

LCN®

4040XPT 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 4040XPT Series is a non-handed, non-sized track arm closer, specifically designed for interior doors. The choice of track functions and installation accessories meet virtually all architectural requirements.

The LCN 4040XPT Series is a heavy duty closer designed to be used on aluminium, hollow metal or wood swinging commercial interior doors and is ideally suited for institutional and other high traffic applications.

Features

- Universal, fully reversible, non-handed door closer
- Closer cylinder constructed of high strength cast iron for extra durability
- Tested to 1,500,000 cycles
- Fully adjustable 1-4 spring strength to suit door size and site conditions
- 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
- Fast adjust dial (fast accurate spring tension) to help installers accurately adjust the closer to match the conditions of the entrance. As spring power is adjusted, the size appears on the face of the dial
- Stick-on template for fast, accurate installation. Cuts installation time in half
- 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 | Function | Finish |
|----------------------------------|---------------------------------------|----------------------|
| LCN 4040 Series LCN4040XPT | Regular R Hold open HO | Aluminium ALUM |

1. Series
Select the desired series e.g. LCN 4040XPT Series LCN4040XPT
2. Function
Select the required function LCN4040XPTHO
3. Finish
Select the desired finish e.g. Satin stainless steel LCN4040XPTHOALUM

Selection chart

Select strength based on width of door

| Strength | Exterior door | Interior door |
|----------|---------------|----------------|
| 1 - 2 | NA | 660mm - 868mm |
| 3 | NA | 868mm - 965mm |
| 4 | 762mm - 914mm | 965mm - 1219mm |

Specifications

| | |
|----------------------------|--|
| Door type | Timber or metal |
| Door size | External door 660mm - 1219mm Internal door 660mm - 1524mm |
| Applications | Regular - pull side mount Stop face - push side mount Top jamb - push side mount |
| Adjustment controls | Closing speed Latching speed Backcheck |
| Strength | 1-4 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 4040XPT is designed for reduced opening force which when set to a 1 strength makes 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

Note

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

Regulating controls

The LCN 4040XPT 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 |

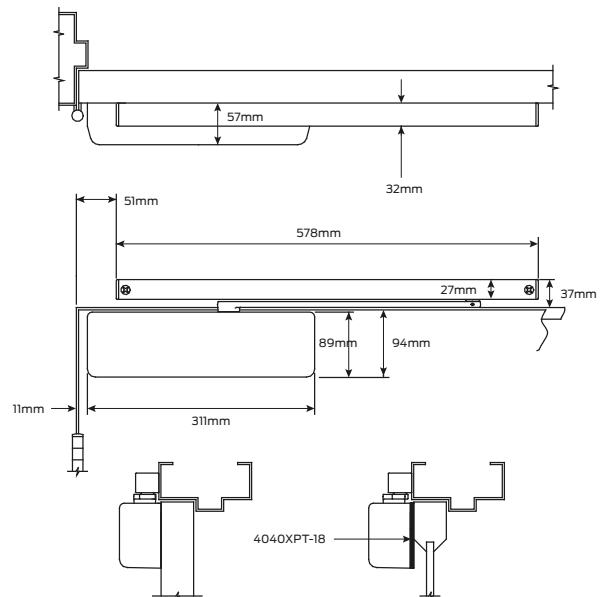
Functions

| | |
|-----------------------|--|
| 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 |
| Delayed action | Delayed action closers have an inbuilt adjustable control that delays the closing of the door, for up to 1 minute. The delayed action feature allows unimpeded movement through the door which makes this function suitable for frail, aged and disabled environments. The delay adjustment is totally independent of the back check adjustment. Pressure override allows the closer to be pulled closed from the delay cycle without causing damage |
| Track bumper | Cushions opening swing at maximum opening. Limits degree of opening. Pull side mount 115° Top jamb mount 115° Stop face mount 100° Note: Does not replace auxiliary stop |

