

Touch Button Access Controller

User Manual V1.0

1, Parameter Function

1.1 Function Introduction

With capacitive touch button and non-contact proximity card to achieve access control, this model is a modern advanced access controller. It selected the latest central processing unit (CPU) and a non-volatile memory chip, All the data will not be lost if power off, Operate simply and with stable working performance. Its main functions are as following:

- 1、capacitive touch button;
- 2、With one managing card to add or delete cards;
- 3、Three ways to open the door: card/password/card+password;
- 4、with WG26 port、Switch port and door bell port
- 5、Two sets independent signal output: a set of Relay signal and A set of PUSH signal.
- 6、Data can be copied to each other between X-series access controllers (customize)

This product provides a secure automatically access control. It is the ideal device for commercial office institutions, factories, residential quarters, banks and other places.

Note: Please read the instruction carefully before operate and install!

1.2 Performance Parameters

Item Name	Parameters	Item Name	Parameters
Working Voltage	DC12V±10%	Card capacity	800
Working Current	< 100mA	Card reading distance	2—10CM
Temperature	-10℃—60℃	Weight	150g
Size	☐ 93×93×16m ☐ 125×70×16m ☐ 103×71×18m	RF card type	☐ MF Card ☐ EM Card

1.3 Installation

Unload the fixed panel and the bottom of the screw; take off the baseboard, use equipped glue plug and screw to install the baseboard on the intended wall of the passage, pay attention to the direction of up and down.

Warning:

Please switch off power supply before install it! Confirm the connection correct then turn on the power! Make sure power supply voltage is DC12V and its pole.

2, Wire connecting explain&Wiring diagram

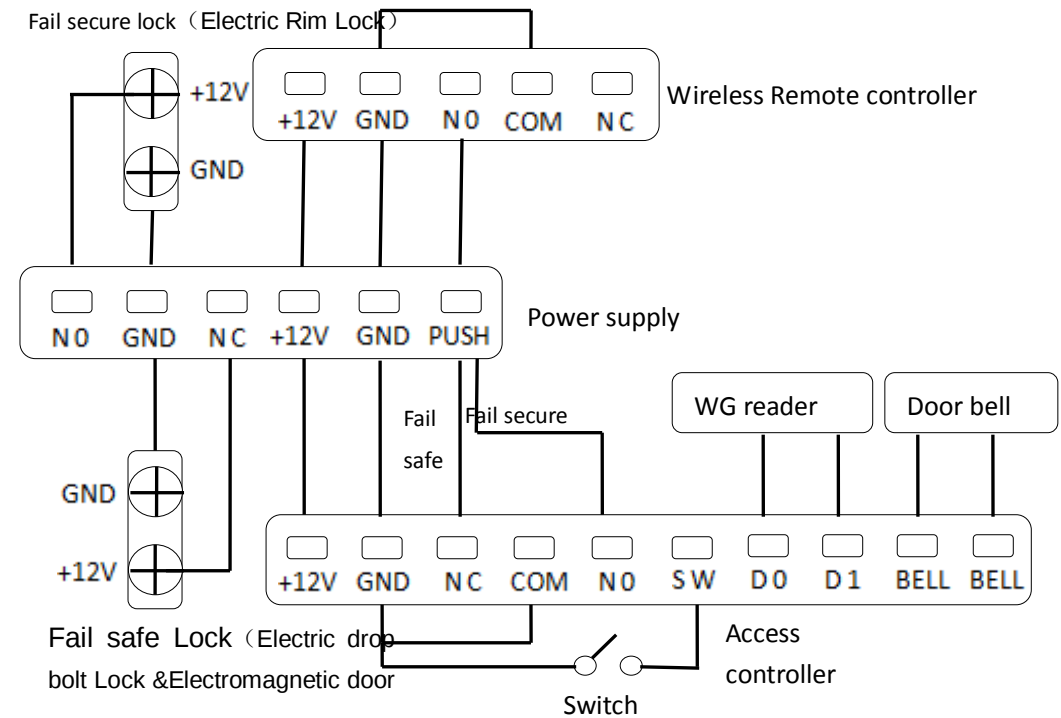
CON1 interface specification:

No.	Name	Color	Function
1	12V	Red	DC 12V input
2	GND	Black	Ground
3	NC	blue	Relay NC
4	COM	purple	Relay COM
5	NO	white	Relay NO
6	SW	white	Switch
7	D0	Green	WG DATA0 port
8	D1	Green	WG DATA1port
9	BELL	Yellow	Door bell port
10	BELL	Yellow	Door bell port

CON2 interface specification:

No.	Name	color	Function
1	SCL	green	Backup data port
2	SDA	white	Backup data port
3	GND	red	Backup data port
4	VCC	black	Backup data port

Wiring diagram:



Tips: When the controller output “PUSH ” signal, Please connect COM to GND

3, Managing card setting and using.

