

LCN®

4040SE 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 4040SE Sentronic is a heavy duty, 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

Specification guide

Series	Voltage	Finish
LCN 4040 Series.....LCN4040SE	24V AC/DC 24V	Aluminium ALUM

- Series
Select the desired series e.g. LCN 4040 Series LCN4040SE
- Voltage
Select the required voltage LCN4040SE24V
- Finish
Select the desired finish e.g. Aluminium LCN4040SE24VALUM

Selection chart

Select closer based on width of door

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

Specifications

Door type	Timber or metal
Door size	Internal door 711mm - 1219mm
Applications	Regular - pull side mount Stop face - push side mount
Adjustment controls	Closing speed Latching speed Backcheck
Strength	1-4 adjustable
Options	Drop plate Adaptor plate
Finish	Aluminium
Warranty	10 year mechanical 2 year electrical

Regulating controls

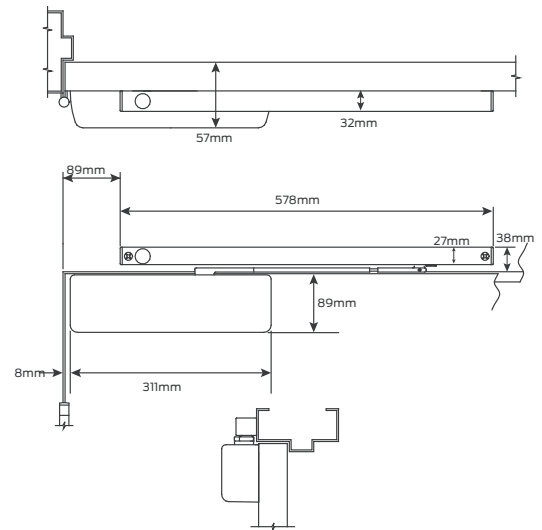
The LCN 4040SE has independent regulators to control:

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 latchbolts or air pressure conditions. 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
Hold open	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°
Momentary on/off switch	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

Mounting details

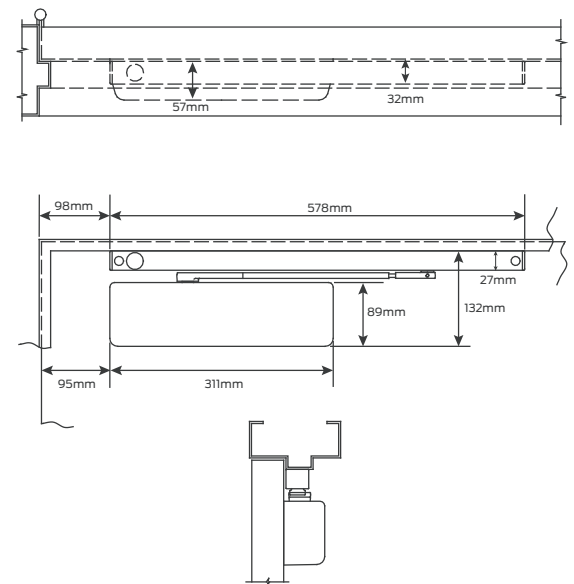
Hinge (pull side) mounting

Templating allows a maximum opening of 110° . The hold open function can be set to hold open at 3° increments between 85° and 110° . 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° installation. The track assemblies require a single power circuit for the holding solenoid.



Stop face (push side) mounting

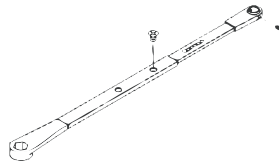
Templating allows a maximum opening of 110° . The hold open function can be set to hold open at 3° increments between 85° and 110° . Where the top rail is less than 146mm, a drop plate is required. The drop plate requires a top rail of 51mm. A 32mm minimum stop width is required. A minimum door width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



4040SE Series accessories

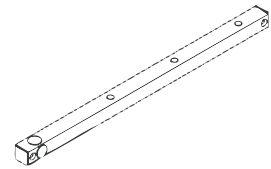
Track arm 4040SE-3077T

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



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 4310ME-3034

Quiet, low friction roller assembly. Shoulder dimension X = 3mm



Adaptor plate 4040-18

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

