DESSMANN - SMART CARD LOCK

User Guide C500 - C510
Version 1.5

Contents

Chapter 1

Introduction

1.1   Packing List

Thank you for choosing a DESSMANN lock.
The following accessories are provided in order to set up and use your smart lock:

Item	Qty	Item	Qty
01/ Lock Front Panel	1 Pce	06/ Lock Accessories	1 Set
02/ Lock Back Panel	1 Pce	07/ 1.5V Batteries	4 Pces
03/ Lock	1 Pce	08/ Reset Stick	1 Pce
04/ Mechanical Key	3 Pces	09/ Rubber Seal	2 Pces
05/ User Guide	1 Book	10/ Smart Card	4 Cards

Please check all of the above accessories are included in the box before installation.
In case any of these items is damaged or missing, please contact us or your closest dealer.
Make sure that the mechanical keys can operate the lock.

1.2 Technical Data

| Series		Discovery
Lock	C500 Front Panel Dimension (HxLxW)	300x70x24mm
	C510 Front Panel Dimension (HxLxW)	320x70x30mm
	Back Panel Dimension (HxLxW)	300x70x27mm
	Weather Resistant Body	●
	Locker Mechanism	●
	Hidden Mechanical Lock	●
	Power Supply	2 sets of 4 AA Batteries
	Emergency Power Supply	9V Battery
	Durability	Lock Tested More Than 100,000 openings
Interface	Screen	Dot-Matrix Screen
	Keypad	15 Buttons
Functions	Main Opening Method	Smart Card MF1 (13.56MHz)
	Alternative Opening Method	Password, Mechanical Key
	Card Capacity	30 Smart Cards
	Password Capacity	30 Passwords
	Time Display	●
	Low Power Notification	●
	System Reset Button	●
Security	Admin Authentication	Admin Password
	Registered User Identification	By Name
	Users Log-In Record	1,024 entries
	Failed Card Authentication	System Freeze for 3 Minutes after 5 Failed Attempts
	Failed Password Authentication	System Freeze for 3 Minutes after 5 Failed Attempts
	Save Data when System is Down	●
	Wrapped Password	●

Due to continuous improvements, we reserve the right to amend

any aspect of the above specifications without notice.

