Instructions

1. Make sure hand of closer and door correspond. Hand of closer is stamped on finish plate. Hand of closer can not be reversed.
2. If door and frame are not prepared for closer and track, prepare to dimensions shown on other side.
3. Install closer in prepared frame with proper screws. Replace finish plate (or frame plate provided by frame manufacturer) and be sure plate is flush with soffit. Place arm on closer shaft and secure with shaft screw. Insert track roller in track. Install track level in door.
4. Hang door on butts. Be sure there is no bind or friction. Open door 45° and pull arm away from stop. Using allen wrench furnished, back out arm set screw to clear arm roller stud. DO NOT DRIVE ARM DOWN OVER ROLLER STUD. Lift end of arm up and over roller and gently fit roller stud into arm. Tighten self locking set screw.

5. IMPORTANT: Closer has been regulated prior to shipment. Adjust regulation only if necessary. Use a 3/32” hex wrench and to adjust speed (see illustration). To slow main speed of door, turn regulating screw nearest shaft clockwise. To slow latch speed of door, turn regulating screw nearest hinge clockwise. BACKCHECK To increase backcheck intensity, turn regulating screw nearest latch clockwise.

6. Adjust CLOSING POWER only if more power is needed. Closer is shipped with minimum closing power preset. To increase CLOSING POWER turn spring adjusting screw clockwise. Maximum adjustment is 18 turns.

7. HOLD OPEN ADJUSTMENT: Change the hold open position by removing screws (1) and then (3). Locate to required position as shown. (See illustration for hold-open spring clip position.) Install screw (3) securely. Tip cam (2) into track and locate as shown. Install long green screw (1) securely. Push door into hold open position. For INCREASED HOLDING POWER, loosen long green screw (1), slide cam (2) TOWARD LATCH, retighten long green screw (1) securely. For DECREASED HOLDING POWER, loosen long green screw (1), slide cam (2) TOWARD HINGE edge of door, retighten long green screw (1) securely.

![Diagram of closer installation](image)

**CAUTION**

Improper installation or regulation may result in personal injury or property damage. Follow all instructions carefully. For questions, call LCN at 877-671-7011

Customer Service
1-877-671-7011 www.allegion.com/us

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AUXILIARY STOP RECOMMENDED

ON METAL FRAMING, THE SECTION OF SOFFIT & STOP AT CLOSER MUST BE REMOVABLE. THIS SECTION MUST BE SUPPLIED BY THE FRAME MANUFACTURER TO INSURE CONFORMITY WITH REMAINDER OF THE FRAME. CONTOUR OF FRAME MAY VARY FROM THAT SHOWN.

ON WOOD FRAMING A METAL FINISH PLATE IS SUPPLIED BY LCN CLOSERS TO COVER ENTIRE CLOSER. IF APPLIED STOP IS USED THE ENTIRE HEAD STOP SHOULD BE SCREWED IN PLACE SO IT WILL BE REMOVABLE. THIS MAKES CUTTING OF STOP OVER CLOSER UNNECESSARY.

\[ \text{\( \frac{1}{4} \) DIMENSION MAY BE INCREASED TO \( \frac{7}{8} \) TO ACCOMmodate VARYING WALL THICKNESSES. SUBMIT DETAILS TO LCN FOR SPECIAL INSTRUCTIONS.} \]

1. FOR 180° OPENINGS, MAX. ALLOWABLE BUTT SIZE IS 5" x 5".
2. MIN. STOP THICKNESS 1\( \frac{1}{2} \)
3. 1\( \frac{1}{8} \)" DOOR TO SOFFIT CLEARANCE REQUIRED.
4. REINFORCING PER ANSI/SDI-100 RECOMMENDED FOR HOLLOW METAL DOORS & FRAMES.
5. WITH 2" HEADER ON HOLLOW METAL FRAMES, THE HEADFRAME MUST BE MORTISED.

LEFT HAND DOOR AND CLOSER SHOWN. RIGHT HAND OPPOSITE

| Inch | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| mm   | 76 | 95 | 114 | 133 | 152 | 172 | 191 | 210 | 229 | 248 | 267 | 286 | 305 | 324 | 343 | 362 | 381 | 400 | 419 | 438 |

OVERHEAD CONCEALED CLOSER WITH CONCEALED ARM & TRACK

"LCN®" DO NOT SCALE

REV. 8

6/90

REV. 10

5/92

REV. 11

3/94

REV. 12

11/97

DRAWN BY CTB 1/94

2010