

User Manual

Sboard-III

INTRODUCTION —

The Sboard-III is a mini single door control panel, can work with any Wiegand 26~44, 56, 58, 64 bits output reader, it uses Atmel microcontroller to assure stable performant and equips with an infrared remote control for easy operation. The Sboard-III support 999 users, all user data can be transferred.

> 999 users, user data can be transferred.

- Multi access modes: Card, Card or PIN, Card with PIN.
 Can connect with any reader with Wiegand 26~44, 56, 58, 64 bits. Can connect with any keypad reader with 4bit, 8bits (ASCII).
- > Can connect with external alarm and door contact

Specifications

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User Capacity	999
Operating Voltage	12~28V AC/DC <20mA
Relay Adjustable Relay Output Time Lock Output Load	One (No, NC, Common) 0~300 Seconds (5 seconds default) 2 Amp Maximum
Wiegand Interface	Wiegand 26~44, 56, 58, 64 bits input
Environment Operating Temperature Operating Humidity	Indoor -20°C ~ 60°C (-4°F ~ 140°F) 0~90%RH
Physical Colour Dimensions Unit Weight Shipping Weight	ABS Shell Black L91 x W48 x D20 (mm) 63g 73g



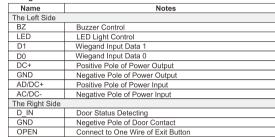
Carton Inventory 4 5 6 * 0 # Sboard-III

Diode IN4004 (For relay circuit protection) Self Tapping Screws: Ф3*25mm

Wall Anchors Screw Driver

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INSTALLATION — Infrared keyboard receiving window



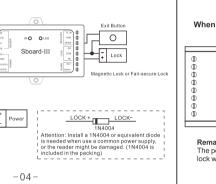
Normally Open Relay Output (install diode provided) Negetive Pole of Lock

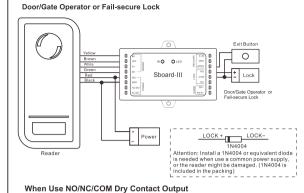
Negetive Pole of Lock
(Common Connection for Relay Output)
Normally Closed Relay Output (install diode provided)
Positive Pole of Alarm
Negetive Pole of Alarm

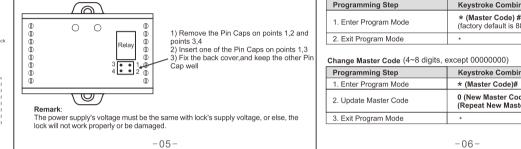
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How to Reset Sboard-III

Press the white "REST" button on the PCB for 5 seconds, then Green LED flashes 4 times and buzzer sounds 4 beeps, means reset successfully, after that, the device will

After resetting, the user information is still retained.

PROGRAMMING——

Programming will be vary depending on access configuration. Follow the instructions according to your access configuration.

 Remote Control: Please use the Infrared Remote Control to program the Sboard-III, "IR"on the Sboard-III is the infrared receiving window, please direct the Remote Control

• User ID number: Assign a user ID to the user in order to track it. The user ID number can be any number forn 1~999.

IMPORTANT: User IDs do not have to be proceeded with any leading zeros. Recording

of User ID is critical. • PIN: Can be any 1~8 digits except 00000000.

Enter and Exit Program Mode

	Programming Step	Keystroke Combination
	1. Enter Program Mode	* (Master Code) # (factory default is 888888)
	2. Exit Program Mode	*
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	Programming Step	Keystroke Combination
	Enter Program Mode	* (Master Code)#
	2. Update Master Code	0 (New Master Code) # (Repeat New Master Code) #
	3. Exit Program Mode	*
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Add Users with Remote Control

Sboard-III Connected with Card Reader:
For the readers develop together with Sboard-III, such as S series readers, skip below step 1; For other card readers, set the Sboard-III's Wiegand input as below step 1 ccording to the Wiegand output of the readers.

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Sboard-III Connected with Keypad Reader:

Can be any Keypad Reader with Alist, 8Bits (ASCII) output formart
For the readers develop together with Sboard-III, such as SK series readers, skip below
step 1; For other keypad readers, set the Sboard-III's Wiegand input as below step 1
according to the Wiegand output of the readers.
PIN(s) can be input / added on either the remote control or the external keypad.