Chapter 2
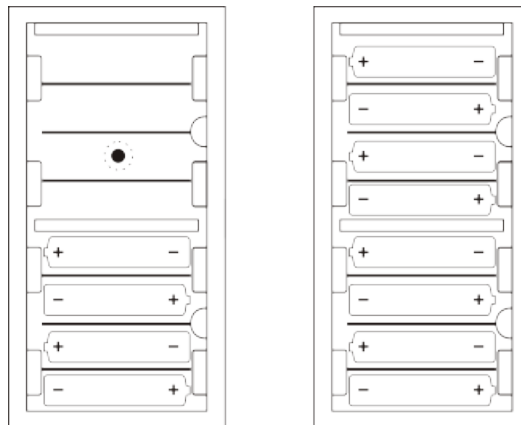
Product Description
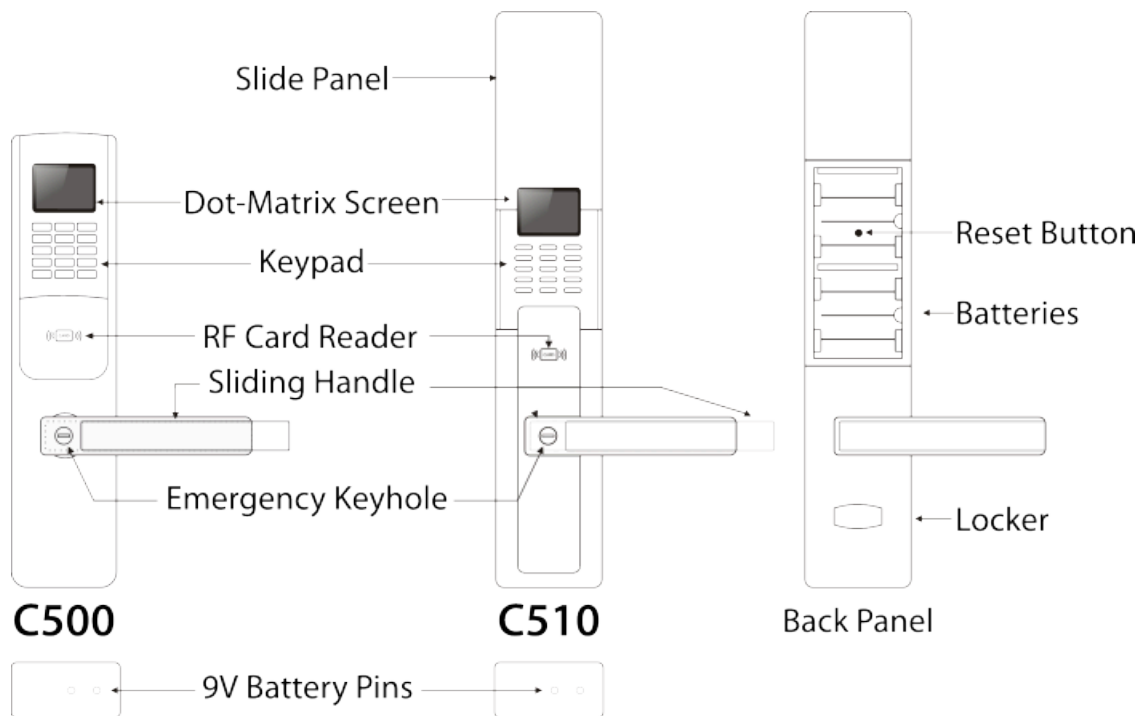
Numeric Keys:	Input Password and Name
START:	Start the system
MENU:	Enter the Menu or Go to Previous Menu
ENTER:	Save or Confirm
↑:	Scroll Up
↓:	Scroll Down
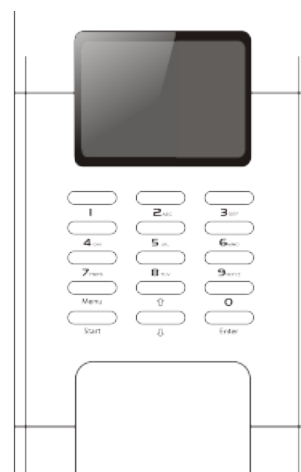
Chapter 3

Basic Instructions

3.1   Batteries Setup

One set of 4 AA batteries or two sets of 4 AA batteries are required to power the lock.

3.2   System Start and Shutdown

3.2.1   Start

Make sure the batteries are properly installed, then start the system as follows:

- Scan a card at the card reader

  OR

- Press **ENTER**

The screen will lighten up after system start

3.2.2   Shutdown

System will automatically shutdown when not in use.

Chapter 4

Quick Start

| Functions		Operation
Enter	System Menu	1/ Press **START**
		2/ Press **MENU**
		3/ Enter Admin Password (Default: 888888)
		4/ Press **ENTER**
New	Password	1/ Enter System Menu
		2/ Select "2.Manage Users"
		3/ Select "1.Add User"
		4/ Select "1.New Password"
		5/ Enter Password (6 digits)
		6/ Confirm Password
		7/ Enter a Name. **ENTER** to Save
	Card	1/ Enter System Menu
		2/ Select "2.Manager Users"
		3/ Select "1.Add User"
		4/ Select "2.New Card"
		5/ Scan Card Twice
		6/ Enter a Name. **ENTER** to Save

4.1 Open the Door

4.1.1 with Card
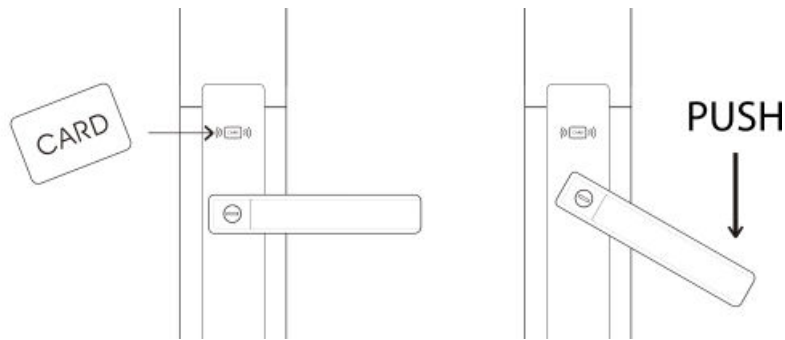
Scan card to unlock the door. Push the handle.

