



# 4040SE Series

Door controls



The LCN 4040SE Sentronic is a heavy duty, non-handed, non-handed, non-sized closer/holder designed to provide single point hold open for fire and smoke barrier doors. The door is held open until current interruption releases the holding mechanism and the door closes. Meets most life safety requirements. Single lever (track) arm closer specifically designed for interior doors.



## 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 1-4 strength
- Factory set to strength 3
- Closer mounts on either pull or push side of the door.
- Independent adjustment valves for adjusting backcheck, closing and latching speeds
- Adjustable hold open force
- 24V DC input
- Concealed or surface wiring options
- Momentary on/off switch board assembly for testing door release, as well as providing over-voltage protection.
- The switch board is field replaceable
- Interfaces with fire alarm system
- Functions as a full rack and pinion closer when hold open is not engaged or the current is interrupted
- Closers mounted according to LCN instructions require minimal periodic adjustments. Monthly, quarterly, and annual visual inspections are recommended

Warranties	
Mechanical	10 years
Finish	<a href="http://allegion.co.nz/finisheswarranty">allegion.co.nz/finisheswarranty</a>
Electronic	2 years

# Specification guide

Series

LCN 4040 Series ..... LCN4040SE

## Finish



**ALUM**

Aluminium

## Specifications

<b>Door type</b>	Timber or metal
<b>Door size</b>	Internal door 711mm - 1219mm
<b>Applications</b>	Regular - pull side mount Stop face - push side mount
<b>Adjustment controls</b>	Closing speed Latching speed Backcheck
<b>Strength</b>	1-4 adjustable
<b>Options</b>	Drop plate Adaptor plate

## Selection chart

Select closer based on width of door

Strength	Exterior door	Interior door
3	NA	711mm - 965mm
4	NA	965mm - 1219mm

## Regulating controls

The LCN 4040SE has independent regulators to control:

<b>Closing speed</b>	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°
<b>Latching speed</b>	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 latchbolts or air pressure conditions. The latching speed adjustment operates from 15° to closing
<b>Backcheck</b>	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
<b>Hold open</b>	Suitable for fire or smoke barrier doors where the door may need to be left in a hold open position in normal operating conditions. The hold open function will release and automatically close the doors under fire conditions. The hold open function can be set to hold open at 3° increments between 85° and 110°
<b>Momentary on/off switch</b>	This allows testing of the door release, and has been designed for this purpose only. Where the closer is to be open and shut on a regular basis, we recommend that an external control switch is mounted adjacent to the door to switch off the hold open function as to allow the door to shut when required

## Testing and Compliance



**Fire Rating:**

Successfully tested on fire door assemblies in accordance with AS1905 Part1: Fire resistance doorsets. Check with fire door manufacturer prior to installation.



**Accessibility:**

Compliant to the AS 1428:1-2009 Design for Access and Mobility

**Caution:**

When 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.

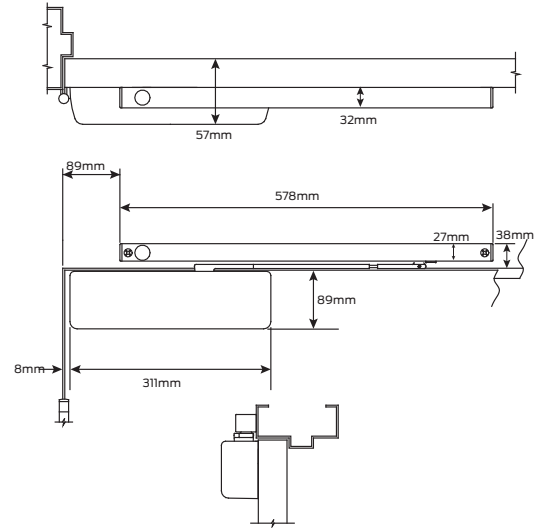
**Note:**

In areas of high wind pressure and/or air conditioning pressures, the LCN Automatic Door Operators are recommended.

# Mounting details

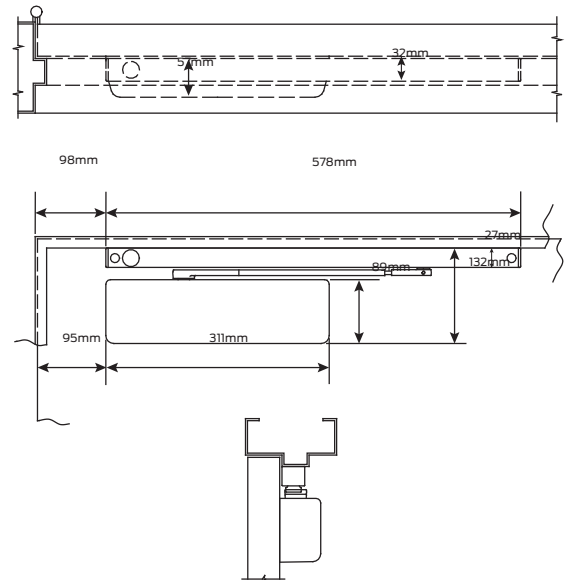
## Hinge (pull side) mounting

Templating allows a maximum opening of  $110^{\circ}$ . The hold open function can be set to hold open at  $3^{\circ}$  increments between  $85^{\circ}$  and  $110^{\circ}$ . Reveal should not exceed 3mm. Where the top rail is less than 89mm, an adaptor plate is required. The adaptor plate requires a top rail of 44mm. The head frame must be 51mm in size. A minimum door width of 711mm is required to mount the 4040SE. A clearance of 60mm behind the door is required for a  $90^{\circ}$  installation. The track assemblies require a single power circuit for the holding solenoid.



## Stop face (push side) mounting

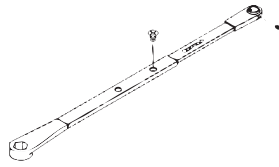
Templating allows a maximum opening of  $110^{\circ}$ . The hold open function can be set to hold open at  $3^{\circ}$  increments between  $85^{\circ}$  and  $110^{\circ}$ . Where the top rail is less than 146mm, a drop plate is required. The drop plate requires a top rail of 51mm. A 32mm minimum stop width is required. A minimum door width of 711mm is required to mount the 4040SE. The track assemblies require a single power circuit for the holding solenoid.



# 4040SE Series accessories

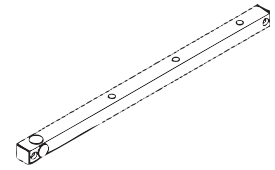
## Standard arm 4040SE-3077T

Standard, non-handed arm adjustable in 3° increments to select hold open point.  
**Finish:** Aluminium



## SE Track 4040SE-3038T

Standard, non-handed track, which mounts on either the headframe or the stop. Available in 24V. Includes test switch assembly with fuse.  
**Finish:** Aluminium



## Track slider 4040SE-168

Alloy metal slider for use in 4040SE tracks.



## Track roller 4040SE-3034

Quiet, low friction roller assembly.



## Adaptor plate 4040SE-18

Required for pull side mounting where top rail is less than 89mm. The adaptor plate requires a top rail of 44mm.

Plate installations require a special template. Consult Customer Services for full details