Set Wiegand Input Format

set wiegand input i ormat	
Programming Step	Keystroke Combination
Enter Program Mode	* (Master Code) #
2. Exit Program Mode	8 (26~44, 56, 58, 64) # (factory default: 26bits)
3. Exit	*
Set PIN Input Format	
Programming Step	Keystroke Combination
Enter Program Mode	* (Master Code) #

8 8 # (8bits ASCII)

Disable/ Enable Parity Bit

Programming Step	Keystroke Combination
Enter Program Mode	* (Master Code) #
Disable Parity Bits Enable Parity Bits	8 0 # 8 1 # (factory default)
3. Exit	*

Add Card, PIN or Card + PIN Users

Programming Step	Keystroke Combination
Add Card User	
Enter Program Mode	* (Master Code) #
2. Add Card User by Reading the Card OR	1 1 (User ID) # (Read Card on External Reader)
Add Card by Card Number OR	1 1 (User ID) # (Input 8/10 digits Card number)#
2. Add Multiple Cards Continuously	1 2 (First User ID Number) # (Read Card Continuously)
Add PIN User	
Enter Program Mode	* (Master Code) #
2. Add PIN User	1 1 (User ID) # (Input PIN) #
Add Card + PIN User	
Enter Program Mode	* (Master Code) #
2. Add Card + PIN User	1 5 (User ID) # (Input PIN) # (Read Card or Input 8 or 10 Digits Card Number)

Sboard-III Connect with Fingerprint Reader For example:

onnect SF1 as the fingerprint reader to Sboard-III, two steps to enroll the valid fingerprint. (1)Add the fingerprint (A) on SF1 (follow the SF1 manual) (2)Add the same Fingerprint(A) on Sboard-III as below:

2 1 1 (User ID) # (Press Fingerprint A on SF1) # 2 1 1 (User ID) # (Input 8 Digits Fingerprint Virtual ID Number) # Fingerprint virtual ID number Example: Device number is 255, Fingerprint ID is 1, the input number will be 25500001 Device number is 1, Fingerprint ID is 1, the input number will be 00100001

1 Enter Program Mode: * (Master Code) #

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1. Enter Program Mode	* (Master Code) #
2. Delete User - By User ID	2 (User ID) #
OR	
2. Delete User - By Card	2 (Read Card on External Reader)
OR	
2. Delete User - By Card Number	2 (Input 8/10 Digits Card Number) #
OR	
2. Delete User - Delete All Users	2 (0000000) #
3. Exit	*
Note: Card+PIN user can be delete	d by any of these ways

Programming Step Keystroke Combination

Keystroke Combination
* (Master Code) #
3 1 (1~300) # (5 seconds default)
3 1 0 #
*
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External Keypad Backlight Working Mode (Optional function, need customize) Programming Step Keystroke Combination * (Master Code) # 5 1 1 # (factory default) 2. Always ON 2. Always OFF 512# 2. Automatic OFF after 60 seconds 513# (If the backlight is OFF, it will go ON by pressing any key, this key isn't taken into consideration)

Keystroke Combination

Set Door Open Too Long Detection (Need use with an external magnetic contact

1. Enter Frogram Wode	* (waster code) #
2. Enable Door Open Detection	711#A#B#C#
Disable Door Open Detection	7 1 2 # (factory default)
Notes A=1~300=The preset door open dura	ation in seconds before the alarm
B=1=Built-in buzzer ON while alarming	ng.

C=1=Enable external alarm output while alarming. C=2=Disable external alarm output while alarming.

B=2=Built-in buzzer OFF while alarming.

Programming Step

Door Forced Open Detection (Need use with an external magnetic contact)

Programming Step	Keystroke Combination
1. Enter Program Mode	* (Master Code) #
Enable Door Forced Open Detection Disable Door Forced Open Detection	7 2 1 # A # B # C # 7 2 2 # (factory default)
Notes A=1~300=Alarm time in seconds.	
B=1=Built-in buzzer ON while alarming. B=2=Built-in buzzer OFF while alarming.	
C=1=Enable external alarm output while C=2=Disable external alarm output while	•
3. Exit	*

Reset of the alarm: Close the door and after expiration of the programmed

Set Strike-out Alarm

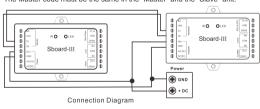
Reset of the alarm: Close the door or input a valid user.

e strike-out alarm will engage after 10 successive failed PINs/Cards/ Fingerprints Programming Step 1. Enter Program Mode 731#A#B#C# 2. Set Strike-out Alarm OFF 7 3 2 # (factory default) A=1~300=Blocking and alarm time in seconds. B=1=Built-in buzzer ON while alarming. B=2=Built-in buzzer OFF while alarming. C=1=Enable external alarm output while alarming.

C=2=Disable external alarm output while alarming.

Reset of the alarm: After expiration the programmed alarm time
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The enrolled user can be transferred from a "Master"unit to a "Slave" unit. The Master code must be the same in the "Master" and the "Slave" unit.



Remark: Master unit's "D1" connects to Slave unit's "D0" Master unit's "D0" connects to Slave unit's "D1"

Programming Step	Keystroke Combination
Enter Program Mode	* (Master Code) #
2. Operate on "Slave" unit	99#

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