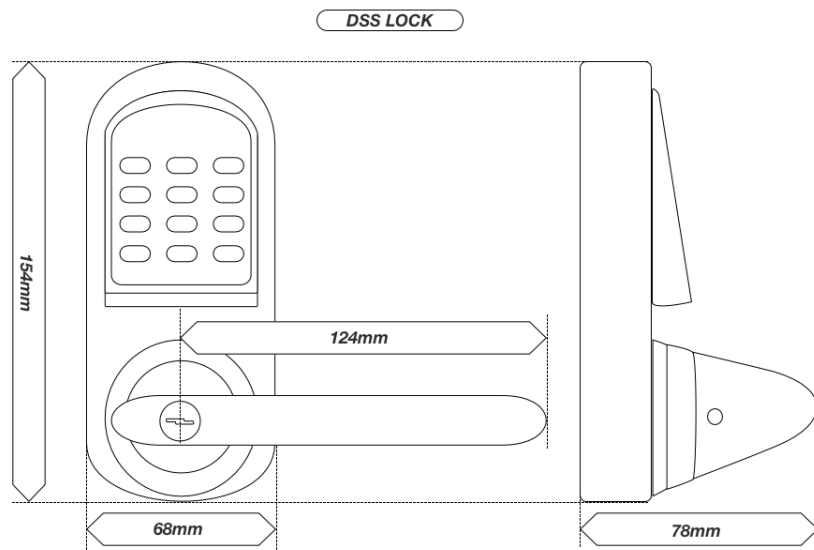# NFC Series

www.nestech.com.tw

Features & Benefits

- Easy to install and set up using DSS APP.
- Quick set up using inductive smart cards.
- Time-schedule set up
- Service code function up to 3 times access.
- NFC card launching function via APP for airbnb manager, office, school, or small hotel (Android only).
- AES 128 bit encryption system.
- Low power consumption.
- Simple APP management system.
- Encryption & Decryption without Internet.
- Four AA Alkaline batteries for 1.5 to 2 years normal usage.

Overview

DSS NFC Series is an easy APP management system which makes house owners and managers generate the access code simply via APP. No need for Wi-Fi connection. Guests would simply enter access code given by the hosts, and the door would open. Furthermore, with guest Vkey APP, your cell phone can be your key(Android only).

With our AES-encrypted algorithm, hosts can control their entrance remotely worldwide without limitation of the Internet.

Furthermore, with NFC function cell phone, you can easily use your cell phone as the key or launch access card via your cell phone for your customers.
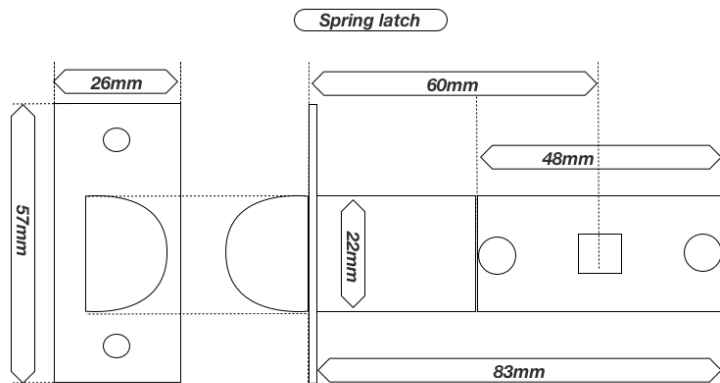
Mobile App

In iOS system, you can directly produce access code via phone, no need to memorize bunch of instructions.

In Android system, not only can produce access code, with NFC function, you can produce specific smart card simple via the phone.

Available on the App Store

ANDROID APP ON Google play

DSS LOCK

154mm

124mm

68mm

78mm

Design — NESTECH — www.nestech.com.tw

Spring latch

26mm

60mm

48mm

57mm

22mm

83mm

Design — NESTECH — www.nestech.com.tw

Specifications

Weight	2.7kg
Power Source	4 AA Alkaline
Keypad	Back light keypad
Handle	Zinc alloy
Thickness	32mm ~ 45mm
Temperature Range	-20 to 120 degrees F (-34 to 50C) C6
Exterior Dimension	154mm * 68mm
Interior Dimension	154mm*68mm
Working Current	50 mA
Working Voltage	5V ~6V
Low power warning	< 5V
Card Type	NFC

Compatible Key
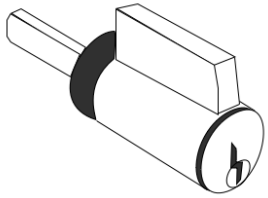
- Designed as individual part that can still be open with electrical malfunction.
- Can be customized as Master key.

