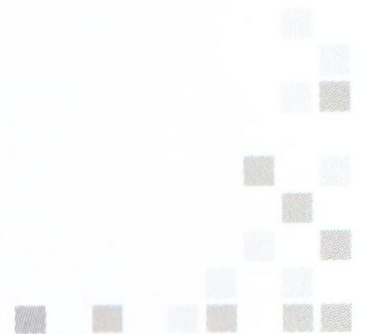
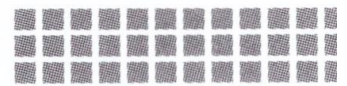
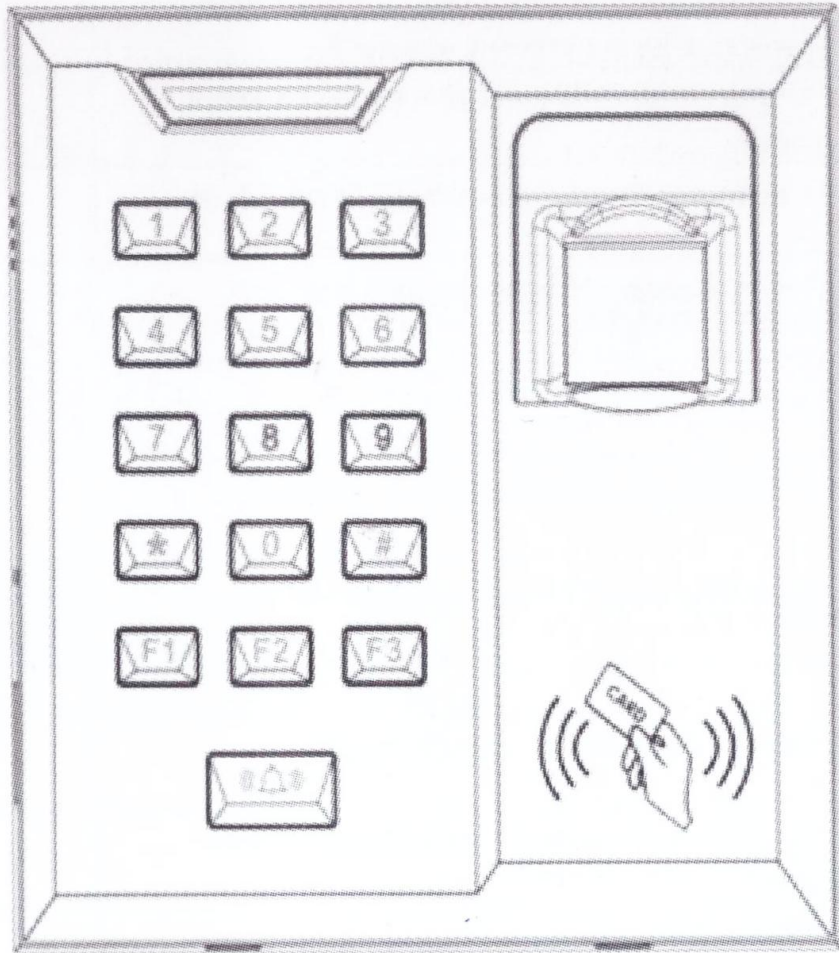




Fingerprint Access Control

User Manual





(Please read carefully and properly kept)

Specification:

Item	Default	Description
Fingerprint maximum		user number 500, one user can register 1 password, 1 card and 10 fingerprint.
Password maximum		500
Card maximum		500
Administrator	After initialization the administrator have be set,user ID 1 and password is '123456'.	Anyone can be set administrator Please refer user register.
Voltage and Current		DC12V <100mA
Material & size		ABS 106mm*106mm*28mm
LED light	RED flash	After identify successful ,green LED light.
RFID		125KHZ distance > 3CM
Fingerprint sensor		CMOS
Keyboard		mechanical switch 0,1,2,3,4,5,6,7,8,9,0,*,#,F1,F2,F3
Buzzer		Support
Bell switch		Support
Wigand out put		Support
Exit button		Support
Relay delay	6s	1 -200s
Relay		DC 5V
Wigand output format	Wigand 34	WG26,WG34
Work mode	Normal mode(stand alone)	Normal mode: output user ID when identify successfully. Otherwise reader mode: output card number after identify. Output card number when swipe card and do not identify .there is not password for device. it output key value by Wigand when press key. reader mode be used with access controller always. So it need to know how to use controller.
One key recovery		Remove rear cover , press the key on PCB(Only one key in the back side).
Identify mode	Fingerprint or card or password	1, Fingerprint or card or password 2, Fingerprint and password and card 3, Fingerprint and password. 4, Fingerprint and card. 5, Only fingerprint 6, Only password 7, Only card
Fingerprint sensor sleep		Sensor sleep when there is not any handle from user after 15 minutes .it can be wake up by press key or swipe card.

