Contents

AR-321 (H): Touch-panel Metal Housing
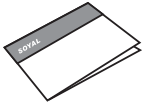
1 Product   **2** User Guide   **3** Terminal Cables   **4** Tools   **5** Water proof Strip

P1   P2   P3   P4

d x2

AR-331 (H): Touch-panel Metal Housing / AR-331 (H-S): Metal Housing   ※ Additional external relay must be purchased.

1 Product

[Optional]

or
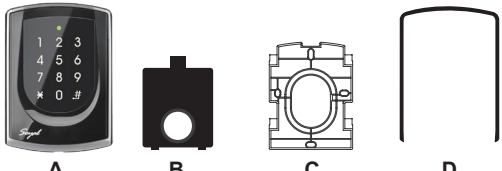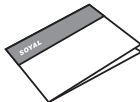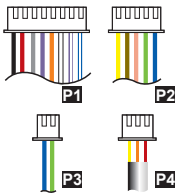
WG keyboard

AR-331 (H)   AR-331 (H-S)

2 Optional

AR-721RB Digital Relay

or

AR-821RB Original Relay

3 User Guide

4 Terminal Cables

P7

5 Tools

c x2   g x1   h x1

AR-721 (H)

1 Product   **2** User Guide   **3** Terminal Cables   **4** Tools

P1   P2   P3   P4

f x2

AR-725 (H): Illuminated Touch-panel
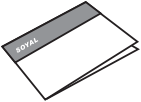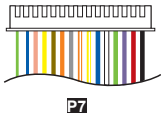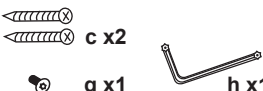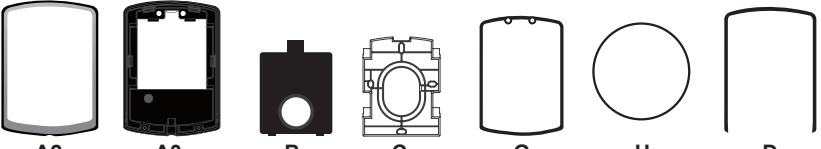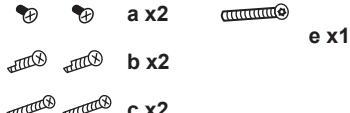
AR-725 (H-M)

1 Products
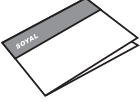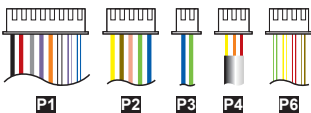
A.   B.   C.   D.

2 User Guide   **3** Terminal Cables   **4** Tools

P1   P2   P3   P4

c x2   e x1

AR-725 (H)

1 Products

A1.   E.   F.

2 User Guide   **3** Terminal Cables   **4** Tools

P1   P2   P3   P4

f x2

AR-725 (X)

1 Products

A2.   A3.   B.   C.   G.   H.   D.

2 Tools

a x2   e x1   b x2   c x2

AR-757 (H)

1 Product   **2** User Guide   **3** Terminal Cables   **4** Tools

P1   P2   P3   P4   P6

f x2

Parts Description

a. Button Head Pozidriv Tapping Screw: M3x10

b. Button Head Pozidriv Slotting Screw: 2.5x10

c. Flat Head Cap Philips Tapping Screw: 4x19.1

d. Flat Head Cap Philips Tapping Screw: 4x38

e. Security Torx Screw: M3.5x15

f. Flat Head Hex Socket Screw: M3x8

g. Security Torx Screw: M3x10

h. Security Torx Wrenches

Installation

AR-321 (H)
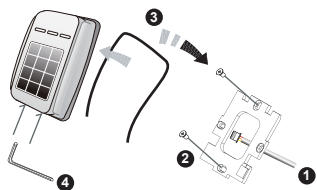
- Pull the cables from the square hole of the mounting plate.
- Use a screwdriver to screw the mounting plate onto the wall.
- Attach the water proof strip to the body, then connect the terminal cables to the body and attach the body to the mounting plate.
- Use the Allen key and screws (accessories supplied) to assemble the body onto the mounting plate.
- Turn on the power, and LED will light and beep will sound.

AR-331 (H) / AR-331 (H-S)
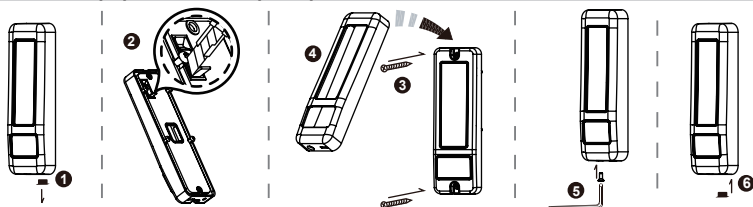
- Remove the rubber plug.
- To cut tamper-resistant column and make it fit the appropriate height for actual installation.
- First, take off the metal casing then screw the controller on the wall.
- Second, put the metal casing back and lock it with security screw.
- Finally, put the rubber plug into the hole.
- Turn on the power, and LED will light and beep will sound.

