

One-door Access Controller

User Manual V1.1

1.Specifications:

1.1 Technical parameters:

Operating voltage	DC 12V±10%	Storage	500/1000users
Operating current	< 100mA	Card type	ID Card
Operating temperature	-20℃—60℃	Reading distance	1—10CM

1.2 Factory Default:

Item	Value	Item	Value
Authentication Mode	Card or Password(PIN)	Common PIN	None
Unlocking Duration	5 S	Programming Password	123456

1.3 Light and Sound indicates:

Light: red and green

Light Description	Indicates
Red light flash every 2 sec(Slow flash)	Standby state
Green light flash every 0.5sec(Fast flash)	Pending further operation
Red light is always ON	Programming state
Green light is always ON	Unlocking state
Red and green light flash alternately	Restoring Factory Programming Password

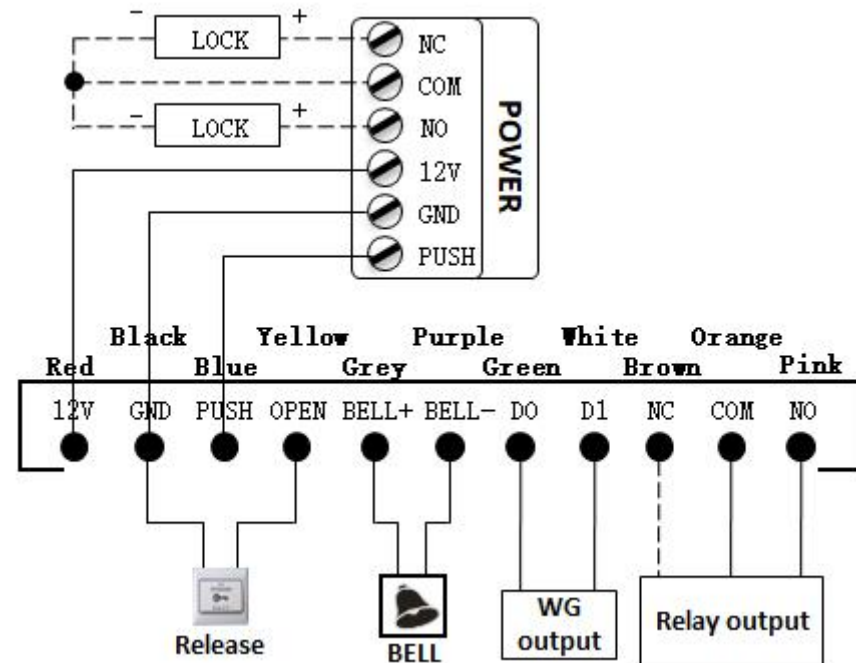
Sound: beep

Sound Description	Indicates
1 short beep	Valid input
3 short beeps	Invalid input
1 long beep	Programming state
3 long beeps	Restoring Factory Programming Password

2. Installations Guide:

NO	Mark	Color	Function
1	+12V	Red	Power+
2	GND	Black	Power-
3	PUSH	Blue	Low level output
4	OPEN	Yellow	Door Release
5	BELL	Grey	High level Input
6	BELL	Purple	Voltage output
7	DO	Green	WG DATA0
8	D1	White	WG DATA1
9	NC	Brown	Relay NC output
10	COM	Orange	Relay Com output
11	NO	Pink	Relay NO output

2.1 Wiring diagram



3.Programming Guide

3.1 Programming Guide: (Programming Password Default: 123456) Remark: All password can be 3~6 digits

Programming Item		Press key and swipe card operations	Remark
Basic Function	Add user card	# Pro.PW # 1 swipe cards #	If add series cards, swipe cards continuously
	Configure Common PIN	# Pro.PW # 21 new Common PIN #	Common PIN is only one, Unlocking method : Enter Common PIN then press [#]
	Delete all users	# Pro.PW # 40 0000 #	Delete all cards and PIN except Common PIN
	Delete user by swiping card	# Pro.PW # 41 swipe cards #	If delete series cards, swipe cards continuously
	Change Programming Password (Pro.PW)	# Pro.PW # 0 new Pro.PW # new Pro.PW #	If Pro.PW lost, perform 3.2 to reset to Factory Default (123456)
Expand Function	Add user by input User ID	# Pro.PW # 22 4-digit User ID swipe card #	Add user card or personal door opening password according to the number specified by the user. The user number must be 4 digits and unique. Personal Password User + User ID A user can add a maximum of 50 groups
	Add PIN	# Pro.PW # 23 4-digit User ID new PIN #	
	Delete user by User ID	# Pro.PW # 42 4-digit User ID #	The user number is 4 digits, as described in Section 3.3
	Delete user by card No.	# Pro.PW # 43 card No. #	Card No. is 10-digit or 8- digit, device auto-identify
	Configure Unlocking Duration	# Pro.PW # 5 XX #	XX is 2-digit (00~99). If XX is 00, Unlocking Duration is 0.2s
	Configure Authentication Mode	# Pro.PW # 6 XX #	XX can be 01(only Card)/02(Card or PIN)/03(Card & PIN)
	Card Reader mode (optional)	# Pro.PW # 6 04 #	Long press #, press 834 after the green light flashes quickly, to switch to WG34 format (default is WG26)
	Reset Factory Default	# Pro.PW # 8 99 #	Except Programming Password and Manager Card

3.2 Initialize the programming password (123456) and add the management card

Step 1: Power off, short-connect the OPEN line and GND line, power on again, and the traffic light flashes alternately after three long sounds

Step 2: Swipe two blank cards in a row, the first one is "add card", the second one is "delete card" (if no management card is required, this step can be omitted)

Step 3: Power off, disconnect the connection between OPEN and GND, and then power on again, the programming password initialization is complete.

3.3 Use ID explanation

User ID is 4-digit number from 0001 to 9999. There is no User ID for the users added by command [1]. Perform command [40] to clear all User ID.

4. Other extensions

4.1 How to change PIN

Swipe card or press PIN to unlock within 5s press [#] for 3s until the green light flash fast, then press [new PIN#new PIN#], the new PIN changed successfully with a long beep.

4.2 Authentication Mode for Card& PIN function

Setp1, When Authentication Mode is [Card or PIN] (factory default), according to the step 3.4 to configure the PIN of the card.

Setp2, Press [#Programming Password#603#] to configure Authentication Mode to be [Card & PIN].

Setp3, Swipe user's card with green light fast flash then input [PIN#] with green light normally ON, the door opened successfully.

4.3 Door open function description

When the credit card or password is normally opened, press the 7, 9 digit key to keep the door open. When the door is always open, only once the credit card, password, or the door button is opened again, the exit is always open.

