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ARPHA D280K-S

ARPHA D280K-S Keyless Entry Deadbolt with Handle Set User Manual

Model: D280K-S

1. INTRODUCTION

Thank you for choosing the ARPHA D280K-S Keyless Entry Deadbolt with Handle Set. This smart lock offers advanced security and convenience with multiple unlocking methods, including fingerprint, keypad password, mobile application control, EKey, and traditional mechanical key access. This manual provides detailed instructions for installation, setup, operation, and maintenance to ensure optimal performance and security.



Image 1: ARPHA D280K-S Smart Lock with App Control

The ARPHA D280K-S is designed for ease of use and robust security, integrating seamlessly into your home. Please read this manual thoroughly before installation and use.

2. SAFETY INFORMATION

To ensure safe operation and prevent damage, please observe the following safety guidelines:

- Do not attempt to disassemble or repair the lock yourself. Refer to qualified service personnel.
- Use only the specified AA alkaline batteries. Do not mix old and new batteries or different battery types.
- Avoid exposing the lock to direct sunlight, rain, or extreme temperatures for prolonged periods.
- Keep the mechanical keys in a safe place outside your home, separate from the lock, for emergency access.
- Ensure all components are securely fastened during installation to prevent loosening.
- Regularly check battery levels and replace them promptly when the low battery alert is activated.

3. PACKAGE CONTENTS

Verify that all the following items are included in your package:

- Exterior Assembly (Keypad with Fingerprint Reader)
- Interior Assembly (Thumb Turn with Battery Cover)
- Deadbolt Latch
- Strike Plate
- Door Knobs (2)
- Mechanical Keys (2)
- Mounting Hardware (Screws, Spindles)
- Installation Template
- User Manual

4. PRODUCT OVERVIEW

Familiarize yourself with the components of your ARPHA D280K-S smart lock:

Suitable Door Size

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• No Drilling

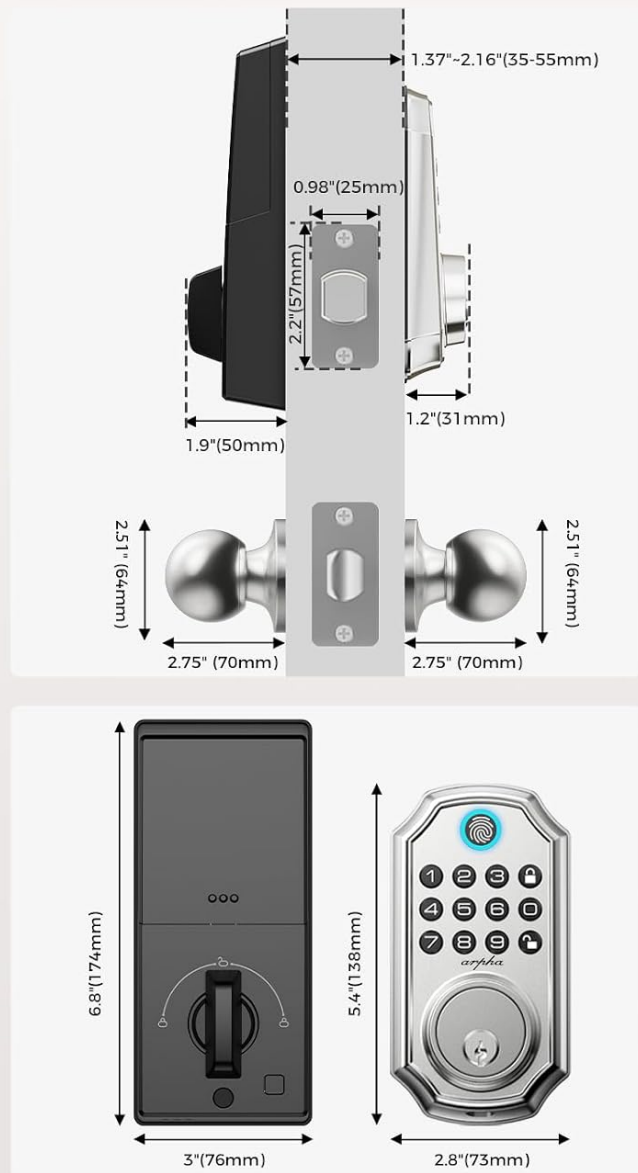


Image 2: ARPHA D280K-S Product Components

- **Fingerprint Reader:** Located on the exterior assembly, used for biometric unlocking.
- **Keypad:** Numeric buttons for entering passcodes.
- **Keyhole:** For emergency mechanical key access.
- **One-Touch Lock Button:** Quickly locks the deadbolt from the exterior.
- **Thumb Turn:** Manually locks or unlocks the deadbolt from the interior.
- **Battery Cover:** Protects the battery compartment on the interior assembly.
- **Type-C Emergency Power Port:** Allows temporary power supply using a Type-C cable in case of complete battery depletion.

