

User Guide

Model LF12-RL





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Features

Ok Digital's LF series are the most intuitive and convenient digital furniture lock that incorporates 20 years of accumulated technology and know-how.

RF type model LF12-RL provides,

- Long battery life with mechanical type in-use indicator (18 months with 3 alkaline batteries, 10 times per day)
- Stronger security through three levels key management system
- Emergency power supply through micro-USB
- Ergonomic and trendy front design



In-use
Indicator



Ellipse
Front Design

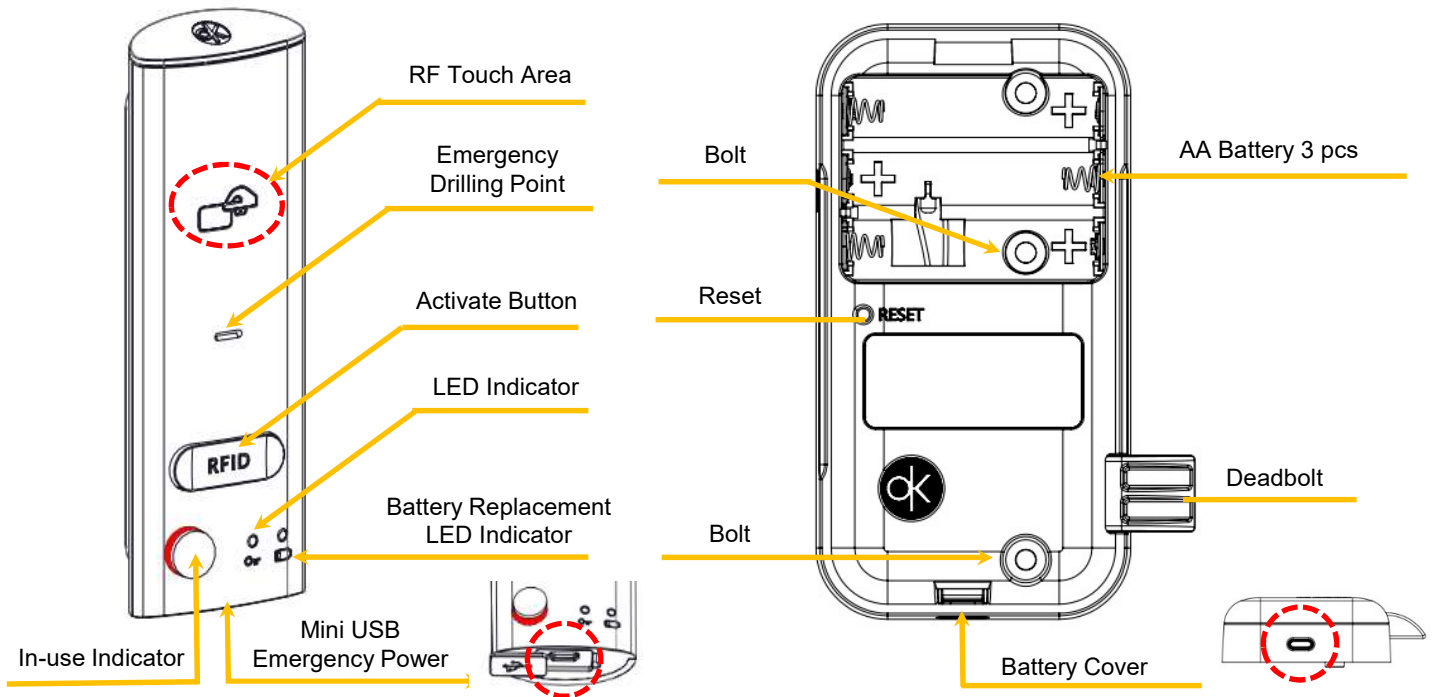


Micro USB
Emergency Power

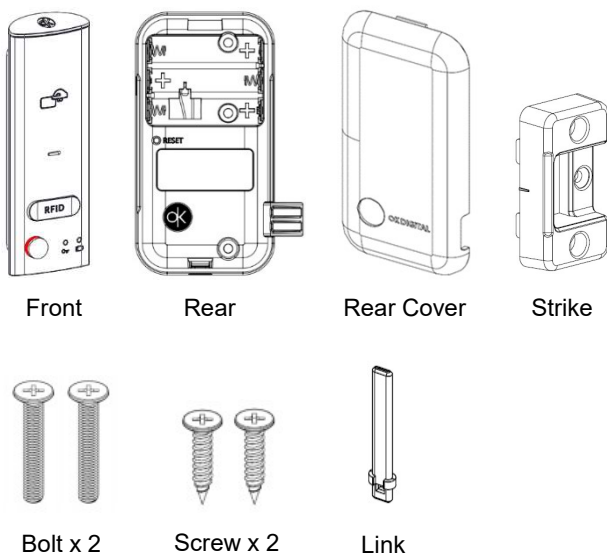


Parts, Specifications

LF-12RL



Package included



Specifications

Card Level	Owner(1), Master(1~5), User(1~5), Cleaner(1~5)
Front Size	38(W) X 108.4(H) X 16(T) mm
Rear Size	66(W) X 125(H) X 25(T) mm
Battery	3 AA Alkaline Batteries (+4.5V DC)
Battery Life	Up to 18 months (10 times per day)
Material	PC, ABS Alloy
Authentication	13.56 MHz RFID Card
Front Color	Black/Silver or White/Silver
Rear Color	Black
Door Thickness	15mm, 18mm, 20mm
Supported Mode	Private
Environment	-15°C ~ 55 °C, 95 %RH

- ❖ Link will be provided with an adequate size that fits the door thickness.
- ❖ Cleaning with soft fabric. Do not use benzene, thinner or gasoline.
- ❖ In-door use only



Front Color Options

LF12-RL



LF12-RL-BK



LF12-RL-WH



LF12-RL-BR



LF12-RL-BU



LF12-RL-GR



LF12-RL-GY

Standard color: Black(BK), White(WH)

Optional color: Brown(BR), Blue(BL), Green(GR), Gray(GY)







Card Levels

Card Level	No. of Card	Functions
	1	<ul style="list-style-type: none">• Top level card but cannot lock or unlock• Only one Owner card can be registered• First touched card became Owner card• Register or delete Master card and Cleaner card• Change modes and functions• Owner card can be changed by Owner card
