

Controller --- 7 8 #

Connection Diagram

> Basic Programming is the same as Standalone Mode

If EM/Mifare card reader: users can be added/deleted on either the

- If HID card reader: users can only be added/deleted on external

Step 1: Add the Fingerprint (A) on SF1 (Please refer to SF1 manual) Step 2: Add the same Fingerprint(A) on the device:

1 (Press Fingerprint A once on SF1) # (ID auto allocated

1 (User ID) # (Press Fingerprint A on SF1) # (Select specific ID)

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The device Connected with External Card Reader

The device Connected with Fingerprint Reader

connect SF1 as the fingerprint reader to the device.

Enter Program Mode: + (Master Code) #

device or external reader.

The device can work as Standard Wiegand Reader, connected to the third party

> When set into Wiegand Reader mode, nearly all settings in Controller Mode

will become invalid, and Brown & Yellow wires will be redefined as below:

When the input voltage for LED is low, the LED will turn into Green; and when

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Brown wire: Green LED light control

If you need to connect Brown/Yellow wires:

the input voltage for Buzzer is low, it will sound.

Yellow wire: Buzzer control

Brown ⊕ LED

ADVANCED APPLICATION —

2. Collection Card Mode ON 93#

After this mode is turned on, all cards can open the lock. At the same time, the card is added to the device.

he device supports the User Information Transfer function, and the enrolled

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user (cards, PINs) can be transferred from one (let's name it Master Unit) to

* (Master Code) #

Programming Step Keystroke Combination

Collection Card Mode OFF 92# (factory default)

Collection Card Mode

Enter Program Mode

User Information Transfer

> The Master units and Accept units must be same series devices.

For full 1000 users enrolled, the transfer takes about 30 seconds

Programming Step Keystroke Combination

ithin 30 seconds, Green LED shines, after one beep, the LED will turn into

Red, which means the users' information has been transferred successfully.

f the Accept Unit is already with the users enrolled, it will be covered after

Program the transfer operation on Master Unit only.

Set Transferring on Master Unit:

Remarks: The Door Contact must be installed and connected as the diagram

f enable interlock, when and only door 2 is closed, the user can read the valid

fingerprint/card or input PIN on Reader A, door 1 will open; then when and only

door 1 closed,read valid fingerprint/card or input PIN on Reader B, door 2

Keystroke Combination

9 0 # (factory default)

* (Master Code)#

Let's name the two Devices as "A "and "B" for two doors "1"

Enroll the users on Device A then transfer the users' information to

Set both of the two Devices (A and B) to Interlock function

Programming Step

. Disable Interlock

uzer will beep automatically to remind people to close the door. The beep can e stopped by closing the door, master users or valid users, or else, it will intinue to beep the same time with the alarm time set.

hen use with an optional magnetic contact or built-in magnetic contact of th

rogramming Step Keystroke Combination

. Disable Door Open Detection 6 3 # (factory default)

The function of **Set Alarm Time** also apply for anti-tamper alarm

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. Enable Door Open Detection 64#

if the door is opened by force, the inside buzzer and external alarm (if there

* (Master Code) #

5 (0 ~ 3) # (factory default is 1 minute)

s) will both operate, they can be stopped by master users or valid users, or else, t will continue to sound the same time with the alarm time set.

oor Forced Open Detection

Set Alarm Time

Master Card Usage

Delete Card/ PIN Users

ing Master Card to add and delete users

Users Operation & Reset to Factory Default

> Open the door: Read valid user card or input valid user PIN #

> Remove Alarm: Enter Master Code # or Master Card or valid user

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2. Input (Card) or (PIN #)

Repeat step 2 for additional u 3. Input (Master Card) again

I. Input (Master Card Twice

Input (Master Card) again

within 5s)
2. Input (Card) or (PIN#)
Repeat step 2 for additional users

NC Green & Black

OPEN® Yellow

D_IN Brown

D0 Green

GND Black

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

COM White & Black

° - + + ⊕ GND ®

⊕ GN

→ D0

⊕ D1

+12V

fagnetic + - NC

master code)

1 - PIN -#

1 - Read Card -#

2 - Read Card - # 2 - PIN - #

Change the Master Code

How to release the door

Exit from the Programming Mode *

Add Card User

Add PIN User

Delete User

0 - New Code - # - Repeat the New Code - # (code: 6 digits)

