

SDC

User Guide



Index

Features	3
Specification	3
Promption	4
Connection	5
Installation	8
Operating Instruction (YA-82/83DK-T).....	10
Troubleshooting	13
After-sale Service	13
Warranty	13

Features:

- ◆ The reader looks so neat and esthetical, which is made of high-strength engineering plastic materials.
- ◆ Installation follows the European/Asian back-plate size norms and uses a pluggable terminal to make the installation more convenient.
- ◆ Build-in doorbell for all series, humanity design with clear logo.
- ◆ Keypad comfortable and wearable, use of laser technology, translucent clearly, special breathing backlights design.
- ◆ Dot-matrix OLED screen with two colors, active luminous, wide-angle, high-contrast.
- ◆ Build-in 3DI, used to be a door open signal input, magnetic signal input, etc.
- ◆ Event log preserved for up to 10 years.
- ◆ 100 sets of time zone regulation, divide everyday into 5 periods, each using a different process to open the door: card flashing, card flashing + password, invalidation, normal opening or special regulation to other holiday.
- ◆ Using manager card to register card or UID + password on controller without networking.
- ◆ Public password optional, unlimited to time zone regulation.
- ◆ Build-in anti-duress function, enter the password reverse, the door will be opened with an alarm output signal to other security system.
- ◆ Access record used to check on work attendance.
- ◆ Beeper alarms if the door opened overtime.
- ◆ Anti-pass-back and can control the number of people in the same door.
- ◆ High-security, waterproof, anti-tamper with an alarm signal output.
 - * Connections are different depending on different models.
 - ** Not all the models have this function.

Specification:

Specifications	
Model	YA-83DKT
Power supply	DC 9-15V
Power consumption	< 1 W
Card type	13.56 MHz
Read range	5-8cm
Capacity of records	10000
Number of users	10000
Communication port	RS485
Transmit Rate	9600 bps (N, 8, 1)
LED Tips	Card flashing/keypad/doorbell
Data storage	4M bits FLASH Memory

Certification	Card flashing/ card flashing+passwprd / UID+password / public password
Clock	Yes
Reading tips	Beeper/OLED/LED
Dimension	95L×95W×21H(mm)
Weight (g)	130±10
Material	PC+ABS Screen: PMMA
Environment	-30 to+65

