

2850IQ Series

Electromechanical Automatic Operators



Overview

The LCN® 2850IQ Senior Swing is a heavy-duty electromechanical swing door operator. Designed for a concealed mount on double door applications, this configuration is ideal for simultaneous double door operation and features two motor gearboxes with one controller. The 2850IQ can be mounted with either center or offset pivot arms, allowing flexibility for a variety of opening needs.

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 2850IQ 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.

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
- On-board power supply (24VDC Output) to power actuators, card readers, and safety circuits
- Built-in support for up to six optional safety sensors

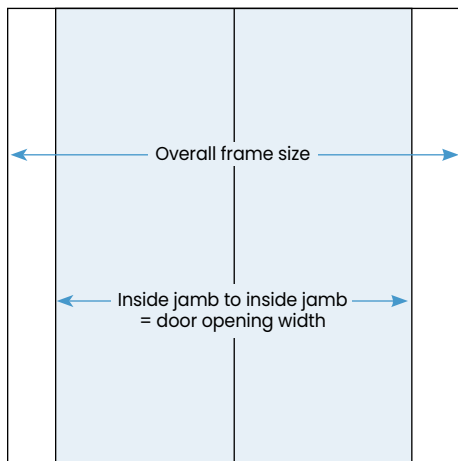
Ordering Information

| How to Order a 2850IQ Series Operator | | |
|---------------------------------------|---|--|
| 1 | Choose operator | 2853IQ |
| 2 | Motor gearboxes | Two standard |
| 3 | Controller | Standard |
| 4 | Concealed header | HDR2 - Double door header |
| 4 | Specify door opening width (jamb to jamb) | 52" - 96" |
| 6 | Select arm | STCP2 - Two center pivot arms STOP2 - Two offset pivot arms |
| 7 | Track (stops) | LESS - No stop (standard selection) BKY2 - Breakaway stop POS2 - Positive stop |
| 8 | Voltage | 115V (standard selection) 230V |
| 9 | Spindle center | 2.75 (standard selection) 3.75 SPEC |
| 10 | Select finish | 628 - Aluminum, clear anodized 710 - Dark bronze, anodized 711 - Matte black, anodized |

Operator will be shipped with:

- Motor gearbox mounting hardware
- Controller box mounting hardware
- Wood and machine screws

Measuring Door Opening Width



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