4.1.2 with Password
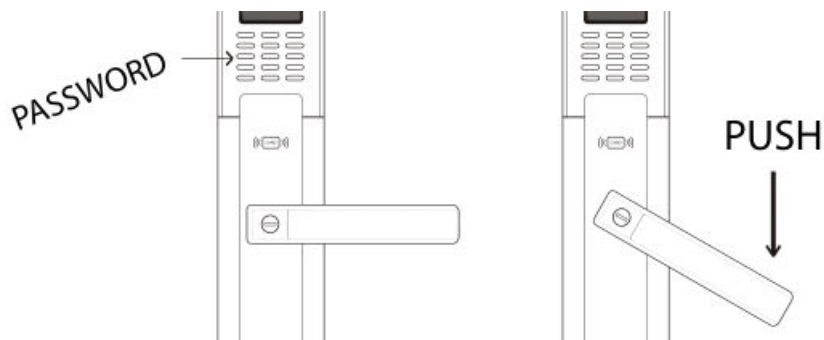
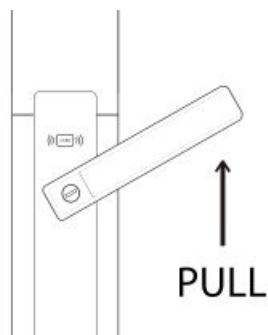Enter password & press **ENTER** to unlock the door. Push the handle.

> 💡**Smart Password**
>
> To confuse people looking at you when you type your password, it can be inputted within a random string of number. If your password is **888888**, the following combinations will still unlock the door:
>
> - 1289<u>888888</u>
> - <u>888888</u>7556
> - 87463<u>888888</u>451879

4.2 Lock the Door

> ⚠**Attention**
>
> To lock the door, you MUST pull the handle up. If not the door will not be locked.

Chapter 5

Lock Menu

DESSMANN lock management software let you easily manage your users. Browse with the arrows keys & press **ENTER** to confirm each step.
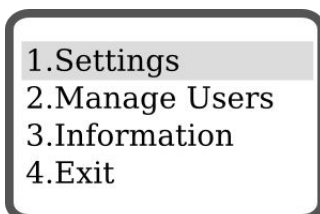
5.1 Enter the System Menu

System can only be managed with the admin password.
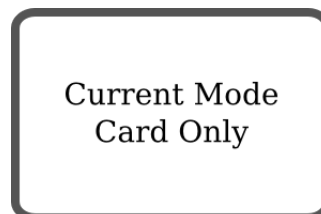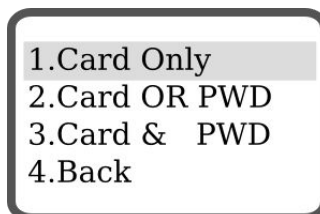Start system (3.2.1) and press **MENU** twice:

```
Enter Admin
  Password:
```

Enter admin password (default: 888888) and press **ENTER**

5.2 Settings

```
1.Settings
2.Manage Users
3.Information
4.Exit
```

5.2.1 Unlock Mode

```
1.Unlock Mode          1.Card Only
2.Admin Password       2.Card OR PWD         Current Mode
3.Set Time             3.Card &  PWD          Card Only
4.Latch Function       4.Back
```
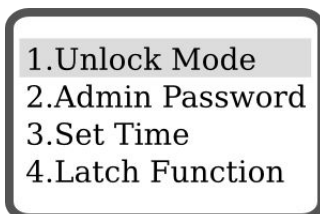
There are 3 modes offered by DESSMANN lock to open the door:

- **Card Only** - Identification with card only

- **Card OR Password** - Identification with either card OR password (PWD)

- **Card AND Password** - Identification with both card AND password (PWD)

5.2.2 Admin Password

```
1.Unlock Mode
2.Admin Password
3.Set Time
4.Latch Function
```

```
Enter 6 Bits
Last Password:

_
```

Enter the last password in use and press **ENTER**. Default: 888888

```
Enter 6 Bits
New Password:

_
```

```
Enter Again
New Password:

_
```

Enter the new password (must be 6 digits, no more, no less), press **ENTER**, confirm it again, press **ENTER**.

