

DORMA Automatics

Swinging/Folding
Door Systems



The DORMA ED400 — Powerful, Reliable, Flexible, and Intelligent

Powerful

The DORMA ED400 full power operator is designed for demanding applications such as retail centers, airports, and health care facilities. Engineered for high traffic entrances and heavy-duty applications, the ED400 can handle doors up to 320 lb per door leaf.

Reliable

DORMA Automatics products are tested for one million cycles in climate-controlled test chambers that replicate severe weather conditions. A built-in power boost helps keep the door closed even when it is exposed to high wind or stack pressure buildup.

Featuring a state of the art microprocessor control, the ED400 has a fully enclosed motor gear box, while the concealed spring package provides powerless self closing. Virtually maintenance free, this unit provides smooth, silent door operation.

Flexible

This unit functions as either a low energy operator or a full energy unit and can be modified with the flip of a switch. These complete factory-engineered door systems meet all of the stringent requirements of ANSI 156.10, ANSI 156.19, and UL325, as well as NFPA 252 90 minute fire rating

when used with rated doors and hardware.

The ED400 operator is ideal for applications that require an ADA-compliant entrance. With a multitude of adjustable features, you have the flexibility to fine tune the door to meet your specific needs—all without the need for special tools or hand-held programming terminals.

In the event of power loss, the controller has fuse and electronic power-surge protection. This function allows the closing system to act like a door closer, providing easy manual operation.

Intelligent

This operator is built with the most technologically advanced encoder and microprocessor control, utilizing the most innovative user interface on the market today. The microprocessor is self-learning for the door weight and inertia, providing the smoothest operation. The controller has dedicated circuits and LED status indicators for up to five safety sensors, which means no more doubled up circuits or decreased performance. The easy 3-digit display allows you to monitor the performance of every function for easy diagnostic evaluation.





Integrated Features

- Optional power boost mode is built in to help keep your door closed when your application has a windy exposure or stack pressure build-up.
- Microprocessor control encoder motor has built-in diagnostics.
- Push-&-Go feature is selectable at your choice.
- Power assist opening self-engages whenever the door is pushed manually.
- Built-in lock delay eliminates the need for another expensive interface module.
- The safety touch feature initiates door reopening whenever an obstruction occurs during the closing cycle.
- A hard stop prevents wall damage, with an additional electronic stop that allows the door to be set at any desired angle.
- Indefinite hold open function allows for faster traffic control and fresh air.

Highly Adjustable

A multitude of adjustable features gives you the flexibility to customize the application to your specific needs.

- Full energy mode for high volume traffic areas such as retail stores, airports, and hospitals.
- Heavy-duty low energy mode for doors with higher traffic patterns requires ADA compliance without the need to change the springs.
- Inswing or outswing models are available in surface mount or overhead concealed.
- Single, double, or double egress door applications are all available.
- A built-in circuit allows for fire alarm integration and control.
- ED400 operator can handle doors up to 320 lb per door leaf.
- Handed door is field-adjustable as needed.

The DORMA ED1200 — Advanced Design, Wider Clear Opening, Versatile Application



Advanced design

DORMA introduces the advanced ED1200 Bi-Fold Door—another option for meeting your automatic door needs. The ED1200 combines proven mechanical design with easily programmable control units, creating a reliable, durable, easy-to-install door. The ED1200 Bi-fold Door uses the heavy-duty ED400 controller and operator as its drive platform. This strong, intelligent, and flexible platform ensures that the bi-fold doors operate smoothly.

Wider clear opening

The ED1200 Bi-Fold Door provides a wider clear opening than sliding or swinging doors—its easy breakout mechanism allows the

ED1200 to utilize the full door opening. The result is easy 2-way traffic for your building entrance.

Versatile application

The ED1200 is available for both interior and exterior surface applied applications. It features double weathering at lead and pivot edges and will continue operating in extremes of hot or cold.

Key Features

- Double weathering at lead and pivot edge.
- Finger protection at fold points and pivot points.
- Interior or exterior applications.
- Microprocessor control encoder motor has built-in diagnostics.
- Ultra-quiet motor gearbox.

- Available in surface-applied applications.
- Available in configurations that break out to the fold or non-fold side.
- A built-in circuit allows for fire alarm integration and control.

Integrated Performance Functions

- Opening Time: Adjustable from 2.3 to 5.0 seconds.
- Closing Time: Adjustable from 2.5 to 5.0 seconds.
- Hold Open Delay: Adjustable from 2 to 30 seconds.
- Power Hold Close: Extra closing force for stack pressure and wind conditions.
- Delay Before Opening: Adjustable from 0.0 to 3.0 seconds.



ED400-IG

DORMA Automatics Low Energy Operators

DORMA Automatics offers several products specifically designed for applications requiring low energy swing door operators. For more information, ask for the *DORMA Automatics Low Energy Operators* brochure.

ED700 Easy to install, the DORMA ED700 makes existing doors accessible. Every ED700 closer is custom ordered to meet application requirements.

ED400-IG The DORMA ED400-IG in-ground floor closer enables your application to meet access requirements and still maintain the desired architectural design.



ED700

The DORMA CD80 — The Ultimate in Low Profile, Innovative Design Swing Door Operators



Award-winning design

The DORMA CD80 is a sleekly styled swing door operator with an innovative, award-winning design. And because it operates so quietly, the CD80 is ideal for noise-sensitive locations such as offices and health care facilities. This swing door operator can be used in both new and existing applications.

Durable

DORMA Automatics has tested the CD80 under severe climate conditions to ensure consistent

performance. DORMA's rigorous testing subjected the CD80 unit's durable operation to over 500,000 cycles and to temperatures down to -40° .

Easy-to-install

The CD80 operator's low profile allows you to mount it to standard door systems. Its mounting plate drastically minimizes installation time—first you attach the mounting plate to the top jamb, then you simply latch the operator onto the mounting plate. The unit's low weight (approximately 20 lbs including the

mounting plate) allows you to fit the CD80 directly on to the top jamb without causing excessive hinge strain.

Power assist and extended hold open

Power Assist and an extended hold open function come standard. The extended hold open function allows the door to remain open at an adjustable angle for up to 10 minutes. This function is particularly well suited for use during loading and unloading operations or for ventilation purposes.

Integrated Features

- Smooth and quiet operation.
- Less than 3" header height.
- Non-handed operator with only two arm configurations.
- Easy interface with sensors, card-readers, and other devices.
- UL325 approved.





DORMA Entrance Systems™

Providing entrance systems that meet or exceed industry standards while maintaining architectural appeal.

DORMA Group North America



DORMA Automatics

A leading innovator of automatic door systems, DORMA Automatics offers products for practically any application: retail, health care, office buildings, airports, hospitality, and more.

Crane Revolving Doors

The choice of leading architects for commercial and institutional buildings, Crane Manual, Automatic, & Security Revolving Doors can be found in buildings worldwide.



DORMA Entrance Systems™
Pedestrian Flow, Safety & Security

DORMA Architectural Hardware
Providing Safety & Security Around the Door

DORMA Glas
Elegance, Versatility & Beauty

Modernfold
Sound & Space Management

DORMA Entrance Systems
924 Sherwood Drive
Lake Bluff, IL 60044

Toll Free: 877.367.6211
Fax: 877.423.7999

Email: automatics@dorma-usa.com
www.dorma-usa.com

©2010 DORMA Group North America
DORMA is a registered trademark of
DORMA Properties, Inc.

Printed in U.S.A.