

Programming Step	Keystroke Combination	LED	Code ID range:
Enter Program Mode	* Admin Code #	Red shines	VISITOI USEIS ID
Add Card/ PIN Users			Add provimity cord
Add Card User: By Card	1# (Read Card)		Add proximity card
Add Card User: By Card	1# (Input 8/10 digits card	Orange	Programming Step
Number	number) #	bright	Enter Program Mode
Add PIN Users	1# (4~6 digits PIN) #		Add proximity cards
Add Fingerprint Users			sequentially
Add Fingerprint User:	1# (Fingerprint) (Press	Orange	Exit Program Mode
By Fingerprint	each fingerprint 3 times)	bright	Nete: The ID number r

Programming Step	Keystroke Combination	LED
Enter Program Mode	* Admin Code #	Red shines
Add Card/ PIN Users		
Add Card User	10# ID# (Read Card)	
Add Card User: By Car Number	d 10# ID# (Input 8/10 digits card number) #	Orange bright
Add PIN Users	10#ID# (4~6 digits PIN) #	
Add Fingerprint User	s	
Add Fingerprint User: By Fingerprint	11# ID# (Fingerprint) (Press each fingerprint 3 times)	Orange bright
lote: 1. The ID number usually useless you should inpu	is a number assigned to each u s. But when you want to delete s it the ID number or card numbe	ser and it is pecific user r.
 When adding us automatically fit 	sers, the ID number will be assi rom small to big.	gned
3. Add fingerprin	t users: Every fingerprint shou	ld be

print ID range: 1-100 or 1-500, User Card or 1-9988, Anti-duress users ID: 9989、9990 range: 9991-10000.

ds sequentially numbered

Programming Step	Keystroke Combination	LED
Enter Program Mode	* Admin Code #	Red shines
Add proximity cards sequentially numbered	10# (Input the first ID number) # (card quantity) # (The first card number) #	Orange bright
Exit Program Mode	*	Red bright
Note: The ID number	must be empty and successive.	

Programming Step	Keystroke Combination	LED
Enter Program Mode	* Admin Code #	Red shine
Add Visitor Card	10# ID# (1~9)# Read Card	Orange
Add Visitor PIN	10# ID# (1~9)# (4~6 digits PIN)#	bright
Exit Program Mode	*	Red brigh

Joloto Lleor

elete usel		
Programming Step	Keystroke Combination	LED
Enter Program Mode	* Admin Code #	Red
Delete Card User: By Card	2# (Read Card)	
Delete User: By Fingerprint	2# (Fingerprint)	Orange
Delete Card User: By Card number	2# (Input 8/10 digits card number) #	bright
Delete PIN User	2# (4~6 digits PIN) #	
	08	

Delete Card/ PIN User: By ID number	20# (Input ID number) #	
Delete All Card/ PIN User	20# (Admin Code) #	0.000.000
Delete Fingerprint User: By ID number	21# (Input ID number) #	bright
Delete All Fingerprint User	21# (Admin Code) #]
Delete All User	2# (Admin Code) #]
Exit Program Mode	*	Red
Note: User Fingerprint ID ran ID range: 1-9988, Anti-dures	nge: 1-100 or 1-500, User Car s users ID: 9989、9990, Visito	d or Code or users

Change the user code

Standby mode	* ID# old code # new code # new code #
Exit the programming mode	Automatically exit when change done

Pulse Mode and Toggle Mode Setting

Programming Step Keystroke Combination LED Enter Program Mode * Admin Code # Red shine Access Time Setting 3# (0~180) # (Factory defaulti grupped) Orange bright Set Toggle Mode 3# 9999# Orange bright			
Enter Program Mode * Admin Code # Red shine Access Time Setting 3# (0-180) # (Factory default is Pulse Mode) Orange bright Set Toggle Mode 3# 9999# Orange bright	rogramming Step	LED	stroke Combination LED
Access Time Setting 3# (0~180) # (Factory default is Pulse Mode) Orange bright Orange	nter Program Mode	Red shine	min Code # Red shines
Set Toggle Mode 3# 9999#	ccess Time Setting	is Orange)~180) # (Factory default is e Mode) Orange
	et Toggle Mode	bright	999#
Exit Program Mode * Red brigh	xit Program Mode	Red brigh	Red bright
Note: 1. Pulse Mode and Toggle Mode, you only can choose one. 2. Factory default is Pulse Mode, and access time is 5 seconds. 0 seconds=100MS.	te: 1. Pulse Mode an 2. Factory defau seconds. 0 se	choose one. me is 5	ggle Mode, you only can choose one. Pulse Mode, and access time is 5 s=100MS.
Pulse Mode: The door will be closed automatically after opening the door for a while.	 Pulse Mode: opening the de 	itically after	loor will be closed automatically after or a while.

