



Standalone Access Control User Manual

1. Packing List

Name

Keypad

Diode

User manual

Rubber plug

Self tapping screws



Please ensure all the above contents are correct, If any missing, please notify the supplier of the unit.

Remarks

1N4007

Φ6mm×30 mm, used for fixing

Φ4mm×28 mm, used for fixing

2. Quick Reference Programming Guide

Quantity

Enter the programming mode	* Master code # 999999 is the default factory master code			
Exit from the programming mode	*			
Note that to undertake the following programming, the master user must be logged in				
Change the master code	0 New code # New code # The master code can be 6 to 8 digits			
Add a PIN user	1 User ID number # PIN # The ID number is any number between 1 & 2000. The PIN is any four digits between 0000 & 9999 with the exception of 1234 which is reserved. Users can be added continuously without exiting programming mode			
Add a card user	1 Read Card # Cards can be added continuously without exiting programming mode			
Delete a PIN or a card user	2 User ID number # for a PIN user or 2 Read Card # for a card user Users can be deleted continuously without exiting programming mode			
Unlock the door for a PIN user	Enter the PIN #			
Unlock the door for a card user	Present the card			

3. Description



The unit is single door multifunction standalone access controller or a Wiegand output keypad card reader. It is suitable for mounting either indoor or outdoor in harsh environments.

This unit supports up to 2000 users in either a Card, 4 digit PIN, or a Card + PIN option. The inbuilt card reader supports 125KHZ EM cards. 13.56MHz Mifare cards. The unit has many extra features including lock output current short circuit protection, Wiegand output, and a backlit keypad. These features make the unit an ideal choice for door access not only for small shops and domestic households but also for commercial and industrial applications such as factories, warehouses, laboratories, banks and prisons.

4. Features

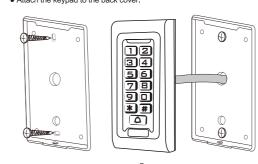
- Waterproof degree,Indoor/IP68
- Full programming from the keypad
- 2000 users, supports Card, PIN, Card + PIN
- Can be used as a standalone keypad
- Backlight keys
- Wiegand 26 input for connection to external reader
- Wiegand 26 output for connection to a controller
- Adjustable Alarm time and Door Open time
- Very low power consumption (30mA)
- Fast operating speed, <20ms with 2000 users
- Lock output current short circuit protection
- · Easy to install and program
- Built in buzzer
- · Red, Yellow and Green LEDS display the working status

5. Specifications

DC 1	2V-24V	Lock Output Load	Max 3A		
2000	$\overline{}$				
	,	Alarm Output Load	Max 20A		
2-5 cm		Operating Temperature	-45°C ~ 60°C		
< 60mA		Operating Humidity	10%-90% RH		
25±5 mA		Waterproof degree	Indoor/IP68		
me	0-99 secor	nds			
Adjustable Alarm Time		0 - 3 minutes			
Wiegand Interface		Wiegand 26 bit			
	Electric Loc	k, Exit Button, External read	der		
	< 60 25±5	< 60mA 25±5 mA ne 0-99 secor 0-3 minut Wiegand 2	<60mA		

6. Installation

- Remove the back cover from the keypad using the supplied special screw driver
- Drill 2 holes on the wall for the self tapping screws and dig a hole for the cable
- Put the supplied rubber plug into the two holes
- Fix the back cover firmly on the wall with 2 self tapping screws
- Thread the cable through the cable hole
- Attach the keypad to the back cover.



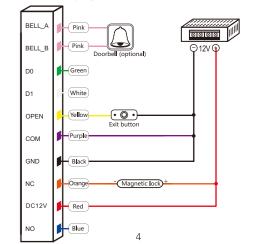
7. Wiring

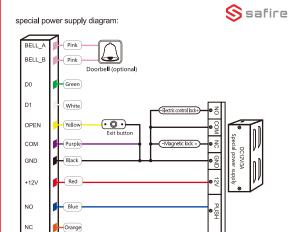
Ssafire



Colour	Function	Description
Pink	BELL_A	Doorbell button one end
Pink	BELL_B	The doorbell button to the other end
Green	D0	WG output line D0
White	D1	WG output line D1
Yellow	OPEN	Exit button one end(the other end connected GND)
Red	12V+	12V + DC Regulated Power Input
Black	GND	12V - DC Regulated Power Input
Blue	NO	Relay normally-on end(Connect positive electric lock "-")
Purple	сом	Relay Public end, connect GND
Orange	NC	Relay Closed end(connect negative electric lock "-")

common power supply diagram:





8. To Reset to Factory Default

Power off.press # continuously .then power on .release it after sounds tick or thrice, it means factory default settings is successful.

