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DORMA Automatics

Advanced
Automatic
Door Solutions



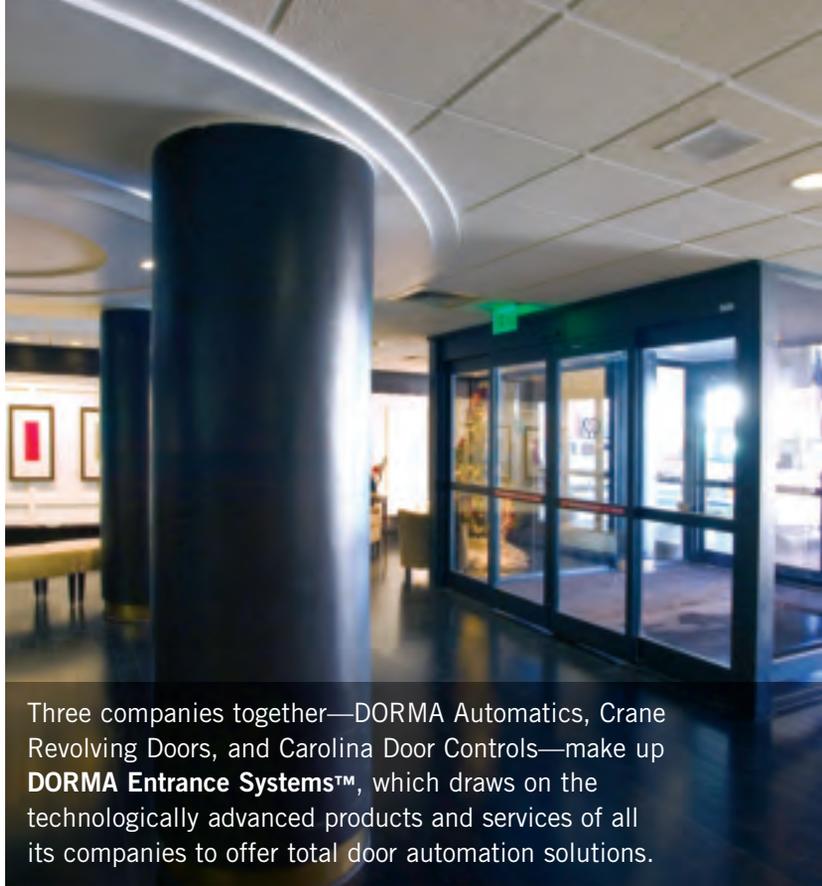
DORMA Automatics — Advanced Automatic Door Solutions

DORMA Automatics is a leading innovator of automatic door systems, offering entrance solutions for practically any application—retail, healthcare, office buildings, airports, hospitality, and more.

DORMA Automatics sliding and swinging door systems cover a wide range of applications and finishes. Fine design, custom systems are available for prestigious, high end projects, while more standard systems meet the needs of value-driven applications.

Each product offers exclusive features such as an advanced microprocessor controller for precision performance and long-lasting reliability. A variety of sensors—all engineered to provide optimum safety—are available to meet every application.

DORMA Automatics' partner company Crane Revolving Doors offers both manual & automatic revolving doors. These doors are ideal for high traffic applications requiring simultaneous entry and exit, controlled access, or an airlock to help control energy costs.



Three companies together—DORMA Automatics, Crane Revolving Doors, and Carolina Door Controls—make up **DORMA Entrance Systems™**, which draws on the technologically advanced products and services of all its companies to offer total door automation solutions.

DORMA ESA — Stylish, Durable, and Powerful

The DORMA ESA-HP Hurricane-Resistant Doors



Sliding doors for withstanding nature's wrath

As one of the most intelligent, efficient, and technologically advanced automatic doors on the market, the ESA provides strength, beauty, and technology all in one package. Powerful ESA doors are strong enough to operate door panels weighing as much as 350 lb. And a continuous self-monitoring control system adds an extra measure of safety and efficiency.

The DORMA ESA Telescopic



Automatic telescopic sliding doors driven by proven ESA technology

The impressive, low-profile header is 4.5" x 7.5", providing a smooth clean look without horizontal ridges to detract from the door's appearance. This header provides a flush sightline which doesn't protrude into the environment, creating a sleek appearance. In addition, DORMA uses a minimum .125 header thickness—creating one of the strongest headers in the industry. Capable of a 16' horizontal span, the header is self-supporting with no additional reinforcement needed.

Another exclusive feature from DORMA Automatics is a sound-dampening track. An extruded



DORMA ESA400

EPDM rubber profile, located beneath the replaceable aluminum track, muffles sounds caused by friction from door carrier rollers. It reduces operational noise to a mere whisper and stops vibration resonance that can be transferred to building structures.

Two ESA styles are offered for elegant and upscale applications: Fine Frame and Monumental. The Fine Frame style is a perfect marriage of beauty and functionality, combining full view aesthetics with excellent weather-sealing qualities. The ESA Monumental style utilizes stainless steel or polished bronze. Custom welding eliminates seams and ensures a beautiful appearance for the lifetime of the door.

