

Operating Instructions for FD-2100

Declaration of conformity

“Hereby, Firstech I&C Co., Ltd., declares that FD-2100 is in compliance with the essential requirements and other relevant provisions of Directive 1995/5/EC”

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.



- Consult the dealer or an experienced radio/TV technician for help.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

“**CAUTION:** Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user’s authority to the equipment.”

“**CAUTION:** Risk of Explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions”

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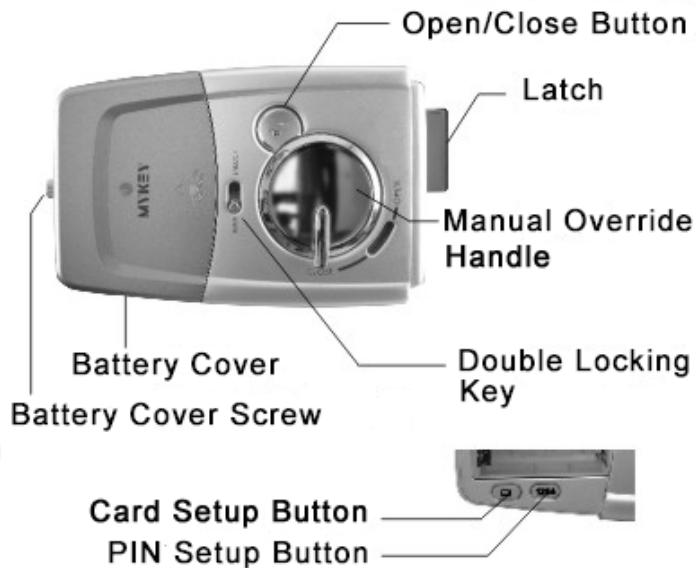
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1. Name of part

1) Outer body



2) Inner body



2. Specifications

Specifications	
Model No.	FD-2100
Size	Inner: 103(H) x 158.5(W) x 40(D) mm
	Outer: 165(H) x 68(W) x 31(D) mm
Power	DC 6V(4 alkaline 'AA' batteries)
Battery life	1 year (assuming 10 open/close a day)
Material	Die Casting (aluminum)
Reading Range	Within 30mm
Available digits of PIN	3-20 digits
Number of cards to register	1-100 cards
Door thickness for installation	35-45mm
Power (for emergency)	DC 9V (not included)

3. Features

-Imaginary numbers before the real PIN

Pressing imaginary numbers (how many digits you want) before the real PIN prevents people who spy out your PIN.

-Setting and modification of password (3~20 digits)

You can set and modify your password at any time.

-Backlighting system

This feature allows you to see the keypad in low light or dark conditions thanks to self-illumination of the buttons.

-Auto re-lock function

If enabled, this function will lock the door within six seconds after being closed. The users do not have to bother locking the door after opening.

-Low battery warning

Red light flashes with an alarm sound to let user know when the battery is running low.

-Tamper proof

All functions will stop for 30 seconds if you enter the wrong password more than three times by mistake.

-Easy installation

The installation of this lock is simple and, in most cases, the existing keyhole can be used. Full installation instruction is supplied.

-PIN memory

Once the PIN is set, it will not be changed or erased even when the batteries are changed.

-Indoor double lock system

The product has an indoor double lock system preventing someone opening the door from the outside. If this function is activated, no one, even with the correct PIN, can open the door from outside.

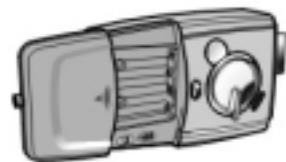
-Outdoor double lock system

The user can use this feature from the outside. If the “Lock Button” is held down for 3 seconds after locking the door, no one can open the door from inside.

4. Operating instruction

-How to set up Personal Identification Number

Open the battery
Cover



Press the PIN setup
button



Press the PIN
(3~20 digits)



Press the PIN setup
button



"Ding Dong Dang"



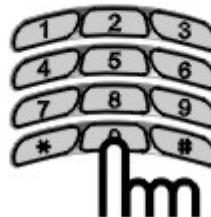
Caution

Leave the door open when changing the PIN.
Then try your new PIN to open the door.

