

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

The advanced DORMA ED1200 Bi-Fold Door is 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



Green Design & Performance

The ED100/ED250 operators reflect DORMA's commitment to the environment in both manufacture and performance. Each unit is smaller and lighter than previous swing door operators. Lower weight in turn reduces the amount of energy required for shipping. Once installed, the ED100/ED250 helps to minimize heat loss due to doors closing improperly.

ED100 & ED250 — Low Energy/Full Energy Compact Swing Door Operators

The DORMA ED100 and ED250 are compact next generation electromechanical swing door operators that are innovative, simple, and elegant.

Innovative

- State-of-the-art micro-processor motion control system continuously monitors and controls the door through the entire cycle.
- Wind load control and power boost options ensure safe and secure opening and closing in changing conditions.
- Optimized settings for primarily manual or automatic use.
- Advanced automatic power assist combines minimal push forces (as low as ANSI size 1) with reliable closing.
- Modular design allows new applications to be added and adjustments made post installation without replacing the operator.
- Integrated connections for safety sensors and other accessories.

Simple

- The ED100/ED250 operator is exceptionally easy to install. The low-profile height (less than 3") makes installation easy and minimizes modifications to adjacent work.
- The universal design allows the same operator to be used for any hand of door.
- Mounting plate installation provides a simple one-person install process with easy electrical hookup and without heavy lifting.
- Modular concept and intelligent coordination make it simple to field-fit the operator to any application, single or pair.
- Fully integrated electronics and optional mechanical coordinator minimize the need for extra devices.
- Simple configuration with on-board electronics and easy-to-install design make the system fast to install and easy to maintain.

Elegant

The compact ED100 and ED250 operators are discreet both visually and audibly. Their elegant Contur design blends into and enhances any décor. With virtually silent operation, the automation of the door can be easily integrated without compromising the style and feel of the entrance.

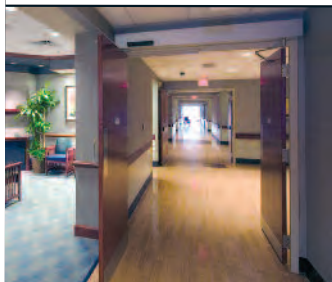
- DORMA ED100: for doors up to 220 lb (100 kg)
- DORMA ED250: for doors up to 550 lb (250 kg)
- Dimensions: 27" long × 2-3/4" high × 5-1/8" deep
- The operators can be installed as push versions with standard arms or pull versions with a slide channel.





DORMA Entrance Systems™

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



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 Americas

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

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