EntryVue AC-500 Keypad User Manual

EM Metal Password Access Controller

Please read this manual carefully before Installation

1. Product Profile

- The product is Contact-less inductive card Metal Password Access Controller. According to the model, it respectively supports EM, HID, MIFARE three cards, it is one of the most advanced stand alone access controllers.
- It is designed with unique metal exterior, dexterity keyboard panel operation, built-in high-grade microprocessors, strong anti-interference ability. Safety and reliability are extremely high, it can provide powerful security for 2,000 users.
- It contains strong functions, such as low power consumption, luminous keyboard, independent passwords, wiegand output, output short circuit protection, door magnetic alarm, prevent demolition alarm, exit button, doorbell interface, level of security Settings, etc.
- The product is widely used in homes, offices, residential areas and other public places.

2. Features

- Low power consumption: less than 30mA standby current
- Luminous keyboard: keyboard can be operated at night
- User capacity: support 2,000 users
- Independent password: open the door with password which is irrelevant to the access card
- User modified password: Users can revise the door password
- Search speed: charge less than 0.1 S.
- Output short circuit protection: electric lock or alarm output circuit within 100 μS when shut down automatically output
- Wiegand output: With Wiegand output interface, Wg26 card number or Wg4 buttons output
- Usable keyboard delete card number: After card is lost, usable keyboard delete card, thoroughly eliminate safety lapses
- The demolition alarm: Illegal dismantling machine, built-in alarm sound buzzer
- The bell button and interface: key and circuit segregation, external any the doorbell.

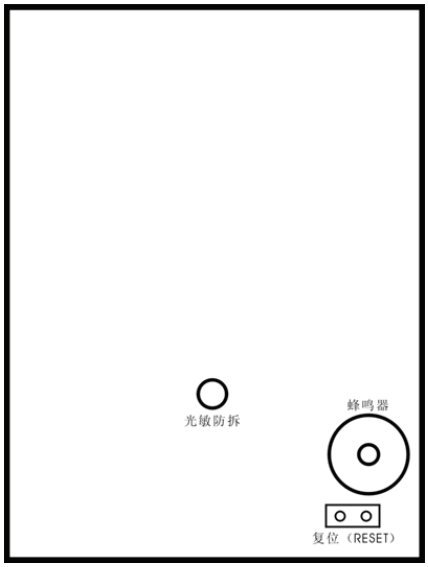
3. Technical parameters

- Work Voltage：AC&DC9-28V
- Static Current：≤30mA
- Reading Range：3～8cm
- Capacity: 2000 users
- Ambient Temperature：-25℃～60℃
- Ambient Humidity：10%～90%
- Electricity lock output：≤3A
- Alarm output：≤20A
- Output short circuit protection time：≤100μS
- Open time：0 ~ 99 seconds (adjustable)
- Size：120 *80*25mm

4. Administrator operation

Restore factory settings:

Disconnect the power supply and open the back cover, use the equipped two feet short-circuit, the inserting pin, plugged into the machine rear Two short circuit seat, then the machine buzzes, then take short circuit, namely the inserting pin for initialization of success. (Figure 1)



(Figure 1)

Note: restore factory Settings will not delete user data

Enter administrator operation status:

Press * Administrator password #

Administrator the defaultpassword: 999999

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4.1 Modify administrator password:

Press [0] [The new password #] [Repeat he new password #]

Note: the administration password is between 6 - 8 numbers. please be careful when entering.

4.2 Add user:

4.2.1 Add multiple cards:

Press [1] [Reading card] , [Reading card] , ... [#]

4.2.2 Add designated card Number:

Press [1] [Eight card number #] , [Eight card number #] , ... [#]

Automatically adding, the user ID automatically generated by this machine, the range is 1 - 2000, and search from small to large.

4.2.3 Add designated ID Number swipe card:

Press [1] [ID number #] [Reading card] , [ID number #] [Reading card] , ... [#]

4.2.4 Add designated ID number and card number:

Press [1] [ID number #] [Eight card number #] , [ID number #] [Eight card number #] , ... [#]

Note: input ID digits of 1-4 digits, The range is 1 - 2000, numbers such as 1,01,001,0001 ID number all expressed 1.

