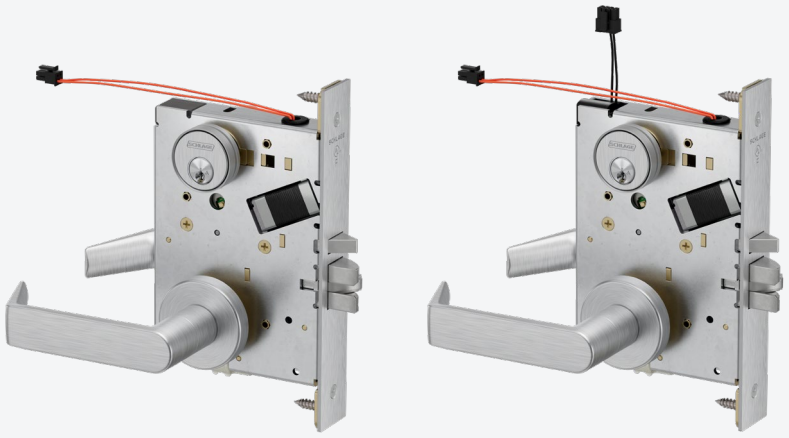
L Series

Motorized Latch Retraction Mortise Locks



Overview

Latch retraction capable L Series Grade 1 locks create application opportunity across many markets whether the need is security, controlled access or hands-free operation. They can replace the need for electric strike use in a form that is more secure and aesthetically pleasing. Quiet operation makes them ideal for Health Care environments or anywhere repeat user exit and entry can become an annoyance.

Use in conjunction with an auto operator

- Accessible public restrooms
- High security data storage areas
- Hands-free entries for infection control and clean room applications
- Spaces requiring cart access such as storage areas
- Loading dock single delivery doors

Low traffic openings where limited or timed access is needed

- Conference or training areas
- Daytime employee access
- Service/utility closets

K-12

- Visitor entrance vestibules
- Administration office access
- Classroom doors with centralized lockdown

As part of the L Series mortise family, motorized latch retraction functions fit seamlessly in your facility. They use the same door pocket as a mechanical or electrified L Series lock. Unlike electrified strikes, they do not require the cutting of the door frame which can risk the fire rating of the entry. Wiring moves through the door to connect on the same side as an auto operator.

L Series mortise locks include Schlage's most diverse aesthetic options in a design built for performance, security and durability. Latch retraction functions can be used as part of an integrated system or as a standalone solution with a buzzer or other device as the controller. The L Series offers exceptional flexibility and power savings. Utilizing the same levers, trims and options as the mechanical Schlage L Series mortise, they suite seamlessly with the other L Series hardware which includes both purely mechanical and fully electronic solutions.

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Features & Benefits

All functions:

- Quick, motor-controlled activation enables momentary or continuous (push/pull) operation
- Patent-pending feature detects binding conditions on the motor and adjusts as needed to overcome side load, static pressure and warped door conditions
- Quiet, stepper motor uses 24V DC to produce high torque at low speeds
- Fits same door prep as Schlage L9000 mortise locks
- Most functions accommodate optional use of Request-to-exit (RX) and/or Latchbolt monitor (LX)
- Modular design allows RX feature to be added at a later time without opening the lock case
- UL listed for 3-hour fire door
- Available in all L Series finishes, lever designs, roses and escutcheons

Electrically locked/unlocked functions:

- 3 of 6 functions feature user selectable fail safe/fail secure lever control
- Separate motors control lever and latch
- Peak power consumption combined is 1.8 amps
- Low holding current on lever motor produces minimal heat, eliminating "hot levers" in electrically locking applications

Mechanical Specifications	
Case material	Cold Rolled Steel (CRS) with zinc dichromate plating
Case size	L9000 Series: 4-7/16" x 6-1/16" x 1" (113 mm x 154 mm x 25 mm)
Spacing	Lever to cylinder: 3-7/8" (98 mm); Lever to thumbturn hub: 2-11/16" (68 mm)
Door thickness	Standard: 1-3/4" (44 mm) Optional: 1-3/8" (35 mm) Over 1-3/4" (44 mm) specify door thickness and position in door EE, EI, EO, ED
Backset	2-3/4" (70 mm) only