DORMA ED400 — Powerful, Reliable, Flexible, and Intelligent

The ED400 Full Power Operator is designed for demanding applications such as retail centers, airports, and healthcare facilities. Built for high traffic entrances and heavy duty applications, it can handle doors up to 320 lb per leaf.

DORMA Automatics tests its products for one million cycles in climate controlled test chambers. A built-in power boost helps keep the door closed when 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. The virtually maintenance free unit provides smooth, silent door operation.



Cutting edge ED400 technical platform

Built with the most technologically advanced encoder and microprocessor control, this operator employs 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 three-digit display allows you to monitor the performance of every function for easy diagnostic evaluation.



DORMA ED1200 Bi-Fold Door

The ED1200 Bi-Fold Door combines proven mechanical design with easily programmable control units, creating a reliable, durable, easy to install door. The ED1200 uses the heavy duty, strong, intelligent, and flexible ED400 controller and operator to ensure that the bi-fold doors operate smoothly.

The ED1200 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.

Available for both interior and exterior surface applied applications, the ED1200 features double weathering at lead and pivot edges and will continue operating in extremes of hot or



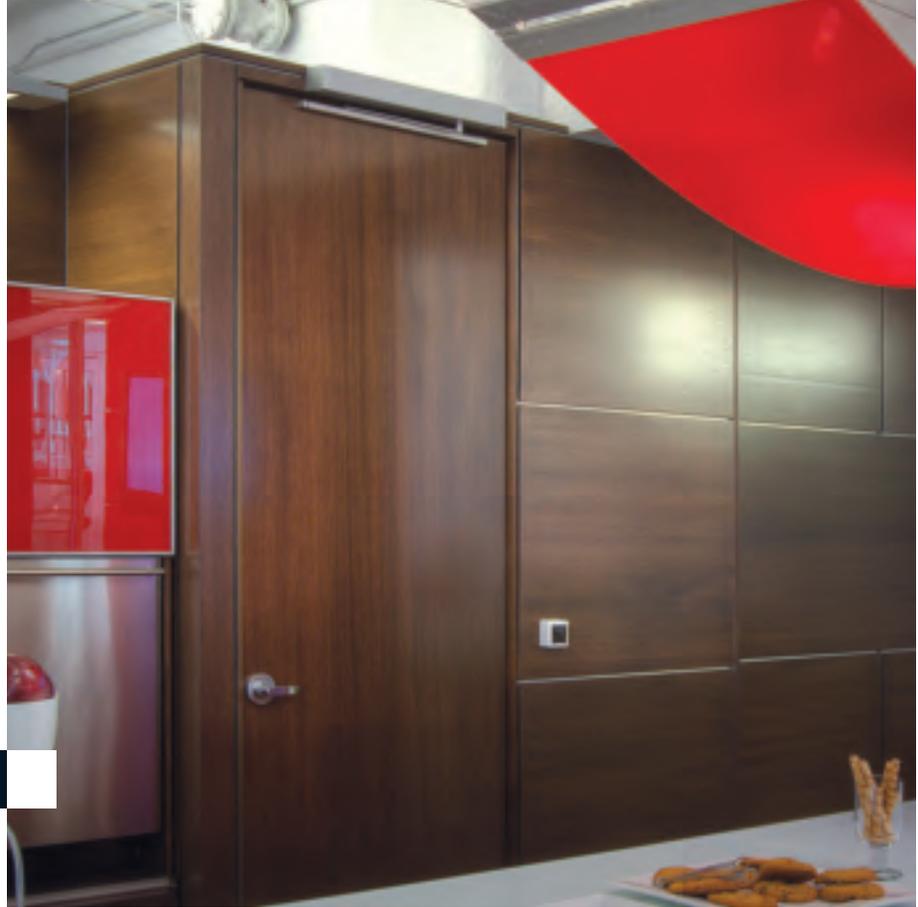
cold. The ED1200 Bi-Fold Door is available in configurations that break out to the fold or non-fold side. A built-in circuit allows for fire alarm integration and control.

DORMA CD 80 Low Profile Operator



The DORMA CD 80 is a sleekly styled swing door ideal for noise-sensitive locations such as offices and health care facilities. DORMA Automatics has tested the CD 80 under severe climate conditions to ensure consistent performance—rigorous testing subjected the CD 80 unit's durable operation to over 500,000 cycles and to temperatures down to 40° below 0°.

Easily mounted to standard door systems, the operator simply latches to a mounting plate attached to the top jamb. The operator keeps the door open at an adjustable angle for up to 10 minutes.



