



Installation Guide

NOD-AX series

NOD-AX10S
NOD-AX15S
NOD-AX20S
NOD-AX25S



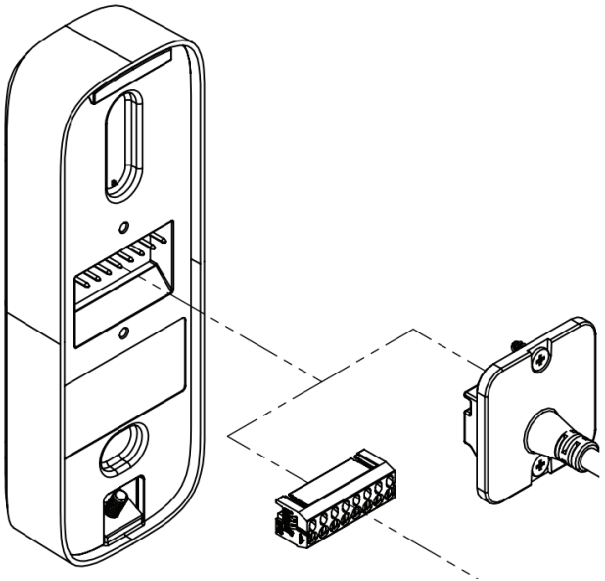
NOD-AX Series Reader Installation Guide

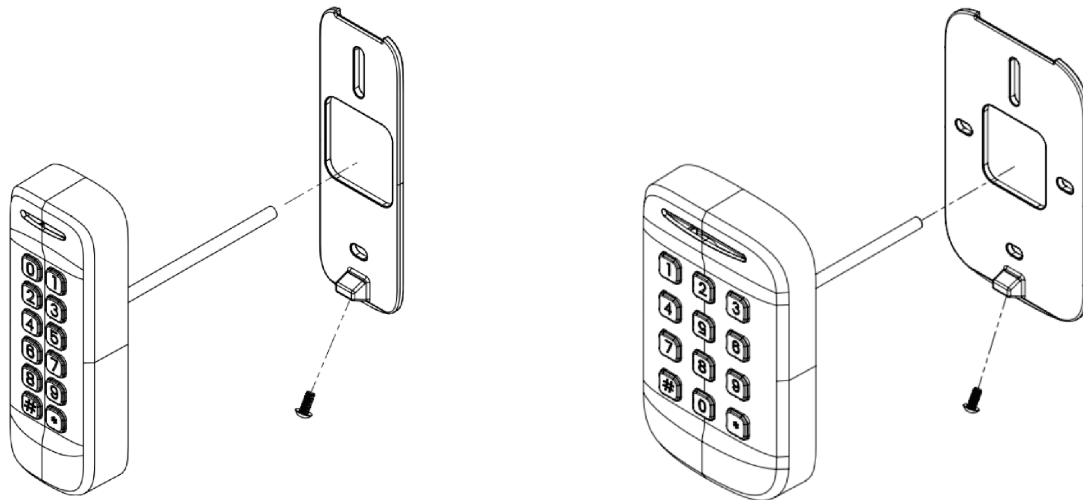
Included Parts:

- Reader and mounting Wall Plate
- #6 Machine Screws - QTY 2
- #6 Self Tapping Screws - QTY 2
- #6-32 Phillips Screw
- #6-32 Pin-in-Torx Screw

Tools Needed (Not Supplied):

- Phillips Screwdriver
- 1" (25mm), 1/8" (3.175mm) drill bits
- T6 Security Torx Bit (optional for increased tamper detection)
- #6-32 Tap if required

Wiring			Wiring is done with the terminal block or the pigtail (sold separately)
Pin	Color	Description	
1	Red	5-26VDC	
2	Black	Ground	
3	Green	Wieg D0/OSDP RS485A	
4	White	Wieg D1/OSDP RS485B	
5	Orange	Red LED Control	
6	Brown	Tamper Out	
7	Yellow	Buzzer Control	
8	Blue	Green LED Control	
<p>All wiring methods used shall be in accordance with the National Electrical Code, ANSI/NFPA 70 and local codes. Readers must be powered by a compatible UL Listed, power limited, access control panel rated 5-24VDC.</p>			



	Mullion AX10S	Mullion & Keypad AX15S	Single Gang AX20S	Single Gang & Keypad AX25S
Supported Frequencies	13.56MHz (NFC), 125 kHz (Prox), BLE Credentials and Configure App			
Typical Read Range	2"			
Voltage	5-24VDC			
Current @ 12V	500mA	500mA	500mA	500mA
Temperature	UL Tested -35° to 66°C and EN-40° to 70°C and 95% humidity			
Cable Length	Wiegand: 500 ft with 18 AWG Wiring OSDP RS485 (powered at 12VDC): 1000 ft with 22 AWG Twisted Pair			

Startup Sequence		
On power up, the Apex readers provide a LED and beeper sequence to provide information about the reader type and its communication mode. The first sequence describes the RF Technologies		
NOD-AX (HF + Prox + BLE)		
3 Green LED Flashes		
The second sequence indicates the Wiegand / OSDP Mode		
Wiegand Only	OSDP Only	Auto-Detect
Beep and Blink Red LED Once	Beep and Blink Red LED 2 Times	Beep and Blink Red LED 4 Times

Wiegand Keypad Mode Setup		
Within one minute of reader reset, enter the keypad config code: *88889999. The reader beeps three times, LED flashes green for each beep. Within 2 seconds of entering the keypad config code, press the corresponding key code below for the desired format. The reader then beeps three times, LED flashes green for each beep.		
4-Bit Format	8-Bit Format	26-Bit Format*
*4	*8	#XXX

Additional technical and troubleshoot info can be found by scanning the QR Code

Performance Levels:

Destructive Attack: I

Line Security: I

Endurance: IV (125 kHz, 13.56 MHz), I (BLE)

Standby Power: I

CAN / ULC 60839-11-1: Outdoor Rating Grade 1

Approvals:

EN302291, EN301489, EN300330, IP65, UL294

Patents -

US9558377, & US9747738B1

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help. This telecommunication equipment conforms to NTC technical requirement This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: 1. This device may not cause interference. 2. This device must accept any interference, including interference that may cause undesired operation of the device. L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: 1. L'appareil ne doit pas produire de brouillage. 2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

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