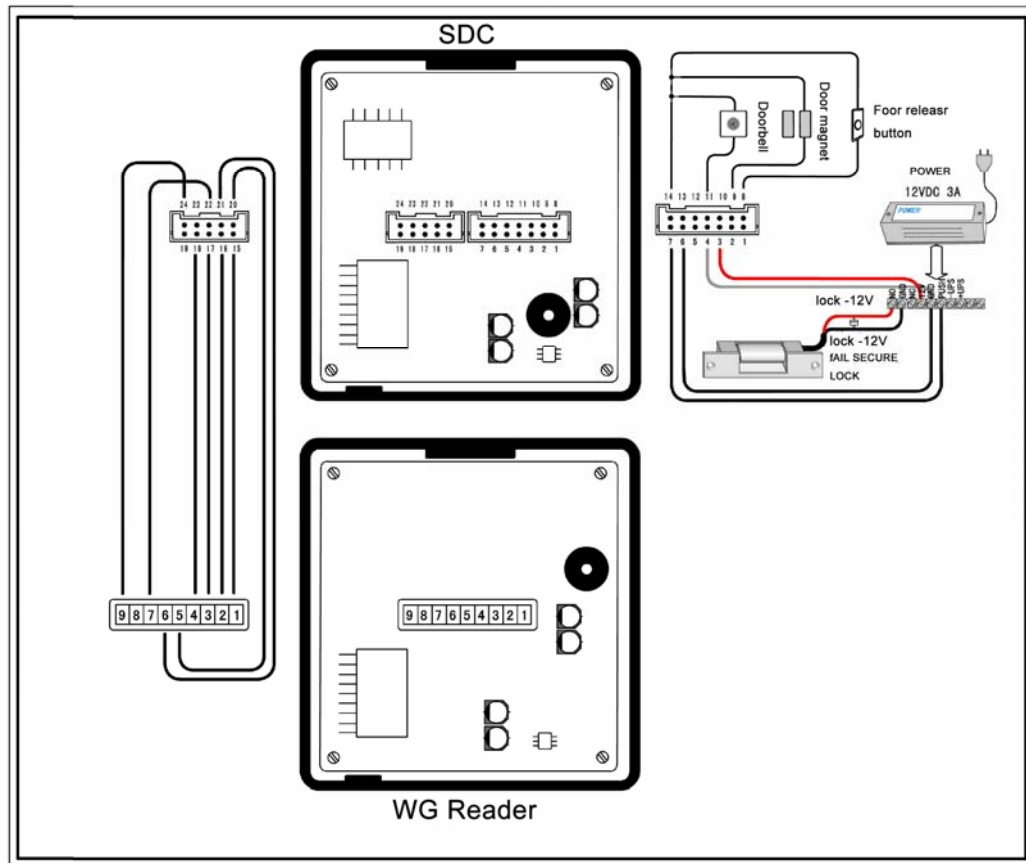
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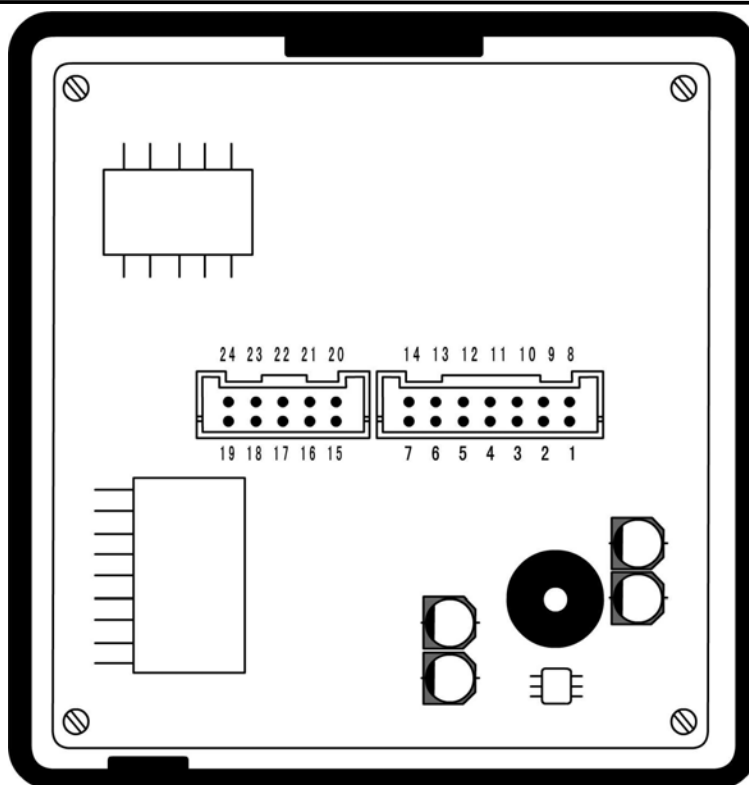
Promption:

1. The standalone within keypad is built-in breathing backlights as it is free.
 2. Doorbell LED on the standalone without keypad flash in blue every 3 seconds.
 3. Doorbell LED lights 3 second in green to show door open, in red to show fail to open the door, after card flashing or password input.
 4. OELD turn on high-light as any key or card entry, and will automatically get right within 60 seconds.
 5. OLED will display “Welcome” after door open.
 6. Beeper alarms continuously if the door still open 3 seconds after door relay closed, until the door be closed.
- Needs magnetic signal support in additional.

