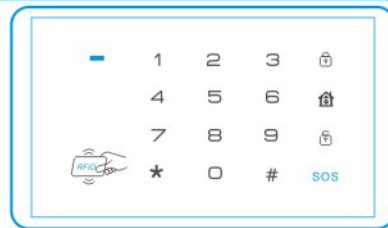


# K16 Wireless Keyboard

Version 1.0 2015.03

## User Guider



## 1. Introduction

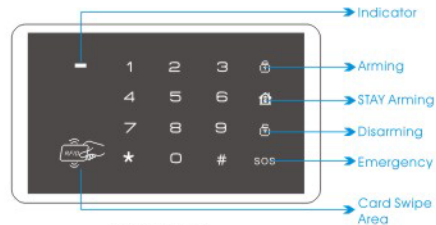
This is a new wireless keyboard which integrate the function of RFID card and touch button with stable performances. It is easy to operate and install. After the success code match with alarm panel, it can open the door, arm/disarm and tamper alarm etc. It is widely used in factories, construction sites, hotels, enterprises, residential buildings and other places.

## 2. Features

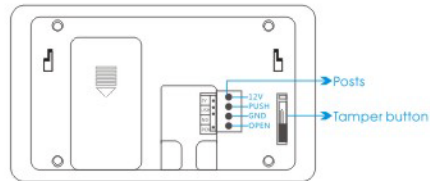
- ◆ Swipe RFID card to open the door and disarm
- ◆ Read EM 125K low-frequency card, and 40 cards can be stored
- ◆ World-class code mode without messy code
- ◆ Anti-temperature and humidity change, safe, stable and reliable
- ◆ Low battery reminder function
- ◆ Tamper alarm function

## 3. Appearance

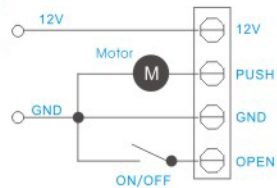
(1)



Front View



Back View



Connection Diagram

(2)

## 4. Indication Message

- (1). Keyboard back-light: lit after the button being pressed
- (2). Red LED: light once in a short time after right press, blink 3 times quickly after wrong press or card swipe, light for 1s when transmitting signal.
- (3). Blue LED: light for 1s when the door is opened or swipe card rightly; light constantly after inputting password rightly.
- (4). Low battery indication: when the battery is low, keyboard will beeps "di di di" every 10s.

## 5. Function Introduction

### 5.1 Wireless Keyboard Function Setting

- (1). Learn RFID card: there are 40 zones in wireless keyboard and each zone only can learn one RFID card. Press 123456#, wireless keyboard enters setting state with blue LED light, then press 001# to learn the first card, swipe the card, it beeps "di" which means the code match successfully. If the zone had been learned before, it beeps "di di di"; To learn the second card, press 002# and swipe it. It can learn 40 cards at most. Press key **【\*】** **【#】** to exit setting state.

- (2). Set door open period: It has door open by swiping card function while in AC power supply. The door open period can be set from 0-9s, if 7s is set, which means the door open period is 7s after swiping the card, and the door will close automatically after 7s. The factory default is 5s. Note: when the keyboard is powered by battery, it has no door open by swiping card function; And wireless keyboard couldn't read the card at standby state, it's need to be activated by touching the button before reading the card.



- (3). Set Arm Delay period: the arm delay period can be set from 0-250s. If user set the delay period as 60s, wireless keyboard beeps "di" and blinks every one second, and it won't send the arm signal until beeps 59 times.

- (4). Set one key SOS switch: if it's ON, then user can long press key SOS for 3s to send emergency signal without any password input. Or user needs to input password before pressing key SOS. The factory default is ON.

- (5). Set key tone switch: the wireless keyboard key tone can be set as ON or OFF. If it's ON, then it will beeps "di" and blinks while pressing the key; or it will not beep only blinks. The factory default is ON.

- (6). Set disarm by swiping card switch: wireless keyboard can send disarm signal by swiping card. And it can be set as ON or OFF. If it's ON, then the door will be open and send the disarm signal as well while swiping card. Or

only the door open and will not disarm the alarm. The factory default is ON.

(7). Set user password: the user password is 4 digits, and the factory default is 1234 which can be changed; After inputting user password, user only can do the following 4 operation: arm/disarm/STAY/SOS, and the method is 1234  or 1234# .

(8). Set administrator password: the factory default administrator password is 123456. After inputting administrator password, except arm/disarm/STAY/SOS, user can make other setting operation, please refer to the chart below.

(9). Restore factory default setting: after operation of factory default restore, except the RFID card learned, all other function will be back to the factory default state.

