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XSDTS GL02

XSDTS GL02 Biometric Digital Glass Door Lock User Manual

Model: GL02 | Brand: XSDTS

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your XSDTS GL02 Biometric Digital Glass Door Lock. Designed for frameless glass doors, this advanced lock offers multiple unlocking methods to enhance security and convenience for offices, homes, hotels, and apartments. The GL02 lock is suitable for frameless glass doors with a thickness of 10-12 mm, including sliding doors, swing doors, double doors, and single doors. It operates on a lithium battery (2600mAh) and supports English language prompts.

2. Product Features

- **7-in-1 Unlocking Methods:**
  - 3D Facial Recognition
  - Tuya App (Mobile Phone)
  - Fingerprint
  - Password
  - IC Card
  - Remote Control
  - Mechanical Key
- **Fast Verification:** Password verification speed of 0.4 seconds.
- **High User Capacity:** Stores up to 100 fingerprints, 200 cards, and 200 passwords.
- **Wide Operating Temperature:** Functions reliably from -25°C to 65°C.
- **Applicable Door Types:** Specifically designed for frameless glass doors (sliding, swing, double, single) with a thickness of 10-12 mm.
- **Smart Features:** Anti-peeping password function, automatic locking, rechargeable battery.

Figure 2.1: Overview of the seven unlocking methods supported by the GL02 lock.

3. Package Contents

Upon opening the package, please verify that all the following components are included:

- Front Panel x 1
- Rear Panel x 1
- Smart Card x 2
- Mechanical Key x 2
- Screw Kit x 1

Figure 3.1: Detailed view of product components and dimensions.

4. Setup and Installation

The XSDTS GL02 lock is designed for easy installation on frameless glass doors. For optimal performance and security, professional installation is recommended.

4.1 Door Compatibility

Ensure your glass door meets the following specifications:

- **Door Type:** Frameless glass doors (sliding, swing, double, single).
- **Door Thickness:** 10-12 mm.
- **Door Gap:** 5-15 mm (distance between door and frame/another door).

Figure 4.1: Examples of GL02 lock installation on double and single glass doors.

Figure 4.2: Supported door opening configurations for the GL02 lock.

4.2 Initial Setup

1. **Battery Installation:** Open the battery compartment on the rear panel and insert the 2600mAh lithium battery.
2. **Language Selection:** Follow the on-screen prompts to select English as the operating language.
3. **Administrator Setup:** The first fingerprint, password, or facial scan registered will automatically be set as the administrator. This administrator has full control over user management and lock settings.

5. Operating Instructions

The GL02 lock offers multiple convenient ways to unlock your door.

5.1 Unlocking with 3D Facial Recognition

1. Stand directly in front of the lock's facial recognition module.
2. Ensure your face is within the recognition area. The lock will automatically scan and unlock if a registered face is detected.

Figure 5.1: 3D Facial Recognition in action.

5.2 Unlocking with Fingerprint

1. Place your registered finger flat on the fingerprint reader.
2. The lock will verify your fingerprint in less than 0.5 seconds and unlock.

Figure 5.2: Fingerprint unlocking process.

5.3 Unlocking with Password

1. Touch the keypad to activate it.
2. Enter your registered password followed by the '#' key.
3. The lock supports an anti-peeping password feature, allowing you to enter random digits before or after your actual password to prevent others from guessing it.

5.4 Unlocking with IC Card

1. Present your registered IC card to the card reader area on the lock.
2. The lock will read the card and unlock.

Figure 5.3: Using an encrypted IC card for access.

5.5 Unlocking via Tuya App

1. Download and install the Tuya Smart or Smart Life app on your mobile phone.
2. Follow the app instructions to pair your GL02 lock via Wi-Fi.
3. Once paired, you can remotely unlock the door, manage temporary passwords, and view access logs from anywhere.
4. The app also allows remote unlocking when a visitor rings the doorbell.

Figure 5.4: Remote unlocking and smart app management via Tuya.

5.6 Unlocking with Remote Control

If your lock package includes a remote control, it can be paired for convenient remote unlocking.

1. Refer to the remote control pairing instructions provided separately or within the lock's on-screen menu.
2. Press the unlock button on the remote control to open the door.

5.7 Unlocking with Mechanical Key

In case of battery depletion or electronic malfunction, the mechanical key provides a reliable backup unlocking method.

1. Locate the keyhole, usually discreetly placed on the lock's exterior.
2. Insert the mechanical key and turn to unlock the door.

6. Maintenance

To ensure the longevity and optimal performance of your XSDTS GL02 lock, follow these maintenance guidelines:

- **Cleaning:** Wipe the lock's surface with a soft, dry cloth. Avoid using abrasive cleaners, solvents, or harsh chemicals, as they can damage the finish and electronic components.
- **Battery Management:** The lock is powered by a rechargeable lithium battery. Recharge the battery when the low battery indicator appears on the display. Regular charging helps maintain battery health.
- **Sensor Care:** Keep the fingerprint reader and facial recognition module clean and free of dust or smudges to ensure accurate recognition.
- **Environmental Conditions:** While designed for a wide temperature range, avoid exposing the lock to extreme moisture or direct water spray.

7. Troubleshooting

Here are some common issues and their solutions:

Problem	Possible Cause	Solution
Lock does not respond.	Battery is depleted.	Recharge the lithium battery. Use the mechanical key for immediate access.
Fingerprint/Facial recognition fails.	Sensor is dirty; Finger not placed correctly; Face not aligned; Unregistered user.	Clean the sensor. Ensure proper placement/alignment. Register the user if not already done. Try another unlocking method.
Cannot connect to Tuya App.	Wi-Fi signal weak; Incorrect pairing steps; App not updated.	Ensure strong Wi-Fi signal. Re-attempt pairing process. Update the Tuya app to the latest version.
Remote control not working.	Remote battery low; Not paired; Out of range.	Replace remote battery. Re-pair the remote control. Ensure you are within operating range.

If you encounter issues not listed here or require further assistance, please contact XSDTS customer support.

8. Specifications

Feature	Detail
Model Number	GL02
Brand	XSDTS
Unlocking Methods	3D Facial Recognition, Tuya App, Fingerprint, Password, IC Card, Remote Control, Mechanical Key
Password Verification Speed	0.4 seconds
Applicable Door Thickness	10-12 mm
Door Gap Distance	5-15 mm
User Capacity (Fingerprint)	100
User Capacity (IC Card)	200

Feature	Detail
User Capacity (Password)	200
Operating Voltage	Lithium Battery (2600mAh)
Operating Temperature	-25°C to 65°C
Material	Aluminum
Product Dimensions (L x W x H)	20 x 10 x 8 cm
Product Weight	2 kg

9. Warranty and Support

All XSDTS products come with a direct 12-month warranty. We are committed to providing unlimited technical consultation to our customers.
Our team of certified XSDTS technicians is available to assist you via phone, chat, or video calls. Additionally, we provide installation, configuration, and troubleshooting videos, which will be made available to you after your purchase to ensure a smooth experience.
For any inquiries or support needs, please refer to the contact information provided with your purchase or visit the official XSDTS website.

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