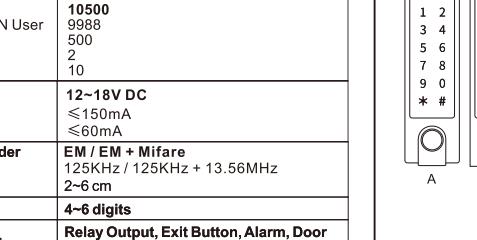
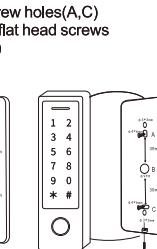


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<b>WIEGAND READER MODE</b>	<b>14</b>	<b>ADVANCED APPLICATION</b>	<b>12</b>
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<b>PIN Length</b>	<b>15</b>	<b>Features</b>	> Capacitiv > Metal case > Waterproof > PIN length > EM card: > EM card: > Can be us > Card block > Tri-color L > Integrated > Pulse mode > User data > 2 devices > Built-in lig > Backlit key
<b>Proximity</b>	<b>16</b>	<b>Specifi</b>	User Capa Common Fingerpr Panic Us Visitor U
<b>Working</b>	<b>17</b>	<b>Operati</b>	Operati Working Idle Cur
<b>Read Ra</b>	<b>18</b>	<b>Proximity</b>	Proximity Radio Tec Read Ra
<b>Wiring Co</b>	<b>19</b>	<b>PIN Length</b>	PIN Length

<b>Introduction</b>	
It is a single door multifunction standalone access controller or a lock reader. It uses Atmel MCU assuring stable performance. It is very user-friendly, and low-power circuit makes it long lasting.	
It can be made with Bluetooth version or with WiFi version.	
<p>The fingerprint sensor, Touch key    Anti-theft, anti-vandal    IP66, conforms to IP66    4~6 digits    EM+ Mifare cards optional    Wiegand 26~44 bits input &amp; output    Card: Wiegand 26~44bits, 56bits, 58bits input &amp; output    It is used as Wiegand reader with LED &amp; buzzer output    Enrollment    ED status display    alarm &amp; buzzer output    Mode, Toggle mode    It can be transferred (except fingerprint users)    It can be interlocked for 2 doors    Light dependent resistor (LDR) for anti tamper    Keypad, can set automatic OFF after 20 seconds</p>	
<b>Options</b>	
Card/PIN User	10500 9988 500 2 10
<b>Voltage</b>	<b>12~18V DC</b>
Current	≤150mA ≤60mA
<b>Card Reader</b>	<b>EM / EM + Mifare</b> 125KHz / 125KHz + 13.56MHz 2~6 cm
Technology	
Range	
<b>Display</b>	<b>4~6 digits</b>
<b>Connections</b>	<b>Relay Output, Exit Button, Alarm, Door Contact, Wiegand Input, Wiegand Output</b>
<b>Relay</b> Adjustable Relay Output Lock Output Load	
<b>Wiegand Interface</b>	
<b>PIN Output</b>	
<b>Environment</b> Operating Temperature Operating Humidity	
<b>Physical</b> Colour Dimensions	
<b>Unit Weight</b> Shipping Weight	
<b>Carton Inventory</b>	
	

<p>unit the screws and one hole for the cable to the screw holes(A,C) wall with 4 flat head screws hole(B)</p> 	<b>Sound and Light Indication</b>			
	<b>Operation Status</b>	<b>LED</b>		
Stand by	Red light bright			
Enter into programming mode	Red light shines			
In the programming mode	Orange light bright			
Operation error	—			
Exit from the Programming mode	Red light bright			
Open lock	Green light bright			
Alarm	Red light Shines			
<b>Basic Configure</b> -----				
<b>Enter and Exit Program Mode</b>				
<b>Programming Step</b>	<b>Keystroke Command</b>			
Enter Program Mode	* (Master Code)			
Exit Program Mode	* (Master Code)			
<b>Set Master Code</b>				
<b>Programming Step</b>	<b>Keystroke Command</b>			
1. Enter Program Mode	* (Master Code)			
2. Update Master Code	0 (New Master Code)			
3. Exit Program Mode	* (Master Code)			
<b>Set the Working Mode</b>				
Notes: The device has 3 working modes: Standalone Mode, Wiegand Reader Mode, choose the mode you use. (Standalone Mode / Controller Mode)				
<b>Programming Step</b>	<b>Keystroke Command</b>			
1. Enter Program Mode	* (Master Code)			
2. Standalone/Controller Mode OR	7 7 # (Factory Default)	(Factory Default)		
2. Wiegand Reader Mode	7 8 #			
3. Exit	* (Master Code)			

