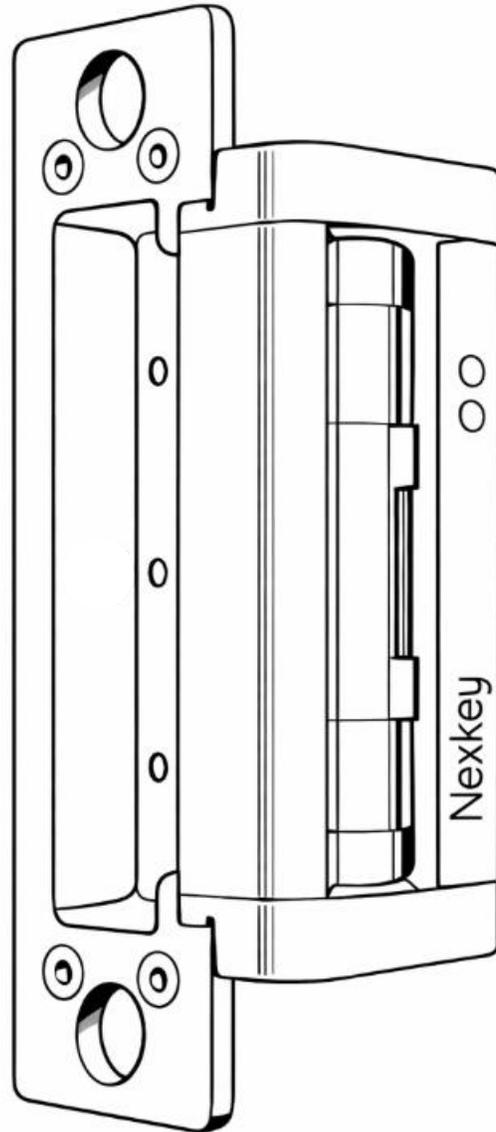# INSTALL GUIDE
Nexkey NK301 SOLO
Wireless, Readerless Electric Strike
V 2.0 - Feb. 2026

TABLE OF CONTENTS

PRE-INSTALLATION CHECKLIST

Commissioning a Solo

- Visit https://resellerlogin.nexkey.com/login and complete the Solo commissioning process.

- After commissioning is complete, you will be granted access and receive a digital key to operate and test the Solo.

Network & Connectivity

- For unlocks and administration the user's mobile device must have an active cellular data or Wi-Fi connection.

Door & Hardware Readiness

- Confirm the door is equipped with a properly functioning door closer to help prevent pre-load.

- Ensure the opening is in good working condition:

  - No door dragging

  - Proper alignment

  - Smooth operation

IMPORTANT SAFETY AND INSTALLATION WARNINGS

The following warnings must be read and followed.

Failure to follow these instructions may cause the Nexkey Solo to operate improperly and will void the warranty.

These warnings apply to all installation scenarios described in this manual.

Intended Applications & Compatible Hardware

Solo may only be used with mortise locks that DO NOT include a deadbolt.

Mortise locks with a deadbolt are NOT supported.

- Examples of incompatible mortise locks include:
  - Schlage L9000
  - ASSA ABLOY ACCENTRA™ 8700 (formerly Yale Commercial)

Solo is compatible with:

- Cylindrical locksets with a latch throw of up to 3/4 inch

Storeroom function hardware is strongly recommended.

Not intended for center-hung doors.

Exterior Door Installations:

- When installing on an exterior door, the opening must be protected by an awning or overhang.
- The Solo must not be exposed to direct weather conditions.
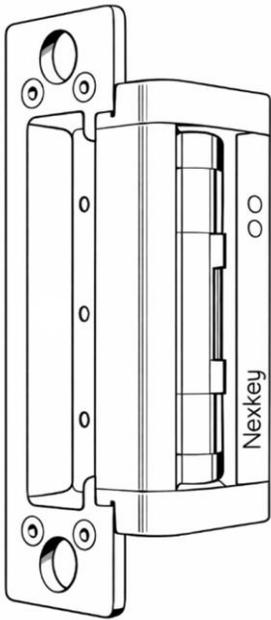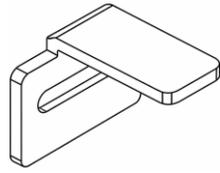- Solo is not waterproof certified.

