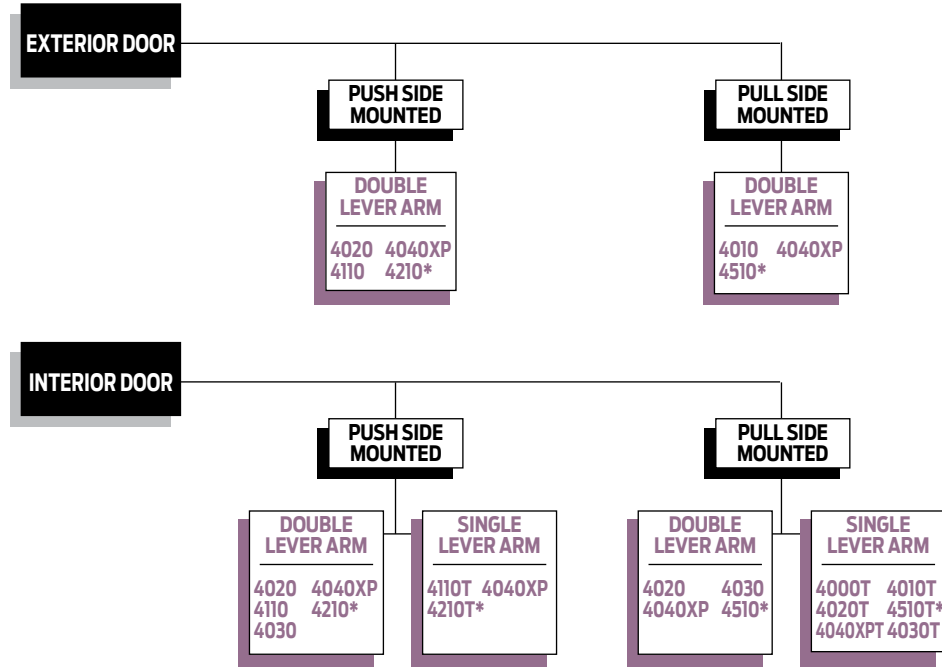


# 4000 SERIES SURFACE MOUNTED CLOSERS

## PRODUCT SELECTION GUIDE

Surface mounted 4000 Series LCN closers feature a modern design engineered for each application, easy installation, and superior performance. This guide is based on the desired mounting of the closer.



\* INDICATES HIGH SECURITY CLOSER. REFER TO THAT SECTION OF THE CATALOG.

## PRODUCT COMPARISON

This chart shows a basic comparison of 4000 Series closers. Refer to the specific closer chapter for complete details.

CLOSER SERIES	MOUNTING					FINISH		COVER		CYLINDER		**ARM FUNCTION										
	HINGE (PULL/SIDE)	TOP JAMB (PULL)	TOP JAMB (PUSH)	PARALLEL ARM	STOP FACE	POWDER COAT	PLATED	PLASTIC	METAL	NON-HANDED	NON-SIZED	ACCESSIBILITY	DELAYED ACTION****	AVB***	REGULAR (DOUBLE)	STANDARD (SINGLE)	HOLD-OPEN	FUSIBLE LINK	EDA/HEDA	CUSH/HCUSH	SCUSH/SHCUSH	DOUBLE EGRESS
4010	●	○	○	○	○	●	●	●	●	○	●	○	○	○	140°	○	140°	140°	○	○	○	○
4010T	●	○	○	○	○	●	●	●	●	○	○	○	○	○	○	180°	120°	○	○	○	○	100°
4020	○	○	●	○	○	●	●	●	●	○	●	○	○	○	180°	○	140°	140°	○	○	○	○
4020T	○	●	○	○	○	●	●	●	●	○	○	○	○	○	○	180°	100°	○	○	○	○	○
4030	●	○	●	●	○	●	●	○	●	●	○	○	○	○	180°	○	180°	○	110°	100°	100°	○
4030T	●	●	○	○	●	●	●	○	●	●	○	○	○	○	○	180°	180°	○	○	○	○	○
4040XP	●	○	●	●	○	●	●	●	●	○	○	○	○	○	120°	○	120°	○	180°	110°	110°	○
4040XPT	●	●	○	○	●	●	●	●	●	○	○	○	○	○	○	120°	110°	○	○	○	○	○
4110	○	○	○	●	○	●	●	●	●	○	○	○	●	●	○	○	○	180°	180°	110°	110°	○
4110T	○	○	○	○	●	●	●	●	●	○	○	○	○	○	○	110°	100°	○	○	○	○	○
4000T	●	○	○	○	○	●	●	●	●	●	○	○	○	○	○	90°	○	○	○	○	○	○

● AVAILABLE  
○ NOT AVAILABLE

○ Closer available with less than 5.0 lbs. opening force on 36" door.

\*\* Maximum opening/hold-open point with standard template. See individual closer series for degrees of opening per installation.

\*\*\* Advanced Variable Backcheck.

\*\*\*\* Delay Action for 4040XP Requires standard 4041 cylinder.