	5	<ul style="list-style-type: none">• Second level management card• Can be registered up to five Master card by Owner card• Register or delete User card• Unlock the lock but the User card will be deleted right after use master card• The lock will be stay opened when it opened with Master card.
	5	<ul style="list-style-type: none">• Lock or unlock• Up to five User cards can be registered by Master card• Register all User cards when lost any one of the User card
	5	<ul style="list-style-type: none">• Unlock the lock, automatically locked after use (private & public)• Can be registered up to five Cleaner cards by Owner card• Be aware use of the Cleaner card, it does not leave any traces of use. Cleaning purpose only• Factory default is “off – not using Cleaner card”. Change it to “on” by Owner card



LEDs & Melody Sounds


LED Indicator	Type	Light Colors	Purpose
	Key Icon	Green, Red, Yellow	Lock Status
	Battery Icon	Red	Battery Change Alarm

Status	 Key LED, times	 Bat. LED, times	Melody (times)
Press activate button	Green, 1	off	1
Entering change mode//function	off	off	3
Incorrect card	Red, 4	off	4
Delete card	Red, 8	off	4
Unlock	Green, 3	off	4
Lock	Red, 3	off	3
Card deleted	off	off	6
Correct card	Green, 2	off	2
Not registered card	Red, 3	off	6
Mode changed	Green, 3	off	2
Reset	Yellow, 1	On, 1	1
Deadbolt jammed	Yellow, 2	On, 2	4
Emergency opening	Yellow, 2	On, 2	5 (10 seconds)
Battery change warning	off	On, 5	6
Card registered	Green, 3	off	2
Master card registration mode	Red (8 seconds)	off	none
User card registration mode	Green (8 seconds)	off	none
Card already registered	Red 2	off	5
Battery changed	off	off	5