5. INSTALLATION GUIDE

The ARPHA D280K-S is designed for easy DIY installation on most standard US doors. No drilling is required if your door is pre-drilled to standard specifications.

5.1 Pre-Installation Checks

Before beginning installation, ensure your door meets the following criteria:

- **Door Thickness:** 1-3/8 inches to 2-1/8 inches (35mm - 55mm).
- **Backset:** Adjustable for 2-3/8 inches (60mm) or 2-3/4 inches (70mm).
- **Door Hole Diameter:** Approximately 2.13 inches (54mm).



Image 3: Suitable Door Dimensions

5.2 Door Compatibility

This lock is compatible with single cylinder deadbolts. It is **not** compatible with Mortise, Integrated, or Rim Cylinder lock types.

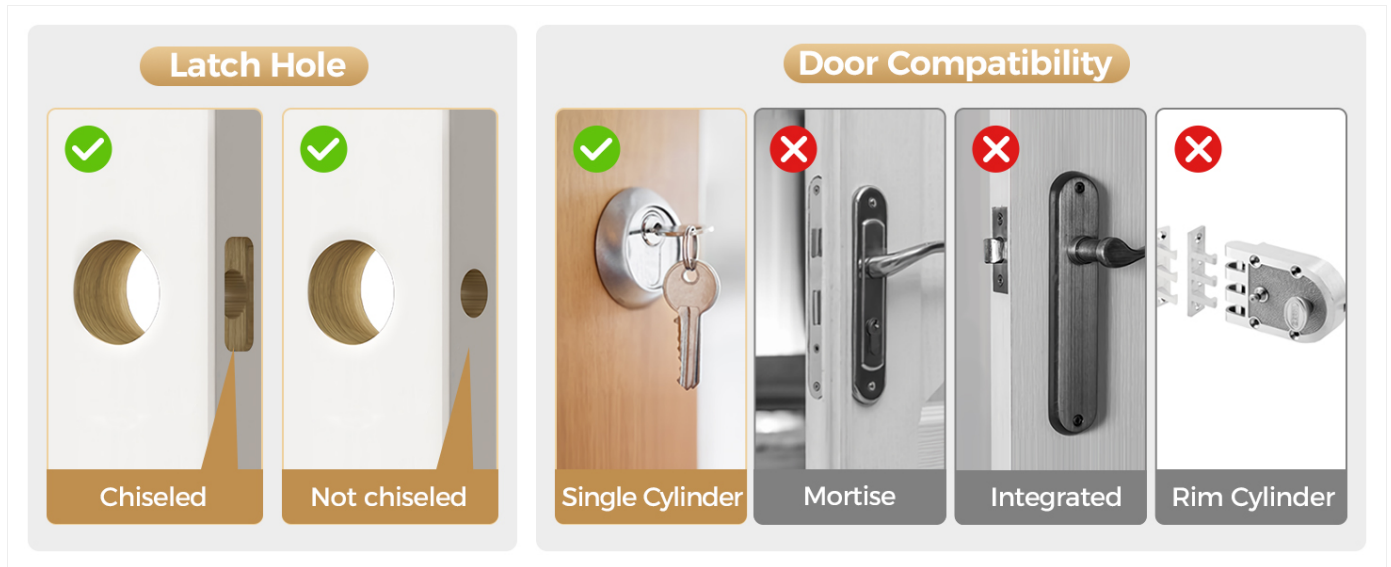


Image 4: Door Compatibility Check

5.3 Tools Required

- Phillips Head Screwdriver
- Measuring Tape

5.4 Installation Steps

1. **Prepare the Door:** If replacing an existing lock, remove it. Ensure the door hole and edge bore are clean and clear.
2. **Install the Latch:** Insert the deadbolt latch into the door edge. Ensure the 'UP' arrow on the latch is pointing upwards. Adjust the backset if necessary (60mm or 70mm). Secure with screws.
3. **Install the Strike Plate:** Mount the strike plate on the door frame, aligning it with the deadbolt latch. Secure with screws.
4. **Install the Exterior Assembly:** Feed the cable and spindle through the deadbolt latch. Position the exterior assembly flush against the door.
5. **Install the Interior Mounting Plate:** Place the interior mounting plate over the spindle and cable, securing it to the exterior assembly with screws.
6. **Connect Cables:** Connect the cable from the exterior assembly to the interior assembly.
7. **Install the Interior Assembly:** Mount the interior assembly onto the mounting plate, ensuring the thumb turn operates smoothly. Secure with screws.
