

## dormakaba DP-850

# Dormakaba DP 850 Smart Door Lock

## Instruction Manual

### 1. PRODUCT OVERVIEW

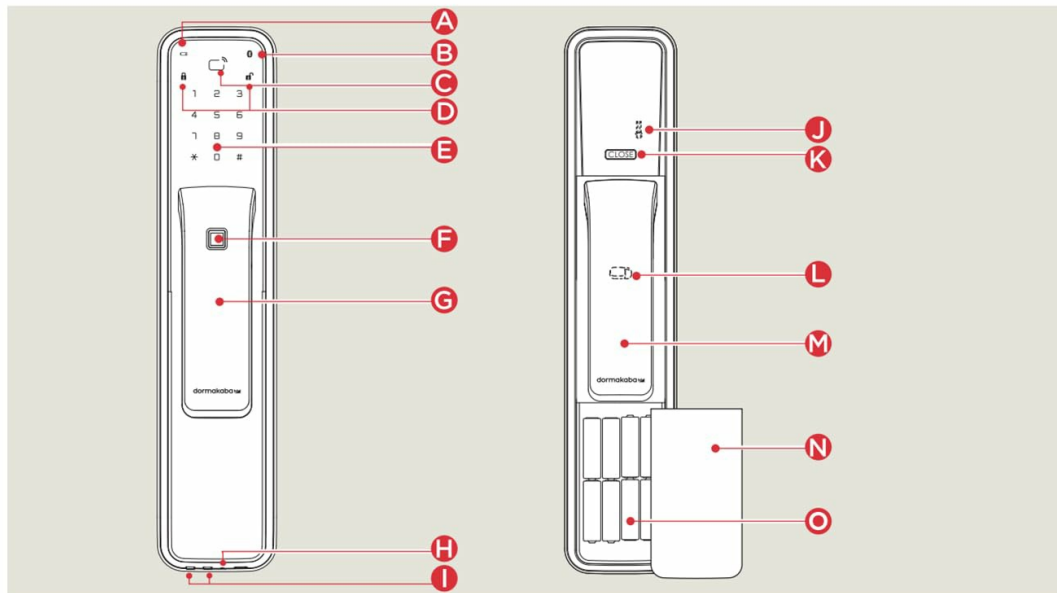
The Dormakaba DP 850 is an intelligent door lock designed for enhanced security and convenience. It features a push-pull handle and an automatic motor lock body. This lock offers multiple access methods and integrated safety features.

Key features include:

- **Multiple Access Methods:** Fingerprint, RFID Cards, PIN Code, Bluetooth Low Energy (BLE) via mobile app, and Mechanical Override Keys.
- **Innovative Push-Pull Handle:** Allows for effortless operation in either direction.
- **Automatic Motor Lock Body:** Provides secure locking.
- **Advanced Safety Features:** Includes alarms for multiple failed entry attempts, high-temperature warnings, break-in attempts, and child lock functionality.
- **Durable Construction:** Made with a metal body.

### 2. COMPONENTS

Familiarize yourself with the components of your Dormakaba DP 850 Smart Door Lock:



### Outdoor unit

- A** Battery warning lamp
- B** RFID card reader
- C** BLE display lamp
- D** Status display lamp
- E** Keypad
- F** Fingerprint sensor (DP850)
- G** Outdoor handle
- H** [Reset] button

### Indoor unit

- I** Emergency power supply terminal
- J** [Register] button
- K** [CLOSE] button
- L** Blocking indoor handle
- M** Indoor handle
- N** Battery cover
- O** Battery

**Image Description:** A detailed diagram illustrating the outdoor and indoor units of the Dormakaba DP 850 Smart Door Lock. Key components are labeled with letters A through O for easy identification. The outdoor unit shows the keypad, RFID reader, fingerprint sensor, and handle. The indoor unit displays the battery compartment, emergency power terminal, and various buttons.

### Outdoor Unit Components:

- A. Battery Warning Lamp:** Indicates low battery status.
- B. RFID Card Reader:** For unlocking with RFID cards.
- C. BLE Display Lamp:** Indicates Bluetooth Low Energy status.
- D. Status Display Lamp:** Provides visual feedback on lock status.
- E. Keypad:** For entering PIN codes.
- F. Fingerprint Sensor (DP850):** For biometric unlocking.
- G. Outdoor Handle:** The exterior push-pull handle.
- H. [Reset] Button:** Used for resetting the lock.

