Free Mode cabinet lock

1,Overview of Free Mode Cabinet Lock

1.1 Functions:

Any user can use his(her) user card(Mifare1 card and initialized by the handset) to use(lock) any one locker freely at one time. That is: one card can lock any one locker!

1.2Configuration:

Encoder

Software + encoder:

Used to program Master card(Provide Master card only)

Handheld

A. Read card information
B. Setting 5 functions below

1.Read Master Card
2.Clear User Card
3.Init User Card
4.Write No Card
5.Reissue Master card

Locker No. Reader

Locker No. Reader:
used to read locker No. of the user card in case the user forgets which locker he/she used.

Free Mode Cabinet Lock:

Installed on the cabinet, used to protect the user's belongings.

Free mode Cabinet Lock

Mifare Cards:

a.Master card:

The project locks must be controlled by the master card which is programmed(issued) by the software and encoder!
The original master card can be provided by our manufacturer or we manufacturer can provide the software and encoder to the distributor to program the master card by themselves!
When the original master card is missing or lost, the distributor can use Handset to reissue new master card and use the new master card to scan all the locks in a project and the new master card will replace the original master card.

b. Locker No. card:

Any Mifare card can be locker No. card, but before using as the function, the card must be initialized first by the handset.

c. User card:

Any Mifare card can be user card, but before using, the card must be initialized first by the handset. Any one user card can only use (lock) one locker any time.

Master Card& User band

2,Product Features:

1,Simple Program&operation just by a Handheld;

2,Master card controls a whole project;

3,Any one card can use any one locker at any time;

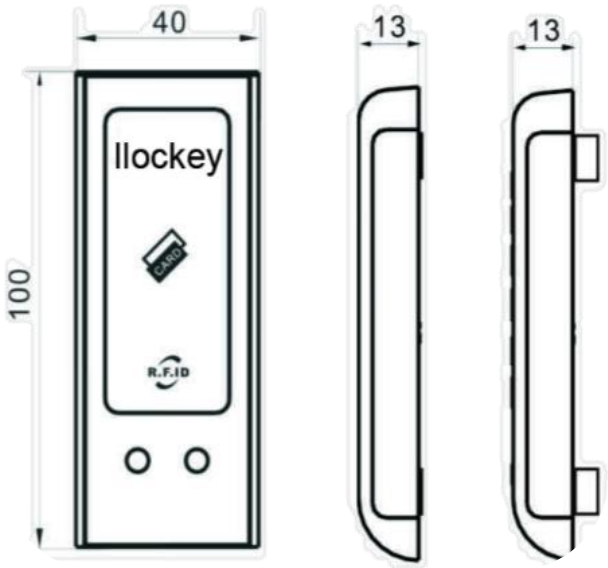
4,Occupied locker will blink to show the locker in use.

3,Technical Paramet

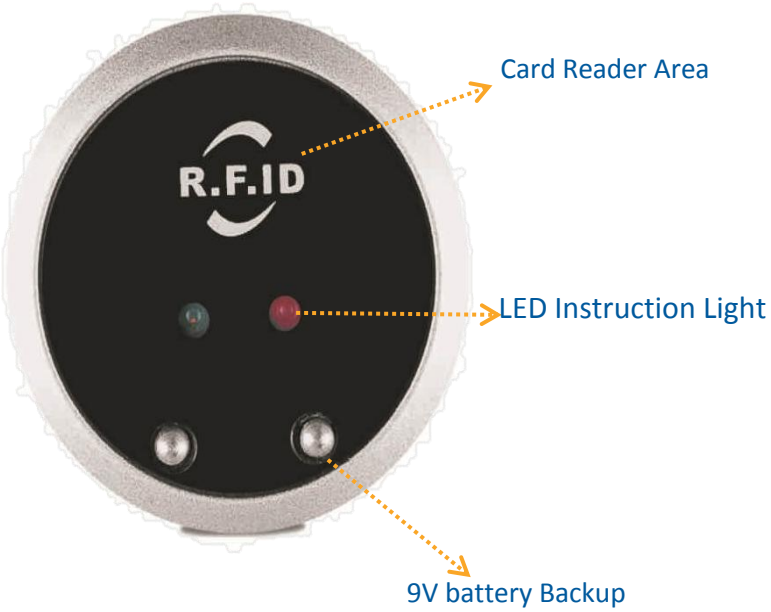
Model No	IC803	IC805	IC806
Static Current	≤25uA	≤25uA	≤20uA
Dynamic Current	≤200mA	≤200mA	≤200mA
Working Temperature	0℃~55℃	0℃~55℃	15°C~55°C
Working Humidity	RH20%~80%	RH20%~80%	RH20%~95%
Power supplier	4.5V/3AA batteries	4.5V/3AA batteries	4.5V/3AA batteries
Low Voltage	3.6V+/-0.2V	3.6V+/-0.2V	3.7V+/-0.2V
Power backup	9V battery	9V battery	9V battery
Life Time	>10,000 times	>10,000 times	>10,000 times
Door Thickness	≥16mm(for wooden door) ≥0.6mm(for metal door)	≥11mm	≥1mm