8. **Install Door Knobs:** Install the handle set according to its specific instructions, ensuring it operates independently of the deadbolt.
9. **Insert Batteries:** Open the battery cover on the interior assembly and insert 4 AA alkaline batteries (not included), observing polarity.
10. **Test Operation:** Test the lock with the mechanical key and the thumb turn to ensure smooth operation before proceeding to setup.

6. INITIAL SETUP AND APP CONTROL

After physical installation, configure your smart lock using the ARPHA mobile application.

6.1 App Download and Pairing

1. Download the 'ARPHA' app from your smartphone's app store (iOS or Android).
2. Create an account and log in.

3. Enable Bluetooth on your smartphone.
4. In the app, tap 'Add Device' or the '+' icon. The app will search for nearby ARPHA devices.
5. Select your D280K-S lock from the list to pair. Follow on-screen prompts to complete the pairing process.

6.2 Administrator Setup

The first user paired with the lock will be designated as the administrator. The administrator has full control over lock settings, user management, and access logs.

6.3 Adding Users and Access Methods

The ARPHA app allows you to manage various access methods for different users.

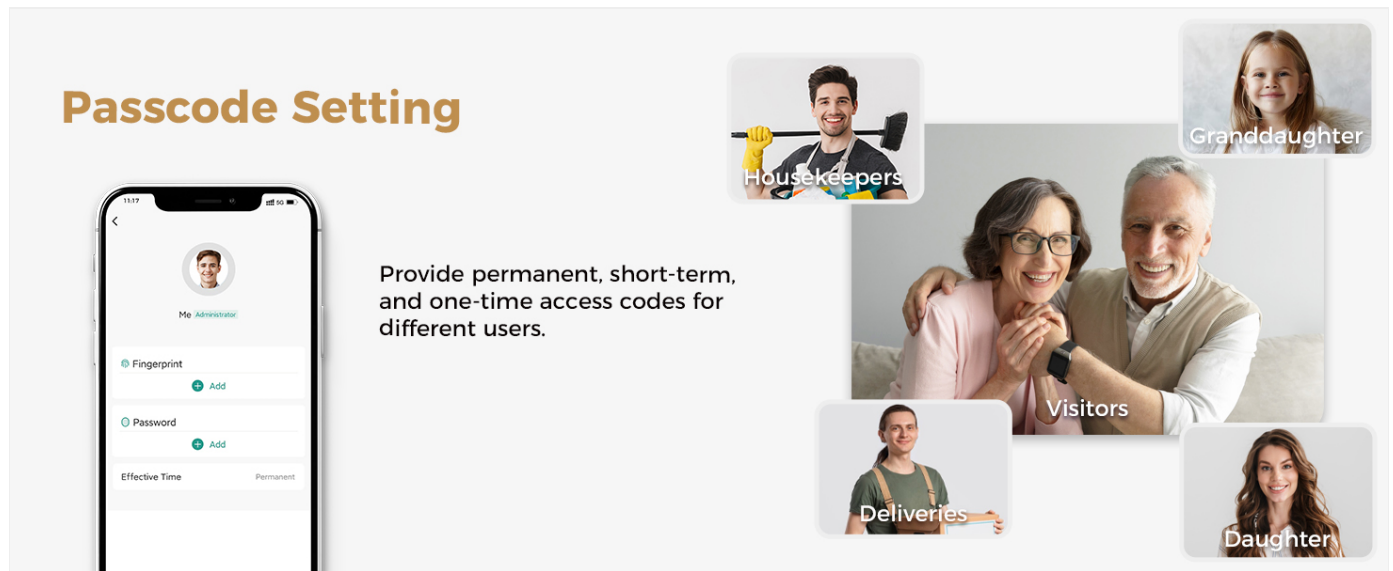


Image 5: Passcode Setting for Different Users

- **Fingerprints:** You can store up to 50 unique fingerprints. In the app, navigate to 'Users' or 'Fingerprints' and follow the instructions to register new fingerprints by placing a finger on the reader multiple times.
- **Passcodes:** Generate up to 100 unique PIN codes. The app allows you to create permanent, one-time, scheduled, or recurring passcodes for family, guests, or service personnel.
- **EKeys:** Grant temporary or permanent EKey access to other app users.