Door Thickness

60mm

40mm   32mm

60mm

54mm

| Design | NESTECH | www.nestech.com.tw |
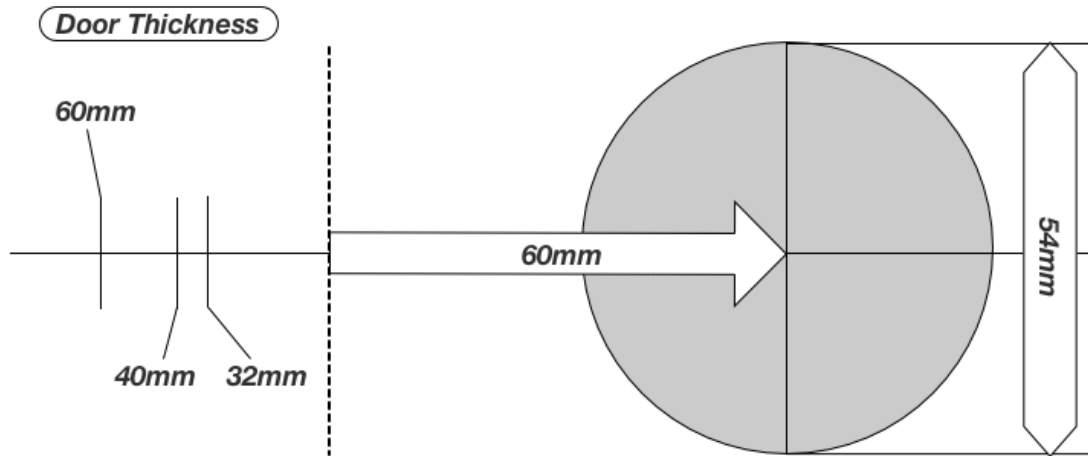
NFC series technology reader

NFC reader，DSS NFC series frequency is 13.56MHz，support NFC Read / Write mode，and Peer to peer mode.

NFC Tag type2 support

Brand	Part Number	Frequency	Description	Remake
NXP	NTAG 212 NTAG 213 NTAG 215 NTAG 216	13.56MHz		ISO 14443 TypeA

DSS Lock Storage Description：

We divided three sections in DSS NFC series storage memory.

1. Keypad-programmed access code storage.
2. Card setting storage.
3. APP-produced access code storage.

	Access code/cards	Description
Keypad-programmed access code/card	50 set (01-50) of access code/card	Produce access code / card via keypad that can be deleted individually.
Card Setting	50 set	Master card can produce 50 pass cards. Cannot delete individually.
APP-produced access code	25 set	Each code produced by APP creates 4 pass codes.

These storage areas can be deleted separately as well as deleted all of them at one time. Please refer to operation manual for more details.

DSS APP Function（IOS & Android）：

Function Description	Symbol	Description			
		Virtual Key	Pass code and Card production	IOS App Virtual Key Transferring	Android App Virtual Key Transferring
Anytime		16 digits virtual key Without restriction on time and frequency usage.	Can create 6-digit specific passcode or pass cards through the virtual key.	SMS Mail	SMS Mail NFC Card
Time Schedule		16 digits virtual key With restriction via time schedule setting.	Can create 6-digit specific passcode or pass cards through the virtual key.	SMS Mail	SMS Mail NFC Card
Service Code (Time Limits)		16 digits virtual key With time limits up to 3 times.		SMS Mail	SMS Mail NFC Card
Cover		With cover button on, you can produce new access code that covers previous ones.			

More information, please refer to operation manual

Virtual Key Regulation：

Each virtual key not only can get access into the house but also can create 4 sets of your own passcodes/pass cards under three condition as anytime, scheduled, and time limits (service code).

Note: Please notice each virtual key can create only 4sets of passcodes or cards. It is a circulation access control system that if you create 5th pass code, it will cover the 1st passcode, and so on. There are 25 sets of virtual keys in a total, if you produce 26th virtual key, it would cover 1st , and so on.

Android App NFC & Peer to Peer Function：

If your Android cell phone has NFC built-in function, then you can directly set up all programming steps by simply operating DSS APP. Just programme on your cell phone, and use Peer-to-Peer function to transfer all setting to our lock to finish your easy management!

In addition, you can also choose to write into NFC card by using your cell phone in order to make a small front-desk service like a small hotel!

More information, please refer to operation manual.