

9540IQ Series

Electromechanical Automatic Operators



Overview

The LCN® 9540IQ Senior Swing is a heavy-duty electromechanical swing door operator. Designed for a surface mount on single door applications, the 9540IQ is paired with a regular arm for a push-side configuration.

When activated, this operator provides a smooth and seamless opening experience to accommodate those with accessibility needs or a pedestrian with their hands full. The 9540IQ can also be operated manually for regular pedestrian traffic and includes both Power Assist and Push n' Go, which can be activated for an easy, smooth manual open.

AdaptivIQ™

This built-in technology allows our operator to automatically adjust to external pressures and resistance during both opening and closing cycles. Through a combination of dynamic braking, responsive motor control, and Smart Power Boost technology, our operator compensates for wind, carpet drag, and HVAC stack pressure, allowing the door to latch securely and minimize the risk of slamming.

Fully-Loaded Controller

With 23 total programmable settings all accessible through a user-friendly LCD screen, a self-calibration cycle that establishes default settings based on the physical aspects of the door and the opening area, and real-time error code and diagnostic information, this loaded control box provides users with complete control of our automatic operator.

Single-Person Mechanical Installation

Our motor gearbox and controller are each mounted to a specially designed hook-and-cleat, allowing them to simply hook onto the backplate to provide a hands-free holding option while each component is secured. Not only is this a simplified install, but it is also a much safer install and can reduce mistakes for less familiar installers.

Sleek Industrial Design

Designed to blend in as part of any environment, the rounded corners, sleek edges, and multiple finish options allow architects and end users alike to better curate their aesthetic vision without being interrupted by the necessary hardware.

Features & Benefits

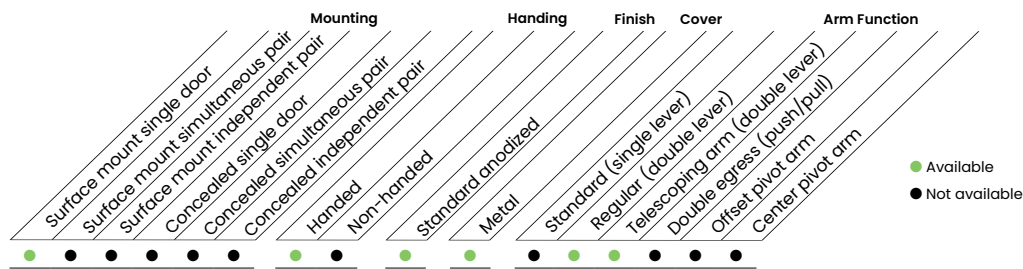
- Capability to operate and control doors of up to 600 pounds
- Power Assist and Push and Go to allow for easy manual operation
- Auto Reverse on Closing to minimize potential damage from obstructions
- Opening Speed and Force programmed separately for further customization
- Off/Hold-Open/Auto switch hidden outside the cover for easy yet discreet access
- On-board power supply (24VDC Output) to power actuators, card readers, and safety circuits
- Built-in support for up to four optional safety sensors

Features

Certifications	Grade 1 – ANSI A156.19, UL325, UL228, UL10C, UL1998, ADA, 100 Hour Salt Spray, CSFM, Meets BAA – Buy American Act
Handing	Handed
Door width	<ul style="list-style-type: none"> • Combined width min 33"– 48" • Single door - width per leaf 33" minimum to 48" maximum
Door weight	Up to 600 lbs
Warranty	2 years

Fasteners	Machine screws (MS)
Mounting	Single door, surface mount, offset pivot, butt hinge, push side
Arms	Regular arm Long arm Telescoping arm Telescoping long arm
Finishes/colors/ powder coat	<ul style="list-style-type: none"> • 628 – Aluminum, anodized • 710 – Dark bronze, anodized • 711 – Matte black, anodized
Cover	Metal cover (MC)
Power input	115VAC single phase @60Hz, 230VAC single phase @50Hz
Power output	2A @ 24VDC

Product Configurations



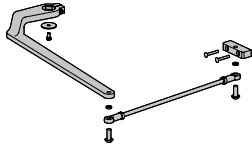
Note: Special Templates – Customized installation templates or products may be available to solve non-standard applications. Contact LCN Product Support for assistance.

User-Adjustable Features

- Opening Speed
- Opening Force
- Hold Open Delay
- Backcheck Speed
- Backcheck Angle
- Closing Speed of Door 1
- Latch Angle
- Smart Power Boost
- Smart Power Boost Angle
- Smart Power Boost Force
- Power Assist
- Power Assist Force
- Push & Go
- Alternate Action
- Auto Reverse on Closing
- Electric Lock Delay
- Preload Release
- DMSS Safety Action
- DMSS Safety Side Ignore Angle
- Actuator 2 Enable
- Audible Beep

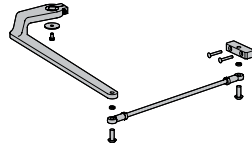
Accessories

Arms



9540IQ-3077
Regular Arm (REGARM)

- Handed
- A regular length, double lever, non-hold open arm for push-side applications.



9540IQ-3077L
Long Arm (LONG)

- Handed
- An extended arm for deep reveals or other special configurations on push-side applications.



9540IQ-3077TLS
Telescoping Arm (TLS)

- A regular length, double lever, non-hold open arm for push-side applications with a fully adjustable linkage assembly (no hacksaw required).



9540IQ-3077LNGLTS
Telescoping Arm Long (LNGLTS)

- An extended arm for deep reveals or other special configurations on push-side applications with a fully adjustable linkage assembly (no hacksaw required).

End Cap



9540IQ-3179
Rocker Switch Assembly

- This is an exterior Off/HO/Auto three-way rocker switch on the end cap of the metal cover. The switch is concealed from view, and is accessed by pulling the switch open from the end cap.



9540IQ-163-1
End Cap Cover Insert

- This cover insert is used to fill the end cap(s) that do not contain the Rocker Switch Assembly Insert.

Ordering Information

How to Order a 9540IQ Series Operator		
1	Choose operator	9542IQ
2	Motor gearbox	Standard
3	Controller	Standard
4	Metal cover	COV - Single door - 33" - 48" COV2 - Double door - 48.125" - 98"
5	Specify door opening width (jamb to jamb)	33" - 98"
6	Select arm	REG - Regular arm (standard selection) LONG - Long arm TLS - Telescoping arm LNGTLS - Telescoping long arm
7	Track	LESS - No track
8	Specify handing	RH - Right hand LH - Left hand
9	Voltage	115V (standard selection) 230V
10	Spindle center	2.75 (standard selection) 12.25 SPEC
11	Select finish	628 - Aluminum, clear anodized 710 - Dark bronze, anodized 711 - Matte black, anodized
12	Rocker switch assembly	SW - Yes NS - No

Operator will be shipped with:

- Motor gearbox mounting bracket
- Controller box mounting hooks (2)
- Machine screws
- Baseplate (manufactured at specified door width)
- Cover end cap kit (one left, one right, cover insert(s), fasteners)

Measuring Door Opening Width