Adding card user will automatically generate a default password "1234", but this password can not open the door, the password is only for a user to change to a new password.

4.2.5 Add designated ID number and password:

Press [1] [ID No # password #] [ID No # password #] ... [#]

Note: applicable to number card users, password and card are unrelated, input a four digit code, but not "1234"

4.3 Delete user

4.3.1 Delete swipe card

Press [2] [Reading card] [Reading card] ... [#]

4.3.2 Delete Designated card Number：

Press [2] [Eight card number #] , [Eight card number #] , ... [#]

4.3.3 Delete Designated ID Number：

Press [2] [ID No #] [ID No #] ... [#]

4.3.4 Delete all：

Press [20000] [#]

4.4 Door opening method setting：

4.4.1 Card open：

Press [3] [0] [#]

4.4.2 Card + Password open：

Press [3] [1] [#]

4.4.3 Card or Password open： (Factory default)

Press [3] [2] [#]

4.5 Unlock time setting：

Press [4] [0~99] [#]

Note: The lock time range "0 to 99 seconds ", the factory default is 5 seconds

4.6 Alarm time setting:

Press [5] [0~3] [#]

Note: The alarm time ranges from 0 - 3 minutes, the factory default is 1 minute

4.7 Magnetic Alarm Function setting：

4.7.1 Shielding of the function (factory default)：

Press [6] [0] [#]

4.7.2 Open the function：

Press [6] [1] [#]

Open the function, two possibilities:

4.7.2.1 If the door is not closed properly for 1 minute, the built-in buzzer alarm will sound off.

4.7.2.2 If the doors are unlock for 20 seconds after the doors are opened, or if the doors are forced to open, the built-in buzzer alarm will soud off.

4.8 Security mode setting

4.8.1 Normal mode (factory default)

Press [7] [0] [#]

4.8.2 Lock mode：

Press [7] [1] [#]

The system will lock and alarm after a ten minute continuous brush of an invalid keycard. The system will also alarm after a continuous entry of a wrong password.

5. User operations

5.1 Card modify password:

Press [*] [Reading card] [Old password] [#] [New password] [#] [Repeat the new password] [#]

5.2 User ID number modify password

Press [*] [ID No] [#] [Old password] [#] [New password] [#] [Repeat the new password] [#]

Note: applicable to a card or card-less users, if the user password is "1234", must use card to modify

5.3 Card open：

[Reading card] , doors open

5.4 Password open：

Press [User password] [#] , doors open

5.5 Card + Password open：

[Reading card] [User password] [#]

, doors open

6. Remove alarm operation

6.1 External alarm and built-in buzzer alarm at the same time

Swipe [Valid card] or press [Administrator password #]

(stop alarm)

6.2 Close door alarm tips

Close the door, or swipe card [Valid card] , or input [Administrator password #] , Can stop alarm

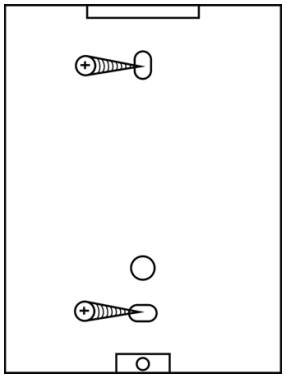
7. Acousto-optic instructions

Operation state	Red Light	Green Light	Buzzer	Note
Standby	Slow flashing	Off		
Buttons			Di	
Success	Off	On	Di-	
Failure			DiDiDi	
Into programming	On	Off	Di-	Indicator is orange
Set condition	On	On		
Exit programming	Slow flash	Off	Di-	
Unlock	Off	On	Di-	
Alarm	Fast flashing	Off	Alarm sound	

8. Installation method, lead wire description and Cabling diagram

8.1 Installation method

8.1.1 When installing on the wall, take notice of the apreture size of drill to fit the connecting holes, or installed two exisiting junction boxs plus connection.(Figure 2)



(Figure 2)

8.1.2 Put the lead wire from bottom shell of the outlet hole, connect the cables needed. Unused lines are wrapped with insulating tape to prevent short circuit.