Note:

- 1, Device is not water resistant
- 2, Device can not be damaged when VCC and GND connect wrong, but don't connect too long because it can damage the power supply.
- 3, The relay work with 5V DC ,it can not connect high power device. If you need to use ,please check the relay model.
- 4, The device can work under 9V to 16V by designed. Telephone wires & twisted-pair do not use when device be installed
- 5, The relay mechanical service life is 100,000,000 .
- 6, The device near other RFID device with high power , distance >30CM.

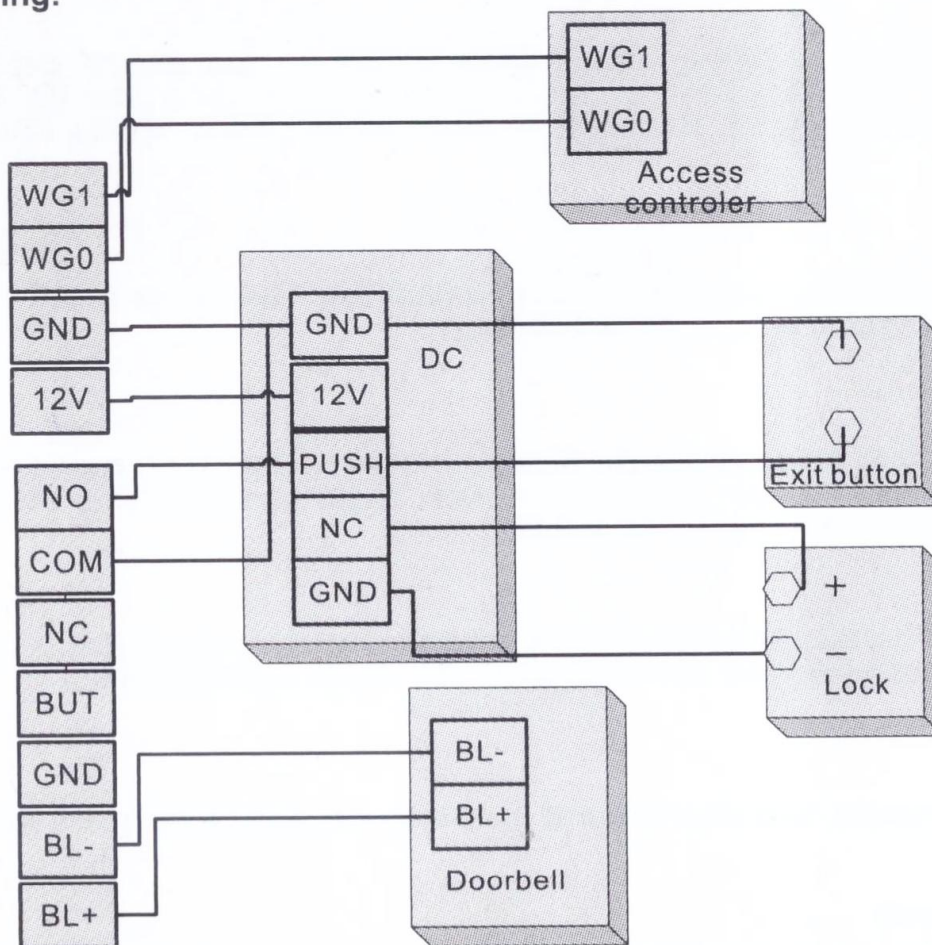
Connector Description:

WD1	WD0	GND	12V
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NO	COM	NC	BUT	GND	BL-	BL+
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Please look the showing back side on PCB.

Wiring:



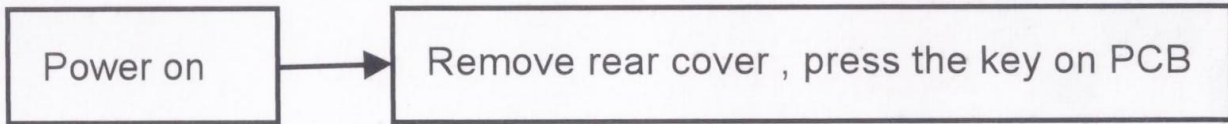
Note: Please get advice from supplier when you need connect with access controller. definition:

Attendance machine warranty card

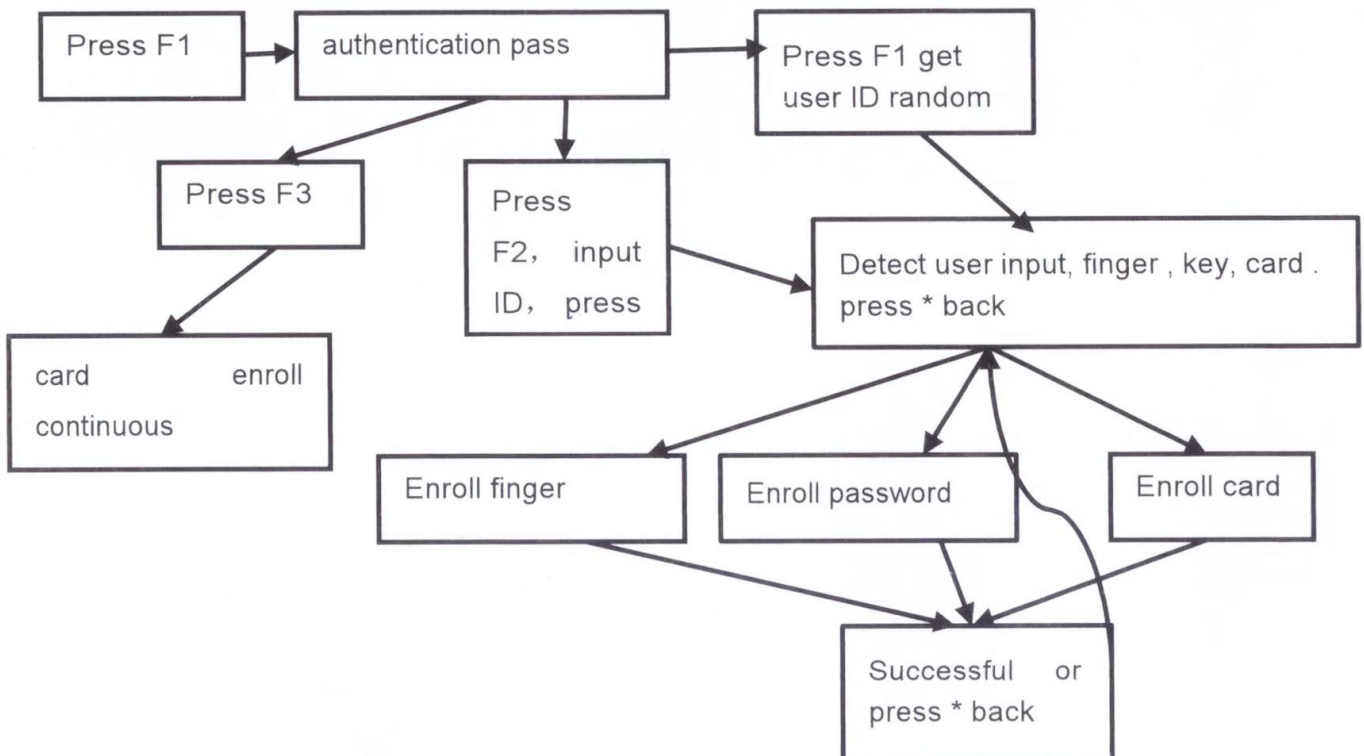
User Name				Contact Information			
User Address				Zip Code			
Machine Model Number				(Purchase Store Stamp)			
Machine Serial Number							
Attachment Serial Number							
Product Origin				Invoice Number			
Purchase Store Name							
Purchase Store Address				Purchase Store Zip Code			
Purchase Store Phone				Purchase date			
Repair Date	Date of Completion	User Description	Fault Description	Maintenance records	Repair Number	Maintenance Authorization Signature	Customer Receipt

Quick start:

- 1, Resume to factory option when you first use it will enroll one administrator , the ID is 1, and password is 123456



2, Flow diagram



Steps list:

Item	Step	Description
Enroll finger by ID	F1 authentication F2 input user number # press finger(3 times) #	* back
Enroll password by ID	F1 authentication F2 input user number # input password # input password again # #	
Enroll card by ID	F1 authentication F2 input user number # swipe card #	
Enroll finger random ID	F1 authentication F1 press finger(3 times) #	
Enroll password random ID	F1 authentication F1 input password # input password again # #	
Enroll card random ID	F1 authentication F1 swipe card #	
card enroll continuous	F1 authentication F3 swipe card swipe card	
Enroll administrator	F1 authentication F2 input user ID # press finger(3 times) F3	Password ,card enroll, press F3 at last steps, it is will be a administrator(manager)
Delete one user by ID	F2 authentication input user number #	
Delete one user by user's finger	F2 authentication press the finger that need to be deleted	
Delete one user by card	F2 authentication swipe card	
Relay delay set	F3 authentication 2 # input number #	1s – 200s
Wigand output format set	F3 authentication 3 # input number #	Please refer Function number & parameter list
Device mode set	F3 authentication 4 # input number #	
Identify mode set	F3 authentication 5 # input number #	
Recovery	F3 authentication 6 #	
Option recovery	F3 authentication 7 #	

(note : for authenticate ,it can use fingerprint , password ,card.)