Toggle Mode: Under this mode, after opening the door, the door won't be closed automatically until next valid user input. That's means whether open or close the door, you must swipe valid card or input valid fingerprint.

09

detection

detection

Exit Program Mode

Red shines

Access Mode Setting Programming Step Keystroke Combination LED Enter Program Mode * Admin Code # Open door by card 4# 0#

)pen door by code	4# 1#]
Open door by Fingerprint	4# 2#	Orange
)pen door by card+ code	4# 4#	bright
)pen door by multi-user	4# (42~49) #	
Open door by card or code or Fingerprint	4# 3# (Factory Default)	
xit Program Mode	*	Red bright
ote: The number of Multi-U user number is set to 9 continuously to access valid user should be le device will exit to stand operation the red led li	ser access can be set to 2- t, it should input 9 different s, and the time interval of in ss than or equal 10s. If tim by mode automatically. D ght shines.	~9. If the valid users putting two eout, the uring the

Alarm output Time Setting (Factory default is 1 minute) Programming Step Keystroke Combination LED Enter Program Mode * Admin Code # Red shines Set alarm time 30# (0-3)# Orange bright Exit Program Mode * Red bright Note: Alarm time range: 1~3 minutes, 0: Turn off alarm. and it cludes door contact alarm, tamper alarm, and the time alarm of safe mode. Door Detection Setting

	3	
Programming Step	Keystroke Combination	LED
Enter Program Mode	* (Admin Code) #	Red shines
To disable door detection	50# 0# (Factory Default)	Orange
To enable door detection	50# 1#	bright
	10	

	aroution	
tus	LED	Buzzer
е	Red light bright	
lode	Red light shines	
lode	Orange light bright	
	Green light bright	One beep
ed		Three beeps

Administrator's Code, Fingerprint and Card

	Function
	Enter into Program Mode
rint/Card	Add User Rapidly
	Delete User Rapidly

Programming Step Keystroke Combination LED Enter Program Mode * Admin Code # Red shines 0# (New Admin Code) # Orange bright Modify Admin Code (Repeat New Admin Code) # (Repeat New Admin Code) # (Factory Default is 123456)

Red bright Note: The Admin Code can be any 6 digits and the admin must keep

Set Factory Default and Set Admin Card/ Fingerprint

Press and hold the exit button, power on, release it after two beeps. Swipe the admin card, press the admin fingerprint 3 times, the red led on with one beep, the factory default setting done. And the admin card/ admin fingerprint added successfully.

The admin card/ admin fingerprint has the function of adding/

04

1. Reset to factory default, the users' information won't be deleted. If you don't want to add admin card/fingerprint: press and hold the Exit Button for 5 seconds, release it until hear one long beep and the red light bright.

Tuya app Smart phone unbinding tuyດີ wifi

Programming Step Keystroke Combination LED Enter Program Mode * Admin Code # Red shines WiFi unbinding 90# (Admin Code) # Orange brigh Exit Program Mode * Red bright Note: 1.WiFi unbinding: with this operation, the device will disconnect with all the smart phones, the phone can't control the device at the time.

STANDALONE MODE -Connection Diagram Special Power Supply



DC Power Supply

Attention: Install a 1N4004 or equivalent diode is needed when use a common power supply, or the reader might be damaged. (1N4004 is included in the packing).



Step 3: Read Admin card or press Admin fingerpr

Step 1: Read Admin card or press Admin fingerp

Step 3: Read Admin card or press Admin fingerp

twice at the standby mode

06

again to end

Step 2: Read user cards or press fingerprint (Repeat step 1 for additional users)



Sound and Light mode Setting To enable door not closed 51#0# Orange bright ^d 51# 1# (Factory Default * Red bright Note: After enable the door detection function, you must cor the detection switch into the wiring. There will be two detection status: 1. The door is opened by valid user, but not closed in 1 minute the device will beep. How to stop the warnings: Close the door/valid user/ Automatically stop when the alarm time is up. 2. If the door opened by force, the device and external alarm will activate. How to stop the alarm: Valid user/Automatically stop when the alarm time is up.

