

Building Product Information Requirements Disclosure

LCN Door Closers

Product name	LCN door closers
Product category	Door closers
Product identifier (Allegion product series)	1461/1461T, 4031/4031T, 4040XP/4040XPT, 4040, 4300

Product description

LCN door closers are designed for use on timber, aluminium, or hollow metal doors in commercial or residential buildings to maintain door control for medium to high traffic doors.

Door control ensures that the door speed is controlled through the opening cycle (including backcheck) and closing cycle (including latching speed).

LCN door closers can be concealed mount, door mounted, lintel mounted, and parallel arm mounted. They are manufactured from steel, hydraulic oil, and metal or plastic covers.

Relevant building code clauses

Building Regulations 1992, Section D1 – Access routes

D1.3.4 (f) – have doors and related hardware which are easily used.

LCN door closers comply with D1 access routes by virtue of easily functioning door hardware that controls the opening and closing speed of the door for those using wheelchairs or aid supports.

Scope of use

LCN door closers are used within a commercial or residential building to:

- Control the opening and closing operations of the door
- Maintain the fire-rating of a door
- Prevention of injuries from doors slamming
- Prevention of damage to a property of inappropriate use

Except for Special Rust Inhibitor (SRI) models, the LCN door closer range is designed for internal use only.

Conditions of use

LCN products should be mounted according to the supplied installation instructions. Acceptable mounting options are:

- Concealed mount
- Door mounted
- Lintel mounted
- Parallel arm mounted

Fire Rating: Successfully tested on fire door assemblies in accordance with AS 1905 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.

Supporting documentation

All BPIR documents can be found on our website www.allegion.co.nz/BPIR

Further supporting documentation including product catalogues, installation, and care and maintenance documents are available for each of our products provided in the links below.

Product Series	URL
LCN 1461/1461T	https://www.allegion.co.nz/en/products/commercial-security/mechanical-security/door-controls/surface-mounted-closers/lcn-1460-1461-series.html#
LCN 4031/4031T	https://www.allegion.co.nz/en/products/commercial-security/mechanical-security/door-controls/surface-mounted-closers/lcn-4031-series/lcn-4031-series.html
LCN 4040XP/4040XPT	https://www.allegion.co.nz/en/products/commercial-security/mechanical-security/door-controls/surface-mounted-closers/lcn-4040xp-series.html
LCN 4040	https://www.allegion.co.nz/en/products/commercial-security/mechanical-security/door-controls/surface-mounted-closers/lcn-4040se-series.html
LCN 4300	https://www.allegion.co.nz/en/products/commercial-security/electronic-security/fire-life-safety-closers/electrohydraulic-door-closers/lcn-4310me-series.html

Contact details

Manufacture location	Overseas
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Warnings and bans

LCN door closers are not subject to any warnings or bans under section 26 of the Building Act 2004.

Appendix

Building code performance clauses

All relevant building code performance clauses listed in this document:

Section D1 – Access routes

D1.3.4 An accessible route, in addition to the requirement of Clause D1.3.3, shall:

- a) be easy to find, as required by Clause F8 Signs,
- b) have adequate activity space to enable a person in a wheelchair to negotiate the route while permitting an ambulant person to pass,
- c) include a lift complying with Clause D2 Mechanical installations for access to upper floors where:
 - i. buildings are four or more storeys high,
 - ii. buildings are three storeys high and have a total design occupancy of 50 or more persons on the two upper floors,
 - iii. buildings are two storeys high and have a total design occupancy of 40 or more persons on the upper floor, or
 - iv. an upper floor, irrespective of design occupancy, is to be used for the purposes of public reception areas of banks, central, regional and local government offices and facilities, hospitals, medical and dental surgeries, and medical, paramedical and other primary health care centres,
- d) contain no thresholds or upstands forming a barrier to an unaided wheelchair user,
- e) have means to prevent the wheel of a wheelchair dropping over the side of the accessible route,
- f) have doors and related hardware which are easily used,
- g) not include spiral stairs, or stairs having open risers,
- h) have stair treads with leading edge which is rounded, and
- i) have handrails on both sides of the accessible route when the slope of the route exceeds 1 in 20. The handrails shall be continuous along both sides of the stair, ramp and landing except where the handrail is interrupted by a doorway.