Ozone FDL - 04

Ozone Smart Digital Door Lock User Manual

Model: FDL-04 | Brand: Ozone

INTRODUCTION

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your Ozone Smart Digital Door Lock (Model FDL-04). This advanced digital lock is designed to enhance the security and convenience of your home or office, offering multiple access methods including PIN code, RFID card, mechanical key, mobile app, and fingerprint recognition. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

PRODUCT OVERVIEW AND COMPONENTS

The Ozone Smart Digital Door Lock combines robust security with modern convenience. Familiarize yourself with the main components of your lock:

Figure 1: Key Components of the Smart Digital Door Lock

This image illustrates the various parts of the lock, including the touch keypad, RFID card sensing area, fingerprint sensor, AA battery compartment, privacy locking button, speaker, USB port for emergency power, and the mechanical keyhole.

- **Touch Keypad:** Used for entering PIN codes.

- **RFID Card Sensing Area:** For unlocking with RFID cards.

- **Fingerprint Sensor:** For biometric unlocking.

- **AA Batteries:** Power source for the lock (located on the interior unit).

- **Privacy Locking Button:** Engages privacy mode from the inside.

- **Speaker:** Provides audio feedback for operations and alerts.

- **USB Port:** For emergency power supply using a power bank.

- **Key Hole:** For mechanical key override.

KEY FEATURES

- **Multiple Access Methods:** Unlock using PIN code, RFID card, mechanical key, mobile app (Bluetooth connectivity), or fingerprint.

- **Biometric Security:** Advanced fingerprint recognition for quick and secure access.

- **Mobile App Control:** Manage users, view access logs, and unlock remotely via Bluetooth.

- **Emergency Power Backup:** USB port allows for temporary power supply using a power bank in case of battery depletion.

- **Low Battery Indication:** Alerts you when batteries are running low, ensuring timely replacement.

- **Auto Secure Function:** Automatically locks the door after a set period.

- **Audit Trail:** Keep track of who enters and when, enhancing security monitoring.

- **Robust Construction:** Made with durable Stainless Steel (SS304 latch) for long-lasting performance.

Figure 2: Fingerprint Unlock and Key Indicators
This image highlights the fingerprint unlocking method, along with icons for low battery indication and the auto-secure feature.

Figure 3: Comprehensive Security Features
This image illustrates the advanced security features including audit trail capabilities, the integration of password and
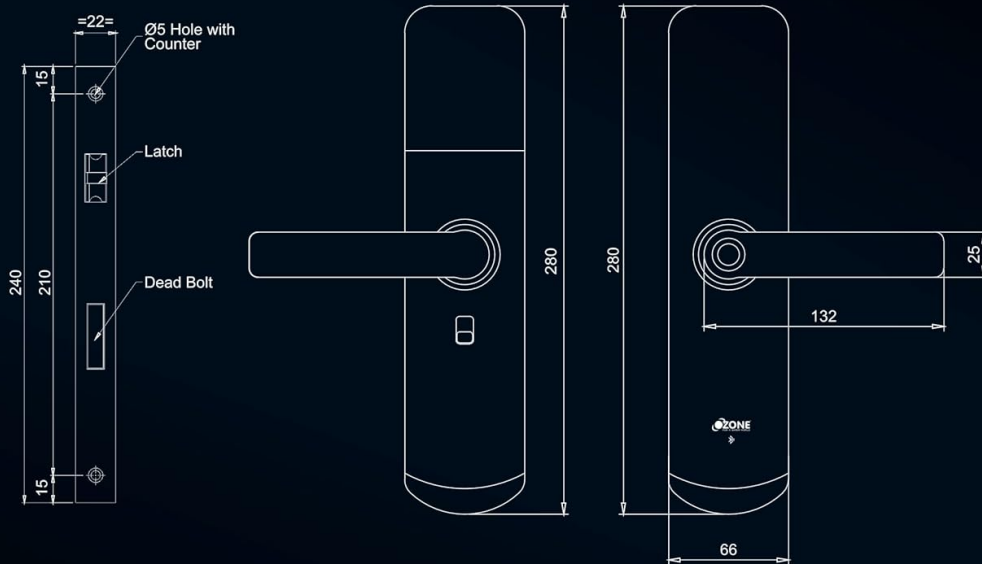
PACKAGE CONTENTS

Upon opening the package, please ensure all the following items are present:

- Ozone Smart Digital Door Lock (Front and Rear Panels)
- Mortise Lock Body
- Strike Plate and Strike Box
- Mechanical Keys (2-3 pieces)
- RFID Cards (2-3 pieces)
- Mounting Screws and Accessories
- User Manual (This document)

INSTALLATION GUIDE

The Ozone Smart Digital Door Lock is designed for installation on doors with a thickness of 35-80 mm. For optimal performance and security, professional installation is recommended. Ensure your door meets the specified dimensions before proceeding.

Figure 4: Product Dimensions and Door Thickness Compatibility
This diagram provides critical measurements for the lock and specifies compatibility with door thicknesses ranging from 35mm to 80mm, ensuring a perfect fit.

Pre-Installation Checklist:

- Verify door thickness is within 35-80 mm.
- Ensure the door frame is sturdy and aligned.
- Gather necessary tools: screwdriver, drill, measuring tape, pencil.

General Installation Steps:

1. **Prepare the Door:** Mark and drill holes according to the provided template (refer to physical template included with the product).

2. **Install Mortise Lock Body:** Insert the mortise into the door edge and secure it with screws. Ensure the deadbolt and latch operate smoothly.

