

4820 Series



The 4820 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	Cover	Metal Cover (MC)
Body construction	- Cast iron body - Full complement bearing 1 1/2" diameter piston 3/4" diameter double heat treated pinion journal	Fasteners	Wood and Machine Screws (WMS)
Fluid	All weather fluid	Mounting	Top jamb (push side)
Handing	Non-handed	Arms	- Regular Arm (REGARM), standard - Long Arm (LONG), optional
Size	Adjustable spring size 2-5	Finishes/colors/ powder coat	689 Aluminum 690 Statuary Bronze 691 Light Bronze 693 Black 695 Dark Bronze 696 Brass - Custom colors optional
Warranty	2 years		- Optional SRI primer - powder coat only - Optional plated finishes

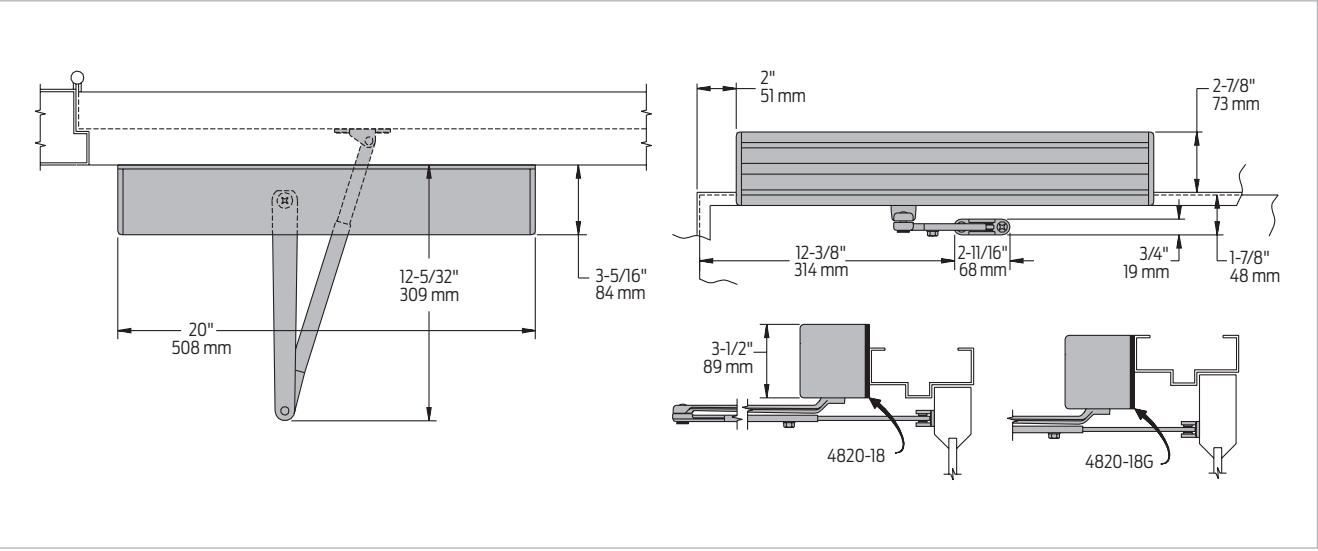
Special templates

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

Mounting	Finish	Cover	Cylinder	Arm function*
Top jamb (pull) side Top jamb (push) side Parallel arm Concealed	Powder coat Plated Plastic Metal	Non-handed Non-sized Accessibility Automatic operator Hold open DPS	90°	Standard (single) Regular (double) EDA CUSH SCUSH
■ Available ■ Not available	■ Available ■ Not available	■ Available ■ Not available ♿ Meets ADA requirements (power mode). * See individual series for maximum manual opening.		

Mounting details

Top jamb (push side) mounting



Butt hinges	Should not exceed 5" (127 mm) in width
Auxiliary stop	Recommended
Reveal	4 1/2" (114 mm) allows up to 90° power opening and 100° manual opening 8" (203 mm) allows up to 90° power opening and 100° manual opening with long arm where standard rod and shoe is replaced with optional long rod and shoe, 4820-79LR
Top rail	- Minimum 1 3/4" (44 mm) - Closer on 4820-18G plate requires 3" (76 mm) minimum
Head frame	- Minimum 1 3/4" (44 mm) - With flush ceiling use plate, 4820-18G substituted for standard plate
System diagram	See pages 9-10 for typical system wiring, and pages 28-29 for electrical and pneumatic data for control boxes
Maximum opening	Templating allows 90° power opening and 100° manual opening
Options	Door Position Switch (DPS) kit that signals when the door has reached the open position

- Notes:
- Requires control box with integral compressor or control box using auxiliary air supply
 - See control box pages 27-29 and actuators and accessories, pages100-117
 - Guard rails/safety mats not required

Accessories

Cylinders

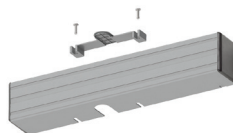


- 4822-3971**
Cast Iron Cylinder Assembly (CYL)
- Non-handed
 - Standard



- 4822-3071**
Standard Cylinder with 18G mounting plate (CYL18G)
- Non-handed
 - Includes; 4820-18 Mounting Plate or 4820-18G Mounting Plate (must specify)
 - Standard

Covers



- 4820-72MC**
Metal Cover (MC)
- Non-handed
 - With black end caps
 - Standard

Arms



- 4820-3077**
Regular Arm (REGARM)
- Non-handed
 - Standard



- 4820-3077L**
Long Arm (LONG)
- Includes long rod and shoe, 4820-79LR for deep reveals
 - Optional

Installation accessories



- 4820-18**
Plate
- Requires minimum 1 3/4" (44 mm) minimum head frame and 2" (51 mm) top rail
 - Standard



- 4820-18G**
Plate
- Requires minimum 1 3/4" (44 mm) minimum head frame and 2" (51 mm) top rail
 - Standard



- 4820-3377**
Door Position Switch Kit
- Provides feedback when the door reaches the fully opened position
 - Specify RH or LH when ordering

Ordering information

How-to-order 4820 Series operators

1. Select finish

- ☐ Standard powder coat _____
Aluminum (689), Dark Bronze (695),
Statuary Bronze (690), Light Bronze
(691), Black (693), Brass (696).

Operator will be shipped with:

- Standard cylinder
- Metal cover
- Regular arm
- Wood and machine screws
(unless options listed below are selected)

Operator options

Finish

- ☐ Custom Powder Coat (RAL) _____
☐ Plated finish _____

Arm

- ☐ Long Arm (LONG)

Screw packs

- ☐ Through Bolt¹ Wood and Machine Screws (TBWMS)

Installation accessories

- ☐ Plate, 4820-I8
☐ Plate, 4820-I8G
☐ Door Position Switch Kit, 4820-3377 LH
☐ Door Position Switch Kit, 4820-3377 RH

Special template

- ☐ ST- _____

1. Specify door thickness if other than 1 3/4".

Table of sizes

- Non-sized 4820 Series cylinder is adjustable from size 2 through size 5 and is shipped set to size 3
- Closing power of 4820 Series closers may be increased 50%

Exterior (and vestibule) door width



Interior door width



➔ Indicates recommended range of door width for operator.