Single-door access controller (Card/Password)

User Instruction

AD2000-M

RFID ACCESS CONTROL

Special attention:
1.Please follow the instructions strictly while using it.
2.Please read this instruction carefully before you use
the system and follow the instructions strictly while using it.

1、 Performance Parameters

Item Name	Parameters
Working power	DC12V±20% 100MA
Relay performance	2A
Card capacity	800PCS
Valid password	General 1 set
RF card types	EMID card or ID compatible card
Card reading distance	3-15CM
Signal interface	Relay signal
DOB interface	1
Door bell interface	1

2、 Operating List

Function settings	1ª.Step	2ⁿᵈ.Step	3ʳᵈ.Step	4ᵗʰ.Step	5ᵗʰ.Step
Modify programming code	Press "*" and input the managing password, then press "#"	Press "0"	Input password and press "#"	Input password again and press"#"	Press "*" ESC
Add user card		Press "1"	Read new card	press"#"	
Delete user card		Press "2"	1.Read user card 2.Input card number 3.Delete all users pls press "0000"	press"#"	
Modify relay-working time		Press "3"	Input two numbers (01-99) in seconds unit	press"#"	
Modify general code		Press "4"	Input password and press "#"	Input password again and press"#"	
Modify work pattern		Press "5"	1.Only card to open the door pl spree "1" 2. Card and code to open the door pls press "2" 3.Card or code to open the door pls press "3"	press"#"	

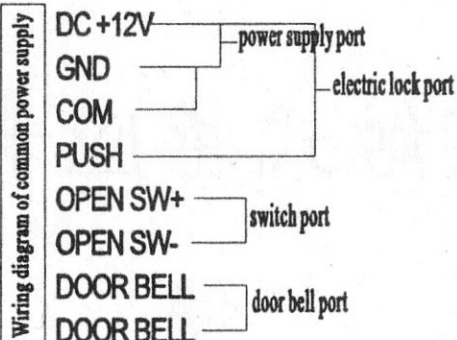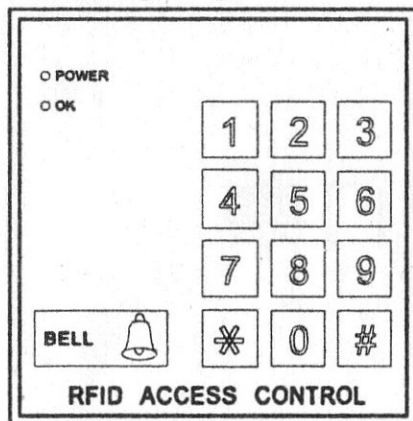Programming default password：1688
General opening the door password：8888
Forcibly recover factory programming password: "RESET" short circuit.
Make managing card：power off and "RESET" short circuit, read the 1st.
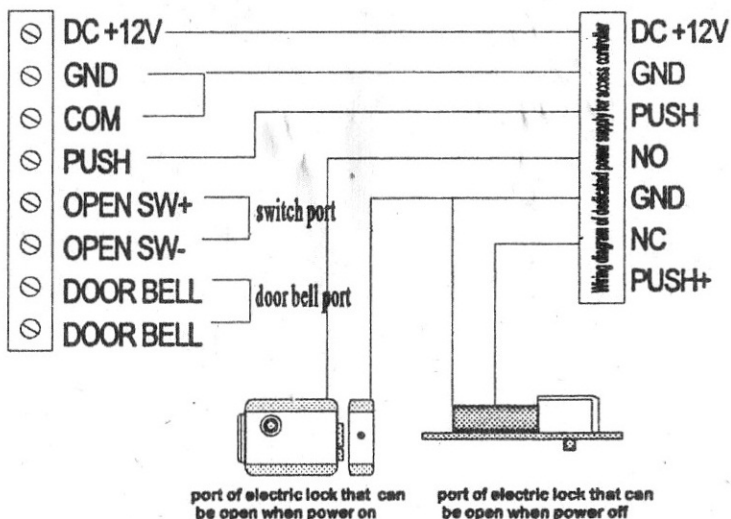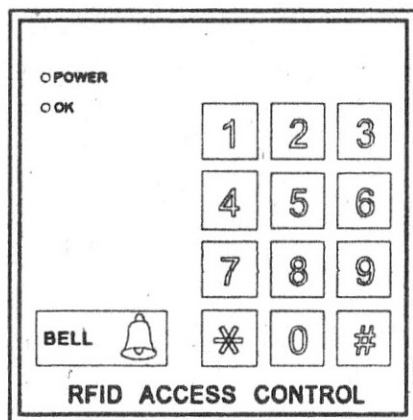card to be "adding card" and the 2nd. One to be "deleting card"
Notes：The password can be 10 numbers at most， the card number inputted is the former10 ABA number.
How to add card by managing card: Read "Adding card" and read cards you want to add, then read "adding card" again and finished.

3、wiring diagram

Wiring diagram of common power supply

DC +12V	power supply port
GND	
COM	electric lock port
PUSH	
OPEN SW+	switch port
OPEN SW-	
DOOR BELL	door bell port
DOOR BELL	

Pls note "CON1" connecting cap when connect to common power supply. " NO" means Normal Open and should connect to electric lock that can be open when power on. "NC" means normal closed" and should connect to electric lock that can be open when power off. The maximum working current of the relay is 2A.

Wiring diagram of dedicated power supply for access controller

⊘	DC +12V	DC +12V
⊘	GND	GND
⊘	COM	PUSH
⊘	PUSH	NO
⊘	OPEN SW+ switch port	GND
⊘	OPEN SW-	NC
⊘	DOOR BELL door bell port	PUSH+
⊘	DOOR BELL	

port of electric lock that can be open when power on   port of electric lock that can be open when power off

Pls note "CON1" connecting cap when connect to dedicated power supply for access controller. It should be set at "NO" position. If 'COM" and "GND" connected, 'PUSH" output low level; If "COM" and "+12V" connected, 'PUSH" output high level. 'COM" is common port of relay.