> ⚠ **Attention**
>
> For security reason, it is highly recommend to modify the admin password when you first set up your lock.

5.2.3 Set Time

We recommend you to properly set the time to fully enjoy all the functions of your lock.

```
1.Unlock Mode
2.Admin Password
3.Set Time
4.Latch Function
```

```
Set Time


10:21:25
2013/03/30
```

Change the values with the keypad. Press **ENTER** to confirm.

5.2.4 Latch Function

Latch function let you de-activate your the locking function, so your door is always opened opened.

```
1.Unlock Mode
2.Admin Password
3.Set Time
4.Latch Function
```

```
1.Open
2.Close
3.Back
```

- Open - Your lock will always stay open, you will not need to scan your card or enter your password to open the door.

- Close - Your lock will function normally. You will need to scan your card or enter your password to open the door.

5.3   User Setting

```
1.Settings
2.Manage Users
3.Information
4.Exit
```

5.3.1   Add User

```
1.Add    User
2.Delete User
3.Back
```

New Password

```
1.New Password      Enter 6 Bits         Enter Again
2.New Card          New Password:        New Password:
3.Back
                    _                    _
```

Enter the new password (must be 6 digits, no more, no less), press **ENTER**, confirm it again, press **ENTER**.

```
    Enter Name:
                            'name'
 ^                          Saved
 ↑Clear      ↓Next
```

Enter a name for this user using the keypad. The name can only have a maximum of 6 digits or characters. Press **ENTER** to confirm.

New Card

```
1.New Password          Scan              Scan Again
2.New Card            New Card            New Card
3.Back
```

Scan the new card twice.

```
    Enter Name:
                            'name'
 ^                          Saved
 ↑Clear      ↓Next
```

Enter a name for this user using the keypad. The name can only have a maximum of 6 digits or characters.

11

Press **ENTER** to confirm.

> ℹ️ **Smart Card & Tag**
> Any Smart Card or Tag MF1 (13.56MHz) can be registered in the system. Try with your office tag or electronic ID card.
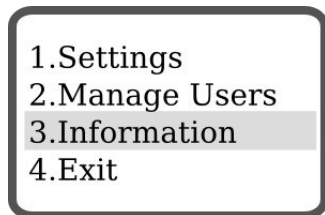
5.3.2 Delete User

```
1.Add    User
2.Delete User
3.Back

```

```
01 PWD   name1
02 PWD   name2
03 Card  name3
              1/2
```
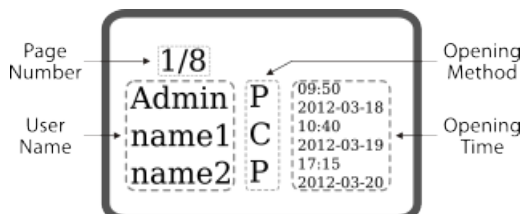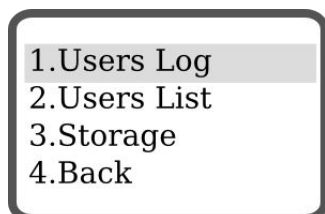
Select the user you want to delete with the arrows keys & press **ENTER** to confirm.
Note: PWD for Password.

5.4   Information

```
1.Settings
2.Manage Users
3.Information
4.Exit
```

5.4.1   Users Log

```
1.Users Log
2.Users List
3.Storage
4.Back
```

Page Number → 1/8   Opening Method

User Name →
```
Admin  P   09:50
            2012-03-18
name1  C   10:40      ← Opening Time
            2012-03-19
name2  P   17:15
            2012-03-20
```
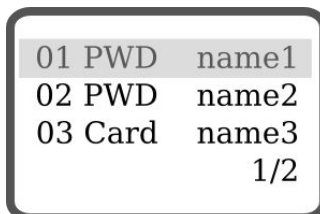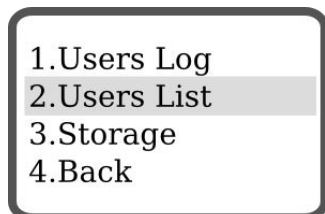
Users log informs you about:

