



Next Doors Ltd

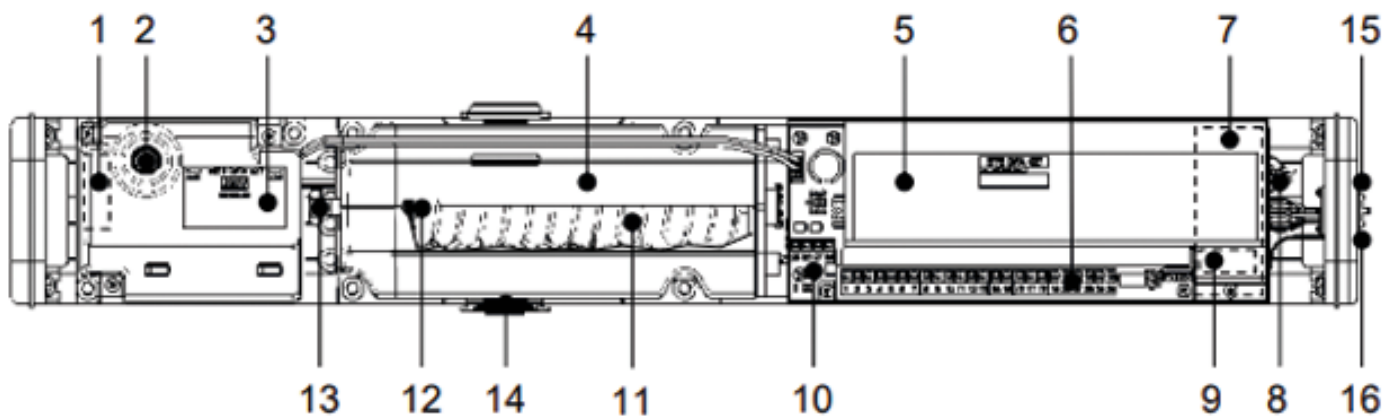
Automatic Aluminium Swing Doors

Contract Services Next Doors.com Ltd
Unit 3 Birchwood Trade Estate, London Rd, Swanley, Kent, BR8 7QD
Phone: 01322 663 106
Email: servicedesk@next-doors.com



WWW.NEXT-DOORS.COM

Automatic Swing Door Operator



Key to illustration:

1. Mains connection terminals	9. Slide switch S1 (rotation direction)
2. Fine-wire fuse	10. Multifunctional switch MF on STG
3. NET power supply	11. Closing spring
4. ATM drive unit	12. Vision panel, adjust, spring tension
5. STG control unit	13. Adjusting screw for spring tension
6. STG connection terminals	14. Connectors for arms (both sides)
7. Motor print MOT	15. Standard switch BDI
8. ATE drive unit terminals	16. Status signal and Reset button

Functions

Our Swing Door operator is designed to close without requiring electrical power. It can be effortlessly opened by hand and utilises stored spring energy to close, with movement controlled by the motor acting as a generator for smooth operation.

When connected to mains power, the motor assists both the opening and closing motions, ensuring seamless functionality.

For user safety, the following features are exclusively provided.

Collision Detection: If the door encounters an obstacle while opening, it immediately stops and records the impact position. After a brief delay, the system makes a short attempt to reach the fully open position. Once the delay period ends, the door closes. On the next opening cycle, it moves past the impact position cautiously in slow mode, preventing any further forceful collisions.






Reversing: If the door strikes an obstacle when closing, it is reopened immediately.

Automatic Swing Door Controller



Digital Display Pad

Our digital display pad is the most user-friendly control interface which has been designed to easily manage and configure automatic doors. It allows real-time programming, monitoring and adjustment of settings such as door speed and sensitivity, along with the ability to store multiple user preferences. Featuring clear digital readouts and diagnostic tools for quick troubleshooting, it ensures optimal door performance. Its intuitive design and flexibility make it ideal for various environments, offering easy access to settings and quick adjustments, enhancing both the user experience and operational efficiency in controlling automatic doors.

				
Automatic	One Way	Hold Open	Manual	Locked

Automatic Mode

The automatic mode allows the door system to operate seamlessly without manual intervention. In this mode, the door automatically adjusts its opening and closing cycles based on pre-set configurations, ensuring smooth and efficient operation. It optimises the door's performance by managing door speed, sensitivity and response times, providing a hands-free experience while maintaining safety and energy-efficiency.

One Way Mode

The one way mode is designed to control the door's movement in a single direction, typically for security or traffic flow purposes. In this mode, the door only opens in one direction - either to enter or exit - preventing any unintended back and forth movement. It ensures that the door operates efficiently and safely, allowing controlled access in environments with specific entry or exit requirements.

Hold Open Mode

The hold open mode keeps the door in an open position for an extended period, allowing continuous access without the door automatically closing. This mode is ideal for high traffic areas or when frequent passage is needed, such as in loading docks, conference rooms or during busy shifts. It ensures the ease of movement while maintaining the convenience of automatic door operation, and once the time expires or manual intervention occurs, the door will close safely.

