



EXIT

DORMA
LOW ENERGY
OPERATORS



ED700 LOW ENERGY OPERATOR

Barrier-free Access



The DORMA ED700 Low Energy Operator is the perfect solution for barrier-free access applications. Simple and easy to install, the ED700 provides many features and functions to make existing doors easily accessible.

The DORMA ED700 is custom ordered to match the application. All common applications for outswing and inswing doors—either with push arm or slide track

arm for tight side clearance—can be adapted for barrier-free access.

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°.



Features

- Slide track arm available for inswing applications.
- Full length header available on request.
- 5.5" W x 5" H Extruded Aluminum Header (140 x 127 mm).
- For inswing & outswing doors.
- Scissor-arm for inswing & outswing applications.

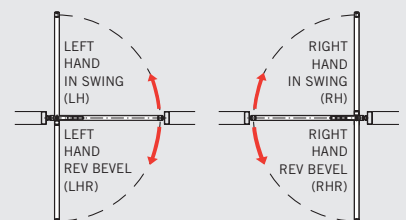
Finishes

- 204-R1 clear anodized.
- 313-R1 dark bronze anodized.
- Special finishes available (custom anodized, paint, architectural metal cladding).

Standards

- ETL listed for US and Canada (UL325).
- Full compliance with ANSI A156.19 – American National Standard for Power Assist and Low Energy Power Operated Doors.
- Full compliance with the Americans with Disabilities Act of 1990.
- NFPA 252 90 minute fire rating when used with rated door and hardware.

Door Handing Definition



AS VIEWED FROM EXTERIOR

CUTTING EDGE TECHNOLOGY

ED700 Features & Functions

Settings and Adjustments

All major adjustments are easily accessible on the control unit allowing correct settings for varying door and pedestrian requirements. Main adjustments are as follows:

- Open speed.
- Time delay (hold open time, 1–30 seconds).
- Close speed.
- Open check speed.
- Open force.

Electrical Requirements

- 120 VAC, 50/60 Hz, 5 A minimum.

Options for Activation

- Pushbutton (momentary actuation opens door; time-delayed closing).
- Internal Push-&-Go (Slight push of door will initiate powered door opening).
- Card Readers.
- Power Assist.
- Remote Controls.

3-Position Door Control Switch

- OFF (easy manual operation).
- ON (low energy mode operation).
- OPEN (door fully opens and remains).

Built-in Power Supply for Sensors

Optional Accessory Interface

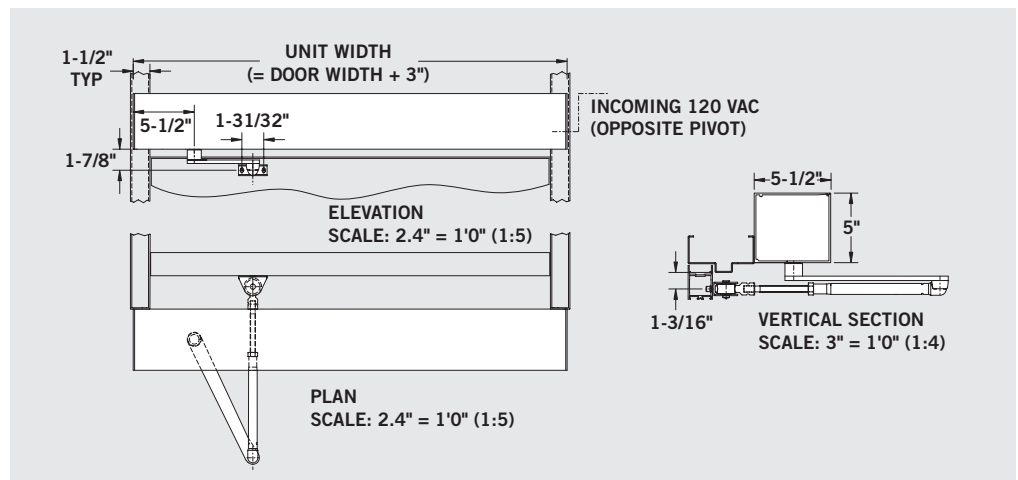
- Motion sensor (door opens and remains until sensor zone clears; time-delayed closing).
- Presence sensor (swing area protection; prevents closed door from opening/open door from closing).
- Built-in lock-out function and support for dual-state overhead safety sensors.
- Door-Mounted Sensors (Approach/Door Open; Swing Side/Door Inhibit).



