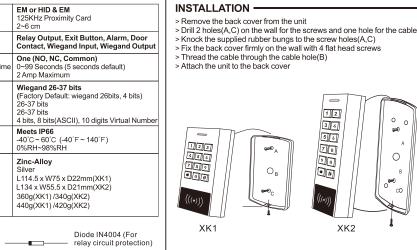
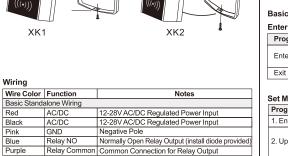


Wall Anchors

Screws: Φ4*25mm

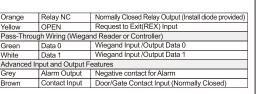
Screw Driver

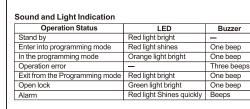




-03-

NC COM NO +12V GND PUSH





asic Configure			
nter and Exit Program mode			
Programming Step	Keystroke Combination		
Enter Program Mode	* (Master Code) # (Factory default is 123456)		
Exit Program Mode	*		

Programming Step	Keystroke Combination
Enter Program Mode	* (Master Code) #
2. Update Master Code	0 (New Master Code) # (Repeat New Master Code) # (Master code is any 6 digits)
3. Exit Program Mode	*

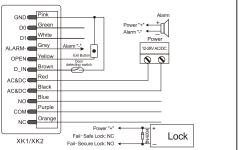


Programming Step	Keystroke Combination
Enter Program Mode	* (Master Code) #
2. Standalone/Controller Mode OR	7 2 # (Factory default)
Wiegand Reader Mode	73#

The XK1/XK2 can be worked as Standalone Reader for single door.

Factory default mode)---7 2 # Connection Diagram Common Power Supply

STANDALONE MODE—



supply, or the keypad might be damaged. (1N4004 is included in the packing)

k: NO	→	LOCK	> Proximity Card :
			EM version: 125 KHz industry standard 26
			HID & EM version: 125 KHz industry stand

Programming Step	Keystroke Combination
Enter Program Mode	* (Master Code) #
Add Card User	
2. Add Card: Using Auto ID (Allows the XK1/KK2 to assign Card to next available User ID number) OR	continuously.
Add Card: Select Specific ID (Allows Master to define a specific User ID to associate the card to) OR	1 (User ID) # (Read Card) # (User ID is any number from 0-
2. Add Card: by Card Number OR	1 (Input 8/10 digits Card num
2. Add Card: Block Enrolment (Allows Master to add up to 998 cards to the Reader in a single step) Takes 2 minutes to program.	1 (User ID) # (Card quantity] # (The first card number) # Cards' number must be consected quantity = number of card be enrolled.

Programming
Programming will vary depending on access confirmination

ramming will vary depending on access confirguration. Follow the
actions according to your access configuration.

NC COM NO +12V SND

Alarm*-- Alarm

tes:	
lear ID number	

COM

XK1/XK2

NC Orange

➤ **User ID number**: Assign a user ID to the access card / PIN in order to track it. The common user ID number can be any number fom 0~997, the panic user ID is from 998~999. IMPORTANT: User IDs do not have to be proceeded with any leading zeros. Recording of User ID is critical. Modifications to the user require the

ndard 26bits HID & EM cards Install a 1N4004 or equivalent diode is needed when use a common power > PIN: Can be any 4~6 digits except 8888 which is reserved

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2. Add PIN:

Add Common Users

Enter Program Mode	* (Master Code) #		
d Card User			
Add Card: Using Auto ID lows the XK1/XK2 to assign Card to kt available User ID number)	1 (Read Card) # The cards can be added continuously.		
Add Card: Select Specific ID lows Master to define a specific er ID to associate the card to)	1 (User ID) # (Read Card) # (User ID is any number from 0~997)		
Add Card: by Card Number	1 (Input 8/10 digits Card number) #		
Add Card: Block Enrolment lows Master to add up to 998 cards he Reader in a single step) Takes ninutes to program.	1 (User ID) # (Card quantity) # (The first card number) # Cards' number must be consecutive; Card quantity = number of cards to be enrolled.		