3. **Install Front Panel:** Route the cable through the door and attach the front panel, aligning it with the mortise.

4. **Install Rear Panel:** Connect the cable from the front panel to the rear panel. Secure the rear

panel to the door using mounting screws.

5. **Install Batteries:** Insert 4 AA alkaline batteries into the battery compartment on the rear panel.

6. **Test Functionality:** Test all unlocking methods (key, PIN, fingerprint, RFID) to ensure proper operation before closing the door.

Figure 5: Robust Locking Mechanism
This image details the SS304 latch and the 15mm deadbolt, components that contribute to the lock's strong and reliable security mechanism.

OPERATING INSTRUCTIONS

Your Ozone Smart Digital Door Lock offers multiple convenient ways to access your property.

Figure 6: Multiple Access Methods
This image visually represents the five primary ways to unlock the Ozone Smart Digital Door Lock: via Bluetooth, fingerprint, keypad, mechanical key, and RFID card.

1. Initial Setup (Admin Registration):

Upon first use, you will need to register an administrator. Follow the voice prompts or refer to the specific app instructions for this process. The administrator can then add other users and manage settings.

2. Unlocking with PIN Code:

1. Touch the keypad to activate it.
2. Enter your registered PIN code followed by the '#' key.
3. The lock will unlock with an audible confirmation.

Figure 7: Anti-Peep PIN Code Entry

This image demonstrates the anti-peep function, allowing users to enter random digits before or after their actual PIN code to prevent others from guessing the code.

3. Unlocking with Fingerprint:

1. Place your registered finger firmly on the fingerprint sensor.
2. Hold until the sensor illuminates and the lock unlocks.

4. Unlocking with RFID Card:

1. Place your registered RFID card against the RFID sensing area.
2. The lock will unlock with an audible confirmation.

5. Unlocking with Mobile App (Bluetooth):

1. Download the Ozone Smart Lock app from your app store.
2. Pair your lock with the app via Bluetooth (follow in-app instructions).
3. Use the app interface to unlock the door when within Bluetooth range.

6. Unlocking with Mechanical Key:

1. Insert the mechanical key into the keyhole located at the bottom of the front panel.
2. Turn the key to unlock the door. This method is primarily for emergency access.

Locking the Door:

The lock will automatically secure itself after a few seconds (Auto Secure function). You can also manually lock it by lifting the handle or pressing the privacy lock button from the inside.

Figure 8: Double Locking and Unlocking Mechanism

This image illustrates the dual functionality of the handle, allowing for both double locking and unlocking actions, providing enhanced security and convenience.

MAINTENANCE

Proper maintenance ensures the longevity and reliable operation of your Ozone Smart Digital Door Lock.

- **Battery Replacement:** Replace all four AA batteries when the low battery indicator appears or when you hear low battery warnings. Do not mix old and new batteries.

Figure 9: Low Battery Indication

This image displays the low battery warning icon on the smart lock, prompting users to replace the batteries to ensure continuous operation.

- **Cleaning:** Wipe the lock surface with a soft, dry cloth. Avoid using abrasive cleaners, solvents, or harsh chemicals that could damage the finish or electronic components.

- **Keypad and Sensor Care:** Keep the keypad and fingerprint sensor clean and free from dust or debris.

- **Mechanical Parts:** Periodically check screws for tightness. Do not lubricate the lock cylinder unless specifically instructed by Ozone support.

TROUBLESHOOTING

If you encounter issues with your Ozone Smart Digital Door Lock, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lock does not respond.	Dead batteries.	Replace batteries. If still unresponsive, use emergency power via USB port.
Cannot unlock with PIN/Fingerprint/RFID.	Incorrect entry; unregistered user; sensor dirty.	Ensure correct PIN/registered fingerprint/card. Clean sensor. Re-register if necessary.
Lock makes unusual noises.	Mechanical obstruction; loose components.	Check for obstructions around the latch/deadbolt. Ensure all screws are tight. Contact support if issue persists.
Mobile app connection issues.	Bluetooth off; app not updated; lock too far.	Ensure Bluetooth is on. Update app. Move closer to the lock. Restart phone/lock.
Emergency key not working.	Wrong key; keyhole obstructed.	Ensure you are using the correct mechanical key. Check for debris in the keyhole.

Figure 10: Emergency Power Backup

This image demonstrates how to provide emergency power to the lock using a standard power bank connected via the USB port, useful when batteries are completely drained.

SPECIFICATIONS

Feature	Detail
Brand	Ozone
Model Number	FDL - 04
Lock Type	Biometric Smart Digital Lock
Material	Stainless Steel
Color	Antique Bronze
Finish Type	Glossy
Item Dimensions (L x W x H)	12 x 20.1 x 36.2 Centimeters
Item Weight	2 kg
Recommended Door Thickness	35-80 mm
Connectivity Protocol	Bluetooth
Control Method	App, Combination control, Finger Print Control
Power Source	4 x AA Batteries (not included)
Country of Origin	China

WARRANTY AND SUPPORT

For warranty information, technical support, or service requests, please contact Ozone customer service using the details below. Keep your purchase receipt as proof of purchase for warranty claims.

- **Manufacturer:** Ozone Secutech Pvt. Ltd.

- **Address:** 548, Phase V, Udyog Vihar, Sector 19, Gurugram, Haryana 122016, India

- **Contact Number:** +91-801-000-2400

- **Email:** service@manufacturer.com / customercare@ozone-india.com