NGTeco SL04-GL40N

NGTeco Smart Glass Door Lock SL04-GL40N User Manual

Model: SL04-GL40N | Brand: NGTeco

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your NGTeco Smart Glass Door Lock, model SL04-GL40N. This keyless entry system offers multiple unlocking methods and is designed for frameless glass doors.

2. INSTALLATION GUIDE

The NGTeco Smart Glass Door Lock features a drill-free design, allowing for installation without specialized tools. The process can typically be completed within 10 minutes.

2.1 Compatibility Requirements

- Compatible with frameless glass doors with a thickness of 10mm to 12mm.
- Requires a door frame width of at least 66mm.
- Ensure a gap of 6mm to 7.5mm between the edge of the door and the adjacent glass panel.

2.2 Installation Steps

1. **Check Door Compatibility:** Measure your glass door thickness and frame width to ensure it meets the specifications.
2. **Prepare Mounting Plate:** Remove the adhesive backing from the mounting plate and align it with the edge of the door.
3. **Attach Main Lock Unit:** Insert the main lock unit onto the mounting plate.
4. **Secure Screws:** Tighten the screws to firmly attach the main lock unit.
5. **Install Secondary Lock:** Repeat the above steps for the secondary lock unit on the opposite side of the door.

Versatile Premium Glass Doors

Supermarket store

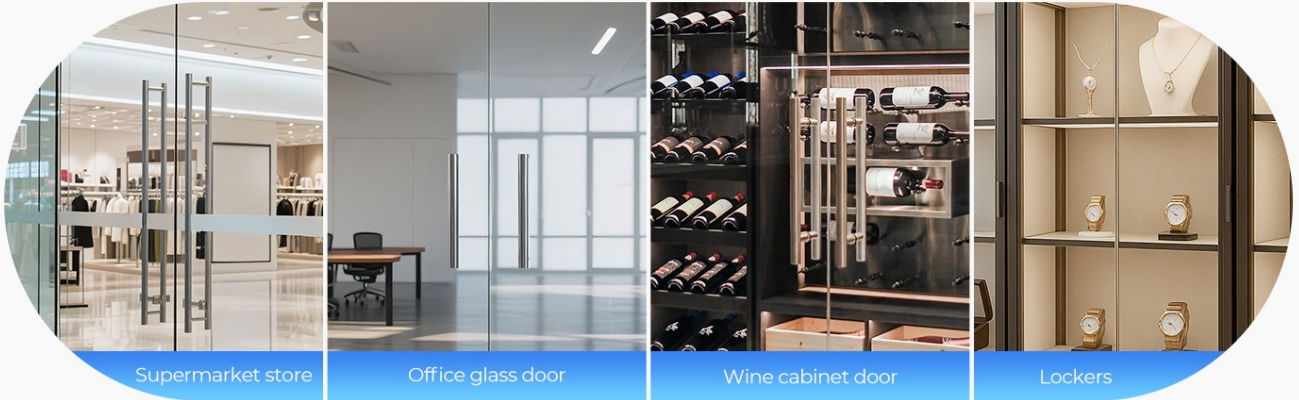Office glass door

Wine cabinet door

Lockers

Image: Visual guide for the five-minute installation process, showing measurements, plate alignment, and unit attachment.

Product size

Image: Diagram illustrating the product dimensions and required glass door thickness (2/5" - 12/25") and lock unit dimensions (6 2/5" H, 2 3/5" W, 1 3/10" D).

3. OPERATING INSTRUCTIONS

The lock supports multiple methods for unlocking, providing flexibility and convenience.

3.1 Unlocking Methods

- **Fingerprint:** Register your fingerprints for quick and secure access. The lock features AI fingerprint learning for improved recognition accuracy over time.

- **Password:** Use a numerical password. Virtual password and anti-peep password functions are available to enhance security by allowing random digits to be entered before or after the actual code.
- **IC Card:** Tap a registered IC card on the lock's sensor for entry.
- **Remote Control:** Utilize the provided remote control for convenient unlocking from a short distance.

Image: Illustration showing the four primary unlocking methods: Fingerprint, Passcode, IC Card, and Remote Control.

Image: Example of the passcode random digits feature, demonstrating how random numbers can be added before and after the correct passcode to prevent peeping.

3.2 User Management

The lock supports permission management for up to 1,000 sets of users. Refer to the on-screen menu for adding, deleting, or editing user access (fingerprints, passwords, IC cards).

Image: The NGTeco Smart Glass Door Lock showing its main unit with a menu display for user management (Add Admin, Add User, Del User, Edit User).

4. SMART FEATURES

- **Automatic Locking:** The lock automatically secures the door after a set period.

