



Surface mounted closer

4050A Series

Overview

The 4050A Series cast aluminum closer is engineered for durability and built tough to excel in the harsh environments of high frequency, high abusive traffic areas. Featuring the most common commercial footprint, it is ideal for commercial building applications that demand a combination of quality, reliability and value.



Cylinder

4050A-3071

Cast aluminum cylinder assembly

Handing

Non-handed

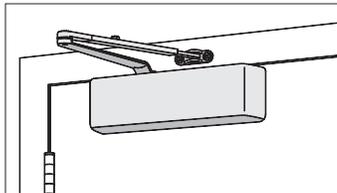
Sizing

Adjustable spring size 1-6

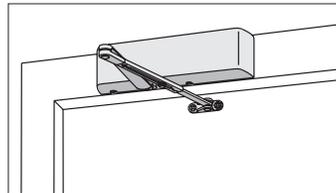
Available cylinder options

DEL	Delayed action cylinder
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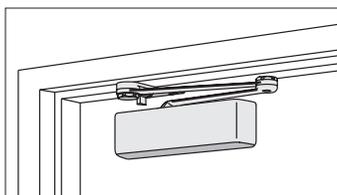
Mounting



Hinge (pull side)



Top jamb (push side)



Parallel arm (push side)

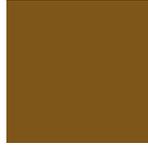


Finishes

Powder coat finishes



689
Aluminum



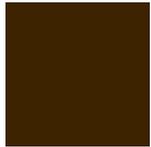
690
Statuary Bronze



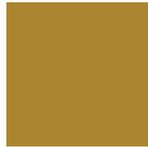
691
Light Bronze



693
Black



695
Dark Bronze



696
Brass

150+ additional custom colors available using the RAL numbering system

Available finish options

MTLPC	Brite metallic: Custom powder coat finish, which resembles that of 651 or 652 plated finish.
SRI	For installations where a higher level of protection against weather conditions, or the effects of a potentially corrosive atmosphere is required, LCN offers a special rust inhibiting (SRI) process. Ferrous metal components receive an SRI pretreatment and a standard powder coat finish of your choice, or a custom powder coat finish for a nominal additional cost. Closers treated with the SRI process exceed the 100 hour protection level available with standard LCN powder coated finishes.

Covers

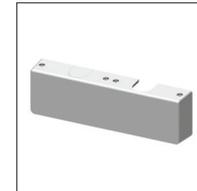
Standard cover



4050A-72
Plastic cover

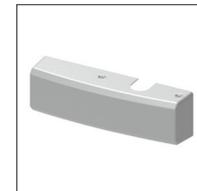
- Non-handed
- Standard

Optional cover



4050A-72ALT
Alternate cover

- Non-handed
- Optional, sold separately (not packed with closer)



4050A-72MC
Metal cover

- Non-handed
- Required for plated finishes and custom powder coat finishes
- Optional

Arms



4050A-3077

Regular arm

- Non-handed
- Mounts pull side or top jamb with shallow reveal
- Includes PA shoe, 4050A-62PA required for parallel arm mounting



4050A-3077L

Long arm

- Non-handed
- Includes long rod and shoe, 4050A-79LR for top jamb mount
- Optional



4050A-3049

Hold-open arm

- Non-handed
- Mounts pull side or top jamb with shallow reveal
- Hold-open adjustable shoe
- 4050A closer includes 4050A-62PA shoe required for parallel arm mounting
- Optional



4050A-3049L

Long hold-open arm

- Non-handed
- Hold-open adjustable shoe
- Includes long head and tube, 4050A-3048L for top jamb mount
- Optional



4050A-3077EDA

Extra duty arm

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



4050A-3049EDA

Hold-open extra duty arm

- Handed
- Features forged, solid steel main and forearm for potentially abusive installations
- Hold-open function is adjusted at the shoe



4050A-3077EDA/62G

Extra duty arm with 62G

- Non-handed
- Features forged, solid steel main and forearm for potentially abusive installations
- 62G shoe provides additional blade stop clearance for use with additional door hardware such as an overhead holder