4,Details and Dimensions of RFID Cabinet Lock

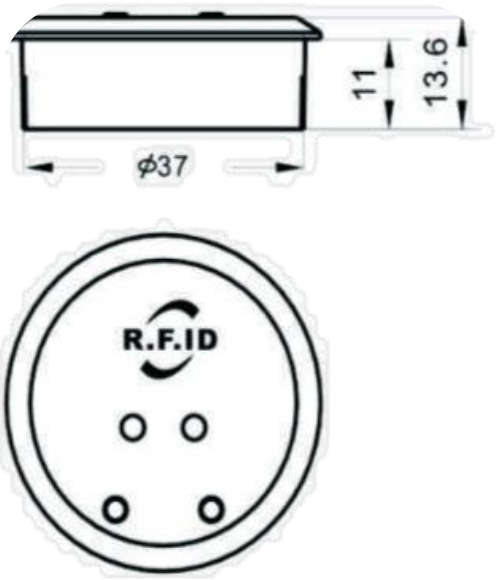
IC803



IC803 Dimension

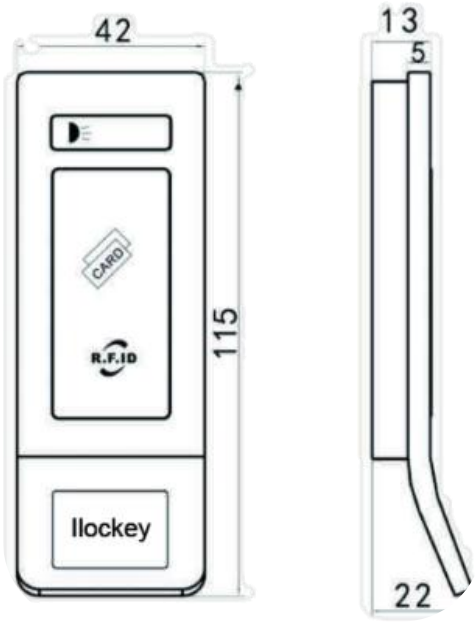


IC805



IC805 Dimension

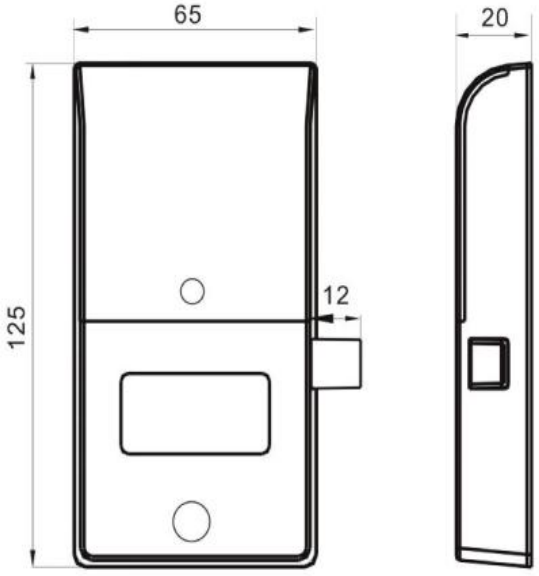
IC806



IC806 Dimension

5,Introduction of Real plate

Any of our front panels can match with below rear panel :