t. Add PIN: Using Auto ID Allows the XK1/XK2 to assign PIN to lext available User ID number)	1 (PIN)# The PINs can be added continue (PIN: 4~6 digits)
2. Add PIN: Select Specific ID Allows manager to define a specific Jser ID to associate the PIN to)	1 (User ID) # (PIN) # The user ID is any number from 0~997.
F-34	

Programming Step

* (Master Code) # 1 (User ID) # (Read Card / Input 8/10 digits Card number) # 1 (User ID) # (PIN) # Delete All User

Set Relay Configuration

Change PIN Users

Programming Step

Delete Card User - Commor

Delete PIN User - Common

Delete Panic Card User

Delete Panic PIN User

Delete PIN – By ID number

2. Delete PIN – By PIN

Delete Panic User

2. Delete Card – By Card OR

2. Delete Card – By ID number OR The cards can be 2 (User ID) #

2. Delete User – By Card number 2 (Input 8/10 digits Card number) #

2 (User ID) #

2 (User ID) #

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Frogramming Step	Josep Reystroke Combination		the penaviour of the output relay on activation.
Note: Below is done outside programming mode, users can undertake this themselves		Programming Step	Keystroke Combination
1. Change PIN: By Card (There will * (Read Card) (Old PIN) # (New PIN)	Enter Program Mode	* (Master Code)#	
auto allocate PIN (8888) to cards when adding)	# (Repeat New PIN) # * (User ID) # (Old PIN) # (New PIN) # Repeat New PIN) #	2. Pulse Mode OR	3 (1-99) # (factory default) The relay time is 1-99 seconds.
2. Change PIN: By User ID		2. Toggle Mode	(1 is 50mS.) (Default is 5 seconds)
3. Exit	*		Set the relay to ON/OFF Toggle mo
		3. Exit	*
			•

Set Access Mode

For Multi cards/PINs access mode, the interval time of reading cards/inputting PINs can not exceed 5 seconds, or else, the XK1/XK2 will exit to standby

	Programming Step	Keystroke Combination	
	Enter Program Mode	* (Master Code) #	
	Card access OR Card + PIN access	40#	
	OR 2. Card or PIN access OR	42#	
	2. Multi cards/PINs access	4 3 (2~9) # (Only after reading 2~9 cards or input 2~9 PINs, the door can be opened)	
1	3. Exit	*	

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Simplified Instruction		
Function Description	Operation	
Enter the Programming Mode	* - 123456 - # then you can do the programming (123456 is the factory default master code)	
Change the Master Code	0 - New Code - # - Repeat the New Code - # (code: 6 digits)	
Add Card User	1 - Read Card -# (can add Cards continuously)	
Add PIN User	1 - PIN - #	
Delete User	2 - Read Card - # for Card User 2 - PIN - # for PIN User	
Exit from the Programming Mode	*	
How to release the door		
Card User	Read Card	
PIN User	Input PIN#	

It can be set to deny access for 10 minutes after engaging or disengage only * (Master Code) # 60# (factory default) Strike-Out OFF Strike-Out ON 61# Access will be denied for 10 2. Strike-Out ON (Alarm) 6 2 # 5 (0 ~ 3) # (factory default is 1 minute) Enter Master code # or valid user card / PIN to silence Set alarm time

The strike-out alarm will engage after 10 failed entry attempts (Factory is OFF

et Audible and Visual Resp	onse	
Programming Step	Keystroke (Combination
Enter Program Mode	* (Master C	Code)#
2. Control Sounds OR	OFF = 70#	ON = 7 1 #
2. Control LED OR	OFF = 74#	ON = 7 5 #
2. Control Keypad Backlit	OFF = 76#	ON = 77# (Factory defaults are O
2 Evit	a.	

2. Control Keypad Backill	OF.	r=/0#	(Factory defaults are ON
3. Exit	*		
et Card Reading Type (This ersion)	step ca		
Programming Step		Keystro	ke Combination
Enter Program Mode		* (Mast	er Code) #
2. Read HID & EM card OR		93# (fa	actory default)
2. Read EM card ONLY		94#	
OR			
2. Read HID card ONLY		95#	

Master Cards Usage

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

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

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 lig 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 reading, the 1st one is Master Add Card, the

2nd one is the Master Delete Card. ① If no Master Cards added, must press the Exit Button for at least 10 seconds ② Reset to factory default, the user's information is still retained.

