

# MODELS 800 ADV/800C ADV

ADVANCED ROLLING DOOR SYSTEM



Model 800 ADV, Gray finish

## HIGH TRAFFIC SOLUTION WITH LASTING DURABILITY

In today's marketplace, security and low maintenance are key to business survival in an increasingly competitive environment.

To assist your business in driving these key initiatives, Wayne Dalton provides an advanced performance solution as an option to create a high performance environment.

- » RATED FOR DESIGN PRESSURE OF +/- 20 PSF
- » 3X FASTER THAN A STANDARD ROLLING STEEL DOOR
- » OPENING SPEED OF 24"/SEC, CLOSING SPEED OF 12"/SEC
- » SPRINGLESS DESIGN PROVIDES SMOOTH, RELIABLE, HIGH-CYCLE OPERATION

# MODELS 800 ADV/800C ADV

## STANDARD FEATURES OVERVIEW CONSTRUCTION

<b>MOUNTING</b>	Interior/exterior face-of-wall
<b>CURTAIN</b>	800: 3" flat slats (#14 profile), hardened powder coat (Gray, Beige, White) 22 ga. steel with alternating endlocks. 800C: 3" insulated flat slats (#34 profile), hardened powder coat (Gray, Beige, White) 22 ga. steel front/24 ga. steel backer with alternating endlocks. R-value* of 7.7; Sound Transmission Class rating of 22
<b>MAX HEIGHT ▲</b>	20' (6,096 mm)
<b>MAX WIDTH ▲</b>	20' (6,096 mm)
<b>SPEED</b>	Opening speed: 24"/sec. Closing Speed: 12"/sec
<b>BOTTOM BAR</b>	Two equal angles, 0.12 inch min. thickness, with wireless monitored sensing edge. Factory painted black
<b>GUIDES</b>	Three angle guide assembly; black
<b>DOOR ROLL</b>	Springless roll (steel tube with integral shafts, keyed on the drive end, supported by self-aligning greaseable sealed bearings). Door shall not require any counterbalance device
<b>HOOD</b>	24-gauge steel galvanized (Gray, Beige, White)
<b>OPERATION</b>	Direct drive, motor/gearbox/brake assembly with manual hand chain for power outages. 230V AC 3-phase is standard
<b>CONTROL PANEL</b>	NEMA 4X rated; variable frequency drive, self-diagnostics, timer to close programming options and non-resettable cycle counter are included
<b>SAFETY DEVICES</b>	Built-in brake mechanism, photoelectric sensors with commercial grade guards, wireless monitored safety edge; motor cover
<b>WIND LOAD</b>	+/- 20 psf standard

## WARRANTY

<b>TERMS</b>	Five (5) year limited warranty on door system
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## OPTIONS

- Actuators: loop detectors, radio control, push buttons, key switches, motion detectors, warning light, horns and strobes, second set of photoelectric sensors
- Flat insulated or non-insulated slat profile in a variety of gauges
- Vision/ventilation: 5" x 3/4" open fenestration; 5" x 3/4" acrylic vision lite
- Perimeter seals: surface guide weatherstrip, angled guide brush seal, exterior lintel weather seal, interior weather baffle
- Wind load: minimum of +/- 20 psf up to +/- 55 psf; options available to meet up to Dade County – Florida Building Commission High Velocity Hurricane Zone
- Custom color options
- Wireless accessories: pull cord station, palm station, 1-button push station, open-close-stop push button station
- Direct drive motor options available in 220/240V AC 1-phase, 460 or 575V AC 3-phase horsepower is appropriate to size and weight of door

\* Wayne Dalton uses a calculated R-value for our insulated doors.

▲ Maximum height and width are independent of each other and may vary based on slat profile, material and gauge. Larger sizes may be available. Consult dealer for more information.

## Wayne Dalton has designed the Advanced Rolling Door System with safety and security in mind.

This system comes standard with enhanced safety devices such as the built-in braking mechanism, photo eyes and wireless sensing edge. Designed for security, the curtain material is composed of interlocking metal slats, and the weight of the door coupled with the motor/gearbox/brake assembly helps deter the door from being pried open.

## MATERIALS AND CONSTRUCTION

The direct drive heavy-duty gear box motor assembly requires minimum maintenance unlike conventional chain and sprocket system. Innovative springless design creates a door without a single spring to replace. The variable frequency drive system operates on a soft start and stop to hinder wear and tear on the system.

A non-resettable cycle counter tracks and displays total cycles for warranty and service and an LCD plain text read-out on the control panel indicates door actions, alarm and fault conditions in a user friendly language. These advanced diagnostics are used for fast set up and easy trouble shooting.

This door comes standard with wear-resistant powder coat technology, as well as door and guide construction that is rated for design pressure of +/- 20 psf.

Ideal applications are high cycle or high traffic areas such as public and government buildings, parking garages, police sally ports, auto dealerships, warehouses, industrial manufacturing facilities, shipping and receiving docks, airports and hospitals.