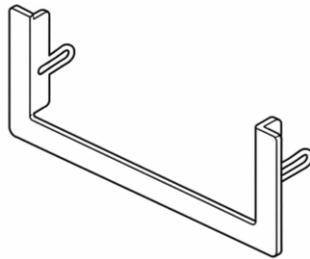| Specification	Description
Reader	Integrated reader. No external reader required.
Hardware Version	1.2
Power	(2) ER14250 1/2 AA Batteries
Unlock Credential	Nexkey Mobile App & Apple Watch
Device Requirements	iOS 16.6 or later, Android 11 and up
Reader Range	Up to 30 feet

WHAT'S IN THE BOX

Deadlatch stop

(2) ER14250 batteries

NK301 Solo

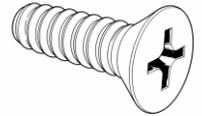**Goof plate**

(3) Goof plate / deadlatch stop screws

(2) Solo mounting screws

What you'll need

- A working cellular data or internet connection
- A smartphone or tablet

Tools

- Dremel or preferred cutting tool
- Pliers
- File
- Pencil
- Philips head screwdriver
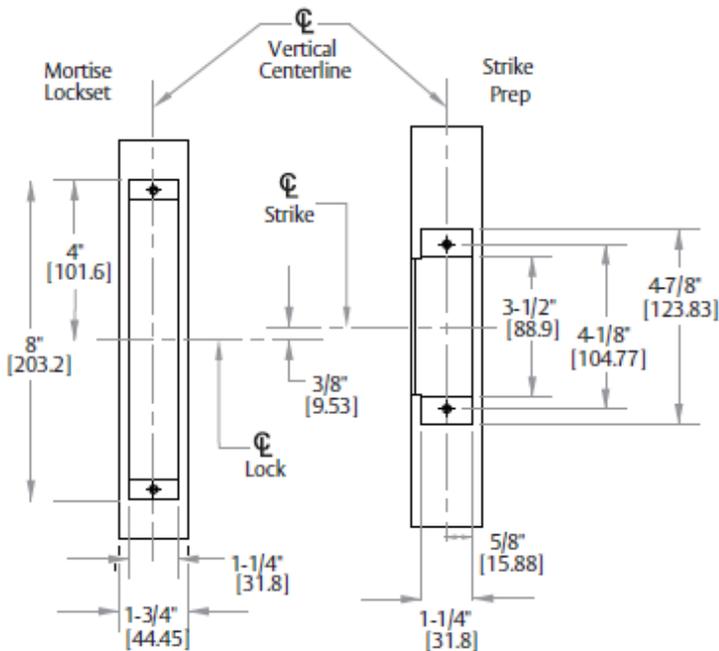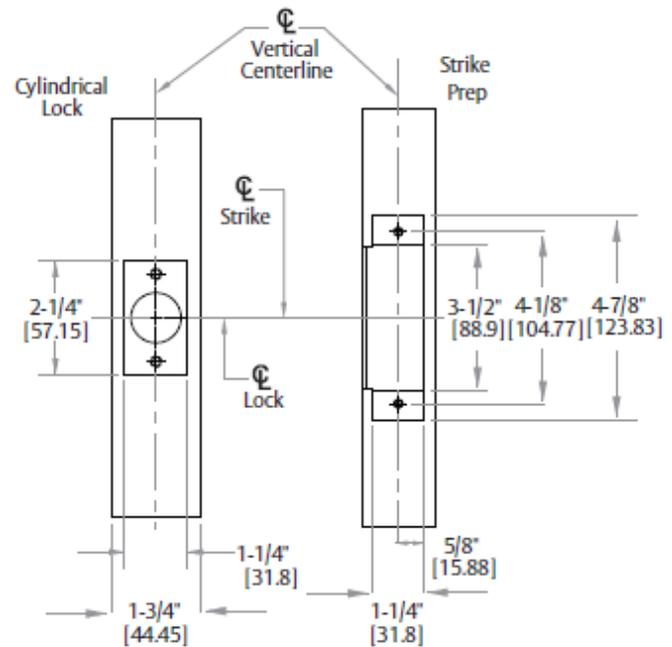- Ruler
- Safety glasses

INSTALLATION

Preparing the frame

Please note the horizontal centerline of the electric strike in relation to the centerline of the lockset.

Mortise Locksets

Mortise Lockset

Vertical Centerline

Strike Prep

4" [101.6]

8" [203.2]

C̶L Strike

3-1/2" [88.9]

4-1/8" [104.77]

4-7/8" [123.83]

3/8" [9.53]

C̶L Lock

1-1/4" [31.8]

1-3/4" [44.45]

5/8" [15.88]

1-1/4" [31.8]

Cylindrical Locksets

Cylindrical Lock

Vertical Centerline

Strike Prep

C̶L Strike

2-1/4" [57.15]

C̶L Lock

3-1/2" [88.9]

4-1/8" [104.77]

4-7/8" [123.83]

1-1/4" [31.8]

1-3/4" [44.45]

5/8" [15.88]

1-1/4" [31.8]

Metal Jamb Dimensions

3-5/8" (92.08)

4-7/8" [123.83]

4-1/8" [104.77]

