

# ND Series wired electrified locks

The ND wired electrified lock complements the ND mechanical lock by working with access control systems to provide advanced security in high traffic areas. Because the electrified ND uses a motor instead of a solenoid, it offers unparalleled energy efficiency and flexibility in wired electrified applications.

**More ECO.** A maximum current draw of 0.23 amps not only saves energy, but by allowing more locks to run off a single power supply it saves money as well. The 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.

**More FLEX.** The electrified ND has flexibility for any application—it automatically operates from 12 to 24VDC, and the operating mode (electrically locked or unlocked) can be changed by simply toggling a switch on the chassis. Request to Exit (RX) can even be added with a simple upgrade kit.

The electrified ND has a number of other features and benefits. Incredibly quiet operation. Tested to over 4x BHMA standards. The electrified ND also comes standard with the Allegion connect Molex™ connector system (may be cut off and installed using traditional splicing methods if desired).



**ND Series wired electrified lock**  
**Function list**

Keyless		Keyed		Keyed Vandlgard	
Schlage	ANSI	Schlage	ANSI	Schlage	ANSI
<b>ND12ELD</b> <b>ND12EUD</b>	-	<b>ND80ELPD</b> <b>ND80EUPD</b>	-	<b>ND96ELPD</b> <b>ND96EUPD</b>	-
<b>Keyless electrified exit</b>		<b>Electrified storeroom</b>		<b>Electrified storeroom with Vandlgard</b>	
<ul style="list-style-type: none"> <li>• Outside lever continuously locked (EL) or unlocked (EU) by 12-24V DC.</li> <li>• EL is fail safe (power fail unlocks outside lever).</li> <li>• EU is fail secure (power fail locks outside lever).</li> <li>• Inside lever always free for immediate egress.</li> </ul>		<ul style="list-style-type: none"> <li>• Outside lever continuously locked (EL) or unlocked (EU) by 12-24V DC.</li> <li>• EL is fail safe (power fail unlocks outside lever).</li> <li>• EU is fail secure (power fail locks outside lever).</li> <li>• Key outside serves as mechanical override.</li> <li>• Inside lever always free for immediate egress.</li> </ul>		<ul style="list-style-type: none"> <li>• Adds Vandlgard to ND80EL/EU.</li> <li>• Vandlgard allows outside spindle to disengage from latch when locked, limiting the ability of vandals to apply excessive force to the chassis. See page 16 for more details.</li> </ul>	
<b>Outside</b>	<b>Inside</b>	<b>Outside</b>	<b>Inside</b>	<b>Outside</b>	<b>Inside</b>
Electrified Available with RX		Electrified Available with RX		Electrified Available with RX	

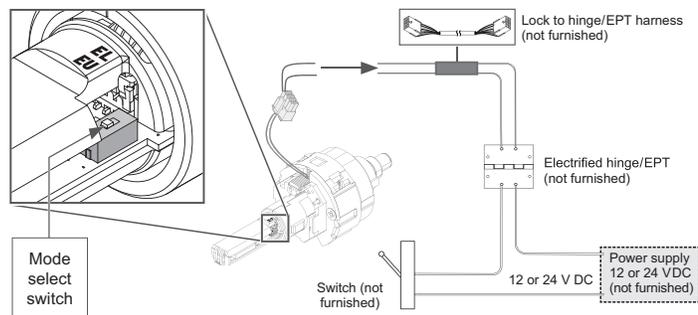
**Electrical requirements**

- Input voltage: auto-detects 10.8-26.8VDC
- Max current draw: 0.230 amp (230mA)
- Holding current: 0.010 amp (10mA)
- Temperature range: 32°F-120°F (0°-49°C)

**Request to Exit (RX)**

- Normally open, normally closed and common leads provided
- Electrical rating: 2A, 30VDC max
- Order (with lock): specify RX in option field
- Order (retrofit): p/n N123-062

**Wiring instructions**



Maximum Total Wire Length				
AWG	14	16	18	20
12 V	500' (152 m)	300' (91 m)	200' (61 m)	100' (30 m)
24 V	Up to 1000' (304 m)			

Note: Either lock wire may be attached to either power supply terminal (+ or -).