iDTRONIC
WELLFIT

# ID Lock 1000
# 13.56 MHz RFID Device
# Instruction Manual

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## Contents

# 1 Mode specification

**Setting mode: Press button 3**

### 1.1 Fixed private mode

After sound “di”, lock bolt stick out.
Read the card →motor rotate, lock open →after 3s, lock bolt stick out, lock close

### 1.2 Temporary public mode

After sound “di, di”, the lock bolt retracts.

- It keeps unlock before read any temporary card.
- Users can swiping any card to lock, and use the same card to open.

### 1.3 Fixed public mode

After sound “di, di, di”, the lock bolt stick out.

- It keeps lock before read card.
- After change to fixed public mode, need to set fixed card through manage card.
- After set fixed card, swiping card to open lock, the lock bolt will keep retracted.
- Swiping the fixed card to close the lock.

### 1.4 Random public mode (factory default)

- Before setting mode, user can use any card to close the lock, and need use the same card to open the lock.
- After setting mode and setting manage card, change to temporary public mode.

# 2 Introduction of Function Buttons

### 2.1 Button 1: Set manage card

Press button 1 for 2s, the lock issue a short “di”, then enter into card configuration, swiping one card to be manage card.

- After long sound “di”, the green light will flash, it means setting the card successfully.
- After two short sound “di, di”, the red light will flash, it means setting the card unsuccessfully.
- Can only set one card to be managing card.
- The manage card can only be used to set card but cannot be used to open the lock (Only temporary public mode can open the lock).

**Remark: Set user card (only Fixed private mode & Fixed public mode)**

- Swiping manage card, the lock issue “di”, then enter into card configuration, the green light will flash , then swiping one card to be user card.
- After sound “di”, it means setting the user card successfully.
- Can set user card continuously as long as the green light flash.

Each lock can accept 50pcs card at most.

### 2.2 Button 2: Set delete card

- Press button 2 for 2s, the lock issue a short “di” and enter into setting card, swiping one card to be delete card.
- Delete card can delete all users cards at one-time but cannot delete the manage card.
- Delete card cannot be used to open the lock.

### 2.3 Button 3: Change mode

- Factory mode: Random public mode .
- Press button 3, the lock issue a short “di” and enter into fixed private mode.
- Press button 3, the lock issue short “di, di” and enter into temporary public mode.
- Press button 3, the lock issue short “di, di, di” and enter into fixed public mode.

### 2.4 Button 4: Set single/double card mode

- Press button 4, the lock issue a short “di” and enter into single card mode. Under this mode, can only set user card.
- Press button 4, the lock issue short “di, di” and enter into double card mode. Under this mode, can set user card + staff card at the same time.

**Notes:**

- After change mode, user cards and staff cards will be invalid. But manage card and delete card are still valid.
- Press button “Reset”, the lock issue short “di, di, di” and will be initialized. All cards will be invalid and lock system will be back to random public mode.

## 3 Sound Prompt Function

### 3.1 Card read prompt

According to different functions or states, the lock will issue sound as: “di”, “di, di”, “di, di, di” or a long “di”.

### 3.2 Unlock/Lock

After read the card successfully, the motor will rotating back and forth, the lock will issue sound “di”

### 3.3 Warning

Can set warning tone if the door keeps open for long time .(User can require the time setting when manufacture).For example , if the door is not closed for more than 30 seconds, the buzzer will issue an on-going long “di” to remind user that the door is not closed (This function can be only used in private mode.)

User can press button 1 and button 2 at the same time to choose whether need warning function or not.

## 4 Security Function

### 4.1 Locking of illegal card

- If read the lock with illegal card for 5 times, the system will be locked and use the correct card can read or set.
- In locking condition, if read any card, it will issue "di di di di di" as the alarm sound.