**STANDALONE MODE**

The device can work as Standalone Access Control for single door (Factory default mode) -- 77 #

**Connection Diagram**

**Common Power Supply**

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

**Access Control Power Supply**

   	<p><b>Programming</b>      Programming will be vary depending on access configuration. Follow the instructions according to your access configuration.</p> <p><b>Notes:</b></p> <p>&gt; <b>User ID number:</b> Assign a user ID to the access fingerprint/ card/ PIN in order to track it.</p> <p>&gt; <b>User ID number:</b>      The Common Card/PIN User ID: 1~9988      Panic User ID: 9989~9990      Visitor User ID: 9991~10000      Fingerprint User ID: 10001~10500</p> <p><b>IMPORTANT:</b> User IDs do not have to be proceeded with any leading zeros. Recording of User ID is critical. Modifications to the user require the User ID be available.</p> <p>&gt; <b>Proximity Card:</b>      Proximity Card: EM card/ EM+ Mifare cards</p> <p>&gt; <b>PIN:</b> Can be any 4~6 digits.</p> <p><b>Add Common Users</b>      (Fingerprint user ID:10001~10499; PIN/ Card user ID:1~9988; PIN length: 4~6 digits)</p> <table border="1" data-bbox="3687 691 4109 999"> <thead> <tr> <th data-bbox="3687 691 3905 718">Programming Step</th><th data-bbox="3905 691 4109 718">Keystroke Combination</th></tr> </thead> <tbody> <tr> <td data-bbox="3687 718 3905 743">1. Enter Program Mode</td><td data-bbox="3905 718 4109 743">* (Master Code) #</td></tr> <tr> <td colspan="2" data-bbox="3687 743 4109 759"><b>Add Fingerprint User</b></td></tr> <tr> <td data-bbox="3687 759 3905 801">2. Using Auto ID (Allows the device to assign Fingerprint to next available User ID number)</td><td data-bbox="3905 759 4109 801">1 (Fingerprint) (Repeat Fingerprint) (Repeat Fingerprint again) Fingerprints can be added continuously.</td></tr> <tr> <td data-bbox="3687 801 4109 817"><b>OR</b></td><td data-bbox="3905 801 4109 817"></td></tr> <tr> <td data-bbox="3687 817 3905 844">2. Select Specified ID (Allows Master to define a specific User ID to associate the fingerprint to)</td><td data-bbox="3905 817 4109 844">1 (User ID) # (Fingerprint) (Repeat Fingerprint) (Repeat Fingerprint again) Fingerprints can be added continuously.</td></tr> </tbody> </table>	Programming Step	Keystroke Combination	1. Enter Program Mode	* (Master Code) #	<b>Add Fingerprint User</b>		2. Using Auto ID (Allows the device to assign Fingerprint to next available User ID number)	1 (Fingerprint) (Repeat Fingerprint) (Repeat Fingerprint again) Fingerprints can be added continuously.	<b>OR</b>		2. Select Specified ID (Allows Master to define a specific User ID to associate the fingerprint to)	1 (User ID) # (Fingerprint) (Repeat Fingerprint) (Repeat Fingerprint again) Fingerprints can be added continuously.
Programming Step	Keystroke Combination												
1. Enter Program Mode	* (Master Code) #												
<b>Add Fingerprint User</b>													
2. Using Auto ID (Allows the device to assign Fingerprint to next available User ID number)	1 (Fingerprint) (Repeat Fingerprint) (Repeat Fingerprint again) Fingerprints can be added continuously.												
<b>OR</b>													
2. Select Specified ID (Allows Master to define a specific User ID to associate the fingerprint to)	1 (User ID) # (Fingerprint) (Repeat Fingerprint) (Repeat Fingerprint again) Fingerprints can be added continuously.												