NOTE: All procedures have to be done in 8 seconds.

-How to open the door using PIN from outside

Press  button ➔ Press the PIN ➔ Press  button



-How to open the door from inside

Press Open/Close button



-How to close the door when Auto-relock is activated

The lock will automatically lock the door after being closed thanks to the magnetic sensor.

NOTE: The lock will lock the door 6 seconds after the valid PIN or smart key are input.

-How to close the door when Auto-relock is not activated

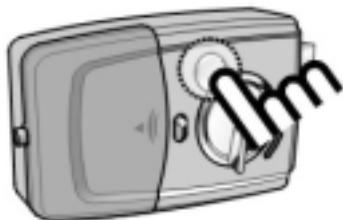
Outside - Press Start/Lock button
to close the door



Inside - Press Open/Close
button to close
the door

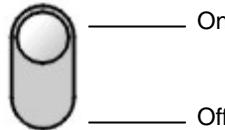
**-How to set automatic lock option**

Press Open/Close button for 5 seconds ➔ Press **3** key twice ➔ Press ***** button



● Beep Beep Beep - Auto

● Beep - Manual

-How to set on/off double lock from inside

The door remains locked despite of inputting PIN or smart keys

-How to set on/off double lock from outside***How to set on**

- 1) Press the “Lock Button” on outer body for 5 seconds
- 2) The double locking function will be activated and the open/close key in the inner side will not work.

***How to set off**

It will open only by PIN or smart key from the outside.

***** This function is especially good when no one is in or going out for a long time.**

-Ports for emergency

In case of emergency situation when the battery power is run out, you can run to the convenient store near by and buy a 9V battery, then contact it to the emergency contact points as shown below, located on the outside body of the door lock, to open the door lock using PIN or smart cards.

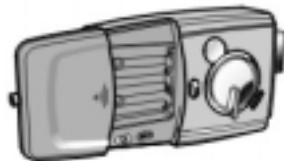


5. How to add or delete the cards

You can open this lock by cards, key tags or "pass-watch" supplied with the system.

-How to register the smart keys (up to 50 smart keys)

Open the battery cover



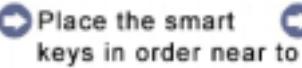
Press the card setup key



Press * on keypads



Place the smart keys in order near to Start/Lock button



Press the card setup key



"Ding Dong Dang"



-How to open the door using smart keys

Press Start/Lock button or press 0 button



Place the smart keys near to Start/Lock button

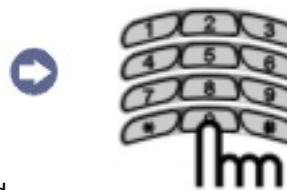


- How to delete and add smart keys when lost

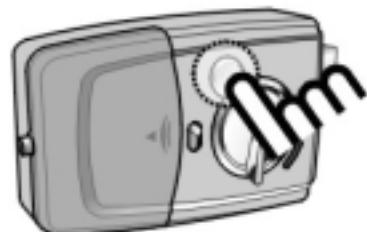
Press "Card Setup Key"



Press "0" key twice

Press  button

Now, all the smart keys are deleted.

***** Enroll the new smart keys by following Step 1 or 2.****-How to set the buzzer on/off**Press Open/Close button
for 5 secondsPress  key twicePress  key

●Beep Beep Beep - Buzzer on

●Beep - Buzzer off

6. Cautions

- If water gets in the device, wipe out the water with a dry towel. It may cause a malfunction.
- If the blue LED flashes when you press the lock key or “*” key, that means the batteries are running low. Please change batteries to new ones quickly. (Battery life – approx. 1 year / alkaline batteries)
- We strongly recommend that you press imaginary numbers before the real PIN when a stranger is nearby.
- Do not use rechargeable batteries.
- Even if PIN is changed, the registered cards are to remain the same.