AR-721 (H)
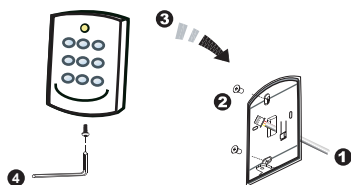
- Pull the cables from the square hole of the mounting plate.
- Use a screwdriver to screw the base onto the wall.
- Connect the terminal cables to the body and attach the body to the mounting plate.
- Assemble the covers with the Allen key and screws (accessories supplied).
- Turn on the power and LED will light and beep will sound.

AR-725 (H)

AR-725 (H-M)
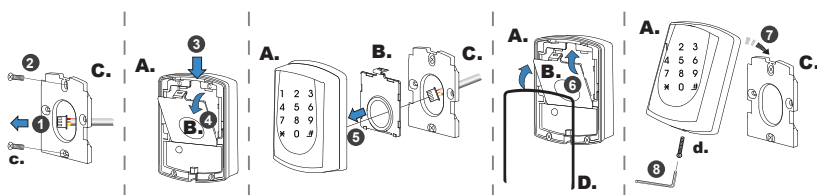
- Pull the cables from the square access hole of the mounting plate **C**.
- Use a screwdriver to screw the metal plate **C** onto the wall.
- Take off the plastic mounting plate **B** from the body **A**, and pull the cables through the access hole of **C** and **B**, then connect to the body **A**.
- Assemble plate **B** with the body **A**, and embed the water proof strip **D** onto the plastic side frame.
- Assemble the body **A** onto the mounting plate **C** with the Allen key and screws (accessories supplied).
- Turn on the power and LED will light and beep will sound.

AR-725 (H)
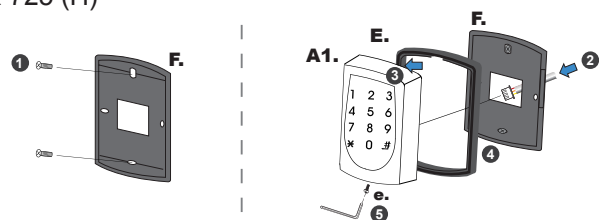
- Use a screwdriver to screw the base F onto the wall.
- Attach the water proof gasket to the body **A1**, and pull the cables from the square hole of the base F, and connect to the body **A1**.
- Assemble the body **A1** with the base **F**.
- Screw **A1** and F tight with the Allen key and screws (accessories supplied).
- Turn on the power and LED will light and beep will sound.

AR-725 (X)
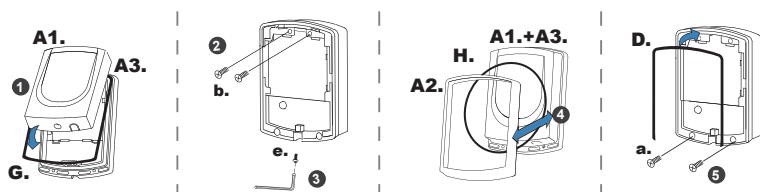
- Put on **G**, and attach **A1** onto the plastic plate **A3**, and screw it with the Allen key and screws (accessories supplied).
- Put the ring O on the metal frame, and put them together onto the reader **A1**+**A3**, and screw them and buckle up the 4 buckles on the back.
- Embed the water proof strip **D** onto the frame side of the base.
- Following by the install process of AR-725 (H-M)

AR-757 (H)

- Pull the cables from the square hole of the mounting plate.
- Use a screwdriver to screw the base onto the wall.
- Embed the water proof strip **3** onto the frame side of the base.
- Connect the terminal cables to the body and attach the body to the mounting plate.
- Assemble the covers with the Allen key and screws (accessories supplied).
- Turn on the power and LED will light and beep will sound.

Notice

1.Tubing: The communication wires and power line should NOT be bound in the same conduit or tubing.

2.Wire selection: Use AWG 22-24 Shielded Twist Pair to avoid star wiring.
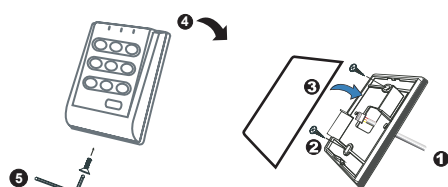
3.Power supply: Don't equip controller and lock with the same power supply. The power for controller may be unstable when the lock is activating, that may make the controller malfunction.

The standard installation: Door relay and lock use the same power supply, and controller use independent power supply.