Connection:

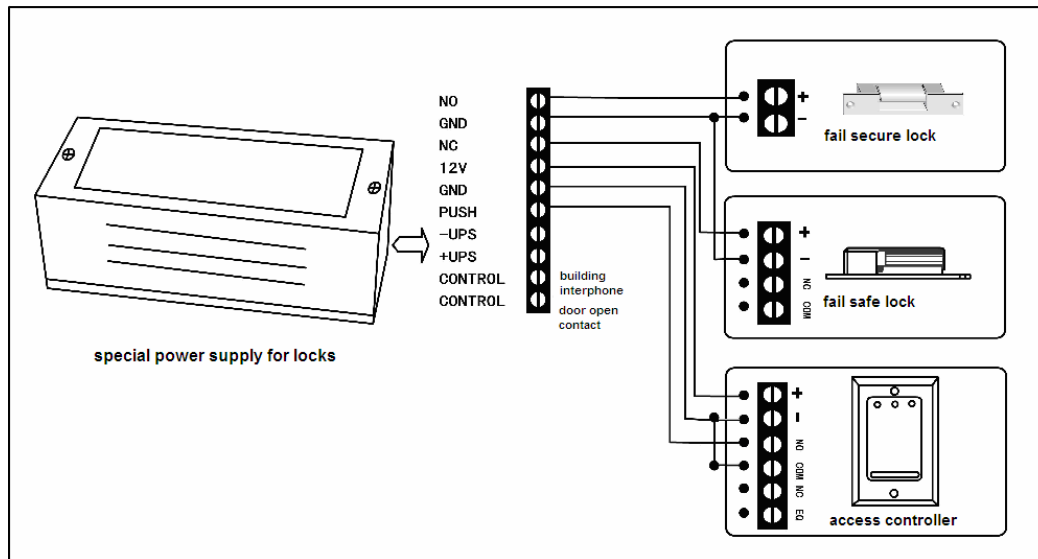
Standalone connect to anode lock as follow:





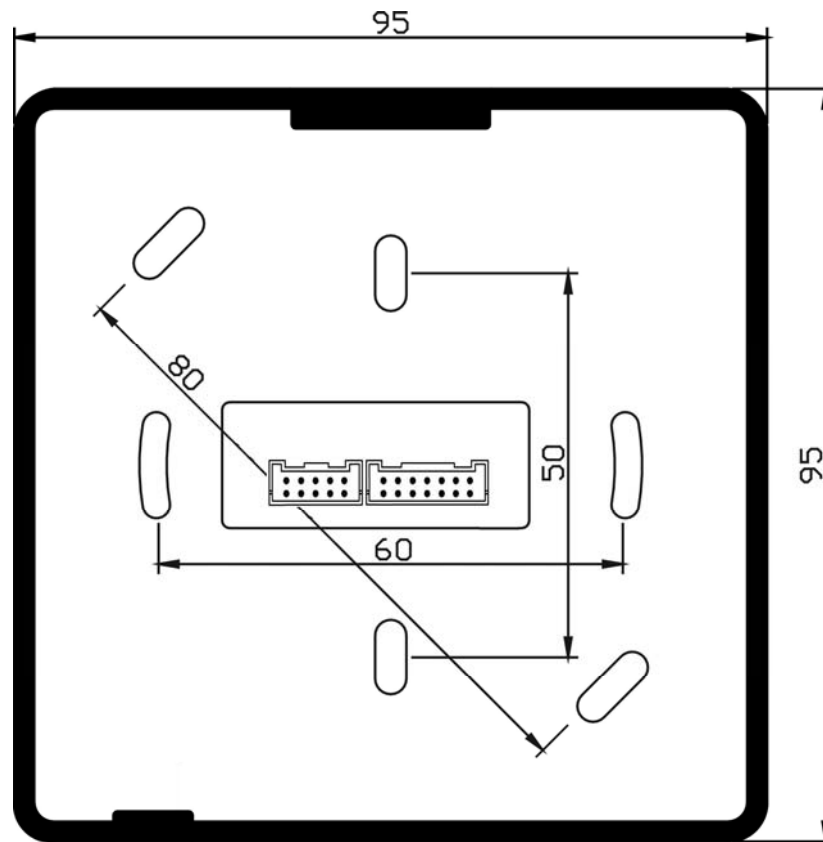
Connection		
NO	Function	Description
1	RS485+	Data +
2	RS485-	Data -
3	12V	DC Power 12V
4	GND	GND
5	GND	GND
6	OUT-COM.	Door relay COM interface
7	OUT-NO.	Door relay NO interface
8	*IN 1	Input 1, door release button input
9	*IN 2	Input 2, door magnet signal input
10	*IN 3	Input 3, user-defined
11	OC OUT	Build-in doorbell signal output
12	*OUT 2	OC signal, duress output
13	*OUT 3	OC signal, anti-tamper output
14	GND	GND
15	OUT 12V+	Power output, can be connected to WG reader power +
16	GND	Power output, can be connected to WG reader power GND
17	Data 0	WG Data 0 input, connect reader Data 0
18	Data 1	WG Data 1 input, connect reader Data 1
19	GND	GND

