

Waterproof Integrated Access Controller



Read the manual before usage and keep for future reference.





7.10.1 Normal Mode (Default)

http://www.provisual.com

Setup normal mode Press 7 → Press 0 → Confirm #

7.10.2 Lock Mode

Setup lock mode

Press 7 → Press 1 → Confirm # It means that user present invalid card or input wrong password for ten

times continuously within 10 minutes, system will be locked for 10 minutes.

7.10.3 Alarm Mode:

Setup alarm mode

Press 7 → Press 1 → Confirm #

It means that user present invalid card or input wrong password for ten times continuously within 10 minutes, external warner and built-in beeper will alarm simultaneously.

Note: It is used to users who holds card or no card, if user password is

7.11 User Operation

7.11.1 User modify password by card

Press * → Read card → Input old password #

→ Input new password # → Input again

7.12 User Modify Password by ID Number:

User modify password by ID number

Press * → Input ID number → Input old password #

→ Input new password # → Input again

"1234", it must be modified by card.

7.13 Open Door by Card

After present valid card, door will open.

1. Product Appearance



The Front

-The Back

- 1.1 Color: Silvery
- 1.2 Dimension: 120mm×58mm×22mm

2. Important Notices



Failure to follow the instructions below may lead to the malfunction of the system, property damage and even physical injury.

- 2.1 Connection and operation on any components or the controller with power on is strictly prohibited.
- 2.2 Connect the system according to the instructions described in this manual. 2.3 The RS232 cable connected to the computer should be no more than 15 meters.
- 2.4 The RS485 cable connected to the computer should be no more than 1200m.
- 2.5 Please use the specified power supply.
- 2.6 The communication mode between the controller and computer should be either RS232 or RS485.

2.7 When RS485 mode is applied, a highway can connect maximally 32

controllers with identification address differs from each other.



7.14 Open Door by Password Open door by password

Input user password Press # to open door

After input correct password, door will open. 7.15 Open Door by Card + Password

Open door by card + password

Read card → Input user password → Press # to open door

After present valid card and input correct password, door will open. 7.16 Release Alarm Operation

7.16.1 External alarm and built-in beeper alarm simultaneously.

Read valid card Release alarm Input admin password -

It can release alarm 7.16.2 Close Alarm Sound

Release alarm

Read valid card

Release alarm Input admin password →

It can release alarm

3. Product Introduction

Water proof product series is RF integrated access controller. The series supports EM, HID and Mifare cards according to difference models. It is the most advanced one-door controller at present. It adopts metal case, practical keyboard and built-in microprocessor. It can supply protection for 2000 users. Moreover, the device is characterized by ultra low ultra-power consumption, lightened keyboard, independent password, Wiegand output, output short-circuit protection, door-magnet alarm, exit button, and door bell interface etc, which can be applied in family, office room, residence community and other public places.

Lock Output: ≤3A

Step 2

the bottom case

Alarm Ouput: ≤20A

6. Installation Instruction

Open the case by upward against

Fix the front case on bottom case

9. Wiring Nomination

ALARM Grav

OPEN Yellow

D_IN Brown

COM Purple

NC Orange

10

Blue

BELL A | Pink | One port of door bell

D0 Green Weigand output wire D0

D1 White Weigand output wire D1

2 | BELL B | Light | Another port of door bell

Wire No Mark Color

Output Short Circuit Protection: ≤100 µ S

Please fix bottom case

Fix the cases by screw

Function

Warner negative (alarm positive

One port of exit button (the another

One port of door magnet (the another

Relay normal open (connect with fail-

Relay common port (connect with

Relay normal close (connect with fail-

connect with +12V)

port connect with GND)

port connect with GND)

GND | Black | Power supply 9-28V input (DC input-)

8 DC12V Red Power supply 9-28V input(DC input +)

secure lock)

power GND)

safe lock)

on wall

Open Time: 0-99 (can be adjusted)

Please turn on the bottom screw

4. Function Feature

Supper Low Consumption: Standby current less than 30mA. Lighted Keyboard: User can operate keyboard without light. User Capacity: It supports 2000 users.

Independent Password: User can open door by password without card. Password Modify: User can modify password by himself. High Speed Search: After read card, door can open within 0.1s.

Output Short Circuit Protection: When lock or alarm output short circuit, output will be closed within 100 µS automatically. Wiegand Output: It outputs W26 card number or WG 4 keypad number.

Delete Card: If user loss the card, manager can delete the card by keypad to avoid any safety loophole. Dismiss Alarm: When dismissed abnormally, device buzzer will alarm.

Door Bell keypad: Keypad is isolated with circuit, it can connect with door bell.

Storage Capacity: 2000 users

Temperature: -25°C ~60°C

Humidity: 10%~90%

5. Parameter

Working Voltage: DC9-28V Quiescent Current: ≤30mA Read Distance: 3∼8cm

7.17 Audible and Visual Indication

Red Light	Green Light	Buzzer	Memo
Flash slow	Off		
		Веер	
Off	On	Веер —	
		Beep Beep Beep	
On	Off	Веер —	
On	On		Indicator Light is Yellow
Flash Slow	Off	Веер —	
Off	On	Веер —	
Flash Fast	Off	Alarm Sound	
	Off On On Flash Slow Off	Red Light Flash slow Off Off On On Flash Slow Off On On On On	Red Light Light Buzzer Flash slow Off Beep Off On Beep — On Off Beep Beep Beep Beep On On On Flash Slow Off Beep — Off On Beep —

8.Instructions for Keypad

- 8.1 Not all readers are facilitated with keypad. The reader models facilitated with keypad support 6-digit password.
- 8.2 The reader will transform 6-digit password into Wiegand 26 format and send the data to controller 8.3 The user should input the 2nd digit within 2s after inputting the
- 1st digit, otherwise the 1st digit will be deleted automatically and the user has to input the password again. 8.4 If wrong number is input, the user can press the ESC key and re-
- input the password again. 8.5 After input password, please press "#" keypad, it means over.
- 8.6 When take it as reader, please set Safe Mode as default.

