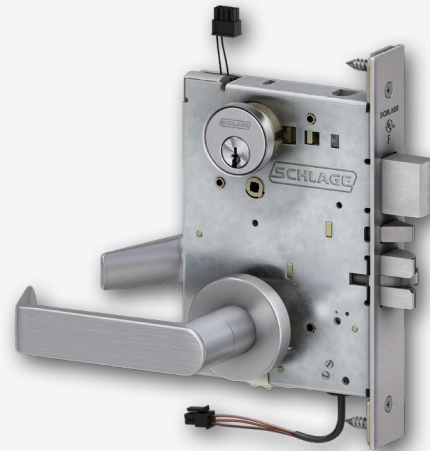


L Series

Electrified Mortise Locks with Lever Control



Overview

Many of the most advanced electronic access systems still rely on the strength and functionality of the mechanical lock hardware on the door. L Series electrified mortise locks include Schlage's most diverse aesthetic options in a design built for performance, security and durability. It 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. The lock automatically adapts to 12V or 24V DC input, and a case-mounted switch allows selection between EL and EU operation. Request-to-exit is modular and can be added without opening the lock case. 0.4 amp maximum current draw (24V operating voltage) allows multiple units on a single power supply, while 0.1 amp holding current eliminates "hot levers" in EL applications.

Utilizing the same levers, trims and options as the mechanical Schlage L Series mortise, it suites seamlessly with the other L Series hardware which includes both purely mechanical and fully electronic solutions. And because it is based on the Schlage L mortise, it carries the same proven record of performance, strength and durability from the most trusted name in the industry.

Recommended Applications

The wired electrified L Series is ideal for new construction and high traffic areas where hardwired power ensures continuous operation and where electrified door prep, hinges and wiring can easily be incorporated into the building. The electrified L Series is regularly used as part of an access control system for high security areas, or independently in areas that require a remote access switch.

Vandlgard® Feature

The Vandlgard optional feature available on many functions allows the outside lever to rotate freely down when in a locked state. This limits the ability of vandals to apply excessive force to the lever helping to prevent damage to internal components.



Features & Benefits

- Universal input voltage – accepts 12V or 24V DC for installation flexibility
- User selectable fail safe/fail secure through use of switch on lock case
- Low maximum current draw allows multiple locks on a single power supply
- Low holding current produces minimal heat, eliminating "hot levers" in electrically locking applications
- 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 with Vandlgard® lever engagement – ideal for areas subject to abuse or vandalism
- Extensive options for lever styles, finishes and functions
- Optional feature on two functions allows key override of the inside thumbturn when it is being held in the locked position to stop unwanted barricade situations

Available options:

- Request-to-Exit (RX)
- Latchbolt Monitor (LX)
- Door Position Sensor (DPS) – non-deadbolt functions only
- Deadbolt Monitor (DM) – standard, deadbolt functions only



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	Knob or lever to cylinder: 3-7/8" (98 mm); Knob or lever to thumbturn hub: 2-11/16" (68 mm)
Door thickness	Standard: 1-3/4" (44 mm) Optional: 1-3/8" (35 mm) to 2-1/2" (64 mm); over 2-1/2" door ranges vary by function. Specify door thickness greater than 1-3/4" 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 Two knob designs: Heavy-duty wrought brass or stainless steel Ligature-resistant and hospital push/pull trim also available 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
Combinations	Available with knob both sides, lever both sides, or knob/lever combinations. Roses cannot be combined with escutcheons.
Finishes	12 available; 626 and 630 finishes are also available with optional antimicrobial coating. High Security Ligature-Resistant trim (HSLR) is available in 630 satin stainless steel only

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
Deadbolt	1" (25 mm) throw stainless steel deadbolt
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 available

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
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Electronic Specifications

Voltage	Auto-detects 12/24V DC operation
Peak current	12V operating voltage: 1 amp 24V operating voltage: 0.4 amp
Holding current	0.1 amp
Operating temperature	Maximum +120°F (+49°C) Minimum -32°F (0°C)
Interfacing devices	Biometric devices, wall switches, security consoles, access card readers, thermo- sensitive devices, smoke and fire alarms, telephone access controls, automatic time devices and computerized controls
Micro switch electrical rating for request-to-exit (RX) function and latchbolt monitor (LX)	Rating: 2A @ 30V DC

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

Electrified Lever Control Functions

No cylinder	L9090EL/EU electrically locking/unlocking outside lever L9091EL/EU electrically locking/unlocking both levers
Outside cylinder	L9092EL/EU electrically locking/unlocking outside lever L9093EL/EU Electrically locking/unlocking both levers
Inside & outside cylinder	L9095EL/EU electrically locking/unlocking both levers

Electrified Lever Control Functions with Deadbolt

Outside cylinder (Optional key override feature available)	L9492EL/EU electrically locking/unlocking outside lever; deadbolt with inside thumbturn L9493EL/EU electrically locking/unlocking both levers; deadbolt with inside thumbturn
Inside and outside cylinder	L9494EL/EU electrically locking/unlocking outside lever; deadbolt L9495EL/EU electrically locking/unlocking both levers; deadbolt

Note: See [catalog](#) for additional details.

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