 55mm wide stiles and 100mm deep, top and bottom rails. Weather stripping is standard on door stiles and top and bottom rails.

All doors are fitted with a euro-cylinder operated hook lock and various manual and electronic locking options are also available. On pairs of doors, a top and bottom flush bolt are installed to secure the secondary leaf.

The doors are glazed with either 6.4mm clear laminated glass stamped with BS kite mark or with clear double-glazed sealed units (24mm). Tinted glass and solid infill panels are also available.

Aluminium swing doors are fabricated with "built in" finger trap prevention systems. "Low-level" aluminium tapered thresholds and midrails (130mm deep, to increase the strength of the door) are included. Standard pad handles, powder coated the same finish as the doors and colour contrasting nylon handles are available. Polyester powder coat finished to a standard RAL or BS colour is included. SAA and Bronze Anodised finishes can be supplied on request.

Outward opening external doors are often more vulnerable to variances in climatic conditions. To reduce the risk of damage, it is recommend that manual and automatic swing doors do not open beyond 90 degrees and installing a suitable barrier to protect the door should be considered.

MC521 CONTROLLER

The MC521 Controller Platform is a completely re-engineered controller for a new generation of Dura-Glide, Magic-Force and Magic-Swing automatic doors. This controller platform allows you to set up and tune an automatic door with greater precision and ease. Functions such as door type, motor type, handing, speed, hold-open delay, and more, are all set up by using a Palm Powered™ handheld computer. Push buttons on the controller board itself allow for a full range of adjustments even without the handheld computer. The Palm Powered™ interface includes a troubleshooting function that allows you to check statuses as well as input and output variables.



CONTROLS & ACTIVATION

Stanley automatic door systems can be operated by a variety of activation devices ranging from push buttons, sensors and access control, etc.

Our push button controls are available with large, easy to activate push plates. Hardwired or radio controlled push plates are available in a wide variety of finishes, sizes, profiles and logo choices. Switches may also be mounted on posts and barrier rails.

Activation sensors offer trouble-free opening of all types of automatic doors. They are sensitive to any movement of an object within the scan area.

Safety sensors mounted on the door leaf will protect pedestrians in and around the moving leaf of swing doors.

Telephone Door entry panels and systems supplied are designed to meet the requirements of the final part of the Disability Discrimination Act (DDA). Large permanently illuminated push button for the blind or partially sighted. Each panel also includes two bright indicator lights for the deaf or "hard of hearing". Extended panels are available for the wheelchair user.

Electronic keypads and proximity access control systems offer a simple but effective solution for protecting property against unwanted visitors.

Safety barriers to reduce the risk of side approach on swing door applications are also available.

All installations will be tailored to suit your requirements. The risk assessment will help determine the level of safety required on your automatic door.



MAINTENANCE

To ensure safe operation, long term reliability and working efficiency, a powered door installation should be regularly maintained by the powered door system authorized technician in accordance with the recommendations of BS7036:1996.

Because automatic door operators are electromechanical pieces of equipment and microprocessor controlled, we recommend they be serviced at least every six months from date of installation.

All parts supplied and installed by us are covered by a twelve-month warranty for faulty components (unless due to misuse, abuse or negligence, etc.) providing the doors are regularly serviced by an approved authorized technician.

IMPORTANT - SAFETY INFORMATION (BS7036)

The British Standard for safety at powered doors for pedestrian use (BS7036) states that:

The Specifier should ensure that equipment specified for a door installation conforms to the recommendations of the standard. At the design specification stage, the Specifier should seek specialist advice from, and work in close liaison with, the powered door manufacturers or their approved distributors. It is particularly important that the Specifier should establish predicted user requirements to enable account to be taken of the volume and type of pedestrian traffic (such as the elderly, the infirm, disabled persons and young children) that is likely to pass through the particular installation at different times of the day.



ALCON

Aluminium Contracts
Unit 4 Shilton Industrial Estate, Bulkington Road, Coventry CV7 9JY

Telephone: 024 7670 9292 Fax: 024 7670 9293
Email: pjr-alcon@btconnect.com
www.aluminiumcontracts.co.uk

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SV
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