Large-capacity waterproof access control machine manual (V2022)

1、 Product parameters

This machine is an access control machine that uses non-contact induction cards for access control. **The product has a large user capacity, management card functions, automatic registration functions, and data copy functions.** It is easy to operate and stable in performance. It is very suitable for the entrance and exit of places such as intelligent communities. , the specific product parameters are as follows:

Project	index	Project	index
Operating	DC 12V	User capacity	15,000
Working	< 100mA (access control	Card reader	MF1 card or EM card
Ambient	-20℃~60℃	Reading	3-15CM

2、 Common steps for installation and setting of access control machine

Step 1: Set the unlock time. (Refer to Manual 4).

Step 2: Wiring (refer to instruction manual 7). When installing, fix the bracket first, and then buckle the machine on the bracket.

Step 3: Turn on the power, and then add users through "add card" (refer to instruction manual 5).

3、 Sound and light indication (red and green lights/blue and green lights)

Operating	indicator light		operating	buzzer	indicator light
Standby	Steady red light		read valid	drop	green light
Plus card	green light flashing		read	Didi Didi	Steady red light
Card	red light flashing				

4、 Set unlock time

When the number 2 dial on the access control machine is at the 2 terminal (1S), the relay will act for 1 second (factory default value); when it is dialed to the ON terminal (5S), the relay will act with a delay of 5 seconds.

5、 Add or delete user card through management card

Each machine has been equipped with a management card before leaving the factory. The management card is only useful for this machine and cannot be used universally. Please do not confuse it when using it.

Add user card: In standby mode, swipe "add card" (the green light is flashing) ➡ Swipe the "user card" (continuous swiping after the beep) ➡ Swipe "add card" to exit

Delete user card: In standby mode, swipe "delete card" (red light flashes) ➡ Swipe the "user card" that needs to be deleted (can be swiped continuously) ➡ Swipe "Delete Card" to exit

Delete all users: In standby mode, swipe "delete card" ➡ Swipe "add card" ➡ Swipe "Delete Card" to exit
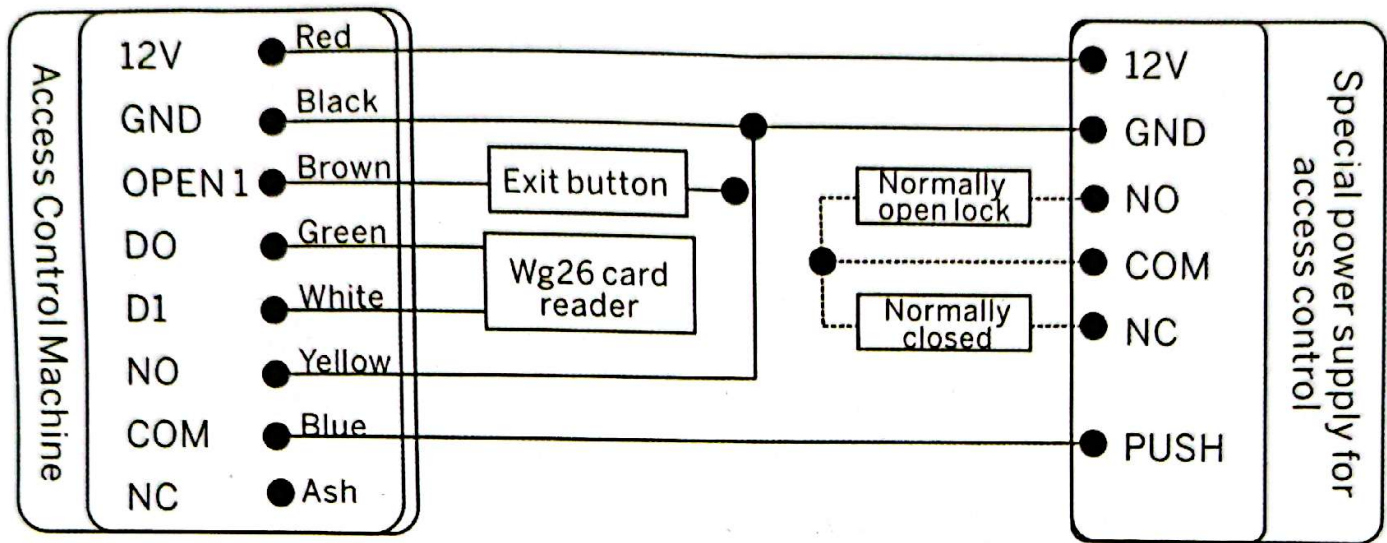
6、 Set management card

If the management card is lost or needs to be reset, follow the steps below:

Step 1: Turn off the power, dial the dial number 1 to the ON end, and turn on the power again. After three long beeps, the green light will flash;

Step 2: Swipe two blank cards continuously, (the first card is for adding card, the second card is for deleting card), after the red light of the machine flashes,

The buzzer beeps continuously;

Step 3: Turn off the power, dial the dial number 1 to end 1 and then power on again, the machine enters the normal working state, and the management card is added.

7、Wiring diagram of electric lock driven by access control power supply

Access Control Machine		
12V	Red	
GND	Black	
OPEN 1	Brown	
DO	Green	
D1	White	
NO	Yellow	
COM	Blue	
NC	Ash	

Exit button

Wg26 card reader

Normally open lock

Normally closed

Special power supply for access control	
12V	
GND	
NO	
COM	
NC	
PUSH	

The signal output by the door access control machine is a relay signal, which can directly drive electric locks, automatic doors, barrier gates and other equipment. Please consult the supplier for the specific wiring method.

8、Automatic registration function

MOD state "1": No. 3 dial code is on the 3rd terminal (MOD1), after swiping "add card", if there is no operation within 3 minutes, the system will automatically exit the state of adding card (the factory value is state "1");

MOD state "2": No. 3 dial is on the ON side (MOD2), after swiping "add card", the system will not automatically exit the add card state, and the add card state can only be ended by swiping "add card" or power off and restarting; In the state of adding cards, swiping all cards (except the management card) will output an unlock signal, and the card will be automatically saved. This function is suitable for special situations such as temporary replacement of the machine.

9、Data copy function (round all-in-one machine does not have this function)

The user data can be exported to another access control machine through the J1 pin (4P) on the access control machine, and the data on this machine will not be deleted. The operation steps are as follows (A is the data export machine, B is the data import machine):

Step 1: Connect the J1 pins of A and B with the data cable as shown in the figure, and then turn the No. 4 dial of A and B to the ON end, and then power on A (B does not need to be powered on), at this time, the red light of A Always on, B green light is always on;

Step 2: Put B's "addition card" in the card reader area of B for about 5 seconds, B beeps three times, at this time, the green light of B is always on, and the red light of A is always on;

Step 3: Put A's "delete card" in the card reader area of A for about 5 seconds, A beeps three times, and the indicators of A and B flash quickly;

GND	—	GND
TX	✕	TX
RX	✕	RX
VCC	—	VCC

Step 4: After waiting for about 5 minutes, A and B give a long beep at the same time, the red light of A is always on, and the green light of B is always on, and the data copying is completed, disconnect the power supply and data cable of B, and dial the number 4 of A and B Dial the code to terminal 4, A and B return to normal standby work.