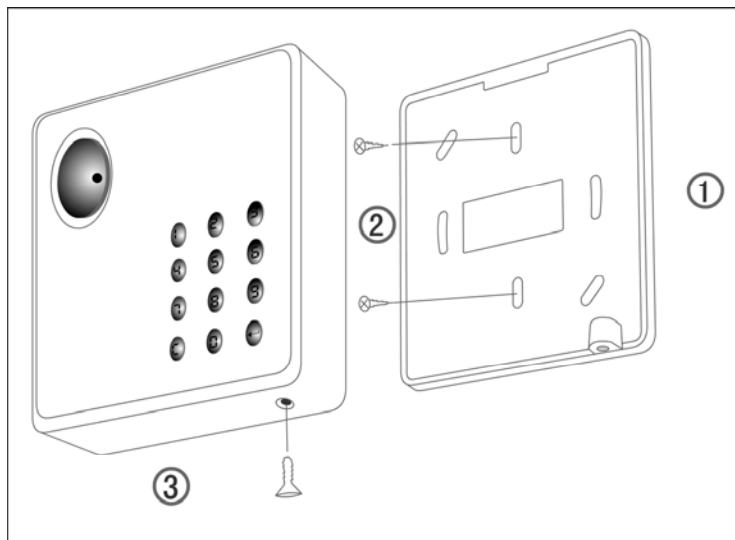
the tied power for the electronic locks.



Installation

Back-plate dimension

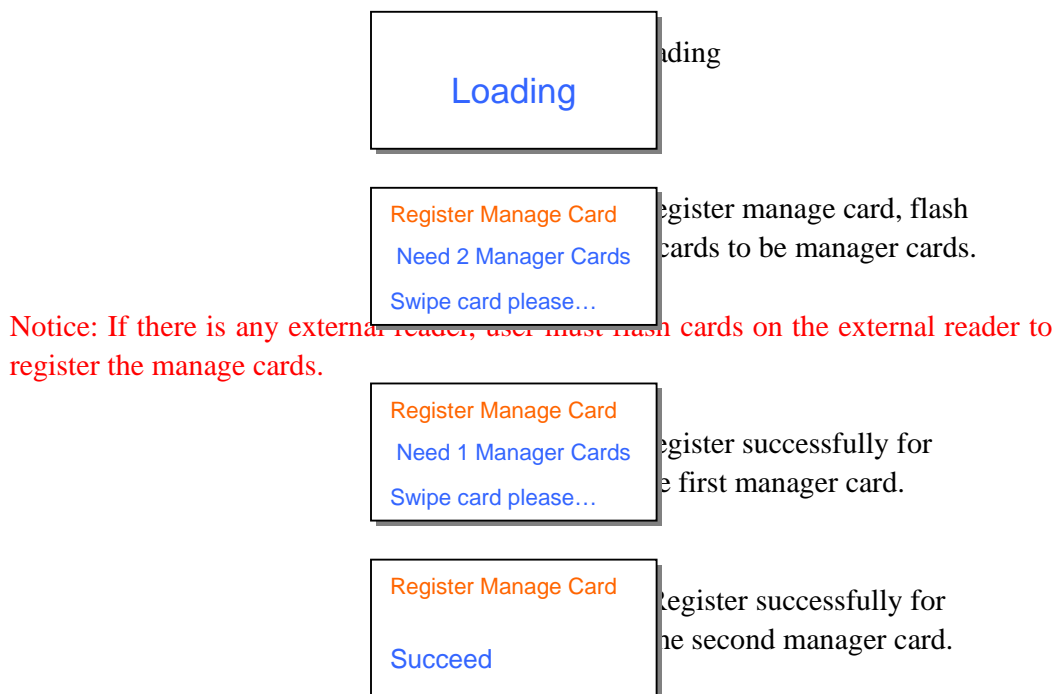




Route all cable through the hole in the middle of the back-plate.
Mounting back-plate on the wall.
Install the standalone to back-plate and fix a screw in the bottom.
Power-on, standalone turn into normal state after one beep shown.