(10). Compulsory Cleaning Setting: After the operation of compulsory cleaning, all the RFID card learned will be deleted, and all functions will restore to factory default state.

(11). Super password: In the case of user and administrator password are forgotten, enter super password can restore the administrator password as 123456 while other setting being unchanged. Super password has no other function except recover administrator password. The method: press the door open button and hold on while entering 123456#, and then

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release the door open button at last.

Regarding the specific operation of wireless keyboard, please refer to the chart below. The operation format is: **【 Administrator Password 】 + 【 Command 】 + parameters + end sign**. All commands begins with administrator password and 123456 in the commands below is the initial password of alarm. If user has changed the administrator password, then the password should be the changed one, or alarm panel will not response to the commands.

No.	Name	Administrator Password	Command No.	Parameter	End Sign	Example
1	Learn RFID Card	123456#	0	01~40 01-40 Zone	#	123456#005# Learn RFID card in zone 05
2	Delete RFID Card	123456#	1	01~40 Zone	#	123456#105# Delete the RFID card in Zone 05
	Delete all RFID cards	123456#	1	**	#	123456#1**# Delete all RFID cards
3	Set door open period	123456#	2	0-9s	#	123456#23# Set door open period as 3s
4	Set arm delay period	123456#	3	0~250s	#	123456#360# Set arm delay period as 60s
5	Set one key SOS switch	123456#	4	1--ON 0--OFF	#	123456#41#Set one key SOS ON

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6	Set key tone switch	123456#	5	1--ON 0--OFF	#	123456#51#Set key tone ON
7	Set swiping card to disarm switch	123456#	6	1--ON 0--OFF	#	123456#61#Set swiping card to open the door and disarm signal
8	Set user password	123456#	7	4 digits	#	123456#79876#Set user password as 9876
9	Set administrator password	123456#	8	6 digits	#	123456#8987654#Set administrator password as 987654
10	Restore factory default set	123456#	9	898	#	123456#9898#Restore factory default set
11	Compulsory cleaning set	123456#	9	899	#	123456#9899#Compulsory cleaning set

## 5.2 Match Code with Alarm Panel

First let alarm panel enter remote control learning state, then operate Arm/Disarm on the wireless keyboard, wireless keyboard sent code match signal while alarm panel beeps "di di" and voice prompts "study correct" which means the successful study, if beeps "di" then means code match repeatedly.

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After the successful match code between wireless keyboard and alarm panel, it can make the operations below:

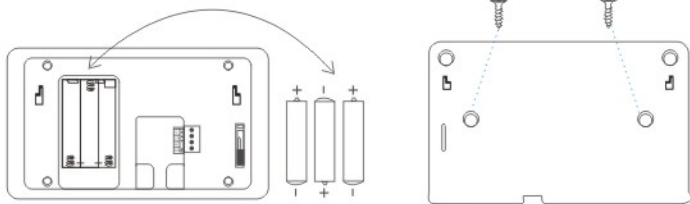
Wireless Keyboard	Alarm Panel
User password/administrator password + 	Alarm panel: arm
User password/administrator password + 	Alarm panel: arm STAY
User password/administrator password + 	Alarm panel: disarm
User password/administrator password + <b>SOS</b>	Alarm panel: emergency alarm
Press key <b>SOS</b> for 3s	Alarm panel: emergency alarm
Swipe RFID card (can be set if to send disarm signal)	Alarm panel: disarm/not disarm

## 6. Installation Diagram

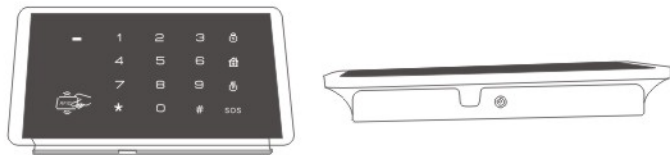
Procedure:

(1). Put in battery, check whether wireless keyboard can work normally.

(8)



(2). Select installation position, then put hanging board on the position, and put screw through the round hole on the hanging board.



(3). Align to the two buttons on hanging board, push down the wireless

(9)

keyboard until there is no cracks and dislocation between wireless keyboard and hanging board, then the installation is completed.

### Split Method:

In the process of using, to clear up the keypad, it needs to split the keypad from the hanging board. The specific method: push down the keypad to stagger the host and buttons of the hanging board, then the host is removed.

## 6. Technical Parameters

1. Working Voltage: 3 AAA battery/DC12V
2. Working Current: <100mA
3. Stand-by Current: <20uA
4. Modulation Mode:ASK
5. Working Frequency: 433MHz
6. Transfer Distance: 100m (Open Area)
7. Transfer Power:18DB
8. Environment Temperature: -20°C-55°C
9. Size: 156\*90\*20mm

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