### Indoor Unit Components:

- I. Emergency Power Supply Terminal:** For external power in case of battery depletion.
- J. [Register] Button:** Used for registering new users (fingerprints, cards, PINs).

- K. **[CLOSE] Button:** For manual locking from the inside.
- L. **Blocking Indoor Handle:** A mechanism to prevent the indoor handle from operating.
- M. **Indoor Handle:** The interior push-pull handle.
- N. **Battery Cover:** Protects the battery compartment.
- O. **Battery:** Power source for the lock.

### 3. PACKAGE CONTENTS

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Verify that all items are present in your Dormakaba DP 850 Smart Door Lock package:

- Dormakaba DP 850 Smart Door Lock Unit (Outdoor and Indoor)
- RFID Card(s)
- Screws for installation
- Strip (likely for cable management or sealing)
- Manual Key(s) (3 keys included)

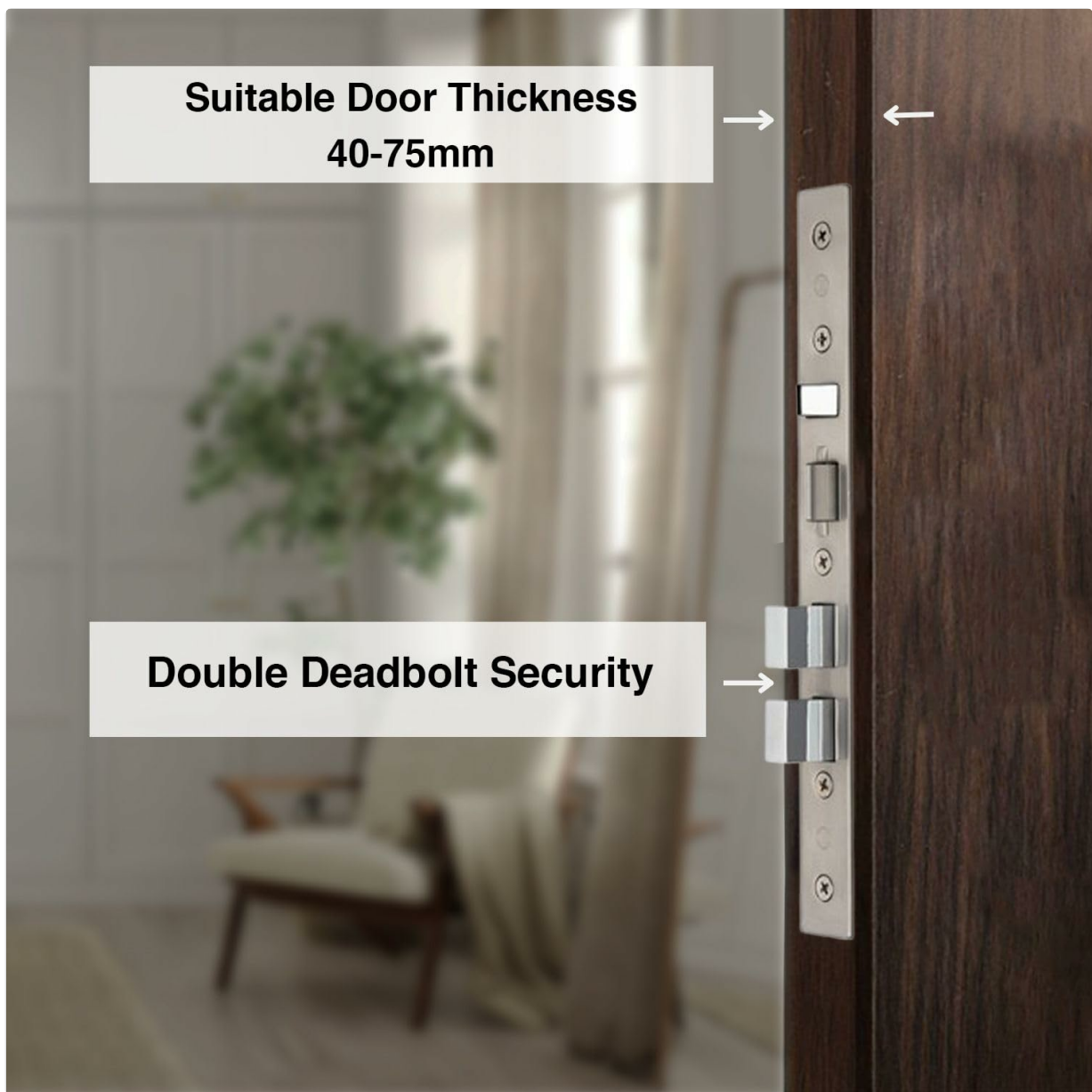