Trim	
Handing	Field-reversible without disassembly
Lever/knob	33 lever designs: Forged brass and cast stainless steel Tactile warning applied to outside lever; available on 01, 02, 03, 05, 06, 07, 12, 17, 18, M51, M52, M81, ME1, ME2, ME3 lever designs
Rose/ escutcheon	L escutcheons: 7-15/16" x 1-3/4" x 7/16" (202 mm x 44 mm x 11 mm); cold-forged brass and stainless steel N escutcheons: 7-7/8" x 2-1/2" x 7/16" (200 mm x 64 mm x 11 mm); heavy-wrought, reinforced brass and stainless steel Roses: A, B, C: wrought brass and stainless steel; AVA and MER: forged brass
Options	1/8" thick lock case lead lining available for use in x-ray or other rooms with radiation concern

Latches, Armors & Strikes	
Armor	Standard: 1-1/4" x 8" x 7/32" (32 mm x 203 mm x 6 mm) Optional: 1-1/16" x 8" x 7/32" (27 mm x 203 mm x 6 mm)
Latch	3/4" (19 mm) throw stainless steel latch with anti-friction tongue
Strike	Standard: ANSI curved lip strike 1-1/4" x 4-7/8" (32 mm x 124 mm) x 1-3/16" (30 mm) lip with dust box; Optional: Extended lip strike options (7/8", 1", 1-1/2", 1-3/4", 2")

Keying	
Cylinder format	6-pin Conventional mortise cylinder (standard); also available in concealed mortise cylinder, FSIC, SFIC and 7-pin SL cylinder formats plus less cylinder options. Two nickel silver cut keys per lock.
Keyway	Patented Everest 29 S123 (standard); also available in open, restricted, and Primus security levels with available master keying and construction keying.

Warranty	
	3-year limited electromechanical

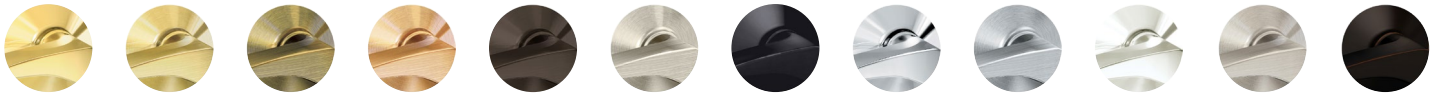
Electronic Specifications	
Input voltage	24V DC operation only
Operating mode	Fail Safe or Fail Secure via switch on chassis (except L9510, L9580, and L9582)
Peak current	Latch retraction: 1.4 amp Lever control: 0.4 amp
Holding current	Latch retraction: 0.1 amp Lever control: 0.1 amp
Request to Exit	Modular option (when ordering or added in field) Rating: 2A @ 30V DC
Latch bolt monitor	Rating: 2A @ 30V DC
Interfacing devices	Biometric devices, wall switches, security consoles, access card readers, thermosensitive devices, smoke and fire alarms, telephone access controls, automatic time devices and computerized controls

Certifications	
ANSI/BHMA	ANSI/BHMA A156.13-2017 Series 1000, Grade 1 Operational and Security **With FSIC Interchangeable Core Cylinders:** Grade 1 Operational, Grade 2 Security **With SFIC Interchangeable Core Cylinders:** Grade 1 Operational, Grade 3 Security
ICC	Complies with ICC A117.1 Accessible and Usable Buildings and Facilities
UL/cUL	UL 10C and CAN/ULC-S104 3-hour fire door UL 437 Listed when using UL 437 Primus cylinder
UL 294	UL 294 Access Control Performance Levels: Destructive Attack, Level 1; Line Security, Level 1; Standby Power, Level 1; Endurance, Level IV (with LX, Endurance, Level I).
CA Fire Code	All levers with a return to door of 1/2" (13 mm) or less comply (Formerly Title 19, California State Fire Marshal Standard)
Building codes	Miami-Dade NOA and Florida Building Commission listings; Texas Department of Insurance (TDI) for impact and non-impact applications
Federal	BAA compliant, all functions

Functions

Latch retraction only		Options	
L9510	Passage latch	RX	LX
L9580	Storeroom lock	RX	LX
L9582	Institution lock	–	LX
Latch retraction with lever control		**Options**	
L9692EL/EU	Electrically locking/unlocking outside lever, outside cylinder	RX	LX
L9695EL/EU	Electrically locking/unlocking both levers, double cylinder	RX	LX
L9696EL/EU	Electrically locking/unlocking inside lever, double cylinder	RX	LX

Finishes



605 Bright Brass | 606 Satin Brass | 609 Antique Bronze | 612 Satin Bronze | 613 Oil Rubbed Bronze | 619 Satin Nickel | 622 Matte Black | 625 Bright Chrome | 626 Satin Chrome | 629 Bright Stainless | 630 Satin Stainless | 643e Aged Bronze

Note: Antimicrobial coating is available over 626 finish.

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