Operating Instruction YA-82/83DK-T

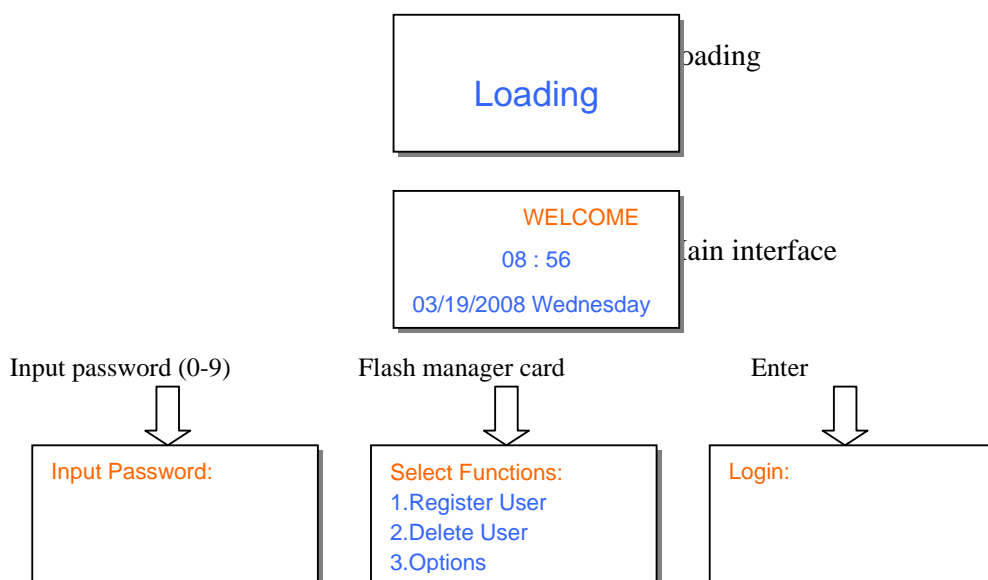
For the first time to use the standalone and after format the system, user must register 2 manager cards, both of them are the same authority, suggest that take one for a backup.



Notice: If there is any external reader, user must flash cards on the external reader to register the manage cards.

-----Above is the steps for the first using to register manager card.-----

Each subsequence boot load interface is as follow:




Instruction: Build-in 3 input modes in main interface.

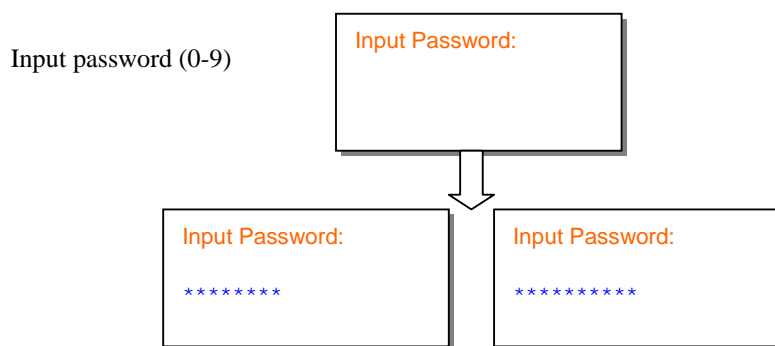
Enter password, enter 8bit public password or enter user no. + personal password to



open the door.