### 4. SETUP AND INSTALLATION

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Proper installation is crucial for the functionality and security of your smart door lock. It is recommended to utilize professional installation services where available.

#### 4.1 Door Requirements

- **Suitable Door Thickness:** The lock is designed for doors with a thickness between 40mm and 75mm.
- Ensure the door frame and existing mortise cutout are compatible with the DP 850 lock body dimensions.



**Image Description:** A close-up view of a door edge with the mortise lock installed. Text overlays indicate 'Suitable Door Thickness 40-75mm' and 'Double Deadbolt Security', highlighting these key installation and security features.

## 4.2 Installation Steps (General)

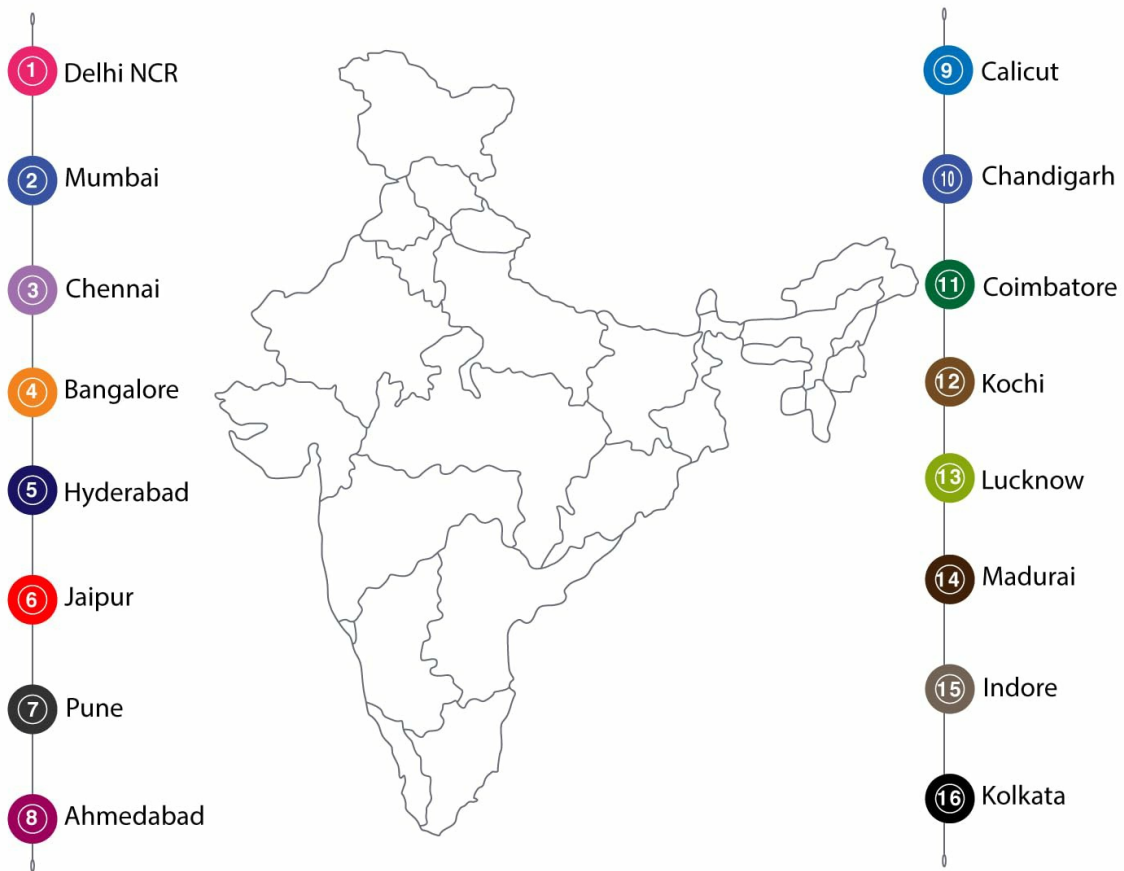
While professional installation is advised, the general steps involve:

1. **Prepare the Door:** Ensure the door is clean and the mortise cutout is correctly sized.
2. **Install Mortise Lock Body:** Insert the mortise into the door edge and secure it with screws.
3. **Install Outdoor Unit:** Mount the outdoor unit, feeding necessary cables through the door.
4. **Install Indoor Unit:** Connect the cables from the outdoor unit to the indoor unit and secure the indoor unit to the door.
5. **Install Batteries:** Open the battery cover on the indoor unit and insert the required batteries (refer to the diagram for battery location).
6. **Test Functionality:** After installation, test all unlocking methods and ensure the lock operates smoothly.

## 4.3 Free Installation Service

Dormakaba offers free installation services in multiple cities. Please refer to the provided map or contact customer support to check if your location is covered.

# Free Installation Across Multiple Cities



**Image Description:** A map of India with numbered markers indicating cities where free installation services are available. These cities include Delhi NCR, Mumbai, Chennai, Bangalore, Hyderabad, Jaipur, Pune, Ahmedabad, Calicut, Chandigarh, Coimbatore, Kochi, Lucknow, Madurai, Indore, and Kolkata.

## 5. OPERATING INSTRUCTIONS

The Dormakaba DP 850 Smart Door Lock provides six methods for access control.

## 6 Unlocking Method



**Image Description:** An infographic displaying six distinct unlocking methods for the Dormakaba DP 850 Smart Door Lock. Icons represent Fingerprint, Password, OTP (One-Time Password), Smart App (Bluetooth), Mechanical Key Override, and RFID, illustrating the versatility of access options.

### 5.1 Unlocking Methods

- **Fingerprint:** Place your registered finger on the fingerprint sensor. The lock will unlock upon successful verification. Up to 100 fingerprints can be registered.
- **RFID Cards:** Present a registered RFID card to the RFID card reader area. The lock will unlock. Up to 100 RFID cards can be registered.
- **Screen Touch PIN Code:** Enter your 4-12 digit PIN code on the keypad, followed by the '#' key. The lock will unlock. Up to 4 PIN codes can be stored.
- **BLE (Bluetooth Low Energy) Mobile App:** Use the dedicated mobile application on a registered device to unlock the door via Bluetooth. Up to 10 mobile devices can be paired.
- **Mechanical Override Keys:** In case of emergency or battery failure, insert and turn one of the three provided mechanical keys to unlock the door.
- **Push & Pull Handle:** The innovative handle allows for intuitive opening. Simply push or pull the handle to open the door once unlocked by any of the above methods.





# Push & Pull Operation

**Image Description:** A visual representation of the Dormakaba DP 850 Smart Door Lock's push-pull handle mechanism. The image highlights the ergonomic design that allows the handle to be pushed or pulled for door operation, emphasizing its ease of use.

## 5.2 User Registration

To register new fingerprints, RFID cards, or PIN codes:

1. Press the **[Register]** button on the indoor unit.
2. Follow the voice prompts or visual cues on the lock's display.
3. For fingerprints, place your finger on the sensor multiple times as instructed.
4. For RFID cards, present the card to the reader.
5. For PIN codes, enter your desired code and confirm it.
6. Ensure successful registration is confirmed by the lock.

## 5.3 Locking the Door

The Dormakaba DP 850 features an automatic motor lock body, which typically locks automatically after the door is closed. You can also manually lock it from the inside by pressing the **[CLOSE]** button.

## 5.4 Child Lock Functionality

To activate or deactivate the child lock, locate the blocking indoor handle mechanism on the indoor unit. Engage this mechanism to prevent the indoor handle from being operated, ensuring children cannot accidentally open the door from the inside.

