



Access Control Keypad with Waterproof

Model:YK-668

INTRODUCTION

YK-668 is the newest keypad for single door, there are 4 operation mode. Keyboard of YK-668 is made by mobile technology, with blue backlit and color never fade. Program of YK-668 is produced by the newest MCU.

FEATURE

- 2000 pcs IC Card Capacity
- Read Card and Register Card Continuously, Submit Card No. and Card Code Automatically
- Read Card to Open and Close
- Door Opening Signal Output by Relay Directly(NO/NC optional)
- Operation Mode: Card, Code, Card or Code, Card +Code

SPECIFICATION

- Size: 86x86x20(mm)
- Operating Voltage: 12V \pm 10%
- Operating Current: <0.1A
- Capacity of Recording: 2000 ID Cards and 1 Group Code
- Operating Temperature: -10 $^{\circ}$ C50 $^{\circ}$ C
- Operating Humidity: 20%80%
- Card Reading Distance: 5-15cm
- Weight: 0.15kg

SOUND & LED INDICATION

EXPLANATION	RED LED	GREEN LED	BUZZER
Work State	ON		
Program Mode		Twinkle	
Under Program Mode		ON	
Read Unregistered Card	ON		DI(Long)
Read Registered Card		ON	DI DI(Short)
Card or Code(Operation Mode)	Red LED and Green LED twinkle alternately		
Card +Code(Operation Mode)	Twinkle 1 time per 0.5 secretary		
Code(Operation Mode)	Twinkle 1 time per 1 secretary		
Press Keyboard			DI(Short)
Setting Success			DI DI(Short)
Setting Failure			DI(Long)
Invalid Enter			DI(Long)
Alarm			DI DI DI...(repeatedly)

■ P>>> 1



OPERATION

1. Enter Program Mode

Press # # # # (Red LED: Off, Green LED: On) → 123456 → # (If Success, Red LED: Off, Green LED: Twinkle)

Remark: 123456 is the original Program Code

2. Modify Program Code

Press 0 → New Program Code → # → New Program Code → #

Remark: New Program Code must be 6 digits

3. Register Cards Continuously, Submit Card No. Automatically

Press 1 → Read Card (Read Unregistered Card Continuously) → #

Remark:

A: The system will keep record each card, then distribute Card NO. & Code (888888) automatically, This Code (888888) is used in Card + Code Operation Mode condition, can't be use to open door separately. " how to modify and use, will be explain in the following".

B: If there is no card record in system, means the first card NO. that user read is 0001, the second Number That user read is 0002, etc. But the max card NO. is not more than 2000.

C: If there are no card records, card NO. will be superimposed when read unregistered card. Such as, the system keeps the record is 0260, and now, user read new unregistered card, then this Card NO. is 0261.

D: If the Card (registered card) is exist, when user read it again, the buzzer will sound.

4.(1) Register 1 Card, Setting Card No. Manually

(2) Register Cards Continuously, Setting Card No. Manually

Register 1 Card, Setting Card No. Manually: Press 2 → Read Card (Read 1 Unregistered Card) + Card NO. (Setting by user) + # → #

Register Cards Continuously, Setting Card No. Manually: Press 2 → Read Card (Read Unregistered Card) + Card NO. (Setting by user) + #, Read Card (Read Unregistered Card) + Card NO. (Setting by user) + #, → #

Remark:

A: If the Card (registered card) is exist, when user read it again, the buzzer will sound.

B: If the Code NO. is exist, when user enter it again, the buzzer will sound.

5. Delete Card and Card Number

Delete Card: Press 30 → Read Card → # (User can delete Card Continuously)

Delete Card NO.: Press 31 → Enter Card NO. + # → # (User can delete Card NO. Continuously)

Delete Card NO.: Press 32 → 9999 → # (User can delete all Cards and Card NO.)

6. Setting Operation Mode

1) Press 40 → # (Card or Code Operation Mode, this is Default Setting when produce)

2) Press 41 → # (Card + Code Operation Mode)

3) Press 42 → # (Code Operation Mode)

7. Setting Time

Press 5 → (time) → #

For example:

Press 5 → 03 → #, means the time setting is 3 sec

Press 5 → 22 → #, means the time setting is 22 sec

Remark: Under can set 01-99 sec, the opening method of relay is touch (Read Card to Open, Read Card to Close).

8. Setting Code (Default is blank when produce)

1) Press 6 → New Code + # → New Code + # (Code is 4--6 digits)

2) Press 6 → # → # (User can't use code to open the door)

■ P>>> 2



OPERATION

9.ESC

Press *

10. Modify the Code of Card (Setting under the Card + Code Operation Mode)

Press * (Green LED: ON) → Read the card (This card is registered card) → Enter the Old Code (Red LED and Green LED: twinkle alternately) → Enter the New Code → # → Enter the New Code again → # (Green LED: OFF; Buzzer: DI DI)

Remark: If failure, the Buzzer will sound DI (long)

Returning to Factory Default (Only return the Program Code and System Parameter, Card can't Deleted)

Cut off power (electricity) → put the jumper JP1 in 2-3 position → connect the power (DI DI <short>) → Put the Jumper JP1 in 1-2 position

MALFUNCTION JUDGMENT

1. Read Card but can't open the door
 - A: Read Card with sound, but Green LED is OFF, please check the card is registered or not/
 - B: Read Card with sound, but Red LED and Green LED twinkle alternately, please check the Operation Mode
 - C: Read Card with sound and the Green LED is ON, please check the wire connection is ok or not.
2. Read Card but no reaction
 - A: Check the card is ID or not, or the card is broken
 - B: Check the Operation Mode, Code Mode maybe shield the Card Function
 - C: Check the LED indication, Red LED is OFF, Green LED is ON, means the door is opening state
3. Press Keyboard but no reaction
Check the LED indication, Red LED is OFF, Green LED is ON, means the door is opening state
4. Buzzer is sound all the time
Check the anti-vandal switch is closed or not

WIRE INTRODUCTION

7 Wires (Main Port)

RED	+12V
BLACK	GND
YELLOW	NC
WHITE	COM
BLUE	NO
GREEN	OPEN
GREEN	GND

5 Wires (Card Reader Port)

RED	+12V
BLACK	GND
GREEN	D 0
WHITE	D 1
BLUE	LED BUZZER