Power off, press exit button continuously then power on, release it after sounds tick or thrice, it means factory default settings is successful.

*Registered users won't be deleted when reset to factory default

9. Sound and Light indication					
	Operation Status	Red Light	Green Light	Yellow Light	Buzze
	Power on	Bright			Di
	Stand by	Slow Flash			
	Press keypad				Di
	Operation successful		Bright		Di

Ssafire DiDiDi Operation failed Briaht Enter into programming mode Bright In the programming mode Exit from the programming mode Slow Flash Bright Open the door Quick Flas Alarm

* Master code #

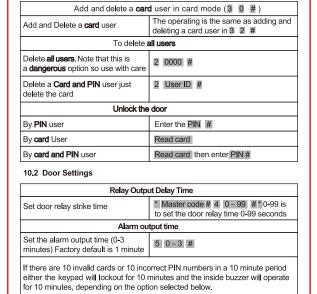
999999 is the default factory master code

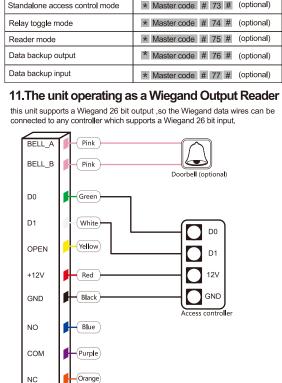
10. Detailed Programming Guide 10.1 User Settings

Enter the programming mode

	l cocco is the delatit factory master code
Exit from the programming mode	×
Note that to undertake the following pro-	gramming the master user must be logged in
Change the master code	New code # New code # The master code can be 6 to 8 digits
Setting the working mode: Set valid card users only Set valid card and PIN users Set valid card or PIN users	3 0 # Entry by card only 3 1 # Entry by card and PIN together 3 2 # Entry by either card or PIN (default)
Add a user in either card or PIN mode, i	.e. in the 3 2 # mode. (Default setting)
Add a PIN user	1 User ID number # PIN# The ID number is any number between 1 & 2000. The PIN is any four digits between 0000 & 9999 with the exception of 1234 which is reserved. Users can be added continuously without exiting programming mode as follows: User ID no 1# PIN# User ID no 2# PIN#
Delete a PIN user	2 User ID number # Users can be deleted continuously without exiting programming mode
Change the PIN of a PIN user (This step must be done out of programming mode)	* ID number # Old PIN # New PIN # New PIN #

Add a card user (Method 1) This 1 Read card # is the fastest way to enter cards. Cards can be added continuously without user ID number auto generation. exiting programming mode Add a card user (Method 2)This is the alternative way to entercards using 1 ID number # Read card # User can be added continuously without user ID Allocated. In this method a user ID is allocated to a card. Only one exiting programming mode user ID can be allocated to a single card. Add a **card** user (Method 3) Card number is the last 8 digits 1 Card number # User can be added continuously without printed on the back of the card,user exiting programming mode ID number auto generation Add a card user (Method 4) 1 ID number, # Card number, # In this method a User ID is allocated User can be added continuously without to a card number. Only one user ID can be allocated to the card number exiting programming mode Delete a card user by card. Note 2 Read Card # users can be deleted continuously without exiting programming mode Delete a card user by user ID. 2 User ID # This option can be used when a user has lost their card Delete a card user by card 2 Card number # number. This option can be used Note users can be deleted continuously when the user want to make the without exiting programming mode change but the card has lost Add a card and PIN user in card and PIN mode (3 1 # Add the card as for a card user Press Add a card and Pin user (The PIN is any four digits between ■ to exit from the programming mode 0000 & 9999 with the exception of Then allocate the card a PIN as follows: * Read card 1234 # PIN # PIN # 1234 which is reserved.) Change a PIN in card and PIN mode (Method 1) Note that this is done Read Card Old PIN # New PIN # outside programming mode so the New PIN # user can undertake this themselves Change a PIN in card and PIN mode ID number # Old PIN # New PIN # (Method 2) Note that this is done outside programming mode so the New PIN# user can undertake this themselves





Working modes

V1.4

Ssafire

7 1 #

7 2 #

To remove the alarm

Normal status: No keypad lockout or 7 0 # (Factory default setting)

buzzer operate (factory default)

Reset the Door Forced Open warning

Keypad Lockout

Inside buzzer actived

Read valid card or Master Code # Reset the Door Open Too Long warning | Close the door or Read valid card or Master Code#

Ssafire