## 6. SAFETY FEATURES

The Dormakaba DP 850 Smart Door Lock incorporates several safety and alarm features to enhance security:



**Image Description:** An infographic illustrating the various alarm features of the Dormakaba DP 850 Smart Door Lock. Icons and text describe alarms for high temperature, wrong PIN entry, low battery, high voltage prevention, and break-in attempts, highlighting the lock's comprehensive security.

- **Alarm for Multiple Failed Entry Attempts:** If an incorrect PIN code or unregistered fingerprint/card is attempted multiple times, an alarm will sound, and the lock may temporarily disable entry.
- **High-Temperature Warning System:** In case of abnormally high temperatures (e.g., fire), the lock may trigger an alarm and automatically unlock to facilitate escape.
- **Break-in Attempt Alarm:** If the lock detects forced entry or tampering, an alarm will be activated.
- **Low Battery Alarm:** The battery warning lamp (A) will illuminate, and an audible alert will sound when



the battery level is low, prompting replacement.

- **High Voltage Prevention:** The lock is designed with protection against high voltage surges.

## 7. MAINTENANCE

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To ensure the longevity and optimal performance of your Dormakaba DP 850 Smart Door 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 these can damage the finish and electronic components.
- **Battery Replacement:** When the low battery alarm activates, replace all batteries promptly. Use high-quality alkaline batteries of the specified type. Refer to the Components section for battery location (O) and cover (N).
- **Mechanical Key Usage:** Keep the mechanical override keys in a safe, accessible location outside the secured area for emergency use. Test them periodically to ensure they function correctly.
- **Fingerprint Sensor Care:** Keep the fingerprint sensor clean and dry. Avoid scratching its surface.

## 8. TROUBLESHOOTING

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If you encounter issues with your Dormakaba DP 850 Smart Door Lock, refer to the following common problems and solutions:

- **Lock Not Responding:**
  - Check battery level. Replace batteries if low.
  - If completely unresponsive, use the emergency power supply terminal (I) with a 9V battery or the mechanical override key.
- **Fingerprint Not Recognized:**
  - Ensure your finger is clean and dry.
  - Try repositioning your finger on the sensor.
  - If issues persist, re-register your fingerprint.
- **PIN Code Not Working:**
  - Ensure you are entering the correct PIN code.
  - Check if the keypad is illuminated and responsive.
  - If multiple incorrect attempts trigger an alarm, wait for the lockout period to expire.
- **RFID Card Not Detected:**
  - Ensure the card is correctly presented to the RFID reader (B).
  - Verify the RFID card is registered to the lock.
- **Lock Alarms Continuously:**
  - Identify the type of alarm (e.g., low battery, break-in, high temperature) from the status display lamp or audible cues.
  - Address the underlying cause (e.g., replace batteries, secure the door).
- **Door Does Not Lock Automatically:**

- Check if the door is fully closed and aligned with the frame.
- Inspect the mortise and strike plate for obstructions.

If these steps do not resolve the issue, please contact Dormakaba customer support.

## 9. SPECIFICATIONS

Feature	Specification
Model Name	DP-850
Brand	dormakaba
Lock Type	Biometric, Deadbolt, Keypad
Material	Metal
Color	White Gold
Item Dimensions (L x W x H)	23 x 90 x 420 Millimeters (2.3 x 9 x 42 cm)
Item Weight	5.25 Kilograms (5 kg 250 g)
Recommended Door Thickness	40-75 mm
Fingerprint Capacity	Up to 100
RFID Card Capacity	Up to 100
PIN Code Capacity	Up to 4 (4-12 digits)
BLE Device Capacity	Up to 10 mobile devices
Control Method	Touch, Voice
Connectivity Protocol	Bluetooth
Included Components	RFID Card, Screws, Strip, Manual Key (3)

## 10. WARRANTY INFORMATION

The Dormakaba DP 850 Smart Door Lock comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product functions as intended under normal use. Please retain your proof of purchase for warranty claims. For detailed terms and conditions, refer to the warranty card included in your package or contact Dormakaba customer support.

## 11. SUPPORT AND CONTACT INFORMATION

For technical assistance, installation queries, or warranty claims, please contact Dormakaba customer support:

- **Manufacturer:** Dormakaba India Private Limited

- **Importer/Packer:** Build pro Technologies India Pvt.Ltd
- Refer to your product packaging or the official Dormakaba website for the most current contact details, including phone numbers and email addresses.