<b>Add Card User</b>	
2. Using Auto ID (Allows the device to assign Card to next available User ID number)	<b>1 (Read Card) / (Input 8/10/17 Digits Card Number) #</b> The cards can be added continuously.
<b>OR</b>	
2. Select Specific ID (Allows Master to define a specific User ID to associate the card to)	<b>1 (User ID) # (Read Card) / (Input 8/10/17 Digits Card Number) #</b>
<b>Add PIN User</b>	
2. Select Specific ID (Allows manager to define a specific User ID to associate the PIN to)	<b>1 (User ID) # (PIN) #</b>
3. Exit	*
<b>Tips for PIN Security (Only valid for 6 digits PIN):</b>	
For higher security we allow you to hide your correct PIN with other numbers up to a max of 10 digits.	
Example PIN: 123434 You could use **(123434) ** or ** (123434) (** can be any numbers from 0-9)	
<b>Add Master Fingerprint (By Specified ID:10500)</b>	
<b>Programming Step</b>	<b>Keystroke Combination</b>
1. Enter Program Mode	* (Master Code) #
1. Add Master Fingerprint	<b>1 (10500) # (Fingerprint) (Repeat Fingerprint) (Repeat Fingerprint again)</b>
3. Exit	*

<b>anic Users (Valid for Card/ PIN Users)</b>		<b>Delete Users</b>
Number is 9989,9990 PIN length: 4~6 digits)		<b>Programming Step</b>
Programming Step	<b>Keystroke Combination</b>	1. Enter Program Mode
er Program Mode	<b>* (Master Code) #</b>	2. Delete User - By Fingerprint/ Card
d Card	<b>1 (User ID) # (Read Card / Input 8/10 /17 Digits Card number) #</b>	<b>OR</b>
d PIN	<b>1 (User ID) # (PIN) #</b>	2. Delete User - By
t	<b>*</b>	<b>OR</b>
<b>istor Users (Valid for Card/ PIN Users)</b>		2. Delete User - By
Number is 9991~10000 PIN length: 4~6 digits)		<b>OR</b>
There 10 groups Visitor PIN/card available, the users can be specified up times of usage, after a certain number of times, i.e. 5 times, the PIN/card is invalid automatically.		2. Delete ALL Users
		3. Exit
<b>amming Step</b>		<b>Set Relay Configu</b>
<b>er Program Mode</b>		The relay configura
Card	<b>* (Master Code) #</b>	<b>Programming Step</b>
PIN	<b>1 (User ID) # (0~9) # (Read Card) / (Input 8/10/17 Digits Card Number) #</b>	1. Enter Program M
:	<b>1 (User ID) # (0~9) # (PIN) # (0~9 means times of usage, 0=10 times)</b>	2. Pulse Mode
	<b>*</b>	<b>OR</b>
<b>je PIN Users(PIN length: 4~6 digits)</b>		2. Toggle Mode
<b>amming Step</b>		3. Exit
<b>Keystroke Combination</b>		<b>Set Access Mode</b>
Below is done outside programming mode, users can undertake themselves		For Multi user access exceed 5 seconds,
PIN	<b>* (User ID) # (Old PIN) # (New PIN) # (Repeat New PIN) #</b>	<b>Programming Step</b>
		1. Enter Program M
		2. Card Access
		<b>OR</b>
		2. PIN Access
		<b>OR</b>
		2. Fingerprint Acces

Step	Keystroke Combination
Mode	* (Master Code) #
Card	2 (Input Fingerprint)/ (Read Card) # The users can be deleted continuously.
ID number	2 (User ID ) #
Card number	2 (input 8/10/17 Digits Card Number) #
	2 (Master Code) #
	*

Step	Keystroke Combination
Mode	* (Master Code) #
	3 (1~99) # (factory default) The relay time is 1-99 seconds. (Default is 5 seconds)
	3 0 # Sets the relay to ON/OFF Toggle mode
	*