How to Use


Register Owner Card

Press activate button  → touch any card marked “Owner”


- ❖ 1st touched card became Owner after installation

Register / Change Master card

 → Owner → any cards marked “Master” up to five

- ❖ Master can be registered up to 5 or touch same card twice to stop the registration.
Ex.:  → Owner → Master 1 → Master 2 → Master 2
✓ 2 Master cards has been registered.
- ❖ All previous Master cards will be deleted as soon as a new Master card is registered

Register / Change Cleaner card

 → Owner (4 seconds) → any cards marked “Cleaner” up to five

- ❖ Cleaner card can be registered if the Cleaner card function is “On”.
- ❖ Up to 5 Cleaner cards can be registered or touch same card twice to end the registration
- ❖ All previous Cleaner cards will be deleted as soon as a new Cleaner card is registered


Register / Change User Card

 → Master → touch any card marked “User” up to 5

- ❖ Up to 5 User cards can be registered or touch same card twice to end the registration.
- ❖ All previous User cards will be deleted as soon as a new User card is registered.

Use User Card

1. Lock (Manual locking mode)

 → User


2. Lock (Auto locking mode)

- Close door

3. Unlock (all modes)

 → User

Use Master Card

 → Master

- ❖ All User cards will be deleted, and the door will be stay unlocked after use of the Master card.



How to Use

Use Cleaner Card

RFID → Cleaner

- ❖ Automatically locked after use of the Cleaner card (Private & Public)
- ❖ Be aware use of the Cleaner card, it does not leave any traces of use. Cleaning purpose only

Change Owner Card

RFID → current Owner (8 seconds) → Melody → new Owner

- ❖ Even if change the Owner key, all other registered cards and functions remain the same.

Melody On / Off

RFID → Owner → RFID (4 seconds) → melody → RFID → Owner

- ❖ Toggle function
- ❖ Factory default : **Melody On**
- ❖ Warning alarms such as opening by force will be maximum volume level even if the melody setting is off.

Auto Locking / Manual Locking

RFID → Owner → RFID (4 seconds) → melody → RFID RFID → Owner

- ❖ Toggle function
- ❖ Factory default : **Manual locking**

Cleaner Function On / Off

RFID → Owner → RFID (4 seconds) → melody → RFID RFID RFID → Owner

- ❖ Toggle function
- ❖ Factory default : **off** (Not using Cleaner card)

Delete all Cards except Owner Card

RFID → Owner → RFID (4 seconds) → melody → RFID RFID RFID RFID RFID → Owner



How to Use

Detect Door Status On / Off

RFID → Owner → RFID (4 seconds) → melody → RFID RFID RFID RFID RFID RFID → Owner

- ❖ Toggle function
- ❖ Factory default : On

✓ Differences between Detect / Not detect – Door Status

(Lock, detect door status Off)

- Press “Activate” button → touch any User card

(Lock, detect door status On)

- Close door

(Unlock)

Press “Activate” button → touch any User card

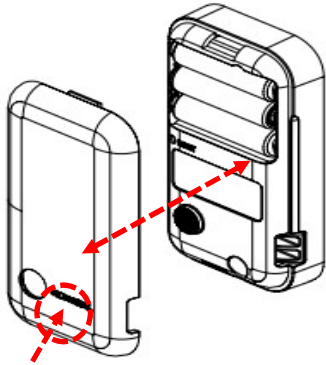
- ❖ Unlock but not open the door (**detect door status ON**)
 - Will be locked again in 5 seconds automatically
- ❖ Unlock but not open the door (**detect door status OFF**)
 - Stay open



Battery Replacement, Emergency Power

Battery Replacement

1 | Open Battery Cover

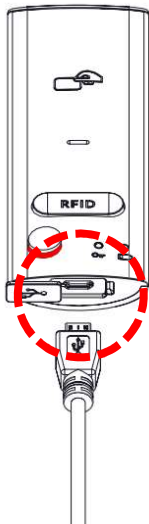


Plug in the battery cover until it clicks

- ① Need to replace the battery with new one when battery replacement LED is blinking.
 - ② Replacing the battery does not change all existing settings and codes.
- ※ Please make sure the battery cover is plugged in completely.