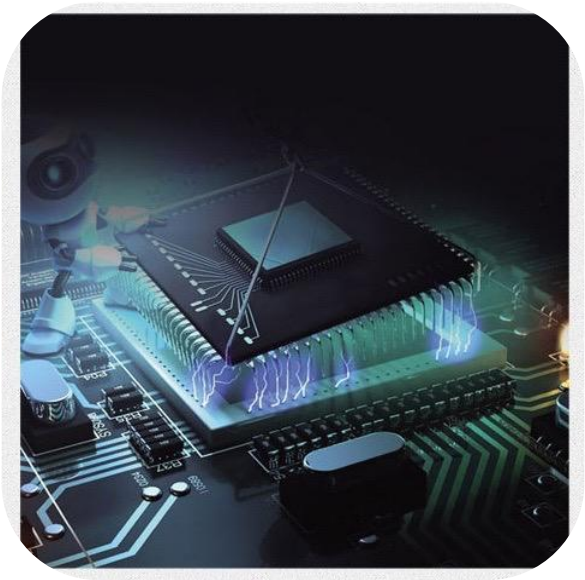


Latch mechanism operation reaches at least 350,000 tims;mortor rotation operation reaches over 450,000 times;800,000+ pcs of rear panels sold and used without any malfunction feedback since 2010.Defect rate is far less than 1/10000.

5.1 The Morto in the 3rd Generation Rear Panel

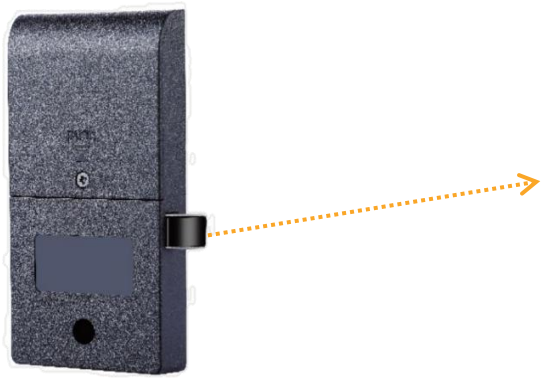
Motor is the heart of the lock, Ilockey adopts Japan MABUCHI micro-motors which ensure 350,000 running times without problem, the malfunction rate is far less than 1/10000.

