

#### Set Strike-out Alarm

The strike-out alarm will engage after 10 failed entry attempts (Factory is OFF). It can be set to deny access for 10 minutes after engaging or disengage only after entering a valid card/PIN or Master code.

Programming Step	Keystroke Combination
1. Enter Program Mode	* (Master Code) #
2. Strike-Out OFF OR	6 0 # (factory default)
2. Strike-Out ON OR	61# Access will be denied for 10 minutes
2. Strike-Out ON (Alarm)	6 2 # 5 (0 ~ 30) # (factory default is 1 minute)
Set alarm time	Enter Master code # or valid user card / PIN to silence
3. Exit	*

Programming Step	Keystroke C	ombination
1. Enter Program Mode	* (Master Co	ode)#
Control Sounds     OR     Control LED     OR     Control Keypad Backlit	OFF = 7 0 # OFF = 7 4 # OFF = 7 6 #	ON = 71# ON = 75# ON = 77# (Factory defaults are ON)

# Set Card Reading Type (This step can only be applied to HID & EM version)

Programming Step	Keystroke Combination
Enter Program Mode	* (Master Code) #
2. Read HID & EM card OR	93# (factory default)
2. Read EM card ONLY OR	94#
2. Read HID card ONLY	95#
3. Exit	*

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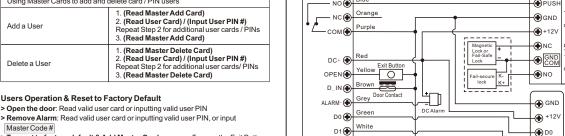
Using Master Cards to a	add and delete card / PIN users
Add a User	(Read Master Add Card)     (Read User Card) / (Input User PIN #)     Repeat Step 2 for additional user cards / PINs     (Read Master Add Card)
Delete a User	(Read Master Delete Card)     (Read User Card) / (Input User PIN #)     Repeat Step 2 for additional user cards/ PINs     (Read Master Delete Card)

Users Operation & Reset to Factory Default > Open the door: Read valid user card or inputting valid user PIN

Master Code # > To reset to factory default & Add Master Cards: power off, press the Exit Button, hold it and power on, there will be two beeps, and the LED light turns into vellow. release the exit button, then read any two 125KHz EM cards or HID cards, the LED will turn into red, means reset to factory default successfully. Of the two cards

If no Master Cards added, must press the Exit Button for at least 10 seconds before

Reset to factory default, the user's information is still retained.



Connection Diagram

GND Black

Programming Step

or external reader.

1. Enter Program Mode

Programming > Basic Programming is the same as Standalone Mode

> There are some exceptions for your attention:

The SK2/SK5 connected with Enternal Card Reader:

Attention: Install a 1N4004 or equivalent diode is needed when use a common power

If EM card reader or HID card reader: users can be added/deleted on either the SK2/SK

If Mifare reader: users can only be added/deleted on external reader.

Keystroke Combination

8 (26~37) # (factory default is 26 bits)

\* (Master Code) #

SK2/SK5

reading, the 1st one is Master Add Card, the 2nd one is the Master Delete Card.

**Set Wiegand Input Formats** Please set the Wiegand input formats according to the Wiegand output format of the external Reader.

## CONTROLLER MODE ----

he SK2/SK5 can work as Controller, connected with the external Wiegand reader. (Factory default mode)---7 2 #

\_ 11 -

## The SK2/SK5 connected with Fingerprint Reader:

nnect F2 as the fingerprint reader to the SK2/SK5, it is of two steps to enroll the valid

Step 1: Add the Fingerprint (A) on F2 Step 2: Add the same Fingerprint(A) on the SK2/SK5:

Enter Program Mode: \* (Master Code)# 1 (Press Fingerprint A once on F2) # (ID auto allocated) 1 (User ID) # (Press Fingerprint A on F2) # (Select specific ID)

The SK2/SK5 connected with Keynad Reader

The keypad reader can be 4 Bits, 8 Bits (ASCII), or 10 Bits output format. Choose the below operation according to the PIN output format of your reader. Keystroke Combination Programming Step

\* (Master Code)# 2. Wiegand input bits 8 (4 or 8 or 10) # (factory default is 4 bits

Remarks: 4 means 4 bits, 8 means 8 bits, 10 means 10 digits virtual number.

To add PIN users, after enter into programming mode on the SK2/SK5, PIN(s) can be input/added on either the SK2/SK5 controller or the external Keypad Reader.

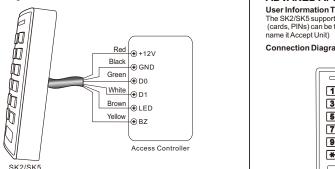
> Delete PIN Users: the same way as add users.

WIEGAND READER MODE -The SK2/SK5 can work as Standard Wiegand Reader, connected to the third party Controller--- 73#

The EM version reads EM card only, while the HID & EM version can be set to read HID & EM cards, or HID card only, or EM card only. Factory default card type of the HID & EM card, if you want to change the type, please set the SK2/SK5 to Standalone Mode (72#) and then set the type. (See page 11 for setting card type).

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#### Connection Diagram



When set into Wiegand Reader mode, nearly all settings in Controller Model will become invalid. And Brown & Yellow wires will be redefined as below: - Brown wire: Green LED light control

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.

### **Set Wiegand Output Formats** Please set the Wiegand output formats of Reader according to the Wiegand intput formats of the Controller.

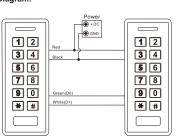
Programming Step \* (Master Code) # Enter Program Mode 8 (26~37) # (factory default is 26 bits) 2. Wiegand output bits 8 (4 or 8 or 10) # (factory default is 4 b

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#### ADVANED APPLICATION ——

User Information Transfer The SK2/SK5 supports the User Information Transfer function, and the enrolled use (cards, PINs) can be transferred from one (let's name it Master Unit) to another (let's

Connection Diagram:



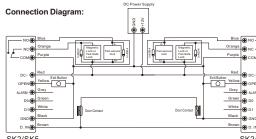
>The Master units and Accept units musht be SK2/SK5 or S-X series or Sboard. > The Master Code of the Master Unit and the Accept Unit must be set to the same. > Program the transfer operation on Master Unit only.

> If the Accept Unit is already with the users enrolled, it will be covered after transferring.

# Set Transferring on Master Unit:

Programming Step	Keystroke Combination	
Enter the programming mode	* (Master Code)#	
2. Set transferring	96#	
Within 3 minutes, Green LED shines, after one beep, the LED will turn into Red, which means the users' information has been transferred successfully.		
3. Exit	*	

The SK2/SK5 supports the Interlock function. It is of two keypads for two doors and mainly used for banks, prisons, and other places where a higher level security is required.



## Remarks: The Door Contact must be installed and connected as the diagram. Let's name the two Keypads as "A "and "B" for two doors "1" and "2" Enroll the users on Keypad A, then transfer the users' information to Keypad E

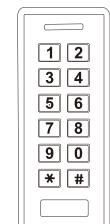
by "User Information Transfer" function.

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

Programming Step Keystroke Combination \* (Master Code) # 90# (factory default) 2. Interlocked-ON
3. Exit

The interlock operation is finished. When and only door 2 is closed, the user can read the valid card or input PIN or Keypad A, door 1 will open; then when and only door 1 closed, read valid card or input PIN on Keypad B, door 2 will open.

Access Controller / Reader



9 0  $(((\Box)))$ 

SK5 SK2

User Manual