

LCN®

4031T Series

Door controls



Fire Rated: Tested on fire door assemblies in accordance with Australian Standards, refer fire door manufacturer for specific approval details

The LCN 4031T Series is a non-handed track arm, surface mounted closer designed for interior use on narrow head frames and top rails. The choice of three mountings and ease of installation offer a versatile solution to door control in moderate traffic applications. The LCN 4031T Series has been designed to be used on aluminium, hollow metal or wood swinging commercial interior doors and is ideally suited for hotel/motel doors or where aesthetics are of importance.

Features

- Universal, fully reversible, non-handed door closer
- Closer cylinder constructed of high strength cast iron for increased durability
- Tested to 1,500,000 cycles
- Fully adjustable 1-3 strength
- Factory set to strength 3
- Standard closer offers 3 installation options
 - Regular (pull side)
 - Top jamb (pull side)
 - Stop face (push side)
- Independent adjustment valves for adjusting backcheck, closing and latching speeds
- All adjustment valves are concealed behind the cover to prevent tampering
- Closers installed according to LCN installation instructions require minimal periodic maintenance or adjustments
- The 30 year warranty provides specifiers and users with assured quality and performance

Specification guide

Series LCN 4031T Series LCN4031T	Function Regular R Hold open HO	Finish Aluminium ALUM
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- Series
Select the desired series e.g. LCN 4031T Series LCN4031T
- Function
Select the required function LCN4031THO
- Finish
Select the desired finish e.g. Standard aluminium LCN4031THOALUM

Selection chart

Select strength based on width of door

Strength	Exterior door	Interior door
1 - 2	NA	660mm - 864mm
3	NA	864mm - 965mm

Specifications

Door type	Timber or metal
Door size	Internal door 660mm - 965mm
Applications	Regular - pull side mount Stop face - push side mount Top jamb - pull side mount
Adjustment controls	Closing speed Latching speed Backcheck
Strength	1-3 adjustable
Options	Hold open clip Adaptor plate Parallel arm drop plate Square metal cover
Finishes	Aluminium Satin stainless steel (optional cover only) polished stainless steel (optional cover only)
Warranty	30 year mechanical



The LCN 4031T is designed for reduced opening force which when set to a 1 strength make it suitable for use by people who are frail, aged or disabled. This closer can operate at between 14 - 20Nm from initial opening up to 90°

Caution!

Where door closers are installed and adjusted to meet reduced opening force requirements, there may be insufficient power to reliably close and latch the door, depending on prevailing operating conditions. Refer to the Automatic Door Operators section for information on systems that meet reduced opening force requirements without affecting closing power

Note

In areas of high wind pressure and/or air conditioning pressures or doors located in exceptionally heavy traffic or oversized/heavy doors, the LCN 4041 Series Closers or LCN Automatic Door Operators are recommended

Regulating controls

The LCN 403IT has independent regulators to control:

Closing speed	Adjustment to increase or decrease the speed at which the door closes. This allows the appropriate momentum to close the door in a safe and secure manner. Closing speed adjustment operates from the maximum opening to 15°
Latching speed	The latching speed allows the door to close quietly and firmly. It can be adjusted to increase or decrease the speed at which the door finally closes. This assists the final stage of the closing cycle to help overcome stubborn latch bolts or air pressure conditions. Alternatively the latching speed can be decreased to cushion the door into the frame. The latching speed adjustment operates from 15° to closing
Backcheck	Adjustable hydraulic backcheck provides a cushioning effect when the door is forcibly thrown open to prevent damage to the closer, door and frame. The backcheck adjustment allows the level of resistance in the latter stage of opening to be set at the level required. Backcheck is effective from 75°. Backcheck is a requirement for all fire rated closers
Power adjustment	Spring strength may be increased or decreased by turning the allen head screw located in the end of the door closer body

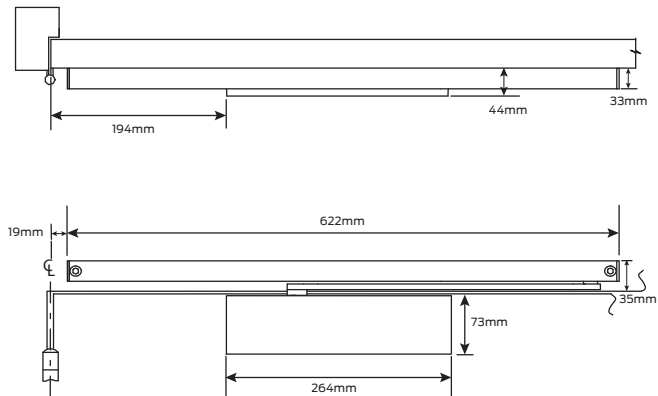
Functions

Regular	For applications where the door must fully close after each opening
Hold open	Suitable for doors where the door may need to be left in a hold open position. The hold open function can be set to hold open at a single point. Hold open closers can not be used on fire doors

