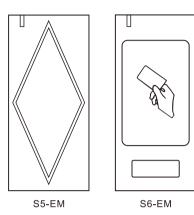
Metal Proximity Access Control



S5/S6-EM-Simplified Instruction

* (Master Code) #

master code)

code: 6 digits)

1 (Read Card) # (can add cards continuously)

2 (Read Card) #

Read card

123456 is the default factory

can delete cards continuously

0 (New Master Code) # (Repeat New Master Code)#

Function Description

Change the Master Code

Exit from the programming

How to be granted access

Add Card User

Delete Card User

Card User

Enter the Programming Mode

User Manual

INTRODUCTION -

S5/S6-EM is a compact, waterproof stand-alone programmable access control system that provides proximity entry for up to 2000 users. It uses Atmel microcontroller assures maximum performance in any environment, and the low-power circuit makes its service life prolonged. The product unique feature is simple in design, easy to operation, and high reliability.

Features:

- Waterproof, conform to IP66
- Vandal resistant metal enclosure
- · Read 125KHz EM card or tag
- One programmable relay operation
- Pulse mode, Latch mode
- · Card block enrolment
- Built in light dependent resistor (LDR) for anti tamper
- Buzzer for audible or silent mode
- Low temperature resistance(-40°C)

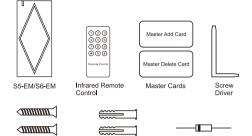
Specifications:

User Capacity	2000
Operating Voltage	12-24V DC
Idle Current	<40mA
Proximity Card Reader	EM
Radio Technology	125KHz Proximity Card
Read Range	3-6cm
Wiring Connections	Relay Output, Exit Button
Relay	One (NO, NC, Common)
Adjustable Relay Output	0-99 Seconds
Time Lock Output Load	2 Amp Maximum
Environment Operating Temperature Operating Humidity	Meets IP66 -40°C ~60°C 0%RH~98%RH

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Physical Zinc-Alloy Enclosure
Surface Finish Powder Coat
Unit Weight 260g
Shipping Weight 320g

Carton Inventory:



INSTALLATION =

Self Tapping

Screws: 03*25mm

- Remove the back cover from the unit
- Drill 2 holes(A,C) on the wall for the screws and one hole for the cable

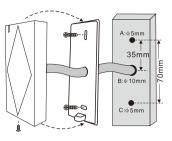
Wall Anchors

Diode IN4004 (For relay

circuit protection)

- Knock the supplied rubber bungs to the screw holes(A,C)
- Fix the back cover firmly on the wall with 2 flat head screws
- Thread the cable through the cable hole(B)
- Attach the unit to the back cover

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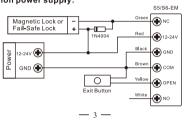


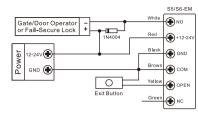
Wiring

Colour	Function	Notes
Red	Power+	12-24 Votes DC Regulated Power Input
Black	GND	Ground
White	ОИ	Normally Open Relay Output
Brown	COM	Common Connection for Relay Output
Green	NC	Normally Closed Relay Output
Yellow	OPEN	Request to Exit Input(REX)
	Red Black White Brown Green	Red Power + Black GND White NO Brown COM Green NC

Connection Diagram

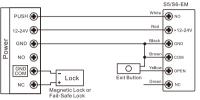
Common power supply:

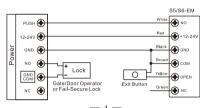




Attention: Install a 1N4004 or equivalent diode is needed when use a common power supply, or the reader might be damaged. (1N4004 is included in the packing)

Access Control Power Supply:





PROGRAMMING = Programming will vary de

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

General Programming Information

- Remote Control: Please use the Infrared Remote Control to program the Reader. The infrared receiver head is near LED, so when program the reader, please direct the Remote Control to the LED.
- User ID number: Assign a user ID to the access card in order
 to track it. The user ID number can be any number from 1-2000.
 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 User ID be available.
- **Proximity Card:** Any 125KHz industry standard 26 bit EM Proximity card or Tag.