Burglar Alarm System

- The noisy alarm will sound if someone tries to open the door with force.
- Once the alarm goes off, only the registered card or inputting valid PIN will cancel the alarm.
- This Burglar Alarm System is installed in the factory as a default. If you wish it to be set off, please follow the procedures below,

Press the PIN setup
button

▶ Press **2** key twice

▶ Press ***** button (Beep)





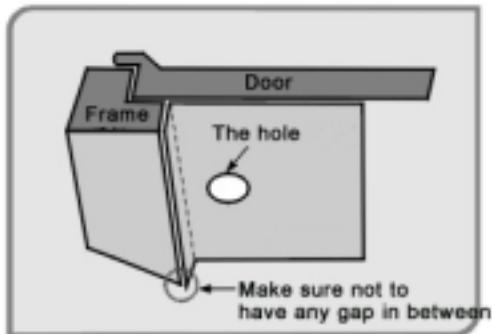
-To set the Burglar Alarm System on again, follow the 1), 2) procedures and the Burglar Alarm System will be installed with the sound of "Beep-Beep-Beep".

Press the PIN setup
button

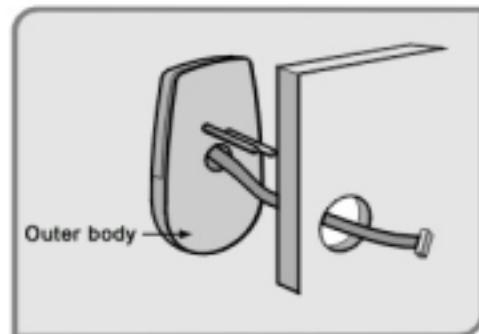


7. How to install

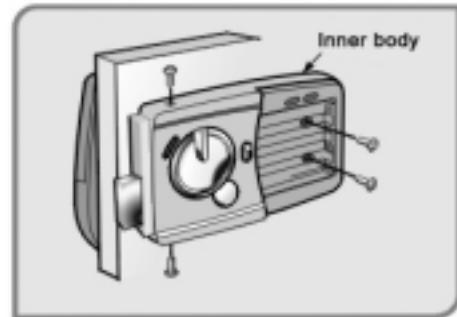
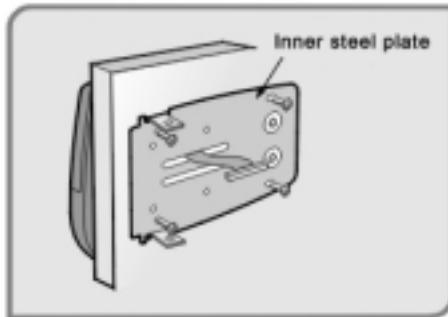
- 1 Make a installation paper and place it as shown below and mark (6 points)
* Please make sure to close the door before marking for the accuracy



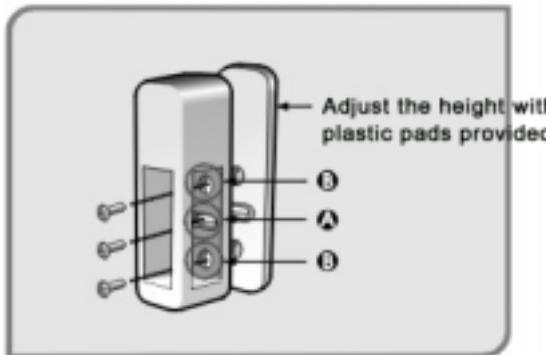
- 2 If there is an existing secondary keyhole, use it, or drill a hole by 32~35mm in diameter if not
- 3 Put the wire through the hole



- ④ Take the wire out through the hole of inner steel plate and fix the inner steel plate with four screws
- ⑤ Fix the outer body on the inner steel plate
- ⑥ Connect the wire to the inner body with the care not to chop the wire and fix it on the steel plate with four screws



⑦ Fix the latch housing on the inner doorframe.
(First fix the "A" part and then fix the "B" parts
after fitting the latch to the latch housing)



● After Installation ●

- ① Place the batteries and input the PIN to open the door
- ② Check if there is any problem with the open/close button and manual override handle on inner body
- ③ Check if the latch is smoothly inserted to the latch housing after closing the door
- ④ Factory default PIN is 1234