- **Low-Battery Reminder:** The system provides alerts when battery levels are low, indicating it's time for replacement.
- **Emergency Power Supply:** In case of complete battery depletion, the lock can be temporarily powered via a mobile power bank using a USB-C interface.
- **Doorbell Function:** A built-in electronic doorbell is included, eliminating the need for a separate doorbell installation.
- **Unlocking Records:** The lock stores up to 10,000 unlocking records for review.

Image: A visual representation of the low battery alert displayed on the lock screen, prompting the user to change batteries.

Image: Depiction of the integrated electronic doorbell function, showing a person pressing the doorbell icon on the lock.

5. MAINTENANCE

5.1 Battery Replacement and Emergency Power

The lock is powered by 4 AA alkaline batteries, providing up to 6 months of battery life. Replace batteries promptly when a low-battery reminder is issued.

Image: Instructions for emergency power supply, showing how to connect a mobile power bank via USB-C when the lock's internal batteries are depleted.

5.2 Cleaning

Wipe the lock's surface with a soft, dry cloth. Avoid using abrasive cleaners or solvents that could damage the finish or electronic components.

5.3 Durability

Constructed from high-strength materials, the lock is designed for long-term use. Laboratory verification indicates it can withstand over 100,000 operations.

Image: Text graphic stating "Strong durability" and "100,000+" operations after laboratory verification.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Lock does not respond.	Batteries are depleted.	Connect an external power bank via the USB-C port or replace the AA batteries.
Fingerprint not recognized.	Finger is wet, dirty, or improperly placed. Fingerprint not registered.	Ensure finger is clean and dry. Place finger flat on the sensor. Re-register fingerprint if issues persist.
Password not accepted.	Incorrect password entered.	Verify the correct password. Ensure no random digits are mistakenly included if not using the anti-peep function.
IC card not working.	IC card not registered or damaged.	Ensure the IC card is properly registered. Try another registered card if available.
Remote control not working.	Remote control battery depleted or out of range.	Replace the remote control battery. Ensure you are within the effective range of the lock.

7. SPECIFICATIONS

Feature	Detail
Brand	NGTeco
Model Name	SL04-GL40N
Lock Type	Deadbolt
Unlocking Methods	Fingerprint, Password, IC Card, Remote Control
Material	Zinc
Color	Silver
Dimensions (L x W x H)	4 x 2.5 x 2.5 inches
Item Weight	2.5 pounds
Power Source	4 AA alkaline batteries (not included)
Battery Life	Up to 6 months
Emergency Power	USB-C port for power bank
User Capacity	Up to 1,000 users
Unlocking Records	Up to 10,000 records
Connectivity Protocol	Bluetooth
Compatible Glass Thickness	10mm - 12mm
Minimum Door Frame Width	66mm

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official NGTeco website or contact their customer service department. Keep your purchase receipt for warranty claims.
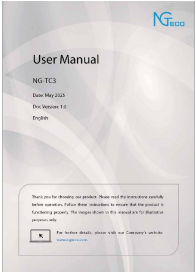
Manufacturer: Smart Security Solutions
**Brand:** NGTeco

Related Documents - SL04-GL40N

	[NG-D2310 Series Smart Lock Installation Guide and User Manual](#) Comprehensive guide for installing and using the NG-D2310 Series smart lock by NGTeco, covering setup, features, and basic operations.
	[NG-TC3 User Manual - NGTeco Time and Attendance System](#) This user manual provides comprehensive instructions for the NGTeco NG-TC3, a biometric time and attendance system. Learn about device setup, user management, verification methods, and integration with NGTeco Office software for efficient attendance tracking and management.
	[NG-TC2 Cloud-based Fingerprint Time Clock - NGTeco](#) Discover the NGTeco NG-TC2, a cloud-based fingerprint time clock offering fast and reliable attendance tracking. Features include TCP/IP and dual-band Wi-Fi, a built-in backup battery, and integration with NGTeco Office software for efficient management.
	[NGTeco NG-MB1/NG-MB2 Quick Start Guide](#) This guide provides a quick start for the NGTeco NG-MB1 and NG-MB2 devices, covering component identification, mounting, power and Ethernet connection, app synchronization, user registration, and data management.
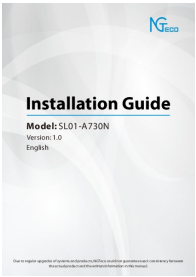
[NGTeco SL01-A730N Smart Lock Installation Guide and User Manual](#)

Comprehensive installation guide and user manual for the NGTeco SL01-A730N smart lock, covering setup, features, specifications, and safety instructions.
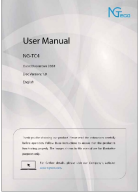
[NG-TC4 User Manual - NGTeco](#)

Comprehensive user manual for the NGTeco NG-TC4 smart terminal, covering installation, operation, and management features for attendance tracking.