Manual Mode

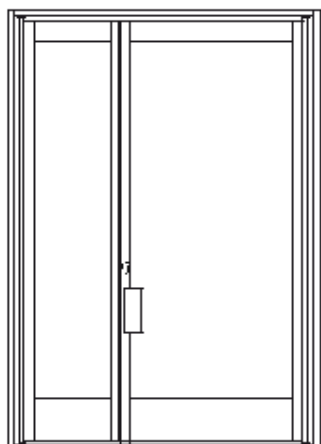
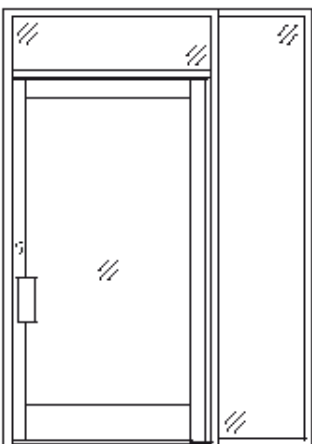
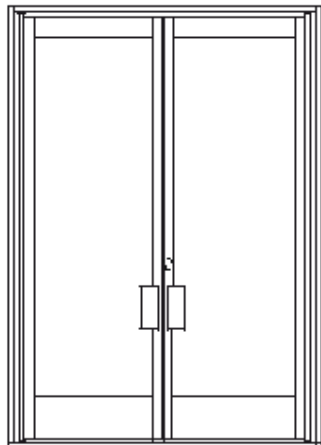
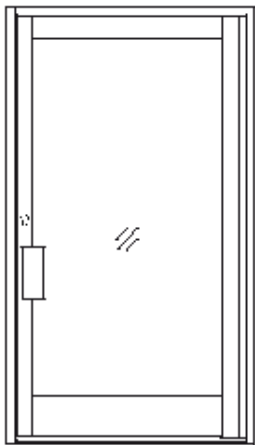
In manual mode, the door can be operated entirely by hand, bypassing the automatic function. This mode is useful for situations where the automatic system needs to be temporarily disabled or when manual control is preferred, such as during maintenance or when there are obstructions preventing automatic operation. In manual mode, the door can be easily opened and closed without the assistance of the motor, providing flexibility and control when needed.

Locked Mode

The locked mode disabled the door's automatic functions and prevents it from opening, ensuring the door remains securely closed - ideal for restricting areas during off hours or when security is required.

Automatic Swing Door Configurations

Swing doors offer a range of configuration options to suit different spaces and requirements, with the added flexibility of sidelights in either glazing or solid panels. For enhanced convenience, automatic swing doors provide hands-free operation, making them ideal for high-traffic areas where accessibility is key, such as hospitals, schools, and public buildings. Equipped with motion sensors, push buttons, or touchless activation, these doors can open in either direction to accommodate traffic flow. Available as single or paired doors, with inward or outward opening options, they can be constructed from aluminium, steel, or timber to complement any setting. If you have an existing door, automation may be an option—contact us to arrange a site survey and explore the possibilities.



Swing Door Operator Features

- ✓ DIN 18 650 compliant technology which is approved worldwide.
- ✓ Adjustable spring force, giving it great versatility.
- ✓ Adjustable settings to accommodate to specific requirements.
- ✓ Optimum power deployment in full swing area.
- ✓ The opening stop is integrated into the door drive system, meaning there is no hazard for pedestrians to trip over.
- ✓ No emergency power supply required to open the door.
- ✓ Practically silent operation.



Website

www.next-doors.com



Email

Servicedesk@next-doors.com



Phone

01322 663 106

Get in touch today

We understand that every project is unique, which is why we offer personalised quotes to ensure you get the perfect product and/or service.

Contact us for a free, no-obligation quotation designed to meet your exact requirements and specifications.

Technical Swing Door Information

General Specifications

Material:	Commercial Grade Aluminium
Door Type:	Single / Paired Swing Door
Opening Direction:	Inward / Outward
Frame Construction:	Mechanically Fixed
Finish Options:	Powder Coated to any standard RAL colour or can be Anodised

Hardware & Features

Handles & Locks:	Choice of a security hook lock, strike lock, euro cylinder, panic hardware, pull handle, full height poll handle, pad handle, cranked pull handle, half moon round handle, push paddle handle. Can also be integrated with access control systems.
Hinges:	Pivot round rear style
Safety Features	Safety sensors, finger guards, safety edges, battery backup and access control integration are all available if required.
Glazing Options:	Single or double glazed
Threshold Options:	None, ramp to ramp, ramp to square, square to square

Operation & Accessories

Automation Features:	Heavy duty swing door operator with full safety and activation sensors. Can also be connected into existing or new access control systems for operation
Door Closers:	Concealed door closer or dummy concealed door closer if automatic
Access Control Integration:	Can connect to new and existing access control and fire alarm systems.

Performance & Compliance

Weather Resistance:	Sealed on all four sides
Fire Rating:	No Fire Rating
Building Regulations:	Complies with all current UK building regulations

Warranties

Door & Frame:	5 Years
Automatic Operator:	12 Months
Powder Coating:	10 Years
Installation:	12 Months

Dimensions & Sizing

Standard Height:	2100mm - 2400mm
Standard Width:	1000mm - 1400mm
Frame Depth:	100mm

Bespoke sizing available



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