

4840 Series



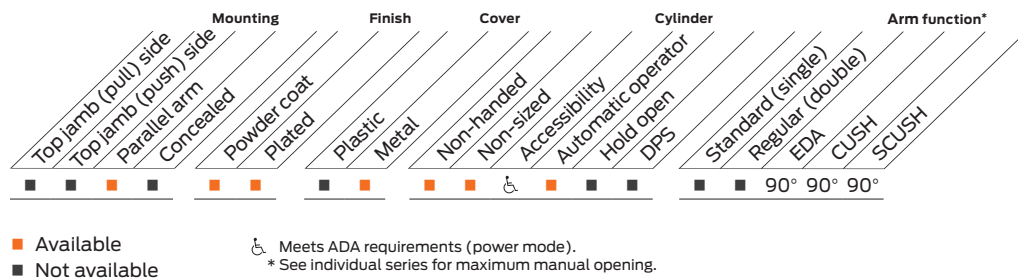
The 4840 Auto Equalizer™ is LCN's pneumatically powered multi-door solution. This low-energy automatic operator provides easy access for people with disabilities, or the elderly. Designed primarily for manual opening applications that occasionally require automatic opening.

Features

Certifications	ADA, 100 Hour Salt Spray, Meets BAA - Buy American Act	Fasteners	Adjustable Spring Size 1-5
Body construction	<ul style="list-style-type: none"> Cast iron body Full complement bearing 1 1/2" diameter piston 3/4" diameter double heat treated pinion journal 	Mounting	Parallel arm (push side)
Fluid	All weather fluid	Arms	Extra duty, standard; Cush-n-Stop and Spring Cush-n-Stop, optional
Handing	Non-handed	Finishes/colors/ powder coat	<ul style="list-style-type: none"> 689 Aluminum 690 Statuary Bronze 691 Light Bronze 693 Black 695 Dark Bronze 696 Brass Custom colors optional
Size	Adjustable spring size 1-5		<ul style="list-style-type: none"> Optional SRI primer - powder coat only Optional plated finishes*
Warranty	2 years		*End caps are black
Cover	Metal Cover (MC)		

Special templates

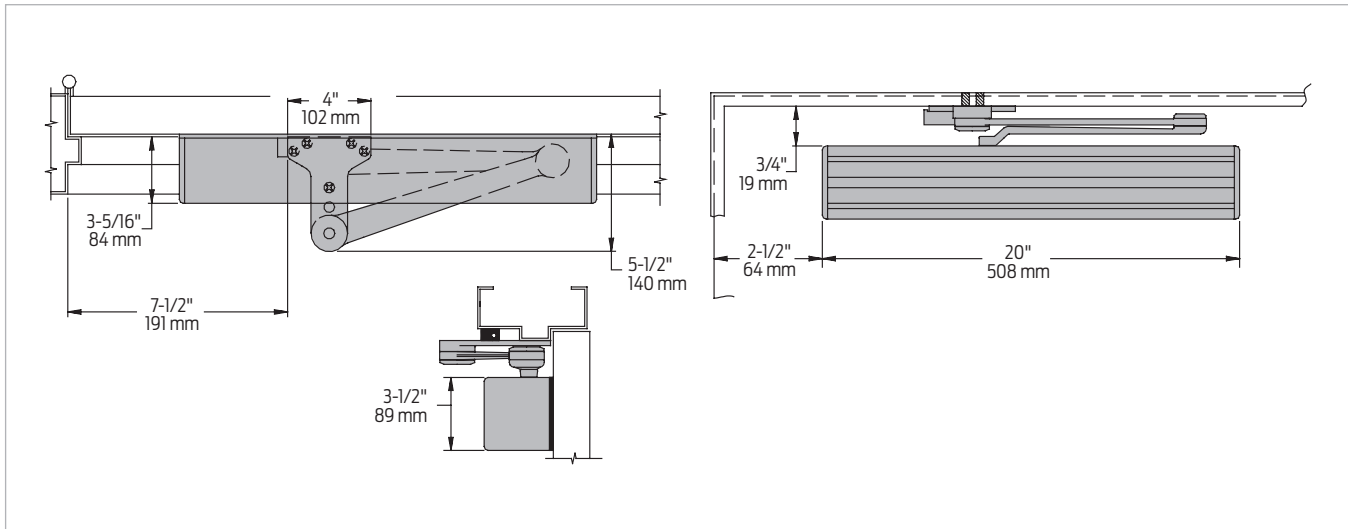
Customized installation templates or products may be available to solve non-standard applications. Contact LCN Product Support for assistance.