- User Name

- Opening Method

    - **C** for Card
    - **P** for Password
    - **A** for Card & Password

- Opening Time

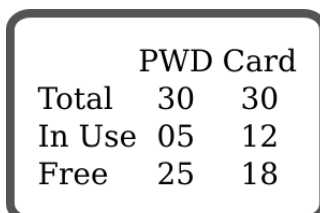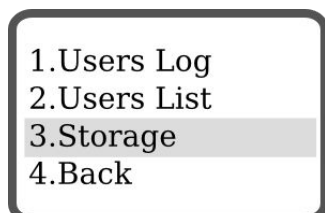Change page with the arrows keys & press **ENTER** to exit.

5.4.2   Users List

```
1.Users Log
2.Users List
3.Storage
4.Back
```

```
01 PWD    name1
02 PWD    name2
03 Card   name3
              1/2
```

Users list informs you about which user is registered in the system. Change page with the arrows keys & press **ENTER** to exit.
Note: PWD for Password.

5.4.3   Storage

```
1.Users Log
2.Users List
3.Storage
4.Back
```

```
          PWD Card
Total    30    30
In Use   05    12
Free     25    18
```

Storage informs you about how many users are registered in the system. Press **ENTER** to exit.

- **Total** - Total of password & card slots in the system

- **In Use** - Total of password & card allocated to the users

- **Free** - Total of password & card available to register new users

Chapter 6

Lock Functions

6.1 Alarm Functions

6.1.1 Illegal Intrusion Alarm

If an illegal intrusion occurs, such a thief trying to pick-lock your door, a buzzer will ring and the following will be displayed:
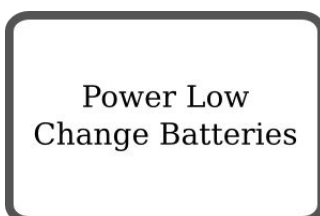
```
Warning!
```

6.1.2 Multi-attempts Alarm

After 5 failed authentication with card or password, the system will freeze for 3 minutes.

```
Too Many Errors
Try Again Later
```

## 6.2 Batteries Low

```
Power Low
Change Batteries
```

- When the batteries are low, a buzzer will bip as a warning when you open the door & a message will be displayed on the screen at the same time.

- The lock will still operate for about 250 times after the first warning. To keep on operating your lock, replace the batteries as soon as possible.

- Check the system time after batteries replacement, because time information will be stored only for 2 days without power (require 24H of battery use first).

- Recycle the used batteries according to the related laws and regulations of your country.

6.3 Emergency Battery

In case the lock runs out of battery. You can power the system with a 9V battery.
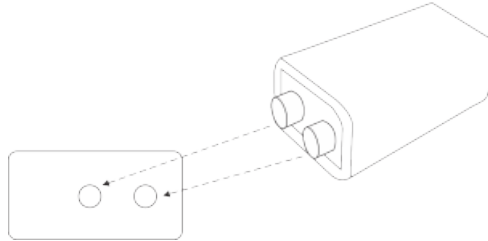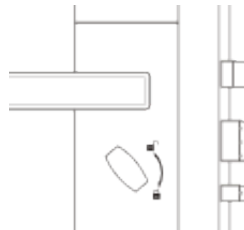
Just plug a 9V battery on the 2 pins located below the front panel and you can operate your lock as usual. Don't forget to change your batteries afterward.
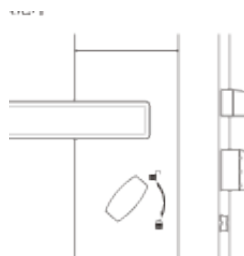
6.4 Locker Function

6.4.1 Close Position

When the locker is in the close position, nobody can open the door from outside (either with Card, Password or Mechanical Key).

6.4.2 Open Position

When the locker is in the open position, the door can be opened from the outside (either with Card, Password or Mechanical Key).