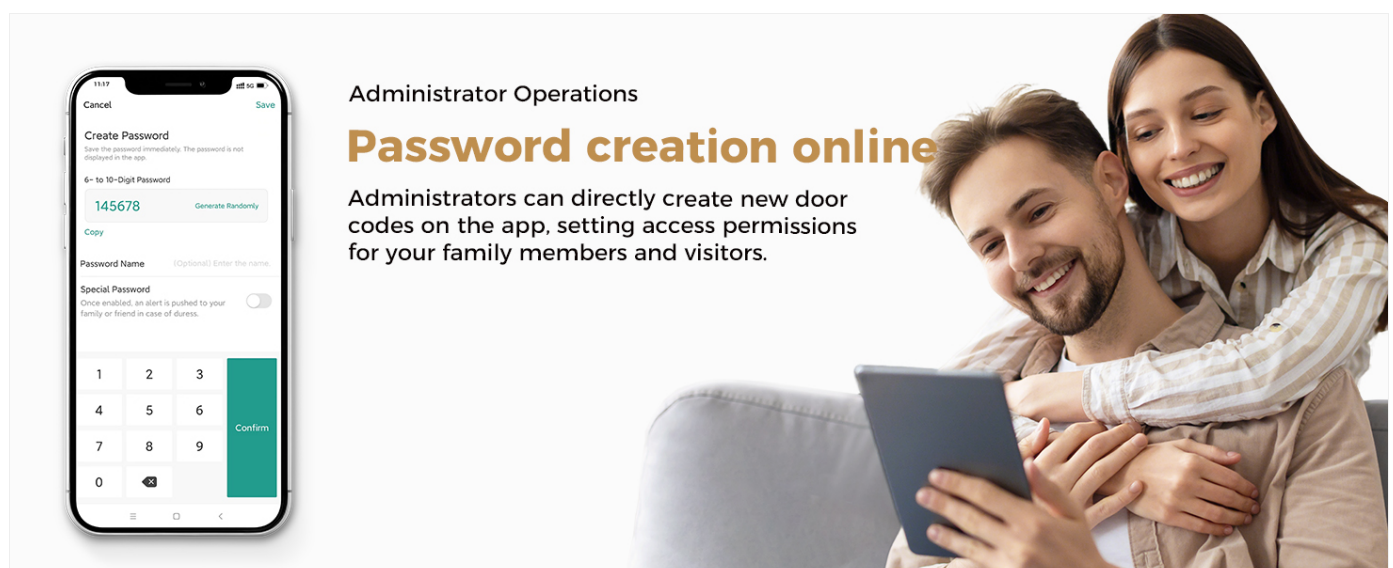


Image 6: Administrator Password Creation via App

7. OPERATING INSTRUCTIONS

The ARPHA D280K-S offers multiple ways to unlock and lock your door.