Mounting details

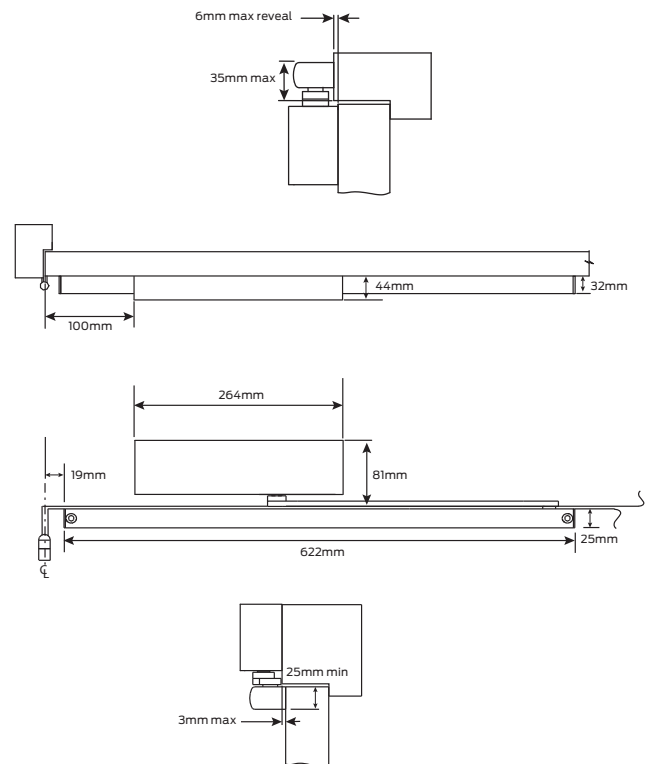
Regular (pull side) mounting

Templating allows a maximum opening of 180°. The hold open clip allows the door to be set at a given hold open point up to 110° opening. The reveal should not exceed 6mm. A top rail of 60mm is required. A clearance of 44mm behind door is required for 180° installations



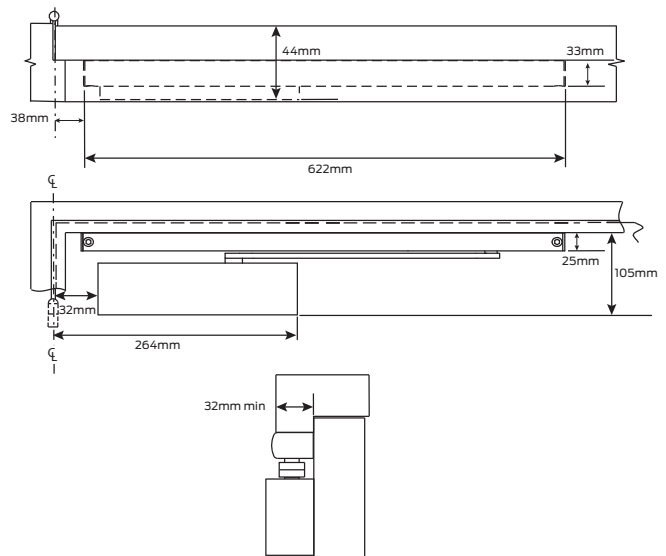
Top jamb (pull side) mounting

Templating allows a maximum opening of 180°. The hold open clip allows the door to be set at a given open point up to 110° opening. The reveal should not exceed 3mm. A top rail of 25mm is required. A head frame of 73mm is required



Stop face (push side) mounting

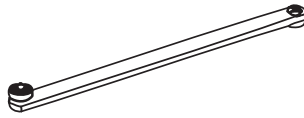
Templating allows a maximum opening of 110°. The hold open clip allows the door to be set at a given hold open point up to the maximum opening. A top rail of 105mm measured from the stop is required. The minimum stop width is 32mm



4031T Series accessories

Track arm 4030T-3077T

Standard, non-handed arm for pull side, top jamb and push side mounting configurations. A track roller is included with the arm
Finish: Aluminium



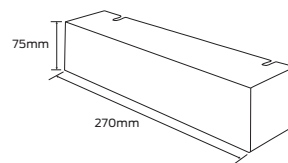
Track 4030T-3038

Non-hold open, non-handed track that mounts either side of door. For hold open function, a hold open clip is required
Finish: Aluminium



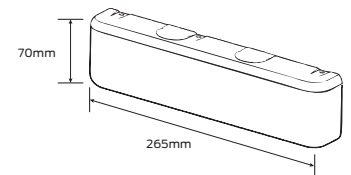
Square metal cover 4030T-MC

Non-handed cover, providing complete enclosure of closer body
Finishes: Polished stainless steel, satin stainless steel



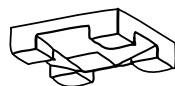
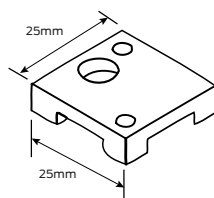
Metal cover 4030T-72M

Standard, non-handed cover, providing complete enclosure of closer body
Finish: Aluminium



Hold open clip 4030T-3054

Mounts in track to provide hold open function. Hold open point controlled by clip location





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