6.5 Mechanical Key

In case of system failure or damage, the lock can still be opened with a key. The keyhole is located inside the handle. To open the handle slide, grasp the handle the same way you would to open the door. Press the button situated below your little finger. It will automatically open the handle slide.
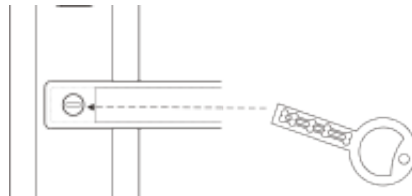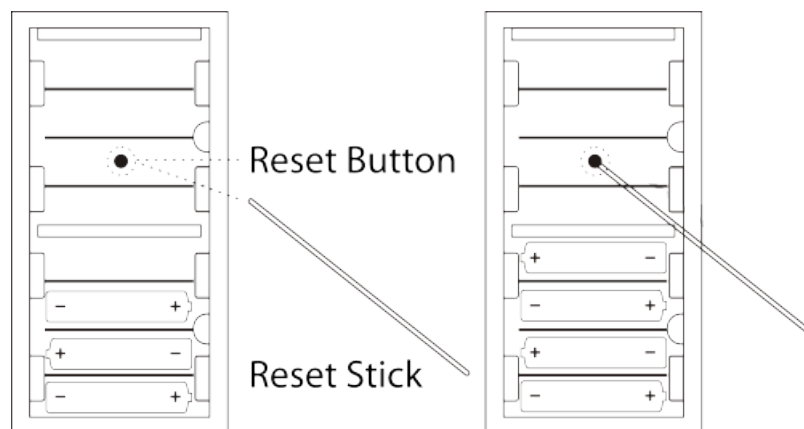
We advise you to leave the keys outside of your house, so you can get one of them in case of emergency.

6.6 Factory Reset

To delete all datas stored in the lock, proceed to a factory reset:

1. Open the battery cover, leave one set of 4 batteries and take one single battery out

2. Keep press **Reset Button** with the Reset Stick and re-install the battery

3. "Factory Reset?" will display on the screen, press **ENTER** to confirm. Factory settings are restored.

⚠ **Attention**

Factory reset will delete all the datas in the system:

- Admin Passwords

- User Passwords

- User Cards

- Log-in Record

- Time

Chapter 7

Product Warranty

DESSMANN warrants to the original purchaser that the hardware product shall be free from defects in material and workmanship for twelve (12) months from the date of purchase.

If a defect covered by this warranty occurs during this warranty period, DESSMANN or a DESSMANN AUTHORIZED REPAIR CENTER will repair the defective hardware product or component, free of charge. The original purchaser is entitled to this warranty only if the date of purchase is registered at point of sale or the consumer can demonstrate, to DESSMANNs satisfaction, that the product was purchased within the last 12 months.

SERVICE AFTER EXPIRATION OF WARRANTY

Please try our website at www.dessmannlock.com or call the Consumer Assistance Hotline at 0086-40060-00028 for troubleshooting information and/or referral to the nearest DESSMANN AUTHORIZED REPAIR CENTER. In some instances, it may be necessary for you to ship the complete product, FREIGHT PRE-PAID AND INSURED FOR LOSS OR DAMAGE, to the nearest service location. Please do not send any products to Dessmann without contacting us first.

WARRANTY LIMITATIONS

THIS WARRANTY SHALL NOT APPLY IF THIS PRODUCT:

1. IS MODIFIED OR TAMPERED WITH

2. IS DAMAGED BY NEGLICENCE, ACCIDENT, UNREASONABLE USE, OR BY OTHER CAUSES UNRELATED TO DEFECTIVE MATERIALS OR WORKMANSHIP

3. HAS BEEN ASSEMBLED OR DISASSEMBLED, REPAIRED OR INSTALLED WITHOUT PERMISSION

4. HAS BEEN DAMAGED BY THE BATTERIES

5. AS HAD THE SERIAL NUMBER ALTERED, DEFACED OR REMOVED.

ANY APPLICABLE IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY LIMITED IN DURATION TO THE WARRANTY PERIODS DESCRIBED ABOVE (12 MONTHS). IN NO EVENT SHALL DESSMANN BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES RESULTING FROM THE BREACH OF ANY IMPLIED OR EXPRESS WARRANTIES.

Chapter 8

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