Emergency Power

2 | Use 5 pin mini-USB at the bottom of the front



- ① Connect 5V mini-USB into the emergency power supply port.
- ② Open the lock with User Code or Master Code.
- ③ Replace the battery with new one.

※ Emergency power supply can be used when the battery is completely exhausted, and the lock is not working.

※ User code is deleted when the Master code is used.

- In Public mode, the lock will stay unlocked.
- In Private mode, the User code is deleted. Need to register a new User code.

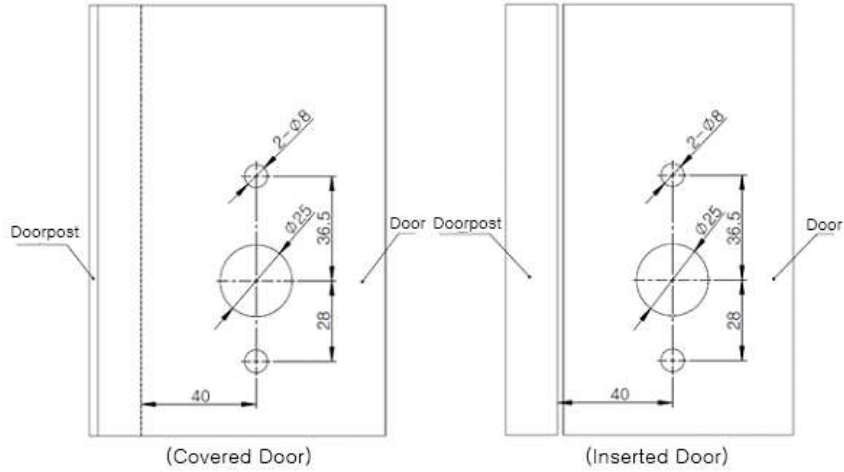
Fault Diagnosis & First Aid

- Lost User card : Use Master card to open the door and register new User card(s).
- Cannot lock the door : There is a warning alarm if the door is droop or clothes get stuck on the door. Fix the door or remove the cloth away from the door