4050A-3049EDA/62G

Hold-open extra duty arm with 62G

- Handed
- Features forged, solid steel main and forearm for potentially abusive installations
- 62G shoe provides additional blade stop clearance for use with additional door hardware such as an overhead holder
- Hold-open function is adjusted at the shoe



4050A-3077CNS

Cush-N-Stop® arm

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



4050A-3049CNS

HCUSH arm

- Provides hold-open function with templated stop/hold-open points
- Handle controls hold-open function



4050A-3049SCNS

Spring HCUSH arm

- Non-handed
- For potentially abusive applications features solid forged steel main arm and forearm with spring loaded stop in the soffit shoe
- Handle controls hold-open function
- Optional



4050A-3077SCNS

Spring CUSH arm

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

Installation accessories



**4050A-18
Plate**

- Required for hinge side mount where top rail is less than 3 7/8" (98 mm)
 - Requires minimum 1 3/4" (44 mm) top rail



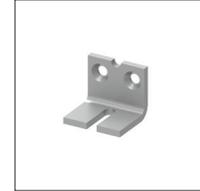
**4050A-18G
Plate**

- Locates top jamb mounted closer flush with top of head frame face in flush ceiling condition
- Contact LCN Product Support for minimum head frame requirement



**4050A-18PA
Plate**

- Required for parallel arm mounting where top rail is less than 5 3/4" (146 mm), measured from the stop
 - Requires 2 1/4" (57 mm) minimum top rail



**4050A-30
CUSH shoe support**

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



**4050A-61
Blade stop spacer**

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



**4050A-419
Flush panel adapter**

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



**4050A-62A
Auxiliary shoe**

- Requires a top rail of 7 13/16" (198 mm)
- Replaces -62PA for parallel arm mounting of regular arm with overhead holder/stop
- Optional