**The ultimate in low profile, innovative design
swing door operators**

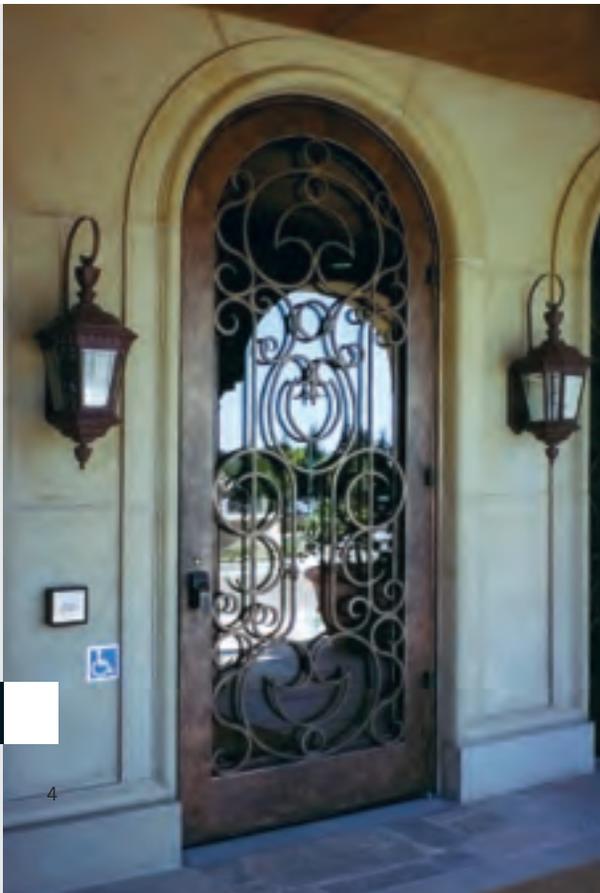
DORMA ED400-IG Automatic Floor Closer

For applications that require meeting access requirements while at the same time maintaining a classic look—such as an arched door or an all-glass façade—DORMA introduces the ED400-IG. This revolutionary new operator conceals the automatic components in the floor near the door threshold.

The ED400-IG functions in either low energy or full power mode, and can be used in both new construction and retro-fit applications. DORMA partnered with Opcon Manufacturing

Systems to construct a closer that directs the energy generated by the ED400 drive unit to the pivot in a rotating motion that allows consistent, smooth operation.

The install box that stores the operator is completely weather proof and is only 7" deep. All ED400 operator functions, such as Push & Go, Power Close, and Lock Interface, are fully available in this application, which DORMA is nonetheless able to offer at a value-conscious price.



DORMA ED700 — Smooth, Quiet Operation and Elegant Slimline Design



For applications requiring barrier-free access, the DORMA ED700 is the perfect solution. Simple and easy to install, the ED700 provides many features and functions to make existing doors easily accessible.

The DORMA ED700 is a universal model for surface mount applications. Its “one unit fits all” design matches all common applications for outswing and inswing doors, either with push arm or slide track arm for tight side clearance.

The operator is non-handed. It can be easily modified in the field to be installed on either right- or left-handed doors.

Extruded aluminum covers in custom lengths are available to match aesthetically with the door frame.

The ED700 may be used for door widths up to 48" (1220 mm) and a maximum weight of 200 lb (91 kg). For best accessibility, the operator can open the door up to an opening angle of 110°.

DORMA ED1400 Low Energy Balanced Door

DORMA introduces the ED1400 Low Energy Balanced Door. Balanced doors are known for smooth operation, wind stack advantages, and monumental styling.

The DORMA ED1400 automatic balanced door is constructed with premium-grade aluminum extrusion and is precision-assembled to the highest standard.

The automatic operator uses the DORMA ED400 as its controller for the opening function while the closing function is augmented by a manual hydraulic operator. Combining both systems ensures super smooth operation in both automatic and manual mode.



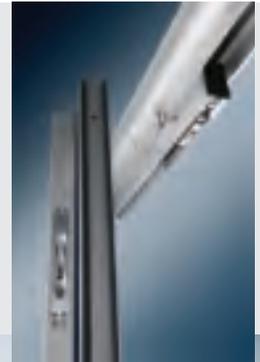
There are a number of sizes and options to choose from, with the base unit size being 7'-0" x 3'-0". In addition to clear and dark bronze aluminum, we also offer over 20 special anodizing finishes and literally countless colors of painted finishes.

DORMA ICU — Adaptable Space Separation

The DORMA ICU allows for continuous observation of patients, while allowing quick and easy access during emergency conditions.

DORMA ICU doors are available in a wide range of sizes, configurations, and finishes. Single, biparting, or telescopic doors are available with either two, three, four, or six panels. A recessed track or trackless guide system allows for smooth operation.

Standard features include premature breakout prevention, remote panel status monitoring, and electrostatic discharge grounding, to protect sensitive medical equipment from static electricity.



DORMA Entrance Systems™



DORMA Automatics • Crane Revolving Doors • Carolina Door Controls

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, & 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.



Carolina Door Controls

Providing sales, installation, and service for automatic doors.



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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