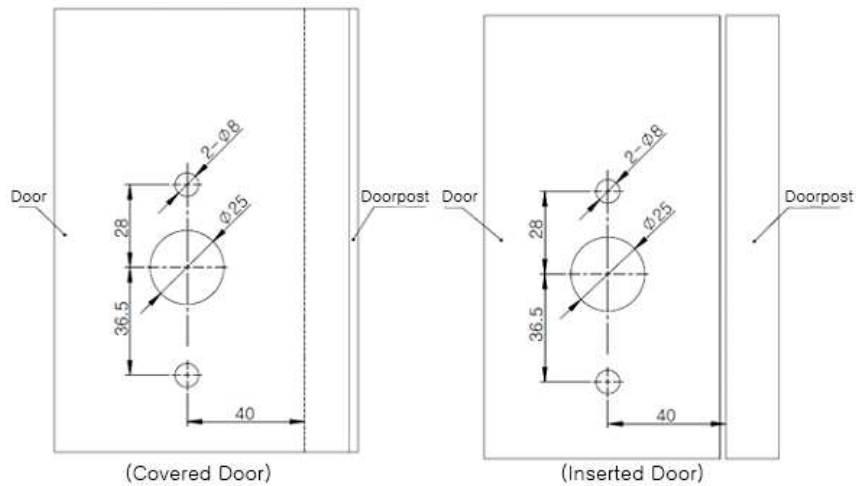


Punching Installation Holes

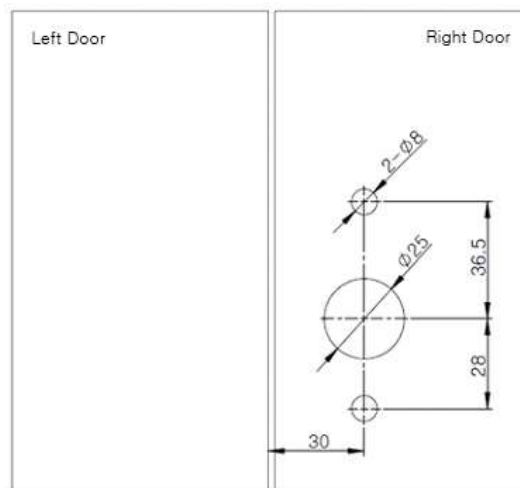
Right Hand Door



Left Hand Door



Two Door

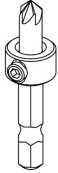




Emergency Opening by Force

Tools

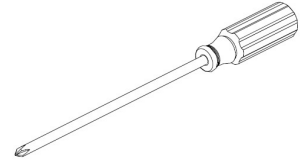
Drill Bit (Option)



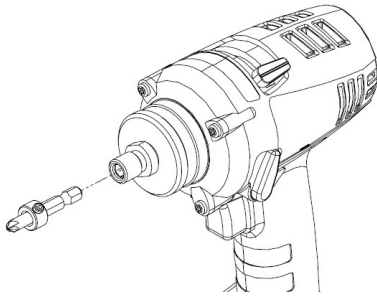
Electric Drill



“+” Screwdriver

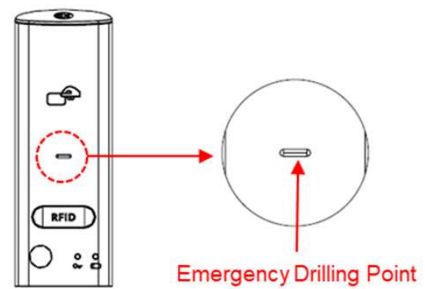


1



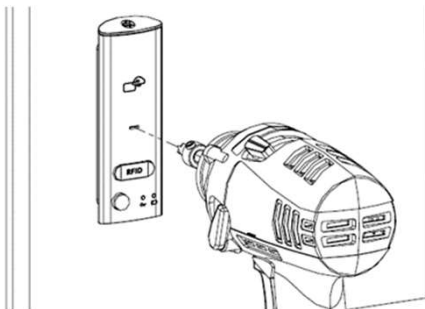
Insert the drill bit into the electric drill.

2



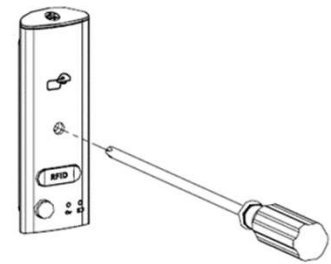
Check exact drilling point.

3



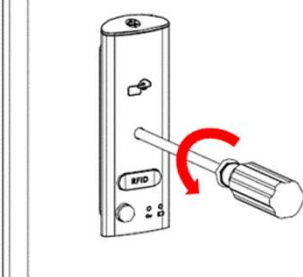
Drill to make a hole through the drilling point.

4



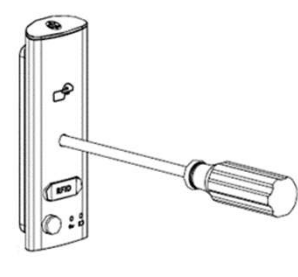
Insert “+” screwdriver into the hole.

5



Turn the driver count-clockwise.

6



Open the door.

❖ There will be warning alarms for 20 seconds when the door is opened by force at the maximum volume.

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