Safe Mode Setting	

Programming Step	Keystroke Combination	LED
Enter Program Mode	* Admin Code #	Red shines
Close safe Mode	5#0#(Factory default)	
Lockout Mode	5# 1#	Orange bright
Alarm output Mode	5# 2#	
Exit Program Mode	*	Red bright
Note: Lockout Mode: If swipe card/input fingerprint with invalid users for 10 times in 10 minute, the device will be lockout for 10 minutes. When in Lockout Mode press the Evil Button		

10 minutes. ut Mode, press the Exit Buttor can open the door. Alarm Output: If swipe card/input fingerprint with invalid

users for 10 times in 10 minute, the device will beep and external alarm will activate. The valid user can remove the

11

Programming Step	Keystroke Combination	LED
Enter Program Mode	* Admin Code #	Red shines
Control Sounds: OFF ON	6# 0# 6# 1# (Factory Default)	
Control Red LED: OFF ON	60# 0# 60# 1# (Factory Default)	Orange
Control Keypad LED: OF ON Intelligent keyboard ligh	F 61#0# 61#1#(Factory Default) t 61#2#	bright
Anti-tamper Alarm: OFF ON	52# 0# (Factory Default) 52# 1#	
Exit Program Mode	*	Red bright
Data transmission of us	er card & user code	
Data and the second second	Kenneders has O such in stillers	150

Programming Step Keystroke Combination LED

e e i	-	
Enter Program Mode	* Admin Code #	Red shines
Enter the menu	9# 1#	Orange bright
Exit Program Modo	4	Dod bright

rogram Mode Red bright Note: (Only support copy user of card and code) 1. The two devices must be the device produced by us and support

this function. 2. The two devices have the same admin code

3. Connect the Wiegand cable of the two devices and power on For example:

For device A and B, they have the same admin code. Add a new card & code user to the device A. Device B has no user. Connect the Wiegand cable of device A and B, then power on. Do the operation of * admin code # 9# 1# on device A. The green led of the two devices flash. The device A is sending the user data to device B.

12

WIEGAND READER MODE -**Connection Diagram**

again to end



Set standalone / Wiegand reader mode

Programming Step	Keystroke Combination	LED
Enter Program Mode	* Admin Code #	Red shines
Standalone Mode	8#0#(Factory Default)	Orange
Wiegand reader Mode	8# 1#	bright
Exit Program Mode	*	Red bright
Note: In wiegand reader mode, brown wire control the Green LED,		

Wiegand Format Setting (Factory Default: EM 26 bit, Mifare 34 bit. Password 4 bit)

rogramming Step	Keystroke Combination	LED
nter Program Mode	* Admin Code #	Red
/iegand check code: OFF ON	7# 0# 7# 1# (Factory Default)	
assword Wiegand Format	70# (0# or 4# or 8#)	
M Wiegand format	71# (26# ~ 44#)	Orange
lifare Wiegand format	72# (26#~44#, 56#, 58#)	bright
xit Program Mode	*	Red
ote: (1) 10 Digits Virtual Ca ess "#", output a 10-bit de	ard Number: Input 4~6 digits P cimal card number. For examp	IN, le,

input password 999999, the output card number is 0000999999 13

N

(2) Each key press sends 4 bits data, the corresponding relationship is 1 (0001) 2 (0010) 3 (0011) 4 (0100) 5 (0101) 6 (0110) 7(0111) 8(1000) 9(1001) *(1010) 0(0000) #(1011)

- (3) Each key press sends 8 bits data, the corresponding relationship is 1 (1110 0001) 2 (1101 0010) 3 (1100 0011) 4 (1011 0100) 5(1010 0101) 6(1001 0110) 7(1000 0111) 8(0111 1000) 9 (0110 1001) * (0101 1010) 0 (1111 0000) # (0100 1011)

Interlock for two doors, this function usually apply in the places with high safety. For example, there are two doors name A and B in the passage. You access door A with card, and then you cannot access door B with the card until door A closed. That is to say: both of the doors should be closed, then you can swipe your card

on one of ment.		
Programming Step	Keystroke Combination	LED
Enter Program Mode	* Admin Code #	Red shines
Close Interlock Mode	80#0# (Factory Default)	Orange
Enable Interlock Mode	80# 1#	bright
Exit Program Mode	*	Red bright

Note: The Door Contact must be installed, or this function cannot be Wiring diagram of Interlock



FCC Caution:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- -- Reorient or relocate the receiving antenna.
- -- Increase the separation between the equipment and receiver.
- -- Connect the equipment into an outlet on a circuit different
- from that to which the receiver is connected.
- -- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.