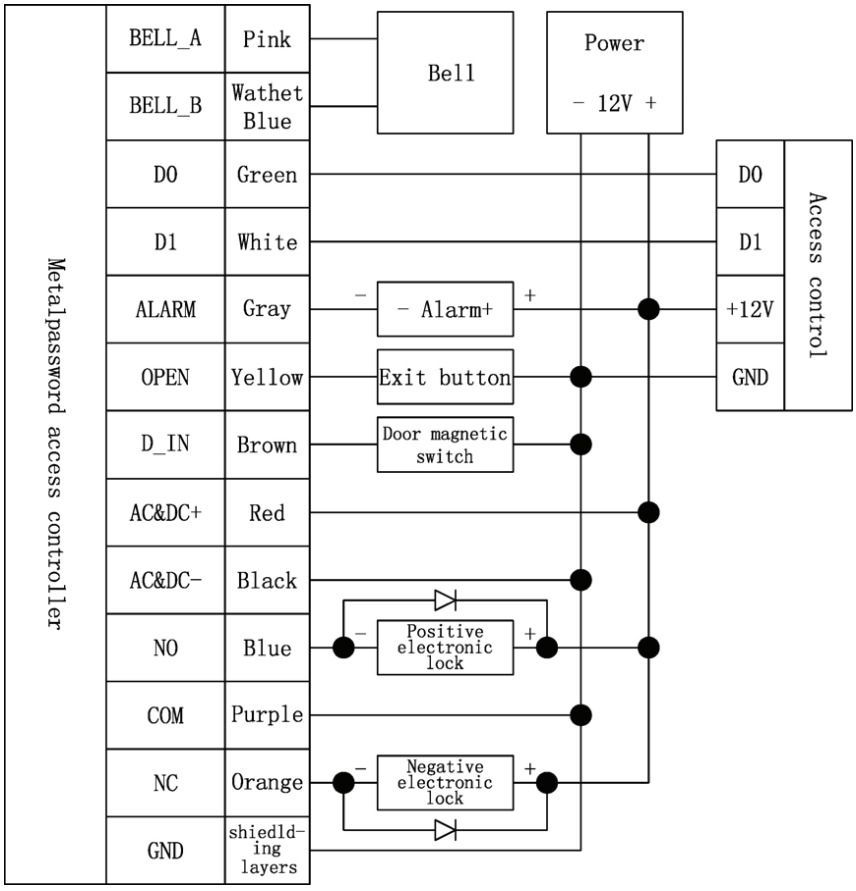
8.1.3 When complete, Install the front cover to the back cover, tighten the screws, stabilize the front cover and back cover.

8.2 Lead wire description

Line sequence	Marks	Color	Function description
1	BELL_A	Pink	Doorbell button one end
2	BELL_B	Pale blue	The doorbell button to the other end
3	D0	Green	WG output line D0
4	D1	White	WG output line D1
5	ALARM	Grey	Alarm negative (alarm positive connected +12V)
6	OPEN	Yellow	Exit button one end (Exit button the other end connected GND)
7	D_IN	Brown	Magnetic switch one end (magnetic switch another end connected GND)
8	AC&DC	Red	Power supply 9-28V input (DC input+)
9	AC&DC	Black	Power supply 9-28V input (DC input-)
10	NO	Blue	Relay normally-on end (Connected positive electric lock+)
11	COM	Purple	Relay Public end, Connected GND
12	NC	Orange	Relay Public end, (Connected negative electric lock +)
13	GND	Shielding layer	Ac input for machines minus