2X 12-24 UNC THREADS

1-1/4" [31.8]

1-7/16" (36.51)
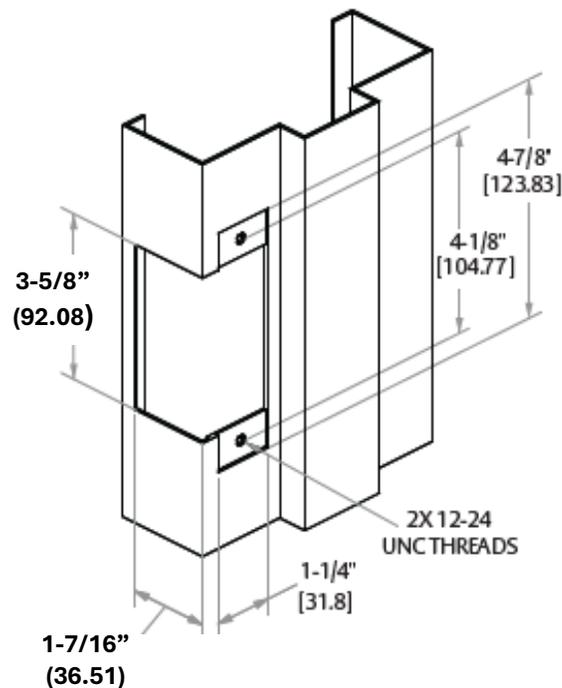
INSTALLATION

Metal Frame

Instructions

1. Remove strike plate
2. Mark Cutout
3. Cut frame – 3 cuts as highlighted in diagram
4. Remove material
5. Cutout dust box, if needed
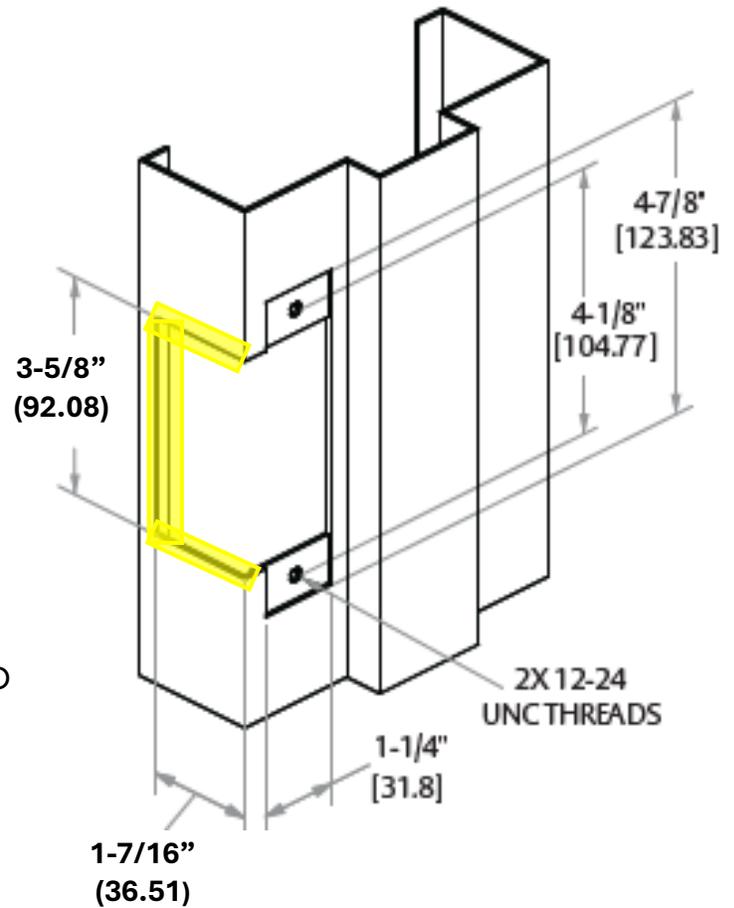6. File down sharp edges
7. Install goof plate on Solo
8. Install Solo in door frame
9. For cylindrical proceed to step 12
10. For mortise locks, check location of deadlatch
11. Install deadlatch stop with provided screw
12. Test Solo, testing instructions on next page.

