

RFID Access Control Panel Manual

HCRFID0002

Product Specification

Voltage:	12VDC $\pm$ 10%, Current 1.2A
Lock Relay:	12VDC/2A
Environmental Temperature:	working:0°C~45°C; storage:-10°C~55°C
Relative humidity: working:	40%~90%RH;
storage:	-20%~90%RH
Card Capacity:	1000
PIN Capacity: Public PIN:	1 Private PIN:500
Internal Reader Frequency:	ID model:125KHz
ICmodel:	13.56MHz
Proximity Card:	ID model: EM or compatible
IC model:	Mifare1 or compatible
Card Reading Distance:	ID model:5 - 15CM
IC model:	3 - 5CM
Lock interface:	Relay output or level output
Exit Button:	One interface
Bell:	One interface
Door contact:	One interface
Alarm Interface:	One level output

Factory Defaults

Programming Pin:	990101
Door Open Mode:	Card or public (1234)
Private Pin:	0000

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Door Open Time:	3 Seconds
Anti-Break Alarm:	Disabled
Door Contact Alarm:	Disabled
Lock Status:	Disabled
Alarm Delay:	0 Seconds
Modify Private Pin:	Disabled

LED & Buzzer

Normal mode:

Valid command: Short beep

Invalid command: Long beep

Programming mode:

Green LED on

Valid command: Two short beeps

Invalid command: Three beeps

Cancel Command

Press the [*] key to cancel command.

Functions and Setup

Enter the programming mode

Press [*]+[6-digit pin] (Default is 990101)

Modify the programming pin

Press [0]

+ [new 6-digit pin]

+ [confirm the new 6-digit pin]

Enroll card

Press [5]

+ [3-digit index code] (2 beeps)

+ [Card1] (beep, 2 beeps)

+ [Card2] (beep, 2 beeps)

+.....

+ [Cardn] (beep, 2 beeps)

+ [*] (2 beeps)

3-digit index code: range from 001-500. Card can be deleted by this code.

When enrolling multiple cards, every card index code will be calculated in order. For example, card one's index code is 15, card two's will be 16.

The default private pin for each card is 0000

Delete card

Delete by index code

Press [7]

+ [3-digit code1] (2 beeps)

+ [3-digit code2] (2 beeps)

+.....

+ [3-digit coden] (2 beeps+ [*] (2 beeps)

Delete by presenting card

Press [7]

+ [Presenting Card1] (beep, 2 beeps)

+ [Presenting Card2] (beep, 2 beeps)

+.....

+ [Presenting Cardn] (beep, 2 beeps)

+ [*] (2 beeps)

Delete all cards

Please restore the factory default

The private pin will be deleted when the card is deleted

Exit programming mode

Press [*] (2 beeps)

Set up door open mode

Card or pin mode

Press [1]+[0] (2 beeps)

Card + private pin mode

Press [1]+[1] (2 beeps)

PINs

The pin in "Card or PIN" mode is either the public pin or private pin (at most 500).

Disable changing private pin

Press [1]+[2] (2 beeps)

Enable changing private pin

Press [1]+[3] (2 beeps)

Change private pin

Press [#] (2 beeps)

+ [Presenting card] (beep, 2 beeps)

+ [4-digit old pin] (2 beeps)

+ [4-digit new pin]

+ [confirm the new pin] (2 beeps)

Change public pin

Press [3]+[4-digit pin] (Default 1234)
When the public or private pin is 0000, the pin is void in “Card or pin” mode.

Change door open time

Press [2]+[TT]
TT is the time interval in seconds. For example, if the door open time is 3 seconds, then TT=03.

Anti-break

Disable anti-break: Press [4]+[0]
Enable anti-break: Press [4]+[1]

Door contact sensor

Disable door sensor: Press [6]+[0]
Enable door sensor: Press [6]+[1]

Door sensor alarm

Disable alarm: Press [8]+[0]
Enable alarm: Press [8]+[1]

After turning on this function, the controller will give off continuous long beep when the door is not closed after normal opening, or the door is not opened through the controller.

Alarm delay time

Press [82]+[TT].
TT is the time interval in seconds. For example, if the delay time is 3 seconds, then TT=03.
When door is locked TT seconds, if the door contact sensor is in alarm status, the controller is in alarm mode. This function should be used when the door sensor alarm is on.

Restore factory default

Press [86]. There will be 2 beeps, 3 beeps and 3 beeps after 5 seconds, then the factory defaults are restored.

User’s instruction

Card or PIN mode

The pins should be entered in 2 seconds
Press [*] key to cancel pin input

Card + Private PIN mode

[Reading card]+[enter 4-digit pin] to open

Press [*] key to cancel pin input

Reset programming pin

Short the J2 on controller to reset the programming pin to factory default.

FAQ

Symptom	Possible solutions
After the lock is opened, there are 8 short beeps	The controller needs higher voltage; the power supply should be checked.
The card reading distance is short or card cannot be read	1. If the controller is on metal surface, it should be moved to other place. 2. Check the power supply.
After reading card, there are 3 beeps and lock is not open	1. It’s in card+pin mode. 2. [#] key is pressed, wait for 5 seconds to present the card.
The enrolled card cannot open the door	1. Check if the door sensor is in alarm status. 2. Disable the door sensor alarm.
Press [*]+[Programming pin] there is long beep and cannot enter the programming mode	Other keys are pressed before pressing the [*] key. Keep on pressing [*] key after long beep, then enter the programming mode again.
Press [#] key, there is a long beep, the private pin cannot be changed	Other keys are pressed before pressing the [*] key. Keep on pressing [*] key after long beep, then press the [*] key again.
Press [5],there are 3 beeps	The controller has full card capacity.
Press [5]+[index code], 3 beeps	This index code is in use, select another index code.
Press [5]+[index code] 2 beeps +[presenting card] 3 beeps	This card is in use.
The controller exit	In programming mode, if there is no input in 20 seconds, the controller exits programming mode

programming mode	automatically.
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Wiring

With normal power supply

DOOR	To door contact	The other end to DGND
DGND		
POENSW	To exit button	The other end to DGND
PUSH/NO	To GND of the fail-safe lock	The other end off the lock to +12VDC
NC	To GND of the fail-open lock	The other end off the lock to +12VDC
GND	To the GND of power supply	
+12VDC	To the +12V of power supply	
BELL	To door bell	
BELL	To door bell	
JP3	Short JP3	
JP2	Short 1,2	

With access control power supply

DOOR	To door contact	The other end to DGND
DGND		
POENSW	To exit button	The other end to DGND
PUSH/NO	To PUSH on power supply	Lock should be wired to power supply’s NC and GND.
NC		
GND	To the GND of power supply	
+12VDC	To the +12V of power supply	
BELL	To door bell	
BELL	To door bell	
JP3	Do NOT short JP3	
JP2	Short 2,3	