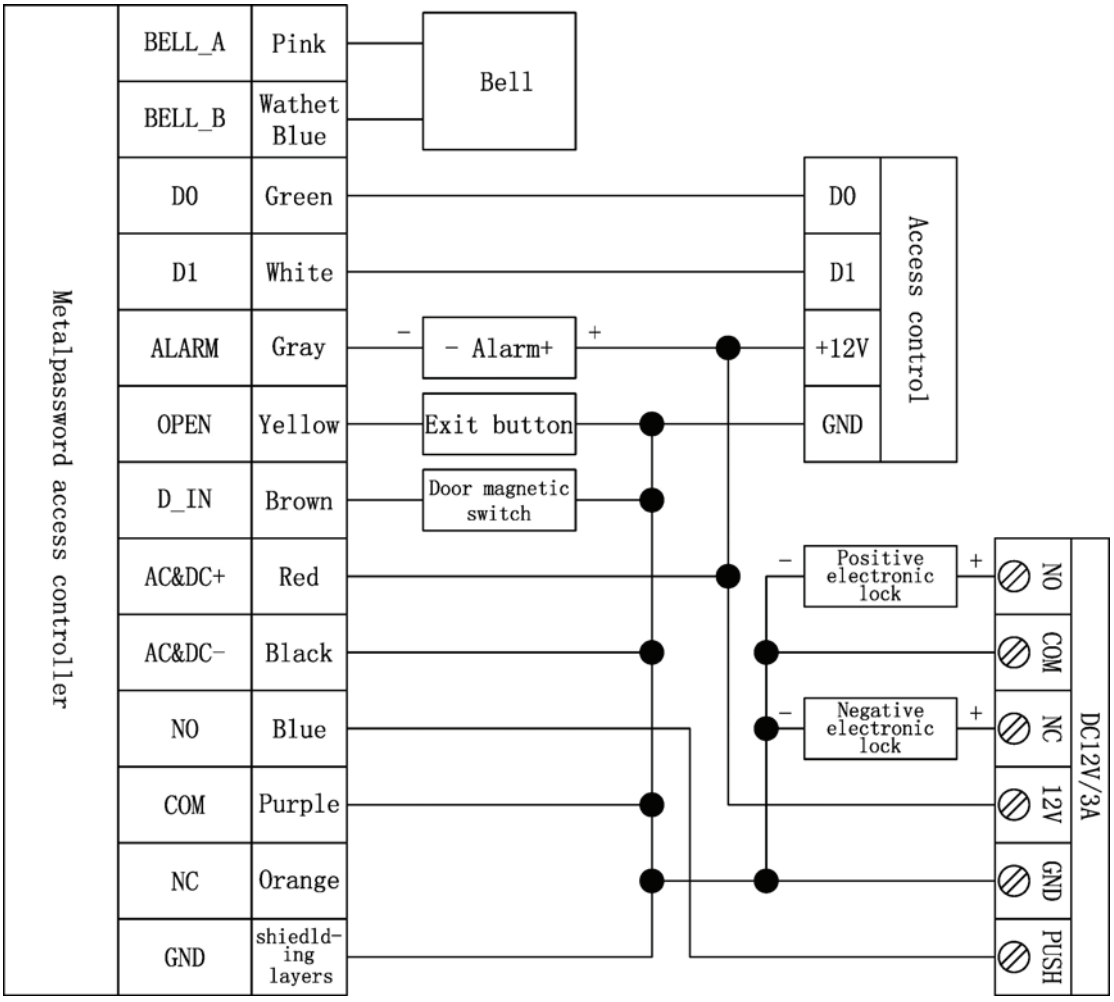
8.3 Cabling diagram

8.3.1 Ordinary power supply Cabling diagram (Figure 3)



(Figure 3)

8.3.2 Access Control Power Supply Cabling diagram (Figure 4)



(Figure 4)

9. Packing list

Name	Model/ specification	Quantity	Note
Metal Password access controller	GAR-3008	1	
User manual	GAR-3008	1	
Tapping screws	Φ 4mm×28 mm	4	Used for installation fixed
Stopper	Φ 6mm×30 mm	4	Used for installation fixed
Star screwdriver	Φ 20mm×60mm	1	Secial
Star screws	Φ 3mm×6mm	1	Used between the front cover and back cover for a fixed
LED	1N4007	1	

Notices

- If there is any problem, please return the product to the factory for maintenance.
- Before installing the product on the wall, please check the wiring or line tube carefully to prevent accidents, such as broken wiring caused by drilling. Please use saftey goggles when drilling or when fixing the line clip.
- Specifications will likely be different after product upgrades, no prior notice will be made.