ND Series

Electrified Cylindrical Lock

Overview

Many of the most advanced electronic access control systems still rely on the strength and functionality of the mechanical lock hardware on the door. ND Series electrified locks feature Schlage's most robust cylindrical design built for performance, security and durability. It is a "beyond grade 1" lock in terms of strength and can be used as part of an integrated system or as a standalone solution with a buzzer or other device as the controller.

The Schlage ND cylindrical lock uses a motor instead of a solenoid to provide quiet operation and energy efficiency. The maximum current draw of 0.24 amp allows more locks to run off a single power supply. A low, 0.010 amp holding current eliminates any potential for hot levers in electrically locking applications or in electrically unlocking applications where the door is left open for long periods of time. ND Series can be quickly and easily installed and is compatible with various key systems for field adaptability. It suites seamlessly with the other ND Series hardware which includes both purely mechanical and fully electronic solutions.

When it comes to access control, mechanical components are just as important as their electronic counterparts. The Schlage ND Series provides versatility and easy installation to complete your access control system.

Recommended Applications

The wired electrified ND 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 ND 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

- Exceeds ANSI A156.2 series 4000 Grade 1 torque requirements
- Universal input voltage – accepts 12V or 24V DC for installation flexibility
- Change operation mode between Electrically Unlocking (EU or Fail Secure) and Electrically Locking (EL or Fail Safe) by simply flipping a switch on the chassis
- 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
- Request-to-exit functionality can be easily upgraded in the field with the following kit part #: N123-062
- Extensive options for lever styles, finishes and functions
- UL listed for 3-hour fire door
- Available with Vandlgard® lever engagement on storeroom function - ideal for areas subject to abuse or vandalism

ND Series Mechanical Specifications	
Handing	Non-handed
Door thickness	1-5/8" to 2-1/8" (41-54 mm) standard including Vandlgard
Backset	2-3/4" (70 mm) standard, 2-3/8", 3-3/4" and 5" (60, 92, and 127 mm) optional
Faceplate	Brass or stainless steel; 1-1/8" x 2-1/4" (29 mm x 57 mm) square corner, beveled
Lock chassis	Zinc and steel components plated for corrosion resistance
Latch	Stainless steel, 1/2" (12 mm) throw, spring latch or deadlatch; 3/4" (19 mm) throw anti-friction deadlatch available for pairs of fire doors
Exposed trim levers	Pressure cast zinc, plated to match finish designation in nine designs
Roses	Wrought brass or zinc, plated to match product finish specification
Strike	ANSI curved lip strike 1-1/4" x 4-7/8" (32 mm x 124 mm) with 1-3/16" lip length standard
Cylinders and keys	Standard: 6-pin, solid brass Conventional (KIL) cylinder in the patented Schlage Everest 29 S123 keyway; two nickel silver cut keys per lock
Keying options	Available in 6-pin full size interchangeable core (FSIC), 7-pin SL in Conventional and FSIC formats, and 7-pin small format interchangeable core (SFIC). Less cylinder options are available made to fit Primus Conventional and FSIC formats plus non-Schlage cylinders from Best, Corbin Russwin, Medeco, Sargent and Yale.
Lever design and finish	Nine lever designs are available in nine finishes. 626 finish is also available with optional antimicrobial coating. High Security Ligature-Resistant trim (HSLR) is available in 630 satin stainless steel for all functions.

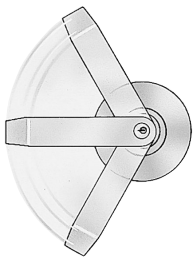
ND Series Electronic Specifications	
Voltage	Auto-detects 12/24V DC operation
Peak current	0.24 amp (240mA) at 70° F
Holding current	0.01 amp (10mA)
Operating temperature	Maximum +120°F (+49°C) Minimum 32°F (0°C)
Micro switch electrical rating for request-to-exit (N523-194) function	2 amps 30V DC

ND Series Electrified Functions	
No cylinder	ND12EL: Exit lock, electrically locked outside lever (fail safe) ND12EU: Exit lock, electrically unlocked outside lever (fail secure)
Outside cylinder	ND80EL: Storeroom lock, electrically locked outside lever (fail safe) ND80EU: Storeroom lock, electrically unlocked outside lever (fail secure)
Vandlgard	ND96EL: Vandlgard® storeroom lock, electrically locked outside lever (fail safe) ND96EU: Vandlgard® storeroom lock, electrically unlocked outside lever (fail secure)

Note: See catalog for additional details.

Vandlgard® Functions

Some functions feature Vandlgard locked lever protection. It allows the outside lever to rotate freely up and down when locked to limit the ability of vandals to apply excessive force to the chassis helping to prevent damage to internal components.



004999, Rev. 10/24