Step	Keystroke Combination
Mode	* (Master Code) #
	4 0 #
	4 1 #
	4 2 #

		2 Multi Use		
		<b>OR</b>		
2 Fingerprint Access				
3 Exit				
		<b>Set Strike-</b> The strike-on It can be set after entering		
<b>Simplified Instruction</b>				
<b>Function Description</b>	<b>Operation</b>			
Enter the Programming Mode	* - Master Code - # then you can do the programming (123456 is the factory default master code)			
Change the Master Code	<b>0 - New Code - # - Repeat the New Code - #</b> (code: 6 digits)			
Add Card User	<b>1 - Read Card - #</b> (can add cards continuously)			
Add Fingerprint User	<b>1-Fingerprint- Repeat Fingerprint- Repeat Fingerprint Again- #</b>			
Add PIN User	<b>1 (User ID) - PIN - #</b> (The PIN is any 4-6 digits)			
Delete User	<b>2-Fingerprint- #</b> <b>2-Read Card- #</b> <b>2-User ID- #</b>			
Exit from the Programming Mode	*			
<b>How to release the door</b>				
Fingerprint User	Input Fingerprint			
Card User	Read Card			
PIN User	Input PIN #			
20240330_V2				
<b>Program</b>				
1. Enter P				
<b>2. Strike-On</b>				
<b>OR</b>				
2. Strike-On				
<b>OR</b>				
2. Strike-On				
<b>Set Alarm</b>				
3. Exit				
<b>Set Door Control</b>				
Door Open				
When use with lock, if the control buzzer will be stopped, continue to				
<b>Door Force</b>				
When use with lock, if the control is will both, it will continue				

User Access	4 3 (2~9) # (Only after 2~9 valid users, the door be opened)
Print or Card or PIN	4 3 # (factory default)
	*
<b>Out Alarm</b>	
Out alarm will engage after 10 failed entry attempts (Factory is OFF). To deny access for 10 minutes after engaging or disengage only using a valid Fingerprint/ card/ PIN or Master code/ fingerprint/ card.	
<b>ming Step</b>	<b>Keystroke Combination</b>
rogram Mode	* (Master Code) #
ut OFF	6 0 # (factory default)
ut ON	6 1 # Access will be denied for 10 minutes (Exit button is still workable)
ut ON (Alarm)	6 2 #
rm Time	5 (0 ~ 3) # (factory default is 1 minute) Enter Master Code # or Master Fingerprint / Card or valid user fingerprint / card / PIN to silence
	*
<b>Open Detection</b>	
<b>Too Long (DOTL) Detection</b>	
With an optional magnetic contact or built-in magnetic contact of the door is opened normally, but not closed after 1 minute, the inside beep automatically to remind people to close the door. The beep can be stopped by closing the door, master users or valid users, or else, it will beep the same time with the alarm time set.	
<b>and Open Detection</b>	
With an optional magnetic contact or built-in magnetic contact of the door is opened by force, the inside buzzer and external alarm (if there operate, they can be stopped by master users or valid users, or else, due to sound the same time with the alarm time set.	
<b>Programming Step</b>	
1. Enter Program Mode	
2. Disable Door Open D	
OR	
2. Enable Door Open D	
Set Alarm Time	
3. Exit	
<b>The function of Set Alarm</b>	
<b>Set Audible and Visua</b>	
<b>Programming Step</b>	
1. Enter Program Mode	
2. Disable Sound	
Enable Sound	
OR	
2. LED Always OFF	
LED Always ON	
OR	
2. Keypad Backlit Always	
Keypad Backlit Always	
Keypad Backlit Auto	
3. Exit	
<b>Master Fingerprint/ Card</b>	
Using Master Fingerprint	
Add Fingerprint/ Card/	

	<b>Keystroke Combination</b>
	<b>* (Master Code) #</b>
etection	<b>6 3 #</b> (factory default)
etection	<b>6 4 #</b>
	<b>5 (0 ~ 3) #</b> (factory default is 1 minute)
	<b>*</b>

**Time** also apply for anti-tamper alarm

<b>al Response</b>	<b>Keystroke Combination</b>
	<b>* (Master Code) #</b>
	<b>7 0 #</b>
	<b>7 1 #</b> (factory default)
	<b>7 2 #</b>
	<b>7 3 #</b> (factory default)
	<b>7 4 #</b>
	<b>7 5 #</b>
ys OFF	<b>7 6 #</b> (factory default)
ys ON	Automatic OFF after 20 seconds, it will
matic OFF	go ON by pressing any key (this key isn't taken into consideration)
	<b>*</b>