3-5/8" (92.08)

4-7/8" [123.83]

4-1/8" [104.77]

2X 12-24 UNC THREADS

1-1/4" [31.8]

1-7/16" (36.51)

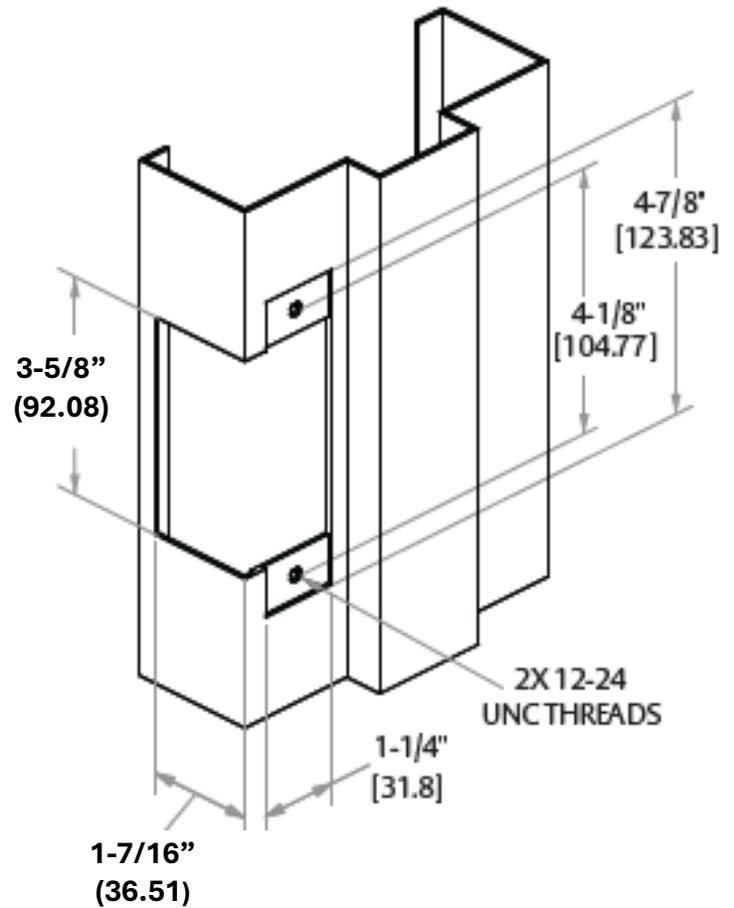The Nexkey Solo fits the ANSI 161 strike plate footprint.

INSTALLATION

Wood Frame

Instructions

1. Remove strike plate

2. Mark cutout

3. Cutout frame with oscillating tool. All material in frame will need to be removed to accommodate the Solo.

4. Cutout tabs for Solo on wood studs (1/8" deep)

5. With self centering Vix Bit, drill pilot hole (prevents frame from cracking)

6. Install the goof plate on the Solo

7. Dry fit and make adjustments / remove material as needed

8. If possible, paint match the frame with Valve paint marker

9. Install Solo with mounting screws, shim Solo towards lock if needed)

10. Test Solo, testing instructions on next page.

**3-5/8"
(92.08)**

4-7/8"
[123.83]

4-1/8"
[104.77]

2X 12-24
UNC THREADS

1-1/4"
[31.8]

**1-7/16"
(36.51)**

The Nexkey Solo fits the ANSI 161 strike plate footprint.

Testing the Solo

Local Unlock Verification

1. Open the app and navigate to the Unlock tab.

2. Confirm the Solo appears under the Nearby section.

3. Tap the Solo and wait for the unlock confirmation checkmark.

4. Verify the door physically unlocks.

5. Open and close the door, then confirm it relocks properly.

6. Adjust the relock time if necessary.

Settings

This section will provide an overview of the Solo's settings.

For a full guide visit https://www.nexkey.com/guides

Name the Solo

Assign a clear, descriptive name to the Solo to easily identify the door it controls. Optionally you can add a nickname.

Blackout

Configure Blackout Days to specify calendar dates when user access is denied.

- Admins are not affected by blackout days and will retain access.

Firmware Update

Update the Solo firmware to ensure the latest features, performance improvements, and security updates are applied.

Time Zone

Set the Solo time zone to match the installation location.

- The default time zone is Pacific Standard Time (PST).
- Correct time zone configuration is required for accurate schedules and activity logs.

Relock Time

Adjust the relock time to control how long the locking hardware remains unlocked after an unlock event. By default, the relock time is set to 6 seconds.

Last Battery Change

Entering the date of the last battery replacement allows Nexkey to send email notifications when the battery is due for replacement.

If this information is not entered, battery replacement notifications will not be sent.

Unlock Settings

- Vibrate – Mobile device will vibrate on successful unlock
- Sound - Mobile device will play a sound on successful unlock
- Unlock Distance – Controls how close a user must be for the Solo to appear under the Nearby tab in the Nexkey app and allow unlocking.

SUPPORT

Thank you for choosing Nexkey.
If you need assistance or encounter any issues during installation, please contact us right away.

https://www.nexkey.com/support
(888) 413-7093
support@nexkey.com

Visit our YouTube page that has helpful tutorials on how to operate and manage Nexkey devices.
https://www.youtube.com/@Nexkey

Sincerely,
The Nexkey Team