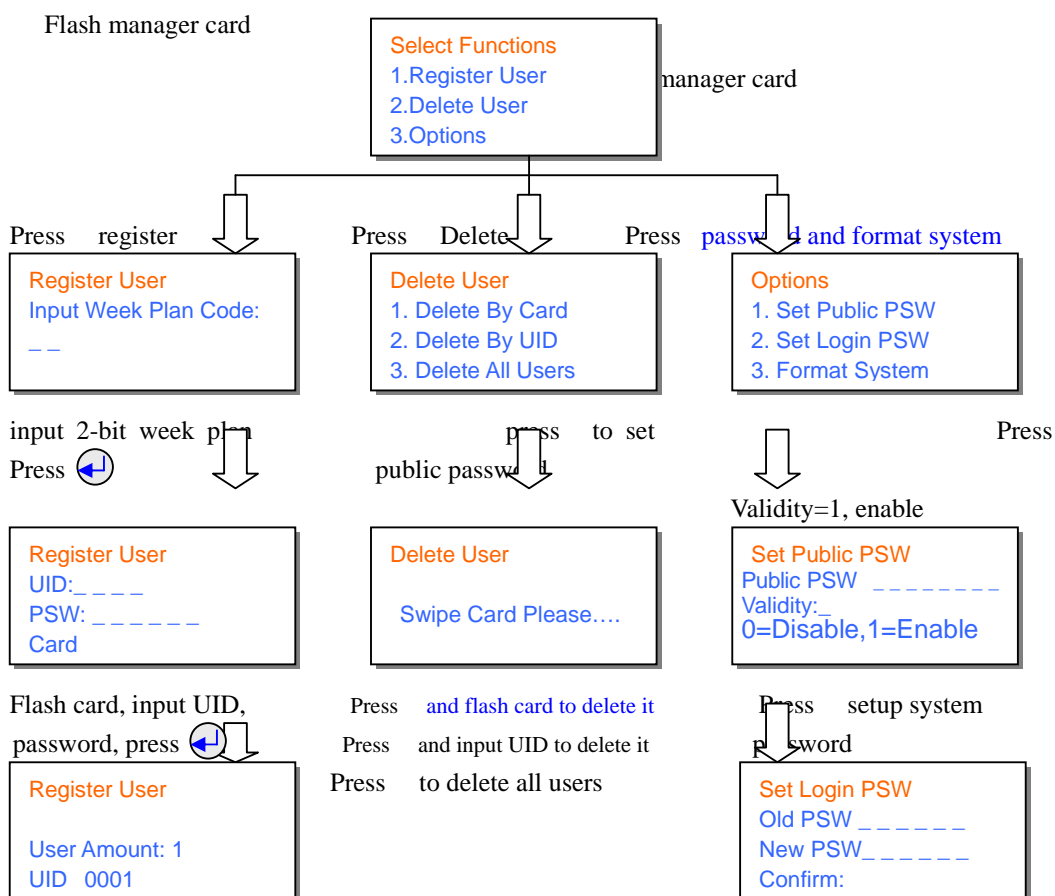
Flash manager card to register/delete user, set public password, set system loading password and format system.


Press  to modify password of each user, set-up time, set time zone regulation, week plan and query the information of each user.

The instruction of 3 different input modes:



Input 8-bit public password, press  to open the door, or input 4-bit staff no. + 6-bit personal password +  to open the door.