Pneumatic powered systems

Mounting details

Parallel arm (push side) mounting



Butt hinges	Should not exceed 5" (127 mm) in width
Auxiliary stop	Recommended when Cush-n-Stop (CUSH) or Spring Cush-n-Stop (SCUSH) arms are not used
Clearance	EDA or CUSH shoes is 5-1/2" (140 mm) from door face
Top rail	Minimum 4-1/8" (105 mm). 6" minimum top rail for screw not to show in glass
Head frame	(Flush) requires PA shoe adapter, 4840-419
Stop width	Minimum 1" (25 mm)
Blade stop	Clearance requires 1/2" (13 mm) blade stop spacer, 4840-61
System diagram	See pages 9-10 for typical system wiring, and pages 28-29 for electrical and pneumatic data for control boxes
Maximum opening	<ul style="list-style-type: none"> Maximum power opening is 90° with all arms Maximum manual opening is 105° with EDA or SCUSH arms Maximum manual opening is 100° with CUSH arm

Notes:

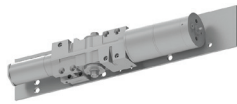
- For CUSH or SCUSH arm installations with maximum opening less than listed above, consult factory for special template
- Requires control box with integral compressor or control box using auxiliary air supply
- See control box pages 28-29 and actuators and accessories, pages 100-117
- Guard rails/safety mats not required

Accessories

Cylinders

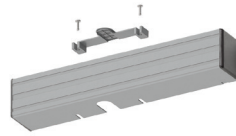

4841-3971
Cast Iron Cylinder Assembly (CYL)

- Non-handed
- Standard


4841-3071
Cast Iron Cylinder Assembly (CYL)

- Non-handed
- Mounting plate
- Standard

Covers


4840-72MC
Metal Cover (MC)

- Non-handed
- With black end caps
- Standard

Arms


4840-3077EDA
Extra Duty Arm (EDA)

- Non-handed
- Features forged solid steel main arm and forearm for potentially abusive installations
- Standard


4840-3077CNS
Cush-n-Stop Arm (CUSH)

- Non-handed
- Features forged solid steel main arm and forearm with stop in soffit shoe
- Optional


4840-3077SCNS
Spring Cush-n-Stop Arm (SCUSH)

- Non-handed
- For abusive applications features forged solid steel main arm and forearm with spring loaded stop in soffit shoe
- Optional

Installation accessories


4840-30
CUSH Shoe Support

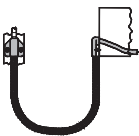
- Provides anchorage for fifth screw used with EDA and CUSH arms, where reveal is less than 3 1/16" (78 mm)


4840-61
Blade Stop Spacer

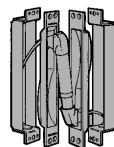
- Required to lower parallel arm shoe to clear 1/2" (13 mm) blade stop


4840-419
PA Flush Panel Adapter

- Provides horizontal mounting surface for parallel arm shoe on single rabbeted or flush frame


4840-459
Door Loop Kit

- Surface mounted, flexible metal loop transfers pressurized air via pneumatic tubing from frame to closer end cap
- Extra caps allow tubing to run on frame surface or concealed in the frame


4840-460
Pneumatic Transfer Hinge

- Transfers pressurized air via pneumatic tubing from frame to door leaf for fully concealed installations
- Preparation of a raceway is required from the hinge stile of the door to the top rail for concealment of the pneumatic tubing within the door leaf