Access Controller Use Manual V2.0

1.Specifications:

1.1Technical parameters:

Item	Value	Item	Value
Operating voltage	DC 12V±10%	**Storage**	1000
Operating current	< 100mA	**Card type**	EM(standard) /Mifare(optional)
Operating temperature	0℃—60℃	**Reading distance**	1－5CM
Weight	350g	**Dimensions**	130*58*24mm

1.2Factory Default:

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

1.3Light and Sound indicates:

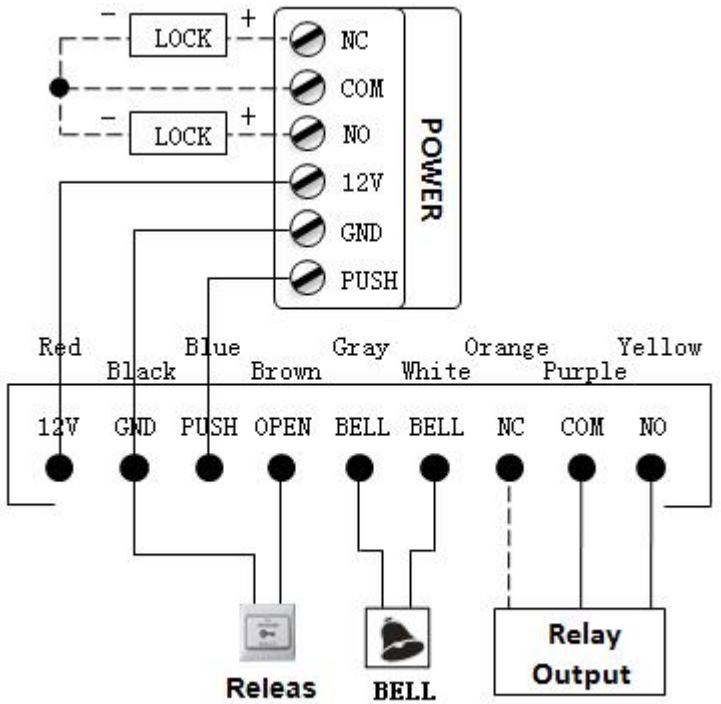
Light: red and green

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:



Remark:

If let Relay drive electric-lock, please connect a backward diode with the lock's "+" and "-" poles.

3. Programming Guide

3.1 **Detailed Programming Guide:** Programming Password Default: 123456, all password can be 3~6 digits

	Purpose	Operations	Instructions
Basic Function	Change Programming Password (Pro.PW)	# Pro.PW # 0 new Pro.PW # new Pro.PW #	If Pro.PW lost, perform 3.2to reset to Factory Default (123456)
	Add user card	# Pro.PW # 1 swipe cards #	If add series cards, swipe cards continuously
	Set Common Access Password	# Pro.PW # 21 new Common PIN #	Common Access Password is only one. Open method: Common Access Password #
	Delete all users	# Pro.PW # 40 0000 #	Delete all cards and PIN except Common Access Password
	Delete user by swiping card	# Pro.PW # 41 swipe cards #	If delete multi cards, read cards continuously
Expand Function	Add Private Access Password(PIN)	# Pro.PW # 22 PIN #	PIN can be more. Open method: PIN #
	Add card by input card No	# Pro.PW # 23 input card No #	Card No. is 10-digit or 8-digit, machine auto-identify
	Add multi-card by input card No. zone	# Pro.PW # 24 input start card No. card Qty #	Card Qty is 4-digit (If one-time add twenty cards, input 0020)
	Add "card +PIN"	# Pro.PW # 3 Read card PIN #	If modify PIN, see 3.5
	Delete user by input User ID No.	# Pro.PW # 42 input User ID No #	About User ID No. see 3.4
	Delete user by input card No.	# Pro.PW # 43 input card No #	Card No. is 10-digit or 8-digit, machine auto-identify
	Delete user by input PIN	# Pro.PW # 44 input PIN #	PIN is 3~6 digits.
	Delete all PIN users	# Pro.PW # 45 1111 #	Use for PIN users (Do not include Card users and Card +PIN users)
	Change Open time	# Pro.PW # 5 XX #	XX can be 2-digit, and the max. is 99. If input 00, the signal output time is 0.2 Secs.
	Set Open mode	# Pro.PW # 6 XX #	XX can be **01** (only Card) / **02** (Card or Access Password) / **03** (Card+PIN)
	Reset Factory Default	# Pro.PW # 8 99 #	Except Programming Password and Manager Card

3.2 To reset to Factory Programming Password（123456）

Step1、Turn off power and connect bin 2&3 of RST(S1)。

Step2、Turn on power and buzzer gives 3 long buzz with green light flash fast。
If need to set Manager Card, now read two empty cards first one as Manager Add Card and Second one as Manager Delete Card with red light flashing and continuous short buzz .

Step3、Turn off power, disconnect bin2&3 and connect bin 1&2 of RST。

Step4、Turn on power again.

3.3 How to use Manager Card – MAC&MDC

To add a card user in standby mode: read MAC | read new cards | read MAC

To delete a card user in standby mode: read MDC | read registered cards | read MDC

To delete all users in standby mode: read MDC | read MAC | read MDC

Remark: User cards can be added or deleted continuously.

3.4 User ID No. explain

User ID is auto-generating 4-digit number started at 0001. The number increases with adding user one by one and ignores deleting user.

Common Access Password has no ID.

3.5 How to change PIN (When open mode: card+ PIN)

After reading card and input corresponding PIN to open the door, within 5 seconds, long press # until the green light flash fast， and then input new PIN | # | new PIN | #, new PIN changed successfully with a long buzz.