**4050A-62PA
PA shoe**

- Required for parallel arm mounting

Fasteners

Self-reaming and tapping screws included standard

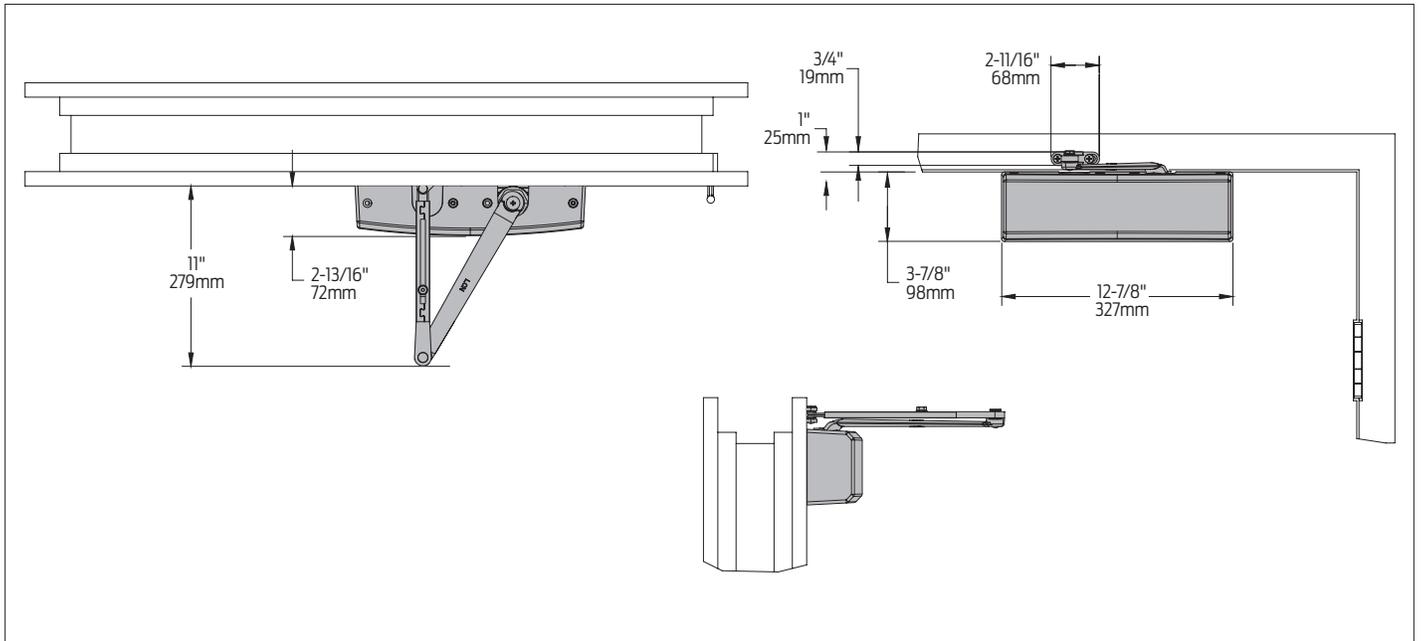
Fastener pack options

TBSRT	TB ¹ with self-reaming and tapping screws
WMS	Wood and machine screw
TBWMS	TB ¹ , wood and machine screw
TORX	TORX machine screw
TBTRX	TB ¹ and TORX machine screw

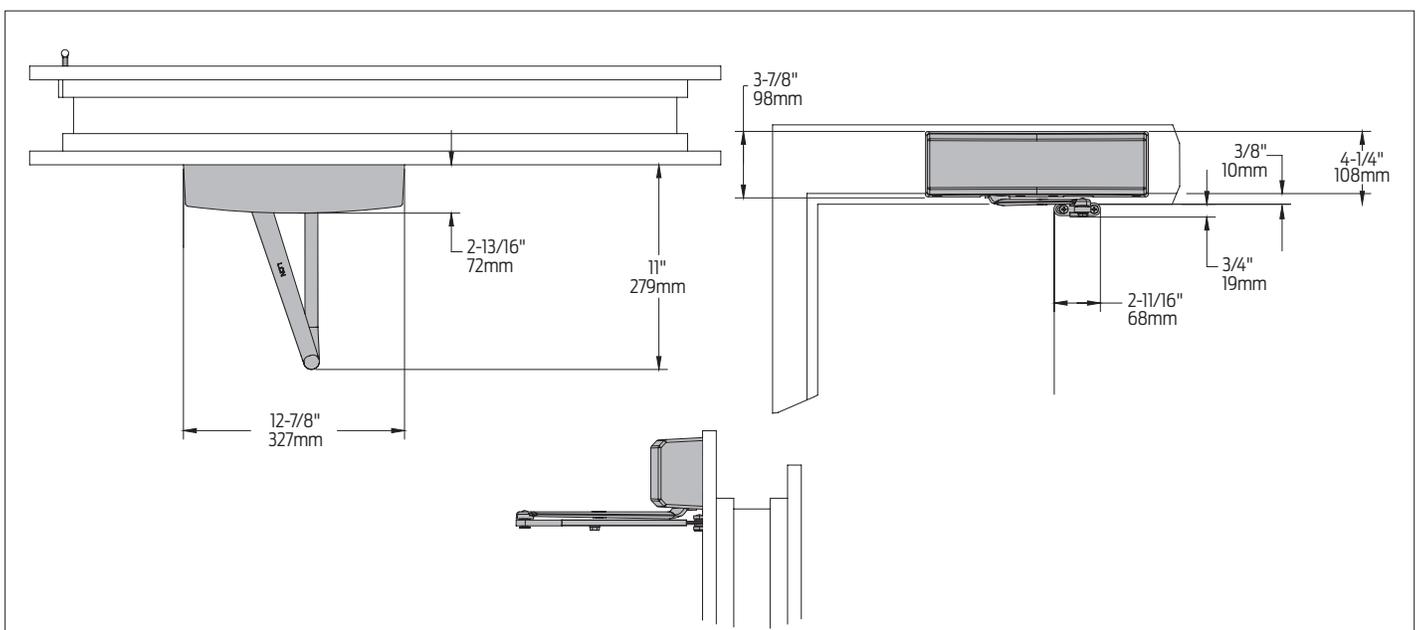
¹ Specify door thickness if other than 1 3/4"