# 4000 SERIES SURFACE MOUNTED CLOSERS

## APPLICATIONS

- For aluminum, hollow metal, or wood swinging doors and frames.
- Can be used with hinge or pivot mounted door.
- Adapter plates and other installation accessories available for unusual conditions.

## FEATURES COMMON TO 4000 SERIES

- Each closer (except 4040XP, 4040XPT, 4030, 4030T) is designed for a specific mounting: hinge side, top jamb, or parallel arm. 4040XP closer with regular or hold-open arm mounts hinge side or top jamb. 4030 and 4040 regular parallel arm closers include 62PA SHOE required to parallel arm mount either regular or hold-open arm.
- Handed for right or left swinging doors, except 4000T, 4030, 4030T, 4040XP and 4040XPT.
- Closers to meet ADA reduced opening force requirements except 4000T.
- Adjustable hydraulic backcheck cushions opening swing prior to 90°.
- Separate regulation of general closing speed and latching speed.
- Joints in regular arm and shoe adapt to uneven trim.
- Reversible shoe to boost latching power on double lever arms.
- Available in a wide range of standard or optional custom powder coat finishes to blend with door and frame.
- Plated finishes available to accent door and frame.
- Not designed for exterior mounting or exposed to elements.

## DESIGN ASSISTANCE

LCN has been providing reliable solutions to unique door control problems for over 85 years. Design and specification assistance are only a phone call away.

Contact LCN for assistance or technical information at **877-671-7011** or **FAX 800-248-1460 (Order Entry)**, Fax **815-879-1495** for Product Support.

## WARRANTY

10 year limited warranty. See General Information Section for complete warranty details.

## SPECIFICATIONS

Refer to "SPECIFICATIONS" section for suggested architectural specifications.

## MATERIALS

- High strength **cast iron** cylinder.
- **Forged steel** main arms.
- One piece **forged steel** piston.
- **Double heat treated** pinion.
- **All weather fluid** eliminates seasonal adjustments temperatures ranging from 120° F (49° C) to -30°F. (-35° C).
- **High efficiency, full complement**, low friction bearings.
- Tamper resistant regulating screws.
- Full rack and pinion hydraulic action.
- Quiet, low friction track and roller combination for all single lever arm closers.

## FINISHES

- Available in seven standard or optional custom powder coat finishes to blend with door and frame.

- LCN's powder coat finishes surpass 100 hours of salt spray which is over four times the ANSI standard for corrosion resistance.
- For installations where a higher level of corrosive resistance is required, LCN offers an optional special rust inhibiting (SRI) pre-treatment. Closers that combine the exclusive LCN powder coat finish and the SRI pre-treatment exceed the ANSI standard for corrosion resistance even further.
- Plated finishes are available as an option to accent door and frame. (SRI not available with plated finishes).

## LISTINGS & APPROVALS

UL listed for self-closing doors without hold-open under "SWINGING DOOR CLOSERS" (GVEV) file R1943.

Tested and certified under ANSI Standard A156.4 Grade One. Consult factory for details.

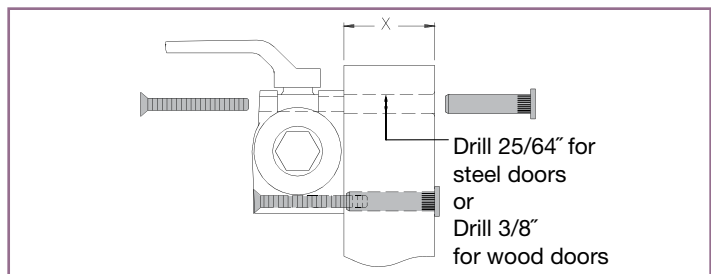
Consult factory for other listings such as; cUL, California State Fire Marshal, Bureau of Standards and Appeals.

## POSITIVE PRESSURE

LCN closers have been certified for three hours by UL to be in compliance with UBC 7.2 (1997) and UL 10C. Contact LCN for specific details on door closer fire ratings.

## FASTENERS

4010, 4010T, 4020, 4020T, 4040XP, 4040XPT, 4110, 4110T Series closers are shipped with: A standard SELF-REAMING and TAPPING SCREW (SRT) pack that contains Philips head SRT screws to install the closer. 4000T series closers are shipped with: A standard WOOD and MACHINE SCREW (WMS) pack that contains Philips head wood and machine screws to install the closer. 4030, 4030T series closers are shipped with: A standard WOOD and SELF-TAPPING MACHINE SCREW (WMS) pack that contains Phillips head wood and self-tapping machine screws to install the closer. Standard LCN thru bolts (TB) can be installed on 1-3/4" (44 mm) thick doors with 1/4-20 machine screws. Optional thru bolt (TB) sizes are available for 1-5/8" (41 mm) or 1-3/8" (35 mm) door thickness, but this must be specified when ordering.



### Notes:

1. For Thru Bolts, specify door thickness if other than 1-3/4" (44mm), represented in diagram as dimension "X".
2. Phillips head, metric machine screws are available, please specify.
3. LCN recommends the use of wood screws, available in optional WMS screw packs, for wood door applications.

## MAINTENANCE

Closers mounted according to LCN installation instructions require no periodic maintenance or adjustments.