**Card Usage**

Print/ Card to add and delete users

<b>PIN Users</b>	<ol style="list-style-type: none"> <li>1. Input <b>(Master Fingerprint / Card)</b></li> <li>2. Input <b>(Fingerprint three times)</b> or <b>(Card)</b> or <b>(User ID#PIN#)</b> Repeat step 2 for additional users</li> <li>3. Input <b>(Master Fingerprint / Card)</b> again</li> </ol>
------------------	--

**Users Operation & Reset to Factory Default**

> **Open the door:** Read valid user ID or valid user PIN #

> **Remove Alarm:** Enter Master Code or valid user finger

> **To reset to factory default & Add Master Card:**  
Button, hold it and power on, there will be a button, the LED light turns into yellow. 13.56MHz Mifare card, the LED will turn on successfully. Of the card reading, it will be successful.

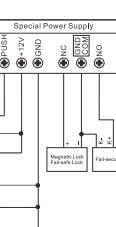
**Remarks:**

- ① If no Master Card added, must press the card before release.(this will make the problem)
- ② Reset to factory default, the user's information will be lost.

**CONTROLLER MODE**

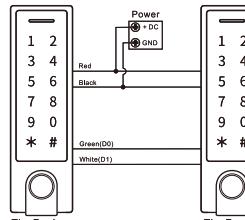
The device can work as Controller, connect to PC (Factory default mode) --- 7 7 #

**Connection Diagram**

1. Input (Master Fingerprint/ Card Twice within 5s)	Attention: Install a 1N4004 or equivalent diode is needed between the power supply, or the reader might be damaged. (1N4004)	
2. Input (Fingerprint) or (Card) or (User ID#)	Please set the Wiegand input formats according to the external Reader.	
Repeat step 2 for additional users		
3. Input (Master Fingerprint/ Card) again		
<b>Memory Default</b>		
fingerprint or user card or input		
Card # or Master Fingerprint/ Card or		
Print / card / PIN		
<b>Master Card:</b> Power off, press the Exit		
be two beeps, then release the exit		
now, then read any 125KHz EM card		
turn into red, means reset to factory default		
s is the Master Card.		
Press the Exit Button for at least 5 seconds		
Previous registered Master Card invalid)		
Information is still retained.		
Connected with the external Wiegand reader.		
		
<b>Programming Step</b>		
1. Enter Program Mode	Keystroke Code	
2. Wiegand Input Bit	* (Master Card)	
3. Disable Parity Bit	For EM Cards (factory default)	
Enable Parity Bit	For Mifare Cards (factory default)	
4. Exit	8 0 # 8 1 # (factory default)	
<b>Note:</b> For connecting Wiegand readers with 32, 40, 56 bits, need disable parity bits.		
<b>Programming</b>		
<b>&gt; Basic Programming is the same as Standalone</b>		
<b>&gt; There are some exceptions for your attention:</b>		
<b>The device Connected with External Card Reader</b>		
- If EM/Mifare card reader: users can be added/ deleted by the device or external reader.		
- If HID card reader : users can only be added/ deleted by the reader.		
<b>The device Connected with Fingerprint Reader</b>		
For example:		
Connect SF1 as the fingerprint reader to the device.		
Step 1: Add the Fingerprint (A) on SF1 (Please refer to the previous section)		
Step 2: Add the same Fingerprint(A) on the device.		
1   Enter Program Mode: * (Master Code) #		
2   1 (Press Fingerprint A once on SF1) # (ID)		
<b>OR</b>		
2   1 (User ID) # (Press Fingerprint A on SF1)		
3   Exit: *		