Dimensions and mounting

Hinge (pull side) mounting

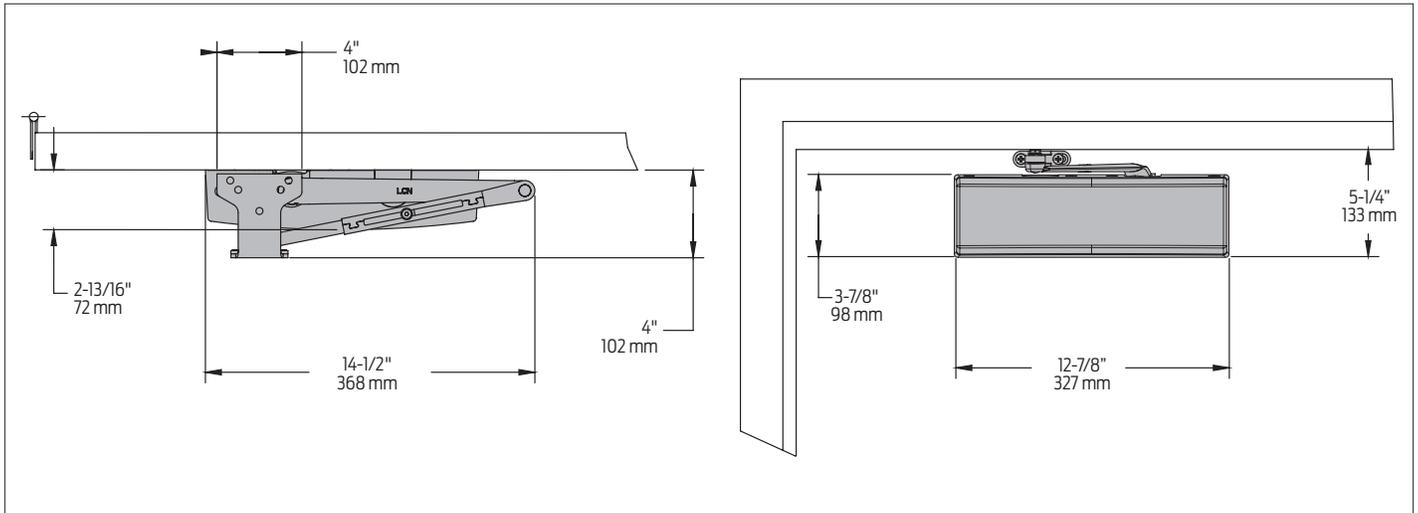


Top jamb (push side) mounting

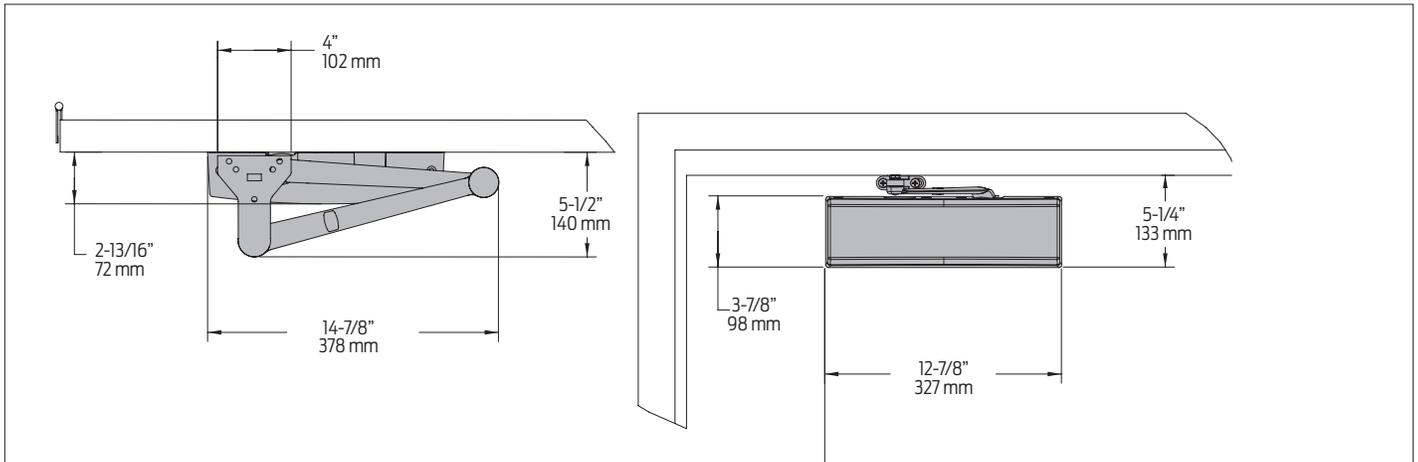


Dimensions and mounting

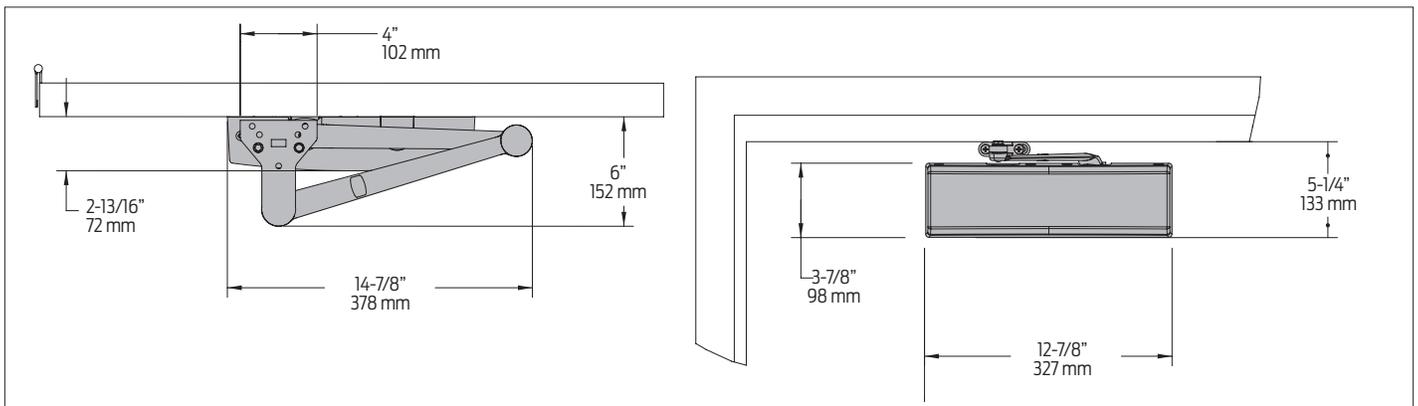
Parallel arm (push side) mounting



EDA mount



CUSH



Specifications

Accessibility	Available with less than 5.0 lbs. opening force on 36" door
Certifications/ approvals	<ul style="list-style-type: none"> ■ Grade 1 - ANSI A156.4 ■ UL 10C ■ Meets BAA - Buy American Act
Degree of operation	<p>Hinge (pull) side</p> <p>Max opening: 180°</p> <p>Hold open: 180°</p> <p>Top jamb (push side) mount</p> <p>Max opening: 180°</p> <p>Hold open: 180°</p> <p>Parallel arm with 62PA</p> <p>Max opening: 180°</p> <p>Hold open: 180°</p> <p>EDA</p> <p>Max opening: 180°</p> <p>Hold open: 180°</p> <p>Cush</p> <p>Max opening: 110°</p> <p>Hold open: 110°</p>
Environmental conditions	<ul style="list-style-type: none"> ■ Approved for interior use ■ Approved for exterior use (SRI coated only) ■ LCN's standard all weather fluid performs to temperature ranges from 120°F (49°C) to -30°F (-35°C) ■ LCN's powder coat finish surpasses 100 hours of salt spray which is over four times the ANSI standard for corrosion resistance.
Warranty	25 years
Standard features	<ul style="list-style-type: none"> ■ Cast aluminum body ■ Full complement bearing ■ 1 1/2" diameter piston ■ 11/16" diameter double heat treated pinion journal