ED700 Configurations

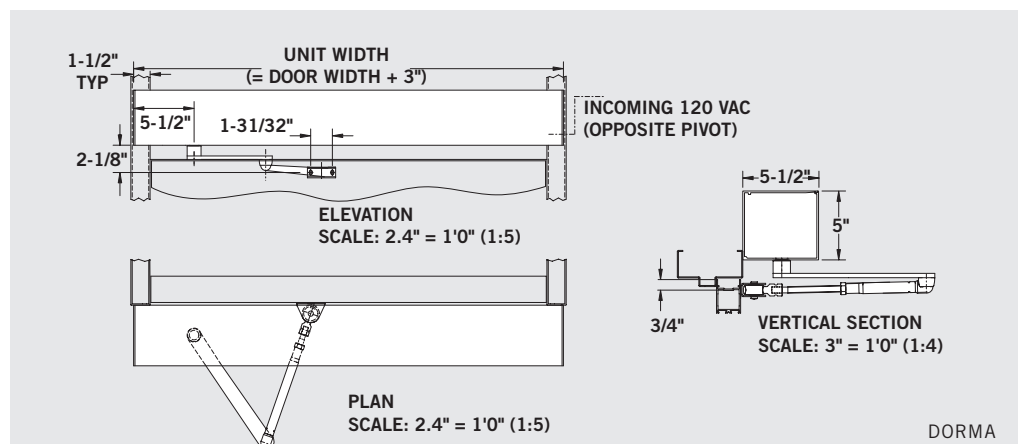
Surface Applied Outswing Scissor-Arm (Push Application)

Surface applies the operator to the door frame with a push arm assembly attached to the top door rail.



Surface Applied Inswing Scissor-Arm (Pull Application) (Standard)

Surface applies the operator to the door frame with push arm assembly attached to the top door rail.



ED400-IG CONCEALED IN-GROUND FLOOR CLOSER

Dual Mode: Low Energy or Full Power



DORMA offers the ED400-IG Automatic Floor Closer for applications that need to both meet access requirements and maintain a classic look, such as an arched door or an all-glass façade. This revolutionary 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 retrofit applications. DORMA partnered with Opcon Manufacturing Systems to construct this closer, which directs energy generated by

the ED400 drive unit to the pivot in a rotating motion, thus allowing 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.



ED100 & ED250 COMPACT SWING DOOR OPERATORS

Low Energy/Full Energy

The DORMA ED100 and ED250 are compact next generation electro-mechanical swing door operators.

Innovative engineering makes them safe, reliable, and energy-efficient at any level of traffic and in variable atmospheric conditions. Their modular design allows them to be pre-configured with plug-ins for specific applications. Their sleek, minimalist Contur profile makes them a perfect fit for any application, interior or exterior.

Unlike conventional electro-hydraulic operators, the ED100 and ED250 are able to respond automatically to changes in the surrounding environment. A state-of-the-art drive system and built-in

sensors can quickly adjust how the unit operates, boosting power when required to open and close reliably and consistently.

A wide array of applications can be realized due to built-in functions and options including wind-load control, mechanical coordinator, automatic power assist, sensor/lock timing, and more.

Universal modular design and high-tech functionality combine with ultra-compact form and award-winning Contur aesthetics to make this operator a beautiful way to automate easily without drawing unwanted attention.

DORMA ED100:
for doors up to
220 lb (100 kg)

DORMA ED250:
for doors up to
550 lb (250 kg)



DORMA MAGNEO SLIDING ENTRANCE SYSTEM

Linear Magnetic Drive Technology (LMD)



Powered by linear magnetic drive technology (LMD), the MAGNEO entrance system is designed for any modern interior. Innovative LMD technology ensures that the MAGNEO is safe, reliable, whisper quiet, and resistant to wear.

DORMA MAGNEO is ideal for both new and retrofit interior applications. Its modern design and easy operation make it an attractive and efficient way

to update both the function and appearance of existing interior doorways.

The versatile MAGNEO meets all safety requirements for low energy applications. Its extra sensitive operation instantly detects any obstruction. Activation is achieved via touchless design push plate, radio remote control, or traditional infrared motion detectors.



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