Mounting details

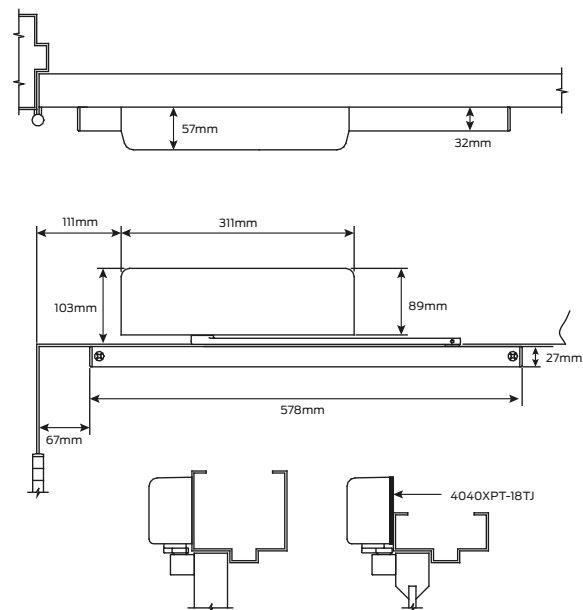
Regular (pull side) mounting

Pull side mounting has a maximum opening of 120°. The hold open clip allows the door to be held open at the following points; 85°, 90°, 95°, 100°, 105° or 110°. The reveal should not exceed 3mm. Top rail less than 95mm requires adaptor plate. Adaptor plate requires a 46mm minimum top rail. Clearance of 70mm behind door is required for 90° installation



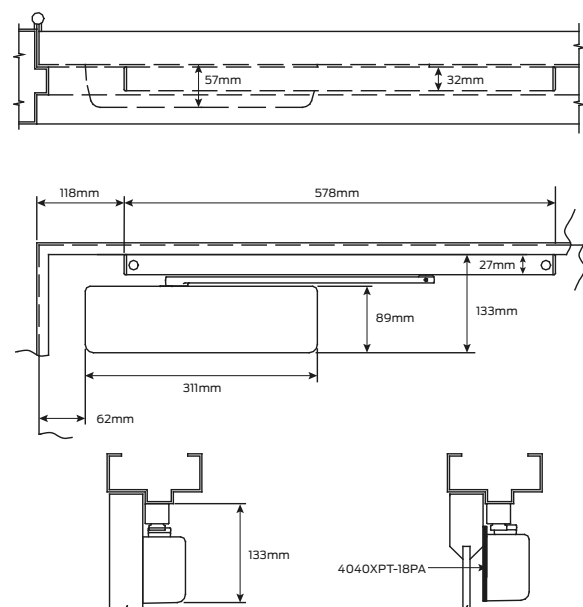
Top jamb (pull side) mounting

Top jamb mounting has a maximum opening of 180°. The hold open clip allows the door to be held open at the following points; 85°, 90°, 95°, 100°, 105° or 110°. The reveal on the hinge side should not exceed 3mm. A head frame less than 98mm requires an Adaptor plate. The plate requires a 44mm minimum head frame. Clearance of 38mm behind door is required for 180° installation



Stop face (push side) mounting

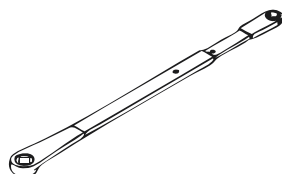
Push side mounting has a maximum opening of 120°. The hold open track allows the door to be held open at the following points; 85°, 90°, 95°, 100°, 105° or 110°. Clearance projects 70mm from face of door. Top rail less than 133mm measured from the stop requires drop plate. The drop plate requires a 89mm minimum top rail. Minimum stop width is 32mm



4040XPT Series accessories

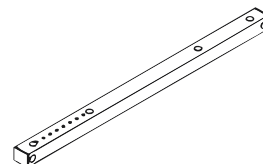
Track arm 4041-3077T

Standard, non-handed arm mounts pull side, top jamb or pull side. Track roller is not included with arm
Finish: Aluminium



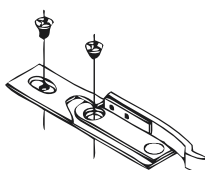
Track 4041-3038T

Non-handed, non-hold open track mounts on either side of the door
Finish: Aluminium



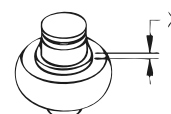
Hold open clip 4041-3054

Handed clips, mounts in track to provide hold open function. The hold open point is controlled by the location of the clip



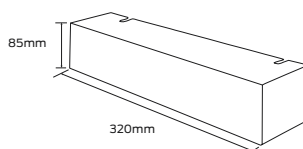
Track roller 4041-3034

Quiet, low friction roller assembly.
 Shoulder dimension X = 1mm



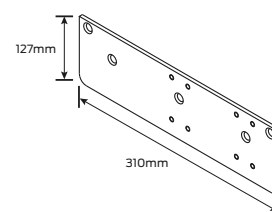
Square metal cover 4041-MC

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



Adaptor plate 4040-T18

Mounting plate required top jamb mounting where head frame is less than 60mm or a flush ceiling condition exists





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