CONTROLLER MODE— The XK1/XK2 can work as Controller, connected with the external Wiegand reader. (Factory default mode)---7 2 #

> There are some exceptions for your attention: The XK1/XK2 connected with External Card Reader: - If EM card reader or HID card reader: users can be added/delete

Set Wiegand Input Formats Please set the Wiegand input formats according to the Wiegand output of the external Reader. Programming Step * (Master Code) # 8 (26~37) # (factory default is 26 b > Basic Programming is the same as Standalone Mode

GND Pink Wiegand reader

AC&DC Red

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

power supply, or the reader might be damaged. (1N4004 is included in the

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

D1 White D1
ALARM- Grey Exit button GND

AC&DC Black

XK1/XK2 or external reader

COM Purple

The XK1/XK2 connected with Fingerprint Reader: onnect F2 as the fingerprint reader to the XK1/XK2, it is of two steps to enroll

he valid fingerprint. Step 1: Add the Fingerprint (A) on F2 Step 2: Add the same Fingerprint(A) on the XK1/XK2: Enter Program Mode: * (Master Code) # 1 (User ID) # (Press Fingerprint A on F2) # (Select specific ID)

The XK1/XK2 connected with Keypad 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 reade Programming Step Keystroke Combination

2. Wiegand input bits 8 (4 or 8 or 10) # (factory default is 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 XK1/XK2, PIN(s)

can be input/ added on either the XK1/XK2 controller or the external Keypad

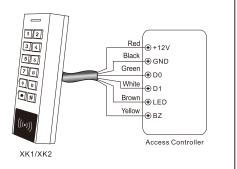
* (Master Code) #

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

WIEGAND READER MODE -The XK1/XK2 can work as Standard Wiegand Reader, connected to the third

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 version is HID & EM cards, if you want to change the type, blease set the XK1/XK2 to Standalone Mode (7 2 #) and then set the type. (See page 11 for setting card type).

onnection 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 Yellow wire: Buzzer 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.

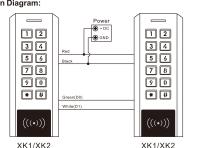
Programming Step

gand output bits output bits	8 (26~37) # (factory default is 26 b 8 (4 or 8 or 10) # (factory default is	
	*	
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* (Master Code) #

ADVANCED APPLICATION ——

User Information Transfer
The XK1/XK2 supports the User Information Transfer function, and the enrolle user (cards, PINs) can be transferred from one (let's name it Master Unit) to another (let's name it Accept Unit) Connection Diagram:



The Master units and Accept units must be XK1/XK2 or SK2/SK5 or S-X series or

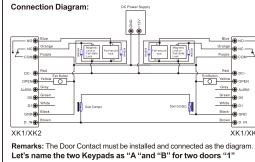
The Master Code of the Master Unit and the Accept Unit must be set to the same. Program the transfer operation on Master Unit only. > If the Accept Unit is already with the users enrolled, it will be covered after

For full 1000 users enrolled, the transfer takes 3 minutes.

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	4	

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Interlock
The XK1/XK2 supports the Interlock funciton. It is of two keypads for two doors, and mainly used for banks, prisons, and other places where a
higher level security is required.



and "2"
Step 1:
Enroll the users on Keypad A, then transfer the users' information to
Keypad B by "User Information Transfer" function.

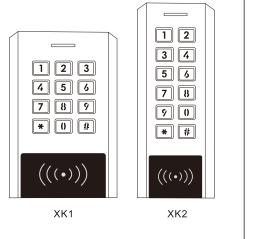
Set both of the two Keypads (A and B) to Interlock function

Programming Step	Keystroke Combination
Enter Program Mode	* (Master Code) #
2. Interlocked-OFF DR	9 0 # (factory default)
2. Interlocked-ON	91#
3. Exit	*

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

Waterproof Standalone/Controller/Reader



User Manual