eeded when use a common 004 is included in the	<b>The device Connected with Keypad Reader</b> The keypad reader can be 4 Bits, 8 Bits (ASCII), or 10 Bits output Choose the below operation according to the PIN output format of
the Wiegand output format	<b>Programming Step</b>
<b>Combination</b> ode) #	<b>Keystroke Combination</b>
1: 8 (26~ 44) # It is 26bits)	1. Enter Program Mode      * (Master Code) #
ard: 8 0 (26~44, 56, 58) # It is 34bits)	2. PIN input bits      8 (4 or 8 or 10) # (factory de
( default)	3. Exit      *
56 bits output,	<b>Remarks:</b> 4 means 4 bits, 8 means 8 bits, 10 means 10 digits virtu
<b>Mode</b>	<b>&gt; Add PIN Users:</b> To add PIN users, after enter into programming mode on the de
er leted on either the	PIN(s) can be input/ added on either the device or the external Keypad Reader.
leted on external	<b>&gt; Delete PIN Users:</b> the same way as add users.
to SF1 manual)	<b>WIEGAND READER MODE</b> ————— The device can work as Standard Wiegand Reader, connected to Controller --- 7 8 #
auto allocated)	<b>Connection Diagram</b>
# (Select specific ID)	

format. of your reader.  default is 4 bits)  al number.  vice,  the third party	<p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>&gt; When set into Wiegand Reader mode, nearly all settings in Controller Mode will become invalid, and Brown &amp; Yellow wires will be redefined as below:           <ul style="list-style-type: none"> <li>- Brown wire: Green LED light control</li> <li>- Yellow wire: Buzzer control</li> </ul> </li> <li>&gt; If you need to connect Brown/Yellow wires: When the input voltage for LED is low, the LED will turn into Green; and when the input voltage for Buzzer is low, it will sound.</li> </ul>												
	<p><b>Set Wiegand Output Formats</b></p> <p>Please set the Wiegand output formats of Reader according to the Wiegand input formats of the Controller.</p>												
	<table border="1"> <thead> <tr> <th>Programming Step</th><th>Keystroke Combination</th></tr> </thead> <tbody> <tr> <td>1. Enter Program Mode</td><td>* (Master Code) #</td></tr> <tr> <td>2. Wiegand output bits</td><td> <b>For EM Card: 8 (26~44) #</b>            (factory default is 26bits)  <b>For Mifare Card: 8 0 (26~44, 56, 58) #</b>            (factory default is 34bits)         </td></tr> <tr> <td>PIN output bits</td><td> <b>8 (4 or 8 or 10) #</b> (factory default is 4 bits)         </td></tr> <tr> <td>3. Disable Parity Bit Enable Parity Bit</td><td> <b>8 0 #</b>  <b>8 1 #</b> (factory default)         </td></tr> <tr> <td>4. Exit</td><td></td></tr> </tbody> </table>	Programming Step	Keystroke Combination	1. Enter Program Mode	* (Master Code) #	2. Wiegand output bits	<b>For EM Card: 8 (26~44) #</b> (factory default is 26bits) <b>For Mifare Card: 8 0 (26~44, 56, 58) #</b> (factory default is 34bits)	PIN output bits	<b>8 (4 or 8 or 10) #</b> (factory default is 4 bits)	3. Disable Parity Bit Enable Parity Bit	<b>8 0 #</b> <b>8 1 #</b> (factory default)	4. Exit	
Programming Step	Keystroke Combination												
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PIN output bits	<b>8 (4 or 8 or 10) #</b> (factory default is 4 bits)												
3. Disable Parity Bit Enable Parity Bit	<b>8 0 #</b> <b>8 1 #</b> (factory default)												
4. Exit													
	<p><b>Note:</b> For connecting Wiegand controller with 32, 40, 56 bits input, need disable parity bits.</p>												
	<h2>ADVANCED APPLICATION</h2>												
	<p><b>Collection Card Mode</b></p> <p>After this mode is turned on, all cards can open the lock. At the same time, the card is added to the device.</p> <table border="1"> <thead> <tr> <th>Programming Step</th><th>Keystroke Combination</th></tr> </thead> <tbody> <tr> <td>1. Enter Program Mode</td><td>* (Master Code) #</td></tr> <tr> <td>2. Collection Card Mode OFF <b>OR</b></td><td><b>9 2 #</b> (factory default)</td></tr> <tr> <td>2. Collection Card Mode ON</td><td><b>9 3 #</b></td></tr> <tr> <td>3. Exit</td><td>*</td></tr> </tbody> </table>	Programming Step	Keystroke Combination	1. Enter Program Mode	* (Master Code) #	2. Collection Card Mode OFF <b>OR</b>	<b>9 2 #</b> (factory default)	2. Collection Card Mode ON	<b>9 3 #</b>	3. Exit	*		
Programming Step	Keystroke Combination												
1. Enter Program Mode	* (Master Code) #												
2. Collection Card Mode OFF <b>OR</b>	<b>9 2 #</b> (factory default)												
2. Collection Card Mode ON	<b>9 3 #</b>												
3. Exit	*												
	<p style="text-align: center;">- 15 -</p>												