7.1 Unlocking Methods

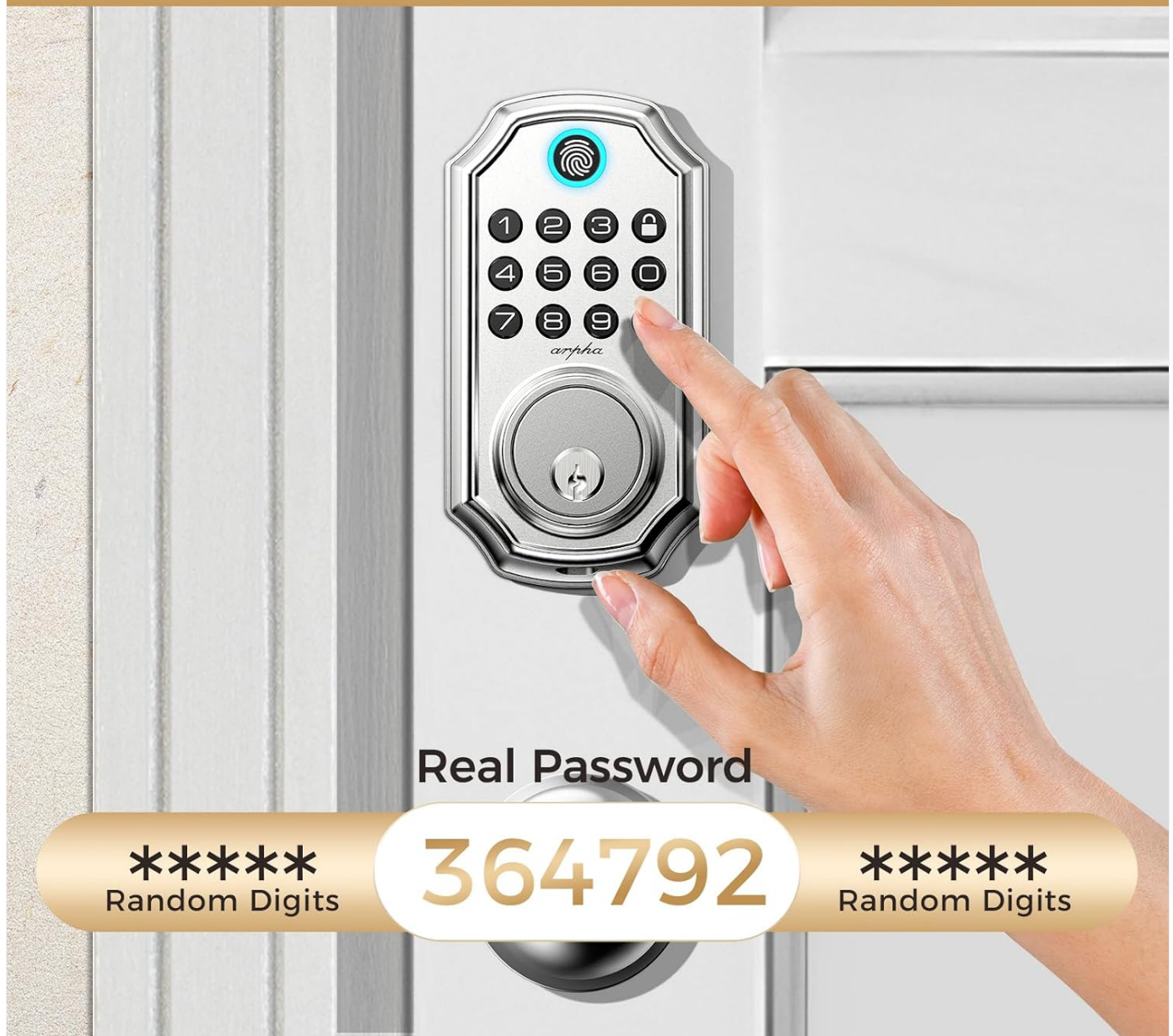


Image 7: 5-in-1 Unlocking Methods

- **Fingerprint:** Place your registered finger on the fingerprint reader. The lock will unlock in approximately 0.3 seconds with a 99.9% accuracy rate.
- **Keypad Password:** Enter your registered passcode on the keypad. The lock will unlock upon correct entry.
- **Anti-Peeping Password:** To enhance security, you can enter random digits before and after your actual passcode (up to 16 digits total). The lock will still recognize the correct sequence within the longer string. For example, if your passcode is 123456, you can enter 987123456321.

Anti-Peeking Password

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Real Password

Random Digits

364792

Random Digits

Image 8: Anti-Peeping Password in Use

- **App Control:** Open the ARPHA app on your smartphone and tap the unlock button. This allows for remote unlocking if your lock is connected to a compatible gateway (sold separately for full remote functionality) or via Bluetooth when in range.
- **Mechanical Key:** Insert the mechanical key into the keyhole and turn to unlock. This is primarily for emergency backup.

7.2 Locking Methods

- **Auto-Lock:** The lock can be configured via the app to automatically lock after a set period, ranging from 10 seconds to 30 minutes.
- **One-Touch Lock:** Press the dedicated lock button on the exterior keypad to instantly lock the deadbolt.
- **Thumb Turn:** From the interior, rotate the thumb turn to manually lock the deadbolt.

Auto Lock Setting

The automatic locking time can be set from 10s to 30s to meet personal needs.



Auto Lock



One Touch Locking



Image 9: Auto Lock Setting Configuration

7.3 Silent Mode

The keypad beep sounds can be muted through the ARPHA app settings to provide a noise-free environment.

7.4 Access Logs

The ARPHA app provides real-time unlocking records, allowing you to monitor who accessed your door and when. This feature enhances security and provides peace of mind.



Image 10: Real-time Unlocking Records in App

8. MAINTENANCE

8.1 Battery Replacement

The lock is powered by 4 AA alkaline batteries (not included), providing up to 6 months of battery life. The lock will provide a low battery alert when replacement is needed.

