RFID Access Control Panel
Manual

HCRFID0002

Product Specification
Voltage: 12VDC±10%, Current 1.2A
Lock Relay: 12VDC/2A
Environmental Temperature: working: 0℃~45℃
                          storage: -10℃~55℃
Relative humidity: working: 40%~90%RH
                   storage: -20%~90%RH
Card Capacity: Public PIN: 1
               Private PIN: 500
Internal Reader Frequency: ID model: 125KHz
                        IC model: 13.56MHz
Proximity Card: ID model: EM 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

©Hobby Components Ltd

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.

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

Delete card
Delete by index code
Press [7]
+ [3-digit code1] (2 beeps)
+ [3-digit code2] (2 beeps)
+ ....
+ [3-digit code n] (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]

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]

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.

Reset 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

FAQ

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Possible solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>After the lock is opened, there are 8 short beeps</td>
<td>The controller needs higher voltage; the power supply should be checked.</td>
</tr>
</tbody>
</table>
| 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] | This card is in use. |

With normal power supply

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

With access control power supply

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

©Hobby Components Ltd