

EM9937A Mifare Standalone Door Access Keypad Controller

FEATURES

- MF9937A is a Mifare standalone door access keypad controller.
- User Card only, User Card and Door Access Password or Door Access Password only.
- MF9937A can add / delete User Card or Door Access Password by present card or by keypad input.
- 2,000 cardholders, from 0 to 4294967295.
- 200 Door Access Passwords. Password from 0 to 999999.
- One Global Door Access Password. Password from 0 to 999999.
- One Master password for entering program mode. Password from 0 to 99999999.
- Buzzer beeps during key in keypad.
- Power: DC + 12V, 100mA.
- Reading distance : over 40mm
- Operating temperature: -10°C to 60°C
- Operating humidity : 0–90%

PROCEDURE TO OPERATE

Beeper Control

Beep one time for success, beep two times for failure, beep three times for memory full.

Enter / Exit the program mode

Press "*" + "Master Password" + "#". Status LED flashes in Green LED.

Default master password is "12345678".

Press "*" + "#" to exit or 30 second timeout for auto exit.

Change Master Password

Press "*" + "9" + "New Master Password" + "#" + "New Master Password" + "#"

Card / Door Access Password operation mode.

Press "*" + "01" + "#" – User Card or Door Access Password (Default mode)

Press "*" + "02" + "#" – User Card only

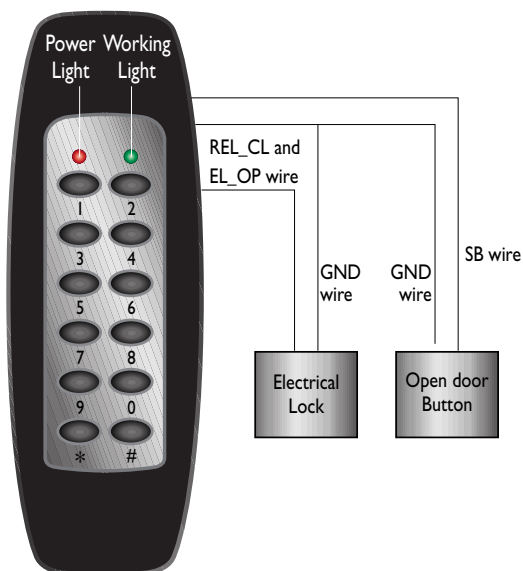
Press "*" + "03" + "#" – Door Access Password only

Setting Electric Lock opening time

Press "*" + "08" + "#" + "Lock opening time (00s to 30s)" + "#"

Default electric Lock opening time : 5 seconds

SYSTEM CONFIGURATION



Card and Door Access Password Management

(Add- "*" + "1", Delete- "*" + "2")

Add User card by present card

Press "*" + "1" + "Present user card" + "#"

Add User card by keypad

Press "*" + "12" + "10 digit card no." + "#"

Add Door Access Password

Press "*" + "13" + "Door Access Password" + "#" + "Door Access Password" + "#".

Delete User Card by present card

Press "*" + "21" + "Present user card" + "#"

Delete User Card by keypad

Press "*" + "22" + "10 digit card no." + "#"

Delete Door Access Password

Press "*" + "23" + "Door Access Password" + "#" + "Door Access Password" + "#".

Delete all User Cards

Press "*" + "24" + "#" + "*" + "24" + "#".

Delete all Door Access Password

Press "*" + "25" + "#" + "*" + "25" + "#".

System Parameters setting

(Enable- "*" + "3", Disable- "*" + "4")

Card + Global Door Access Password Function

Enable-Press "*" + "3" + "1" + "#"

Disable-Press "*" + "4" + "2" + "#" (Default)

Door Ajar Function

Enable-Press "*" + "3" + "2" + "Door Ajar Time (00s to 60s)" + "#".

If door ajar exceeds the preset period, beeper will beep every 5 seconds continuously until door closed properly.

Disable-Press "*" + "4" + "2" + "#" (Default)

Door Alarm Function

Enable-Press "*" + "3" + "3" + "#"

Disable-Press "*" + "4" + "3" + "#" (Default)

Reset-Press "*" + "7" + "Present valid user card" + "#"

(No need to enter program mode)

DATA CONNECTION OF READER

Number	Wire's Color	Name	Description
1	Black	GND	Ground
2	Red	+12VDC	+12V DC Power Supply
3	Green	NC	Relay in N/C mode
4	Blue	NO	Relay in N/C mode
5	Brown	REX	Request to Exit
6	Yellow	SENSOR	Door Sensor
7	White	ALARM	Alarm output (H/L Voltage for alarm)
8	Grey	COM	Signal ground for REX and SENSOR

DIMENSION

Length x width x thick: 12.5cm x 4.0cm x 2.5cm