



Dioche A7 Stand Alone Access Control and Reader User Manual

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Dioche

Dioche A7 Stand Alone Access Control and Reader



INTRODUCTION

This product is a Keypad standalone access control. 1500 user capacity and supporting 13.56MHz Mifare card (UID 7 bytes, 4 bytes, Plus). It can be accessed by card, PIN, card + PIN. It is also equipped with admin add/delete cards, door detection, external alarm and Wiegand input/output interface.

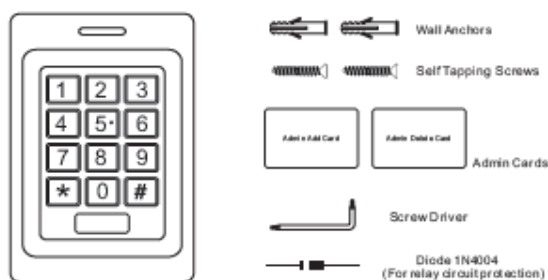
Features and Benefits

- A7,A8 Zinc-alloy housing, A9 ABS shell
- Waterproof, conforms to IP67
- With Wiegand input & output, it can be used as not only
- standalone, but also slave reader or access controller.
- Equipped with admin cards, which can add/delete users quickly.
- Pulse Mode or Toggle Mode
- Door Bell button (A8,A9)

Specifications

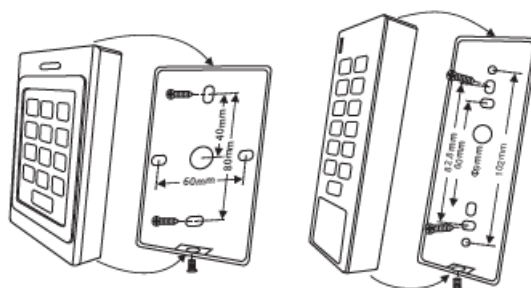
Operating Voltage	10-24V DC
Idle Current	≤45mA
Active Current	≤80mA
Waterproof	IP67
User Capacity	1500
Frequency	13.56MHz
Card type	Mifare (UID 7 bytes, 4 bytes, Plus)
Read Range	≤6cm
Wiegand Interface	Card: Wiegand 26 bits or 34 bits, PIN: 4 bits
Lock Output Load	≤2A
Alarm Output Load	≤500mA

Packing List



INSTALLATION

1. Remove the back cover from the unit with screw.
2. Drill hole on the wall according to the back size of the machine and fix the back cover on the wall.



3. Thread the cable through cable hole, connect related cable. For the un-used cable please separate with insulating tape.
4. After wiring, install front casing and fix the back cover well with screws.

Wiring

Wire Color	Function	Notes
Orange	NC	Relay NC
Purple	COM	Relay COM
Blue	NO	Relay NO
Black	GND	Negative Pole
Red	DC+	10-24V DC Power Input
Yellow	OPEN	Request to Exit Button
Brown	D_IN	Door Contact
Grey	ALARM-	Alarm Negative
Green	D0	Wiegand output/input Data0
White	D1	Wiegand output/input Data1
Grey & Black	BELL	External BELL
Yellow & Black	BELL	External BELL

Sound and Light Indication

Operation Status	LED	Buzzer
Stand by Mode	Red light bright	
Enter program Mode	Red light shines	
In the Program Mode	Orange light bright	
Open lock	Green light bright	One beep
Operation failed		Three beeps

Modify Admin Code

Programming Step	Keystroke Combination	LED
Enter Program Mode	* (Admin Code) # (Factory default is 777777)	Red shines
Modify Admin Code	0 (New Admin Code) # (Repeat New Admin Code) #	Orange bright
Exit Program Mode	*	Red bright

Note: Admin should enter Program Mode, then the settings can be set or reset. For security, you must change the Admin Code and then keep in mind.

Factory Default Setting and Add Admin Cards

power off, press exit button , power on, release it until hear two beeps, then the red LED will be orange. It means the device is under the status of waiting for adding admin cards. Swiping two cards, the first card is “Admin Add Card”, the second card is “Admin Delete Card”, then the device will be in standby mode and the red light bright. Resets to factory default setting and adding admin cards are successful.

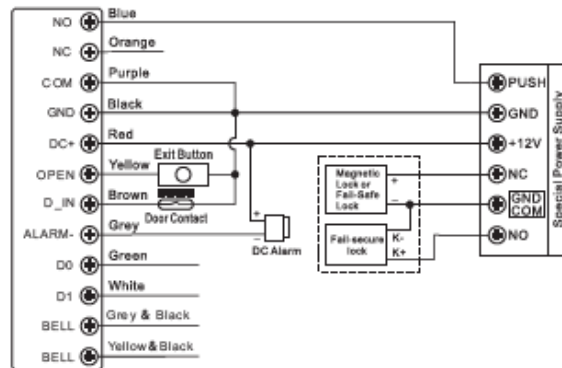
If you don't need to add admin cards: Press “*”, power on, hold it for more than 10 seconds.

Note: Reset to factory default, the users' information won't be deleted.

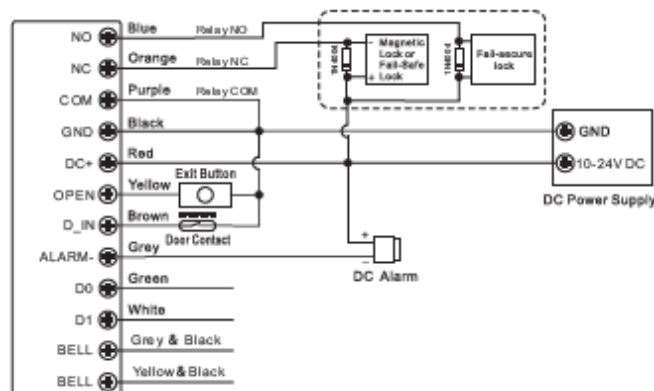
STANDALONE MODE

Connection Diagram

Special Power Supply for Access Control



DC power Supply for Access Control



Note: The electric locks must be connected with diode(1N4004), otherwise the device might be damaged. The white end of the diode is connected to positive pole of electric lock and the other end is connected to negative pole of the electric lock.

Add/Delete Users by Admin Cards (in standby mode)

Add users	Step 1: Read Admin Add Card Step 2: Read user cards (Repeat step 2 for additional user cards) Step 3: Read Admin Add Card again to end
Delete users	Step 1: Read Admin Delete Card) Step 2: Read user cards (Repeat step 2 for additional user cards) Step 3: Read Admin Delete Card again to end


Enter and Exit Program Mode

Programming Step	Keystroke Combination
Enter Program Mode	* (Admin Code) # (Factory default is 777777)
Exit Program Mode	*

Add Users (ID number: 1-1500)

Programming Step	Keystroke Combination	LED
Enter Program Mode	* (Admin Code) #	Red shines
Add Card User		
Add Card: By Card OR Add Card: By ID number OR Add Card: By Card number	1 (Read Card) # 1 (Input ID number) # (Read Card) 1 (Input 8/10 digits Card number)#	Orange bright

Documents / Resources

	Dioche A7 Stand Alone Access Control and Reader [pdf] User Manual A7, Stand Alone Access Control and Reader, A7 Stand Alone Access Control and Reader, Access Control and Reader, Reader, A8, A9, A Series
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