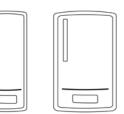
Stand-alone Proximity Access Control



S3

User Manual

S4

S3/S4- Simplified Instruction		
Function description	Opration	
Enter the programming mode	*-123456-# then you can do the programming (123456 is the default factory 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)	
Delete card user	2 -Read Card -# (can delete cards continuously)	
Exit from the programming mode	*	
How to release the door		
Card User	Read card	

The STS is a compact, waterproof stand-alone programmable access monetools is a compact proximity entry for up to 2000 users, read both EM & HID card. 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 operation, and hijh reliability.

· Waterproof, conform to IP66

INTRODUCTION -

- Read 125KHz EM & HID card
- · One programmable relay operation · Pulse mode, Latch mode
- · Remote infrared programmer
- · Card block enrollmen
- · Tri-colour LED status display
- . Built in light dependent resistor (LDR) for anti tamper
- · Buzzer for audible or silent mode
- Low temperature resistance(-40°C)

ID(Allows manager to define a specific User ID to associate the card to)

2. Add Card: by Card Number

2. Add Card: Block Enrollm

(Allows manager to add up

to 2000 cards to the Reader

in a single step.) Takes 3 minutes to program.

Programming Step
1. Enter Program Mode

2. Delete Card: Select

2. Delete Card: by Card

1. Enter Program Mode

Set Relay Configuration
The relay configuration sets the behaviour of the output relay on

Programming Step Keystroke Combination

-6-

* (Master Code) #

Specific ID

OR

Delete User Cards

User Capacity	2000	
Card	EM Card and HID Card	
Operating Voltage	9~18V DC	
Idle Current	<40mA	
Proximity Card Reader	EM&HID	
Radio Technology	125KHz Proximity Card	
Read Range	3-10cm	
Wiring Connections	Relay Output, Exit Button	
Relay	One (NO, NC, Common)	
Adjustable Relay Output Time	1-99 Seconds (5 seconds default	
Lock Output Load	2 Amp Maximum	

-1-

(User ID) # (Read Card) #

1 (Input 8/10 digits Card

Cards'number must be

number)#

2 (Read Card)#

(User ID number) #(Card quantity)#(The first card

consecutive; Card quantity is the number of cards to be enrolled.

Keystroke Combination *(MasterCode)#

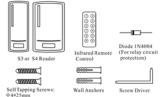
The cards can be deleted

The user ID is any number

2 (Input 8/10 digits card

Environment Operating Temperatur Operating Humidity Meets IP66 Physical ABS Shell S3: L120*W48 * H20 (mm) S4: L120*W76 * H20 (mm) Unit Weight

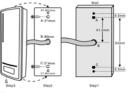
Carton Inventory:



INSTALLATION -

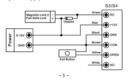
- · Remove the back cover from the unit
- . Drill 2 holes(A,C) on the wall for the screws and one hole for
- . Knock the supplied rubber bungs to the screw holes(A.C)
- . Fix the back cover firmly on the wall with 2 flat head screws
- . Thread the cable through the cable hole(B)
- · Attach the unit to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

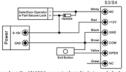
-2-



Colour	Function	Notes
Red	Power+	9-18 Votes DC Regulated Power Input
Black	GND	Ground
White	NO	Normally Open Relay Output
Brown	COM	Common Connection for Relay Output
Green	NC	Normally Closed Relay Output
Yellow	OPEN	Request to Exit Input(REX)

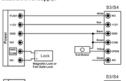
Connection Diagram Common power supply:

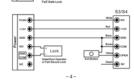




Attention: Install a 1N4004 or equivalent diode is needed when use a common power supply, or the reader might be damaged. (1N4004 is included in the packing)

Access Control Power Supply:





PROGRAMMING.

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

• Remote Control: Please use the Infrared Remote Control to

- program the Reader 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 and HID 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	*

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	*	

Programming Step	Keystroke Combination
1. Enter Program Mode	* (MasterCode)#
2. Add Card: Using Auto ID (Allows S3/S4 to assign Card to next available User ID number)	I (Read Card) # The cards can be added continuously.
OR	

2. Pulse Mode The relay time is 1-99 seconds OR is 50mS.) Default is 5 S. 2. Latch Mode Sets the relay to ON/OFF Latch mode Set Strike-out Alarm

Det of the rout alarm will engage after 10 failed card attempts. Factory default 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 OR 2. Strike-Out ON (Alarm)	40 # (factory default) 41 # Access will be denied for 10 minutes 42 #	
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	
1. Enter Program Mode	* (Ma	aster Code) #
2. Control LED OR 2. Control Sounds	OFF=61#	ON = 62 # ON = 64 # (Factory defaults are ON)
3. Exit	*	

-7-

Users Operation: Open the door: Read the valid user card, the door will open

Remove Alarm: Read valid user card, or Input Master code

Reset to Factory Default and Mater Card Program: 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 or HID card, the LED will turn into red, mean reset to factory default successfully. Of the two cards reading, the first one is Master Add Card, and the second one is Master Delete Card

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

Erase all Cards

OTHERS

This will delete ALL User data.

1, Enter Program Mode by press: *(Master Code) #

2, Press 2 and Master code again

All configuration data is retained.

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	

-8-

FCC STATEMENT:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful

nterference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by

turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Regrient or relocate the receiving antenna Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help.

RF warning statement:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

-9-

-10-