Enter and Exit Program mode

Programming Step	Keystroke Combination
Enter Program Mode	★ (Master Code) # Factory default is 123456
Exit Program Mode	*

et Master Code

Set Master Code		
Programming Step	Keystroke Combination	
1. Enter Program Mode	★ (Master Code) #	
2. Update Master Code	0(New Master Code)# (Repeat New Master Code)#	
3. Exit Program Mode	*	

Add User Cards

Add Oser Cards	
Programming Step	Keystroke Combination
1. Enter Program Mode	★ (Master Code) #
Add Card: Using Auto ID (Allows S5-EM/S6-EM to assign Card to next available User ID number)	1 (Read Card) # Repeat Step 2 for additional user cards
OR	

2. Add Card: Select Specific ID 1 (User ID) # (Read Card) # (Allows manager to define The user ID is any number a specific User ID to associate from 1-2000 the card to) OR 2. Add Card: By Card Number 1 (Input 8/10 digits Card OR number)# (User ID number) # Add Card: Block Learn (Card quantity) #(The first (Allows manager to add up to 2000 cards to the Reader card number) # Cards' number must be consecutive; Card quantity = number of card to be enrolled.

Delete User Cards

3. Exit

Programming Step	Keystroke Combination
1. Enter Program Mode	★ (Master Code) #
2. Delete Card: By read card	2 (Read Card) # Repeat Step 2 for additional user cards
2. Delete Card: Select Specific ID	2 (User ID) # The user ID is any number from 1-2000.
Delete Card: By Card Number	2 (Input 8/10 digits card number) #

Set Relay Configuration

The relay configuration sets the behaviour of the output relay on activation.

Programming Step	Keystroke Combination
1. Enter Program Mode	★ (Master Code) #
2. Pulse Mode	3 (1-99) #
OR	The relay time is 1-99 seconds. (1 is 50mS.) Default is 5 seconds.

2. Latch Mode 3 0 # Sets the relay to ON/OFF Latch mode 3. Exit *

Set Strike-out Alarm

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

Programming Step	Keystroke Combination
1. Enter Program Mode	★ (Master Code) #
2. Strike-Out OFF OR 2. Strike-Out ON	4 0 # (factory default) 4 1 # Access will be denied
OR 2. Strike-Out ON (Alarm)	for 10 minutes
Set alarm time	5 (0 ~ 3) # Factory default is 1 minute Enter Master code # or valid user card to silence
3. Exit	*

Set Audible and Visual Response

Programming Step	Keystroke Combination ★ (Master Code) #	
 Enter Program Mode 		
Control LED OR Control Sounds	OFF = 61# OFF = 63#	ON = 62# ON = 64# (Factory defaults are ON)
3. Exit	*	<u>'</u>

OTHERS

Users Operation

Open the door: Read the valiad user card, the door will open. Remove Alarm: Read valid user card, or Input Master code #

Reset to Factory Default:

To reset to factory default, power off, press the Exit Button, hold it and power on, there will be two beeps, and the LED light turns into yellow, release the exit button, then read any two 125KHz EM card, the LED will turn into red, means reset to factory default successfully. Of the two cards reading, the "" one is Master Add Card, the 2" one is the Master Delete Card.

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

Erase all Cards

* Master Code # 2 Master code # *

This will delete ALL User data, but all configuration data is retained.

Master Cards Using

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

Sound and Light indication

Operation Status	LED	Buzzer
Stand by	Red light bright	
Enter into programming mode	Red light shines	One beep
In the programming mode	Yellow light bright	One beep
Operation error		Three beeps
Exit from the programming mode	Red light bright	One beep
Open lock	Green light bright	One beep
Alarm	Red light Shines quickly	Beeps

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