

I. Technical Specifications

1. Major product specifications

No.	Item	Specifications
1	Working power	DC: 12V±10%/1.2A
2	Unlocking relay	DC12V/2A
3	Ambient temperature	Working: 0°C~45°C Storage: -10°C~55°C
4	Relative humidity	Working: 40%~90%RH Storage: 20%~90%RH
5	Number of cards allowed	1000
6	Proximity card recognition frequency	ID type: 125KHz
7	Proximity card recognition	ID type: EM or EM compatible cards
8	Car reading distance	ID type: 5~15cm
9	Electric lock interface	Output from the relay or the level (optional)
10	External car reader interface	A Weigand26 interface
11	Ways of opening the door	Door card or the unlocking passcode
12	Unlocking duration	3 seconds
13	Tamper alarm	Activated

2. Default product settings

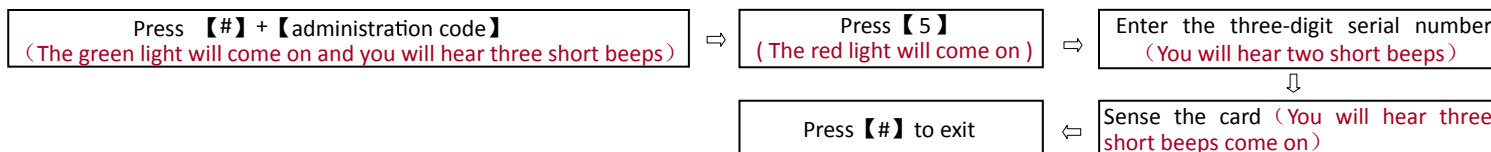
Types	Original settings	Notes
Administration passcode	881122	can only be used to access the administration system and is useless for undoing the lock.
Unlocking passcode	1234	can only be used to undo the lock.

※ Notes: **Administration passcode and Unlocking passcode can be modified based on user needs.**

II. Operational Procedure

1. How to add a door card

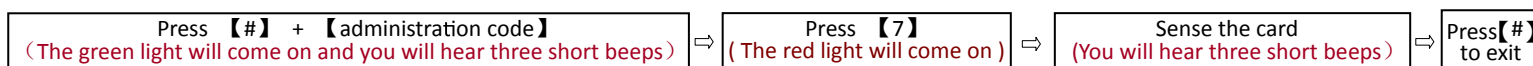
The door card refers to the card for undoing the lock. The maximum number of cards allowed is 1,000. For security, each added card is assigned a three-digit, unique serial number. The user is advised to remember this serial number. In case the user loses a card, this number can be deleted to prevent the card from being used by anyone else. (The serial number of the door card cannot be repeated. Otherwise, the system will produce three short beeps, and the red light will turn green. In this case, you can press 【5】 to input other three-digit numbers or press 【#】 to exit the system)



※Note: If 【#】 is not pressed after the card is sensed, the system will exit within five seconds to complete the entry operation. If several cards are to be added consecutively, the next card can be sensed within five seconds. The system will add the card and assign a serial number following the previous one. For example, if the serial number of the first card is 015, then the serial number of the second card will automatically be set to 016. If 016 has been used, the system will automatically skip it and assign to the next available number.

2. How to delete the door card

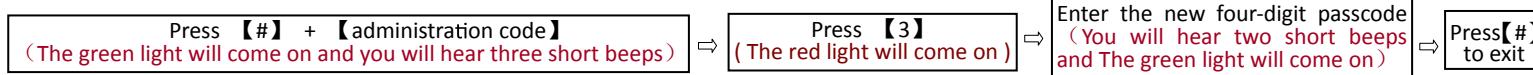
(1) Delete the card via card sensing



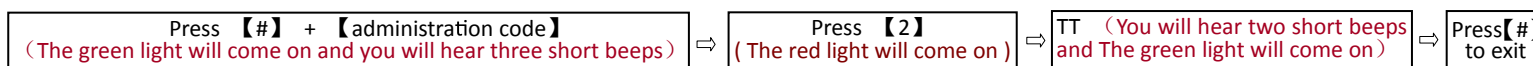
(2) Delete the card using the serial number (in the case of card loss)