User Information Transfer (Valid for Card / PIN Users)	Conn
The device supports the User Information Transfer function, and the enrolled user (cards, PINs) can be transferred from one (let's name it Master Unit) to another (let's name it Accept Unit).	
<b>Connection Diagram:</b>	
	
<b>Remarks:</b>	
<ul style="list-style-type: none"> <li>&gt; The Master units and Accept units must be same series devices.</li> <li>&gt; The Master Code of the Master Unit and the Accept Unit must be set to the same.</li> <li>&gt; Program the transfer operation on Master Unit only.</li> <li>&gt; If the Accept Unit is already with the users enrolled, it will be covered after transferring.</li> <li>&gt; For full users enrolled, the transfer takes about 30 seconds.</li> </ul>	
<b>Set Transferring on Master Unit:</b>	
<b>Programming Step</b>	<b>Keystroke Combination</b>
1. Enter the programming mode	* (Master Code) #
2. Set transferring	9 8 #
Within 30 seconds, Green LED shines, after one beep, the LED will turn into Red, which means the users' information has been transferred successfully.	
3. Exit	*
<b>Interlock</b>	
The device supports the Interlock Function. It is of two Devices for two doors, and mainly used for banks, prisons, and other places where a higher level security is required.	
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**Section Diagram:**

The diagram illustrates the wiring connections for a door access control system. It shows the following connections:

- DC Power Supply:** DC+ (Red) connects to Pin 1 (Red) and Pin 2 (Blue & Black). Pin 3 (Blue & Black) connects to Pin 4 (Blue & Black) and Pin 5 (Green & Black). Pin 6 (Green & Black) connects to Pin 7 (Green & Black) and Pin 8 (NO).
- Exit Button:** Pin 9 (NO) connects to Pin 10 (NO). Pin 11 (NC) connects to Pin 12 (NC).
- Pad-locks:** Pin 13 (Pad-lock Lock) connects to Pin 14 (Pad-lock Lock).
- Magnetic Locks:** Pin 15 (Magnetic Lock Pad-lock Lock) connects to Pin 16 (Magnetic Lock Pad-lock Lock).
- Door Contacts:** Pin 17 (Door Contact) connects to Pin 18 (Door Contact).
- Door Contact Interlock:** A dashed box labeled 'Diode Wiring Diagram' contains a circuit with a diode (D1) and a resistor (R1) connected between the two door contact lines.
- Other Connections:** Pin 19 (OPEN) connects to Pin 20 (OPEN). Pin 21 (COM) connects to Pin 22 (COM). Pin 23 (GND) connects to Pin 24 (GND). Pin 25 (D\_IN) connects to Pin 26 (D\_IN).

**Diode Wiring Diagram:**

**Outdoors (Big)**

**Works:** The Door Contact must be installed and connected as the diagram.  
**Name the two Devices as "A" and "B" for two doors "1"?"**

**1:**  
 the users on Device A, then transfer the users' information to  
 B by "User Information Transfer" function.

**2:**  
 Both of the two Devices (A and B) to Interlock function

Programming Step	Keystroke Combination
Enter Program Mode	* (Master Code) #
Selectable Interlock	9 0 # (factory default)
Selectable Interlock	9 1 #
it	*

**Interlock:** When and only door 2 is closed, the user can read the valid print/card or input PIN on Reader A, door 1 will open; then when and only closed, read valid fingerprint/card or input PIN on Reader B, door 2 will

# **or FingerKey & Reader**

User Capacity: 10000+500)