Delete:

1,One key recovery

Remove rear cover , press the key on PCB

2,Delete one user

Press F2, authentication pass, input user ID (press finger, swipe card can get the user ID) and press #,delete the user with fingerprint, card, password.

Identify

Press finger and identify successful. Output the signal(COM and NO close on relay).
Two short sound.

Press * input password , press # and identify successful. output the signal for lock. Swipe card, identify at once.

Option

set: (note:any option change,please read carefully and set)

Press F3,authentication pass,input function number,press #,enter parameter set, input the value,press # ,two short sound means successful. Press * back to 'input funcation number'.

Function number & parameter list:

Function name	Function number	Parameter	Description
Relay delay	2	1-200	When identify successful. Relay close COM and NO. default 6s
Wigand output format	3	1 wigand 34 2 wigand 26	Default 1
Work mode	4	1 normal mode , 2 reader mode.	
Identify mode	5	0 Fingerprint or card or password 1 Fingerprint and password and card 2 Fingerprint and password. 3 Fingerprint and card. 4 Only fingerprint 5 Only password 6 Only card	
recovery	6		It will delete all user and resume to factory option
Option recovery	7		The user is reserved
Download user	8		Download user to USB disk. (only USB2.0 & Fat file system,please note)
Upload user	9		Upload user from USB disk

- 1, F1 is register key(function key)
- 2, F2 is delete key
- 3, F3 is option key
- 4, Buzzer beep short means successful, long fail.
- 5, Press '*', input password identify.
- 6, Number range is 1-65534 for user ID.
- 7, Password range is 1-99999999.
- 8, Device come back to identification when there is not any handle from user after 30s.
- 9, Green LED flash when press function key and authentication pass.
- 10, Default administrator ID is 1, password is '123456', please modify the password when first used. It can enroll fingerprint or card for administrator.

Steps:

Register:

1, Enroll

egin

Press F1 select enroll mode, authentication pass. Press F1 the device get a ID random. Press F2 enter the user ID by number key and press #, get a user ID. enter enroll select(it can enroll fingerprint ,password or card).press * back . Press F3 enter card enroll continuous.

2, Enroll select

When user press finger or swipe card or press any number key. The device enroll fingerprint, enroll card or enroll password .enroll begin.

3, Enroll fingerprint

Press the fingerprint 3 times(press and leave means one press),two short sound, press #,save the fingerprint, press # again ,it can enroll other finger continue. One user can enroll 10 fingerprints. Press * back to enroll select.

4, Enroll password

password Enter the number for password,press #, ether the same number again,press # finish ,press # save the password.two short sound. Press * back to enroll select.

5, Enroll card

If card number do not repeat, two short sound ,press # save and back enroll select

6, Card enroll continuous

Swipe card continue until there are not any new card. it save the card automatic. Press * **back** enroll begin.

Attendance machine warranty instructions

Warranty Statement

1、Warranty Certificate

Please keep the warranty card properly. If the warranty card is lost, please do not reissue it. Please keep the invoice and relevant valid purchase certificate, and present it with the machine failure repair. If you are unable to provide the warranty card (requires stamp with the dealer)) or related purchase vouchers, the product warranty date will be based on the product serial number corresponding to the date of production plus one month as a voucher.

2、Warranty Regulations

This product has been warranted for one year from the date of sale, and the product quality problem occurs under normal conditions.

The company will be entitled to a repair fee if it falls into the following factors:

- (1) There is no "three guarantees" certificate or missing valid invoice or more than the validity period of the "three guarantees" service;
- (2) Damage caused by human factors, including damage caused by non-normal working environment and not used according to the instructions;
- (3) Damage caused by the disassembly of the authorized service provider of our company;
- (4) The damage caused by the sale of this product;
- (5) Damage caused by force majeure (such as floods, fires, earthquakes, lightning strikes, etc.);
- (6) There is no "Attendance Machine Warranty Card" and valid purchase certificate, or the product body code and warranty card code are inconsistent or altered;
- (7) Wear for normal use.

3、This warranty policy applies only to the product warranty for the attendance machine series sold in China.

The above terms and conditions are reserved by the company.