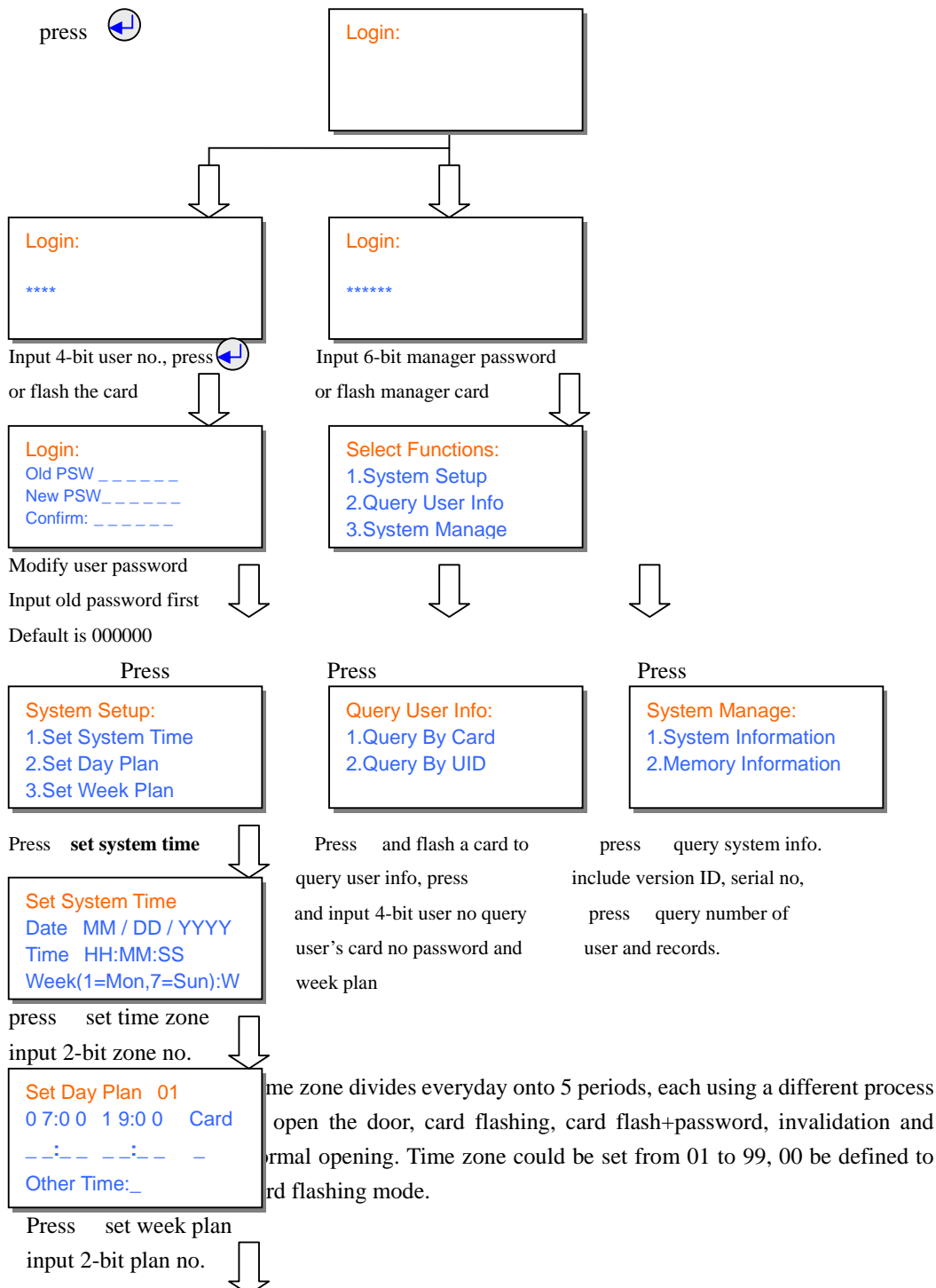
press  to continue

week plan is set in system menu to

limit user card in different time zone

press  format system

Notice: Format command will delete all the user card include manager and all of records.



Set Week Plan 01

Sun: __ Mon: __ Tue: __

Wed: __ Thu: __ Fri: __

Sat: __

Week plan is used to set daily implementation of time zone every week, input defined time zone no. and press enter to confirm. Week plan could be set from 01 to 99, 00 be defined to set time zone to 00 everyday, card flashing to open the door.

Troubleshooting

1. If the standalone doesn't work properly after power-on, please disconnect the power immediately and check the wiring and whether the power supply complied with 9-15V.
2. After the first step, check the wiring and whether the power of standalone complied with 9-15V.
3. If the reading range performs not well, please check if the wall behind is a large area of metal, if it is, please remove the metal or block up the unit.

After-sale Service

Please check if the product and its accessories are complete when you receive it, any problems, please contact your supplier.

Warranty

We warrant this product against any defects in normal use for a period of one year from the date of invoice. Don't try to repair the product by yourself, or you will miss the warranty.