# ADVANCED ROLLING DOOR SYSTEM

**Advanced Rolling Doors that combines the security of regular rolling steel doors with low maintenance and high cycles of high performance doors.**

## 1 SPRINGLESS BARREL DESIGN

Springless, high cycle design allows for the door system to be opened and closed frequently creating asset longevity and reliable performance over extended time without having to incur the cost of spring replacement.

## 2 HEAVY-DUTY COMMERCIAL PHOTO EYES

Photoelectric sensors reverse the downward motion of the door when a person or object enters its path.

## 3 DIRECT DRIVE HEAVY DUTY GEARBOX AND MOTOR WITH BUILT-IN BRAKING DEVICE

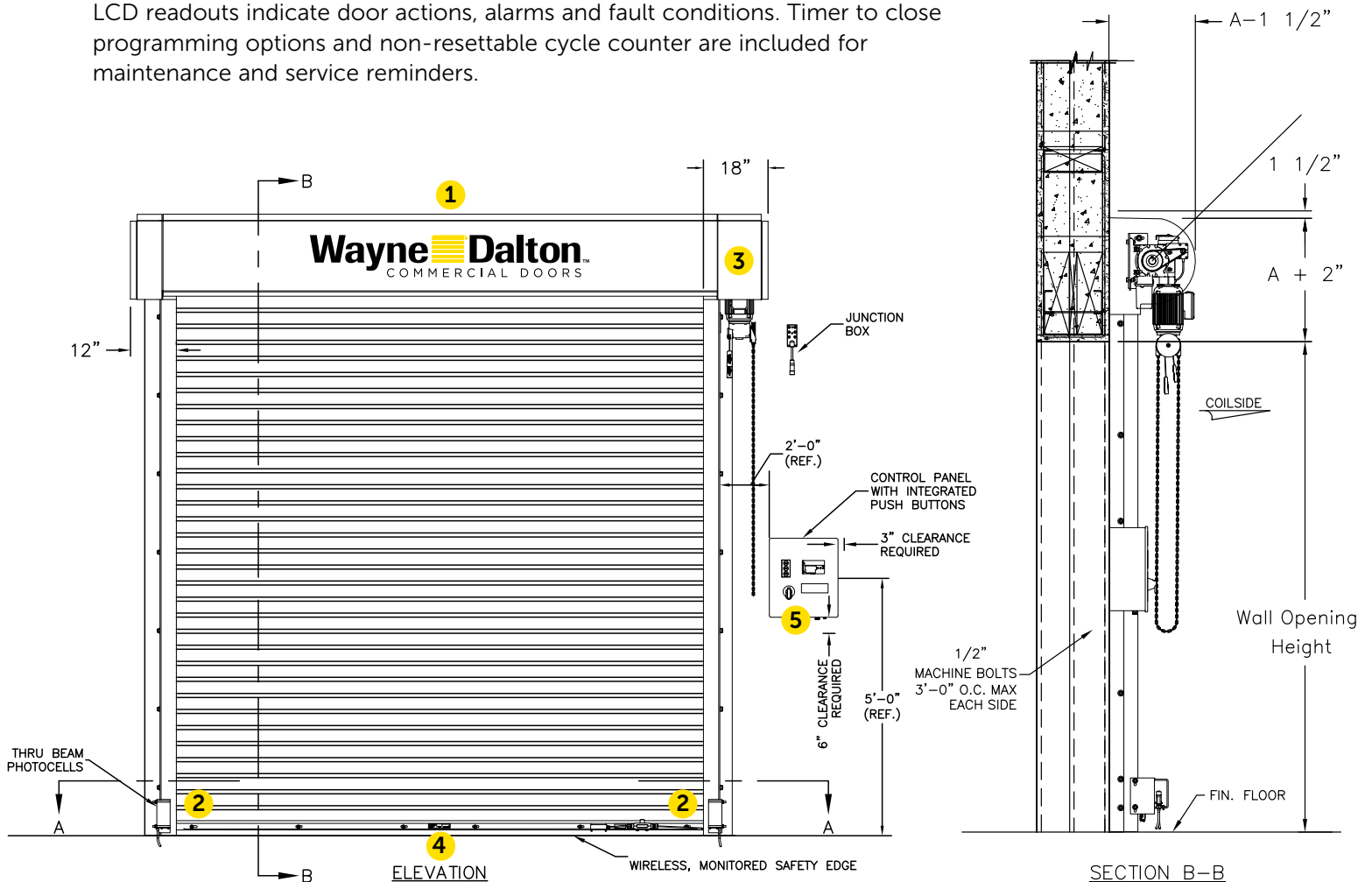
Ideal for high cycle applications. No drive chain and sprocket to adjust and maintain. Built-in braking mechanism protects against uncontrolled travel. Manual hand chain override for door operation during power loss.

## 4 WIRELESS SAFETY EDGE

Wireless, monitored safety edge reverses downward motion upon impact.

## 5 NEMA 4X CONTROL PANEL WITH BUILT-IN VARIABLE FREQUENCY DRIVE

Allows door to close at a slower speed than it opens to meet safety requirements. LCD readouts indicate door actions, alarms and fault conditions. Timer to close programming options and non-resettable cycle counter are included for maintenance and service reminders.



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**Wayne Dalton**  
COMMERCIAL DOORS

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