5.2 PCBA Quality Control:

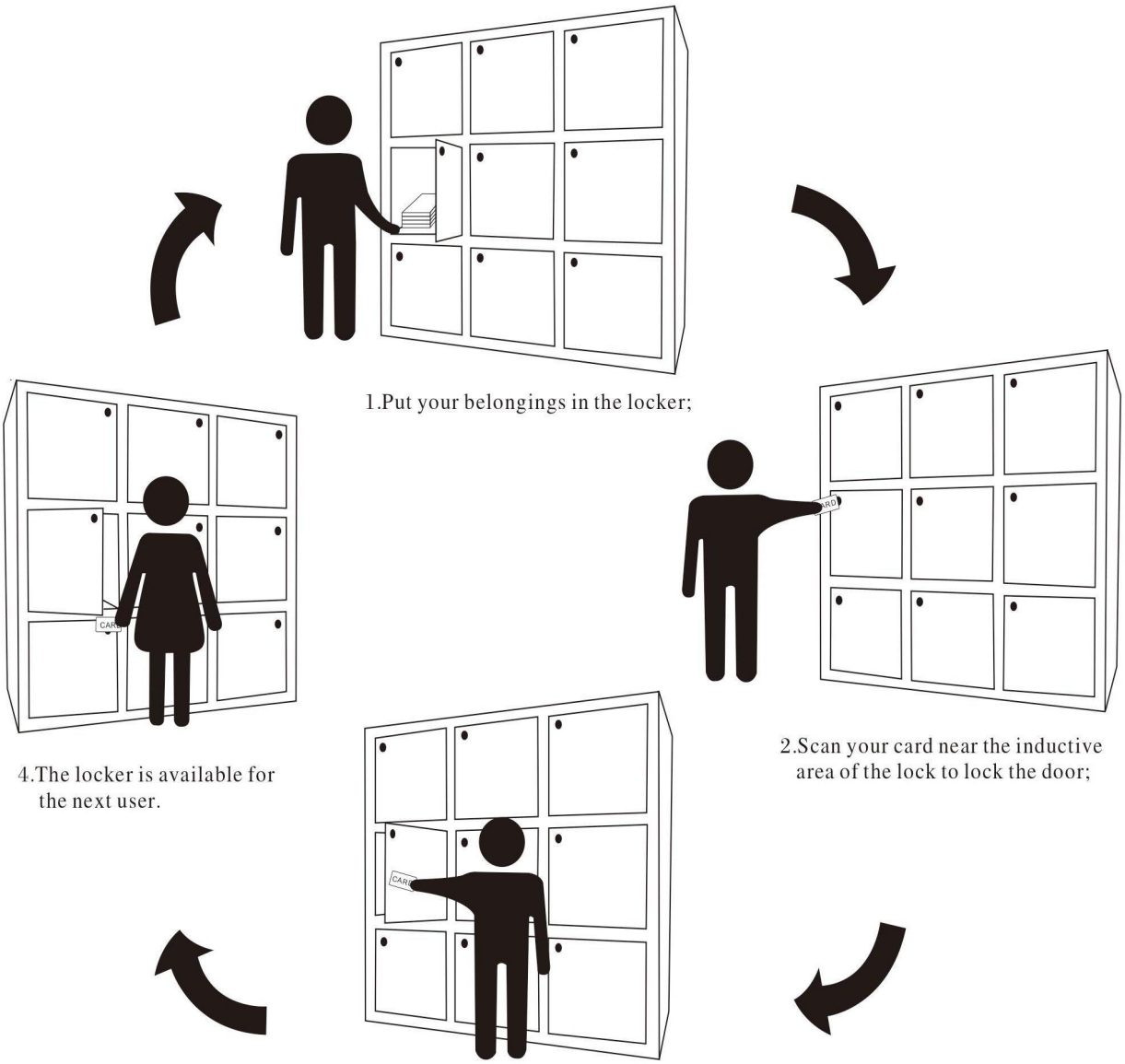


If Motor is the heart of the lock, chip should be the brain of the lock, with the latest model of Philip chipset, the lock rate increase 30% of performance.
The malfunction rate is far less than 1/1000.
At mean time, It past the CE and FCC test.

5.3 Stainless steel latch



6,How to use the locker by your card ?



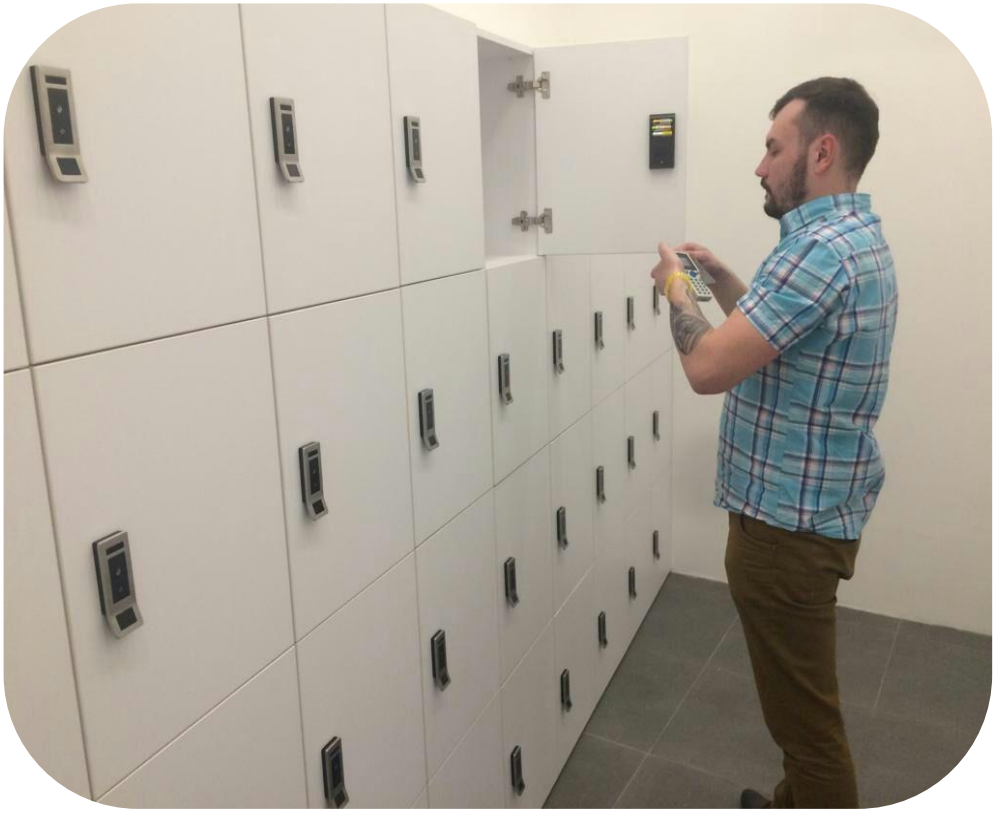
1.Put your belongings in the locker;

2.Scan your card near the inductive area of the lock to lock the door;

3.When you come back, take the same card to scan the lock to open the locker and take out your belongings;

4.The locker is available for the next user.

7,Project for Reference:



8,How to operate the lock?