



Record 8100 Series

The preferred solution to satisfy
your application challenges



Your global partner
for entrance solutions

The Record 8100 Series Bridging Challenges with Innovation

At Record, we pride ourselves on consistently addressing various challenges encountered on job sites. Whether it's managing stack/wind pressure, seamless integration with locks, or handling non-standard doors, we've compiled a list of common issues observed in the field. Our solutions are embedded in the programming of our 8100 swing door operator.



Problem	8100 Solution	Details
External Winds or Air Pressure Changes Causes Door Operating Cycle to Not Be Constant	Motor with Integrated Brake	Precision Positioning: Achieve exact door positions with adjustable holding force and full open/close control. Wind-Resistant: Designed to perform reliably in areas prone to prevailing winds, ensuring stable operation. Energy-Optimized: Suitable for high energy environments, maintaining door performance even in challenging conditions. Cleanroom Compatible: Ideal for cleanroom settings, eliminating the need for mechanical locks. Emergency Response: Facilitates efficient evacuation routes, especially during smoke evacuation scenarios.
The ability to change the Power Open Spring Close scenario to the Spring Open Power Close in smoke evac situations	Inverse Feature	Functionality: Changes typical power open spring close scenarios to a fail-safe blow open operator. Emergency-Ready: Great for Smoke EVAC openings Independent power source: Does not rely on separate generator power to open. Integrated design: works in conjunction with the motor break to keep door closed.

Problem	8100 Solution	Details
Wind Stack/Changes in pressure prevents the door from securing at the fully closed position	Multiple Power Assist Close Settings	Diverse Customization: Software has seven different customizable power assist close settings to ensure door closes properly (Constant, Cumulative, Final Bang, Slowly Cumulative, Slowly Final Bang, Slowly Final Bang Harder, & Slowly Cumulative Harder). Versatile: Used in wind stack or positive pressure site conditions. Fire Safety Compliance: Used on fire rated openings. Enhanced Security: Used on security openings to ensure locking secures.
Doors being slammed open through wind or pedestrian traffic causing wear and tear on the operator	Electronic Back Check	Last-Degree Back Check: Electronically slows the door in the last few degrees of the opening cycle. Durability: Resist arm/spindle wear in abusive environments. Environmental conditions: Provides protection on exterior doors in windy environments. Compliance: Helps meet ANSI standards Speed Management: Controls the speed of opening.
Mag Lock and Strikes firing before the door is in the fully closed position	Adjustable Relock	Flexible Timing Control: Programming that allows the relock time on electric lock interface to adjust when door relocks. Versatile lock and relock angles: Three different lock and relock angles (Latch Check, Full Open, and Full Close). Mag Lock Safety: For mag lock situations it prevents the mag lock from relocking prior to door being fully closed. Enhanced High Security: Also, beneficial for high security doors providing a relock as soon as door hits back check.
Tying in and powering electric locks without adding external relays	Industries Most Versatile Electric Lock Relay	Handles most locking industry requirements. Can be Fail Safe or Fail Secure. Provides up to 500 Mil AMPs to power locking system. Multiple locking functions set within standard software. Lock only at night, Lock only in one way, Lock all the time.
Heavy/Oversized door panel that needs automation	Handles Extreme Door Weights	High Weight Capacity: Capable of operating doors up to 800 lbs. Specialty Hinges: Can be used with CAM LIFT hinges Blast Doors: Successful in automating Blast Resistant Applications. Lead Lined Door Compatibility: Capable of automating LEAD LINED doors with ease. Architectural Large Doors: Oversized, architecturally pleasing doors.
Opening force and closing force not within ADA compliance	Adjustable Spring Force	Installer Control: Allows installer to customize the amount of opening force. ADA Made Easy: Allows for easy ADA compliance with an adjustable force from 2 lbs to 15 lbs of opening force. Minimize the Bind: An increase in force will overcome the bind created by weather stripping and brush sweeps. Precise Customization: Separate preload and spring adjustments allows for differentiation.
Signaling, diagnostics, and programming operators without the need of multiple cables	Canbus	Advanced technology that allows signaling, diagnostics, and programming through the same wiring set up. Real Time Monitoring to meet ANSI standards for safety monitoring. Simplifies installation and reduces time required.
Keeps everyone safe and secure, where they are supposed to be	Patient monitoring system integration	The ability to lock a particular door when there is a threat of a baby or a patient leaving the unit. There is a dedicated lock monitor status on board. Immediate closing of door when tag is detected.



Record Canada

221A Racco Pkwy
Vaughan, ON L4J 8X9
Canada
T 877 348 6837
www.recorddoors.ca

Record USA

4324 Phil Hargett Ct.
Monroe, NC 28110
USA
T 800 438 1937
E info@recorddoors.com
www.recorddoors.com

Headquartered in Switzerland, the Record group sells its products and services across the globe and is directly present with subsidiaries in many countries.

Part of ASSA ABLOY