



# L Series

## Electrified Mortise Lock



### 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.

### 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

| L Series Mechanical Specifications |   |
|------------------------------------|---|
| Handing                            | Field reversible  |
| Door thickness                     | 1-3/4" (44 mm) standard, 1-3/8" (35 mm) to 2-1/2" (64 mm) optional. Over 2-1/2" (64 mm) door ranges vary by function. Specify door thickness other than 1-3/4" and position in door EE, EI, EO, and ED.   |
| Backset                            | 2-3/4" (70 mm) only   |
| Armor front                        | Standard: 1-1/4" x 8" x 7/32" (32 mm x 203 mm x 6 mm)<br>Optional: 1-1/16" x 8" x 7/32" (27 mm x 203 mm x 6 mm)   |
| Case size                          | 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)   |
| Bolts                              | 1" (25 mm) throw stainless steel deadbolt and 3/4" (19 mm) throw stainless steel latch with anti-friction tongue  |
| Cylinders and key systems          | Standard: 6-pin, solid brass cylinder is standard in the patented Schlage Everest 29 S123 keyway; two nickel silver cut keys per lock<br>Additional keying options available: Conventional and interchangeable cores; master and grand master keying; compatible with competitor cylinders and cams that support the L9000 Series |
| Strike                             | ANSI curved lip strike 1-1/4" x 4-7/8" (32 mm x 124 mm) x 1-3/16" (30 mm) lip to center with dust box standard  |
| Trim                               | Five roses (sectional) and two escutcheons available  |
| Levers                             | 33 lever and two knob designs<br>Ligature-resistant and hospital push/pull trim also available  |
| Finishes                           | 12 available; antimicrobial coating option available on 626 and 630 finishes  |

| L Series Electronic Specifications  |  |
|---|--|
| Voltage   | Auto-detects 12/24V DC operation   |
| Peak current  | 12V operating voltage: 1 amp<br>24V operating voltage: 0.4 amp   |
| Holding current   | 0.1 amp  |
| Operating temperature   | Maximum +120°F (+49°C)<br>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) | 3 amps, 125V AC; 2 amps, 30V DC  |

| L Series Electrified Functions |  |
|--------------------------------|--|
| No cylinder                    | L9090EL/EU electrically locking/unlocking outside lever<br>L9091EL/EU electrically locking/unlocking both levers |
| Outside cylinder               | L9092EL/EU electrically locking/unlocking outside lever<br>L9093EL/EU Electrically locking/unlocking both levers |
| Inside and outside cylinder    | L9095EL/EU electrically locking/unlocking both levers  |

| L Series Electrified Deadbolt Functions                    |  |
|--|--|
| Outside cylinder (Optional key override feature available) | L9492EL/EU electrically locking/unlocking outside lever; deadbolt with inside thumbturn<br>L9493EL/EU electrically locking/unlocking both levers; deadbolt with inside thumbturn |
| Inside and outside cylinder                                | L9494EL/EU electrically locking/unlocking outside lever; deadbolt<br>L9495EL/EU electrically locking/unlocking both levers; deadbolt   |

Note: See pricebook for additional details.

## Vandlgard®

The outside lever rotates freely down when locked, limiting the ability of vandals to apply excessive force which could damage the lock. Available on all electrified functions.