7. Manager Operation

7.1 Restore Factory Setting: After device power off, please press # button and do not release it, then

power on, if device beep, please release the button. Now finish. Note: The operation of restore factory setting will not delete user

7.2 Enter Administrator Operation Status:

Enter administrator operation

Press * → Input admin password → Press # to confirm Administrator default password is: 999999

7.3 Modify Administrator Password:

Modify administrator Password Press 0 → Input new password # → Input again # Note: Administrator password is 6 - 8 digital any number, please

remember it. 7.4 Add User

7.4.1 Add Card continuously:

Add card continuously

Press 1 → Read card 1→ Read card 2···→Press # to end 7.4.2 Appoint to Add Card:

Appoint card number to add

Press 1 → Card NO. 1+#→Read card → Card NO. 2+# · · · -Press # to end

Note: When add card number automatically, user ID number will come out automatically, the range will be 1-2000 and search from small to 7.4.3 Appoint ID number to present and add card

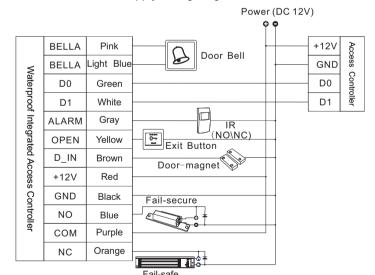
Appoint ID number and read card to add

Press 1 \rightarrow ID NO. 1+# \rightarrow ID NO. 2+# $\cdots \rightarrow$ Press # to end

7.4.4 Appoint ID number and add card number:

10.Wiring Diagram

10.1 General Power Supply Wiring Diagram



10.2 Power Supply Wiring Diagram

Setup card to open door

Appoint ID number and card number to add

7.4.5 Appoint ID number and add password

input digital is 4, but can not be "1234".

7.5.2 Appoint Card Number to Delete

7.5.3 Appoint ID number to Delete

Appoint ID number and read card to add

7.5 Delete User

7.5.4 Delete All

7.6.1 Open by Card:

Delete all

7.5.1 Delete Card

Read card to delete

001, 0001 are mean ID number 1.

 $\begin{array}{c}
\text{ID NO. 1+#} \\
 & \downarrow \\$

Note: Input ID number is 1-4 digital, the range is 1-2000, such as 1,01,

Adding card user has a default password "1234", but this password can

Press 1 →ID NO. 1+# Password+#→ID NO. 2+# Password+#

Note: It is used in no card user, password have no relative with card,

Press 2 \rightarrow Read card 1 \rightarrow Read card 2 $\cdots \rightarrow$ Press # to end

Press 2 → Card NO. 1+#→ Card NO. 2+#• • • → Press # to end

Press # to end

Press 2 → ID NO. 1+# → Read card → ID NO. 2+# ···-

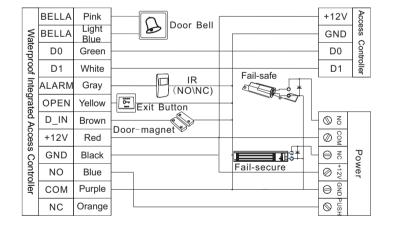
Press 20000 Press # to confirm delete all

7.6 Open Door Way Setup: Set the way of open door.

Press 3 → Press 0 → Confirm #

→ ID NO. 3+# Password+# · · → Press # to end

not open door, It will be used when modify password only.



7.6.2 Open by Card + Password:

Setup card + password to open door

Press 3 -- Press 1 -- Confirm #

7.6.3 Open by Card or Password: (Default)

Setup card or password to open door

Press 3 -- Confirm #

7.7 The Time of Lock Open Setup:

Setup open door time

Press 4 → Press 0-99 → Confirm #

Note: Open Time range: 0-99s, default is 5s. 7.8 Alarm Time Setup:

Setup alarm time

Press 5 Press 0-3 Confirm #

Note: Alarm Time Range: 0-3 min, default is 1 min.

7.9 Door-magnet Alarm Setup:

7.9.1 Shield door-magnet alarm function (default):

Shield door-magnet alarm Press 6 → Press 0 → Confirm #

7.9.2 Start Door-magnet Alarm Function:

Start door-magnet alarm Press 6 → Press 1 → Confirm #

There are two situations after start the function:

7.9.2.1 If open door and do not close normally, after 1 min, the built-in beeper send alarm sound and close door or close directly after 1 min.

7.9.2.2 User open lock, door open after 20s, or door is opened by force. The external and built-in beeper alarm simultaneously.

7.10 Safe Mode Setup

10.3 Wiring Diagram Spacification

Connection Device	Cable Type	Main Point
Power Supply – Int -egrated Access Controller	RVV2*1.0	Distance <100M
Integrated Access Controller - Controller	RVV4*0.5	Distance 60m, can not over 100m
Integrated Access Controller - Lock	RVV4*1.0(with door- magnet)	Distance <150M
Integrated Access Controller - Exit Button	RVV2*0.5	Distance <150-200M
Integrated Access Controller - IR Warner	RVV2*1.0	Distance <200M