3. How to modify the unlocking passcode (initialized to 1234)

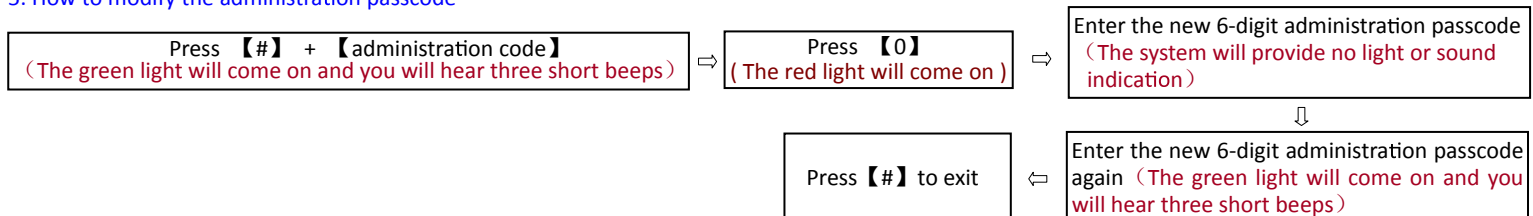


4. How to set the unlocking time



※Note: TT denotes the unlocking time in seconds. If the unlocking time is 3 seconds, then TT=03.

5. How to modify the administration passcode



6. How to initialize the controller (all data will be deleted)

Press **【#】** + **【administration code】**
(The green light will come on and you will hear three short beeps)

⇒

Press **【86】** (You will hear five short beeps. Five seconds later, you will hear three short beeps)

※Note: This operation will delete all data and restore the controller to its original state.

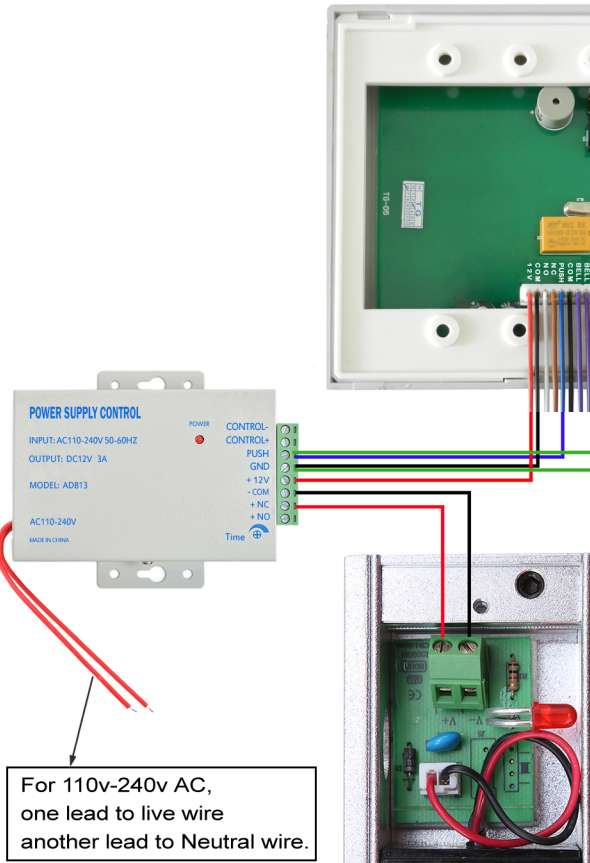
7. How to recover the administration passcode (without deleting user data)

Press in the circuit board at the back of the controller when the system is on.

※Note: This operation will restore the administration passcode to its original value without deleting user data.

III. Common Issues and Solutions

Symptom	Possible causes and solutions
The key can be pressed normally, but the card cannot be sensed, and there are eight hoots while undoing the lock.	Insufficient supply of DC causes controller failure. An additional DC power supply should be provided, or a larger power supply should be used. The door card should be added again after additional power supply is used.
The key can be pressed normally, but the card cannot be read promptly or it must be read from a short distance.	1.The controller is on a metallic surface, so its location should be adjusted. 2.The current supply is insufficient, so the power should be improved.
Long beeps occur while pressing 【#】 + 【administration passcode】 , and the administration system cannot be accessed.	Other keys were pressed before 【#】 is pressed. Press 【#】 to return to the normal state. Then, press 【#】 + 【administration passcode】 again to access the system.
There are three hoots when pressing 【5】 .	The capacity of the controller is full.
There are three hoots when pressing 【5】 + 【three-digit number】 .	This serial number has been used. Choose a different three-digit number.
There are two hoots when pressing 【5】 + 【three-digit number】 and four hoots when sensing the card	This card has been set to valid. Its serial number can be used by other cards.
The controller exits the administration system when no operation is performed under the administration state.	If no instruction is input under the administration state for 20 seconds, then the system will exit the administration system and switch to the normal working state.



WARNING:IF YOU ARE UNSURE ABOUT ANY PART OF THESE INSTRUCTIONS, CONSULT A QUALIFIED ELECIRICIAN.