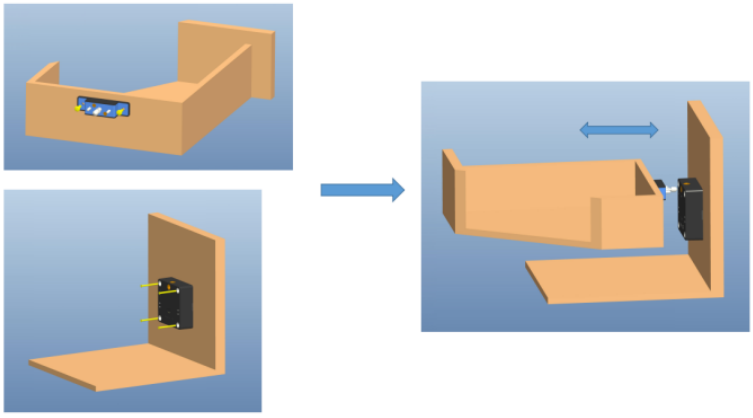
### 4.2 Low voltage alarm

- 4.5V ±0.1V. If read card, the lock will issue “di di di” as the alarm sound.
- 4.0V±0.1V. After unlock for the last time, the motor stops working. The lock is open and cannot be closed any more. User need to change the battery.

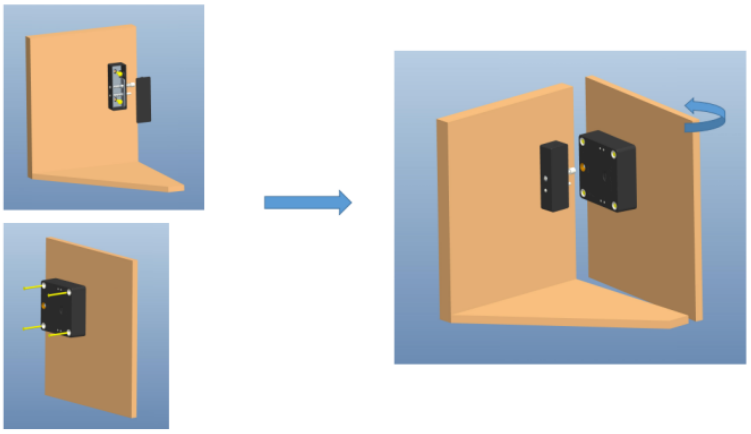
### 4.3 Power saving

If there is no any operation, lock system will enter into sleeping mode after 3seconds.

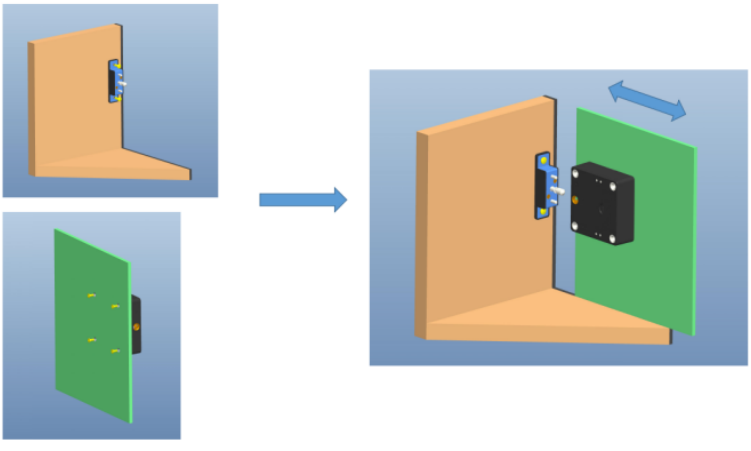
# 5 Installation



Drawer



Ordinary cabinet door



Sliding cabinet door

# 6 Technical Data

| | |
|---|---|
| Name | Electronic RFID lock |
| Model | ID Lock 1000 |
| Material | ABS |
| Size | Lock body (L × W × H): 80 × 80 × 27 mm;<br>Lock hook (L × W × H): 75 × 27 × 21.5 mm |
| Weight | 200 g (with lock hook) |
| Battery | DC 6V (4 × 1.5V AAA size) |
| Driven mode | Motor/servo |
| Static power consumption | 70 µA |
| Dynamic power consumption | 200 mA |
| Warning voltage | 4.5 V |
| Unlock way | RFID card/ 13.56 Mhz |
| Response time | Less than 500 ms |
| Working temperature | -15…+55 °C |
| Working humidity | 5…95 % RH |
| Working life | Standby mode: 1 year |
| Test | Salt spray testing 72 hours |
| Application | Dormitory storage locker; gym cabinet; swimming pool storage locker; drawer |