Low Battery Alert

If the lock battery is low, a reminder signal will be sent out in time to remind the user to replace the battery.



**UP to 6 Months
Battery Life**
*4 AA batteries
are not included

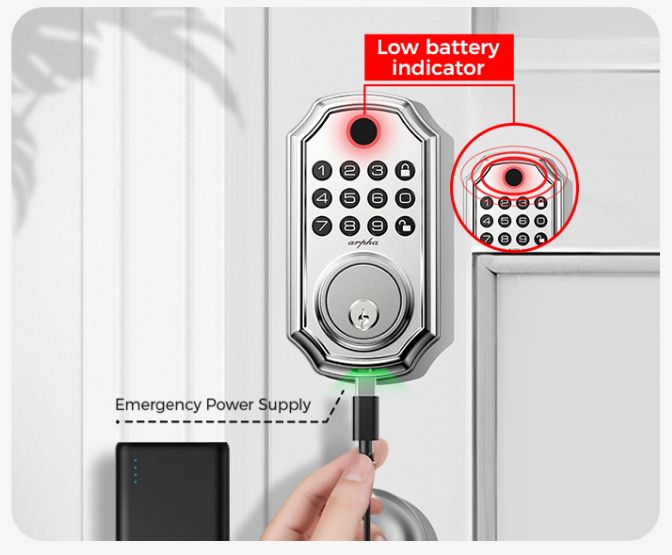


Image 11: Low Battery Alert and Emergency Power

To replace batteries:

1. Remove the battery cover on the interior assembly.
2. Remove the old batteries.
3. Insert 4 new AA alkaline batteries, ensuring correct polarity (+/-).
4. Replace the battery cover.

In case of complete battery depletion, you can temporarily power the lock using a Type-C cable connected to the emergency power port on the exterior assembly.

8.2 Cleaning

Clean the lock's exterior with a soft, dry cloth. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish and electronic components.

9. TROUBLESHOOTING

If you encounter issues with your ARPHA D280K-S lock, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lock does not respond.	Dead batteries.	Replace batteries. Use Type-C emergency power if completely dead.
Fingerprint not recognized.	Finger is dirty/wet, sensor is dirty, or fingerprint not properly registered.	Clean finger and sensor. Re-register fingerprint if issue persists. Try another registered finger.
Keypad not responding.	Low battery or temporary malfunction.	Replace batteries. Try mechanical key. If issue persists, contact support.
App cannot connect to lock.	Bluetooth off, lock out of range, or app issue.	Ensure Bluetooth is on and you are within range. Restart app and phone. Re-pair lock if necessary.
Auto-lock not working.	Auto-lock feature disabled or incorrect settings.	Check auto-lock settings in the ARPHA app. Ensure the door sensor (if applicable) is clear.

If the problem persists after attempting these solutions, please contact ARPHA customer support for further assistance.

10. SPECIFICATIONS

Technical details for the ARPHA D280K-S Keyless Entry Deadbolt with Handle Set:

Feature	Detail
Brand	ARPHA
Model Name	D280K-S
Lock Type	Biometric, Combination Lock, Deadbolt, Keypad
Special Features	Anti-Peeping Password, Bluetooth App Control, Fingerprint, One-Touch Lock, Passcode Unlock
Material	Zinc Alloy
Item Dimensions (L x W x H)	5.4 x 2.78 x 1.2 inches (137 x 70.6 x 30.5 mm)
Item Weight	3 Pounds (1.36 kg)
Control Method	App
Connectivity Protocol	Bluetooth (BLE)
Power Source	4 x AA Batteries (not included)
Battery Life	Up to 6 months
Operating Temperature	140°F to -4°F (60°C to -20°C)
Waterproof Rating	IP54
Certifications	ANSI Grade 3



100,000
Keypad life test



218H
Salt Spray Test



2850N
Face plate impact test



176H
Humidity Test



Image 12: ANSI Grade 3 Certification Details

11. WARRANTY AND SUPPORT

ARPHA stands behind the quality of its products.

- **18-Month Assurance:** Your ARPHA D280K-S lock is backed by an 18-month assurance period. If you encounter any issues within this timeframe, please contact customer service for a hassle-free replacement or resolution.
- **Lifetime Technical Support:** ARPHA provides lifetime technical support for your product. Our dedicated team is available to assist you with any questions or concerns regarding installation, setup, or operation.



Image 13: ARPHA Customer Support

For support, please refer to the contact information provided on the ARPHA official website or within the ARPHA mobile application.

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