1. **Setting managing card:** power off, Keep pressing “RESET” and power on to see the red light and blue light flash alternately, then read the card to be managing card.
2. **How to add card by managing card:** Read “managing card” and read cards you want to add one by one, then read “managing card” **twice** and finished.
3. **How to delete card by managing card:** read “managing card” **twice** and read cards you want to delete one by one, then read the managing card one time and finished.

4, Programming setting instruction

The initial programming password is 1688 and the initial user password is 8888.

1. 4.1. **Enter into programming state:**
Keep Pressing “#” until blue light flashing=> input **management password** =>press “#”, and the red light flashing
- 4.2. **Function setting (should operate under programming state)**
 - (1) **Modify management password**
Press “0” => input new **management password** =>press “#” => input again new **management password** =>press “#” =>keep pressing “#”
Note: the password should be two to eight digits with random Number.
 - (2) **Add user card**
 - ①. Press “1” =>read the card you want to add one by one=> # =>Keep pressing # a while
 - ②.Press “1” =>input 8 digit number of the card you want to add one by one=> # =>Keep pressing # a while
 - ③.Read managing card => read the card you want to add one by one=> read “managing card” **twice**
 - (3) **Delete user card**
 - ①.Delete all the user card: press “2” =>0000=>#=>Keep pressing “#” a while
 - ②.Delete the card you read: Press “2” =>read the card you want to delete one by one=> “#” => Keep pressing “#” a while
 - ③.Delete the card lost: Press “2” => input 8 digit serial number of the card one by one=> # =>Keep pressing # a while
 - ④. Read “managing card” **twice**=> read the card you want to delete one by one=> read managing card again.

(4) Setting of opening door mode

- ①.Read valid card: Press “3” =>” 00” =>#=> Keep pressing # a while
- ②.Valid card + password: Press “3” =>” 01” =>#=> Keep pressing # a while

③. Valid card or password: Press “3” =>” 02” =>#=> Keep pressing # a while

④.Auto-adding card mode: Press “3” =>” 03” =>#=> Keep pressing # a while

Note: Factory default is the third mode

(5)Setting opening time of the door

Press 4 => X X => press #=> Keep pressing # a while

Note: XX is “00-99” second. Factory default is 3 seconds.

(6) Modify common password to open the door:

Press “5” => input new **management password** =>press “#” => input again new **management password** =>press “#” =>keep pressing “#”

Note: the password should be two to eight digits with random Number.

(7) Function Mode Switch setting:

The access controller can be switched into card reader mode by the Administration menu. It output WG26 signal and keyboard password function can be used. Operate as follows: Press 9 => 1 => 02 => press #, then reboot the device automatically and switches to the card reader mode. Then if you need to switch it back to access controller mode, just initialize it (see Step Seven).

5, Users using ways:

1. **Card to open the door:** read one valid card can open the door
2. **Card + password to open the door:** Input 4 figures password within 10 seconds after you read the card.
3. **Password to open the door:** input common open password (8888) and press#

6, Data copy instruction:

(1) . **Data backup operation** (Connect MC1 copy module to CON2 port of the controller)

①.Copy the data from access controller to the module.

Enter into programming mode =>9 =>5 =>01 =>#

②.Copy the data from module to another access controller

Enter into programming mode =>9 =>5 =>02 =>#

The lights flash alternately when copying; buzzer sounding after the copy is complete.

7, Access controller initialization steps:

1. Switch off the electricity, keep pressing “Reset” button.
2. Switch on the electricity, keep pressing “Reset” button for 3 seconds. The initialization is complete (the buzzer sounds one sound) and it comes into using mode.

TIPS: 1. this access controller can manage its card by programming method or managing card

2. This access controller can switch to be WG26 card reader.