Connector Table

AR-321 (H)
125kHz
13.56MHz
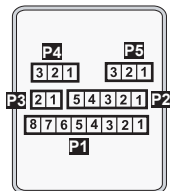
AR-331 (H) / AR-331 (H-S)
125kHz
13.56MHz
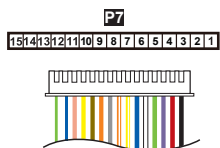
AR-721 (H)
125kHz   13.56MHz
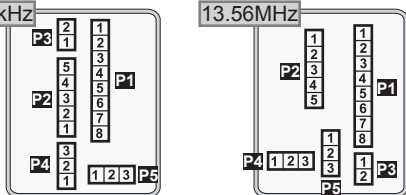
AR-725 (H)
125kHz   13.56MHz
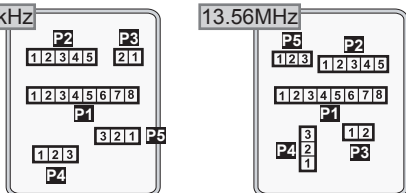
AR-757 (H)
125kHz   13.56MHz
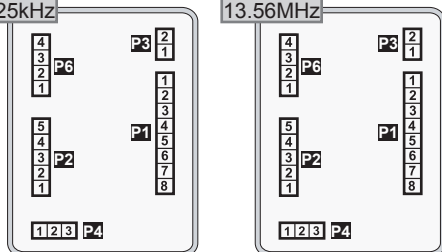
Connectors Comparison

AR-321 (H)	P1 P2 P3 P4 (P5 Optional)
AR-331 (H)	P7 P8
AR-721 (H)	P1 P2 P3 P4 (P5 Optional)
AR-725 (H)	P1 P2 P3 P4 (P5 Optional)
AR-757 (H)	P1 P2 P3 P4 P6

Cable : P1

Wire Application	Pin	Color	Description
Lock Relay	1	Blue White	(N.O.) DC24V1Amp
	2	Purple White	(N.C.) DC24V1Amp
Common-COM-Point	3	White	(COM) DC24V1Amp
Door contact	4	Orange	Negative Trigger Input
Exit Switch	5	Purple	Negative Trigger Input
Alarm Relay	6	Gray	Low output; Max 12V/100mA (Open Collector)
Power	7	Thick Red	DC Power 12V
	8	Thick Black	DC Power 0V

Cable : P2

Wire Application	Pin	Color	Description
Wiegand	1	Thin Blue	Wiegand DAT:1 Input
	2	Thin Green	Wiegand DAT:0 Input
Beeper	3	Pink	Beeper Output 5V/100mA, Low
LED	4	Brown	LED Green Output 5V/20mA, Max
	5	Yellow	LED Red Output 5V/20mA, Max

Cable : P3

Wire Application	Pin	Color	Description
Networking	1	Thick Green	RS-485(B-)
Module	2	Thick Blue	RS-485(A+)

Cable : P4 (Contact Rating: 1A 125VAC/24VDC)

Wire Application	Pin	Color	Description
Tamper Switch	1	Red	N.C.
	2	Orange	COM
	3	Yellow	N.O.

※After S/N: 0706-XXXXXX

Cable : P5 (Optional)

Wire Application	Pin	Color	Description
3-PIN Connector	1	Black	GND.
	2	White	Duress
	3	Purple	Arming/ Security trigger signal

Cable : P6

Wire Application	Pin	Color	Description
Doorbell	1	Brown White	BE Output
Arming	2	Red White	AR Output/ Security trigger signal Output
Duress	3	Yellow White	DU Output/ TTL out
LED indicator	4	Green White	Hi input/ Green light brighten

Cable : P7 (Directly connected at the Access controller)

Wire Application	Pin	Color	Description
Power	1	Thick Black	DC Power 0V
	2	Thick Red	DC Power 12V
Exit Switch	3	Purple	Negative Trigger Input
Networking Module	4	Thick Green	RS-485(B-)
Lock Relay	5	White	Low output; Max 12V/100mA (Open Collector)/ Security trigger signal Output
Networking Module	6	Thick Blue	RS-485(A+)
Tamper Switch	7	Yellow White	N.O.
	8	Orange White	COM
Alarm Relay	9	Gray	Low output; Max 12V/100mA (Open Collector)
Door contact	10	Orange	Negative Trigger Input
LED	11	Brown	LED Green Negative Output 5V/20mA, Max
	12	Yellow	LED Red Negative Output 5V/20mA, Max
Beeper	13	Pink	Beeper Negative Output 5V/100mA, Low
Wiegand	14	Thin Blue	Wiegand DAT:1 Input
	15	Thin Green	Wiegand DAT:0 Input

Wiring Diagram

Connect to Magnetic Lock or Electric Bolt
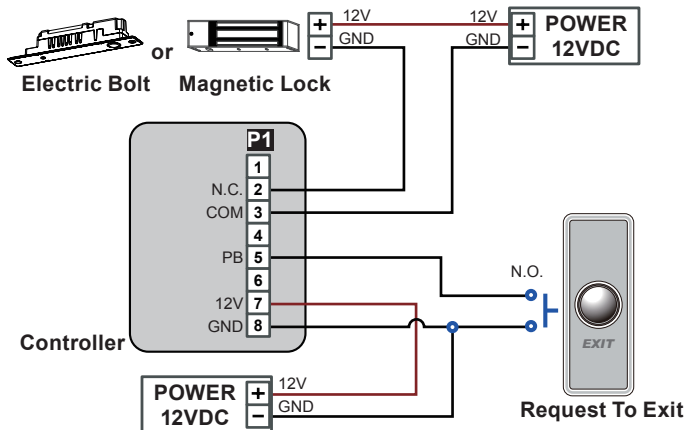
Connect to Electric Strike
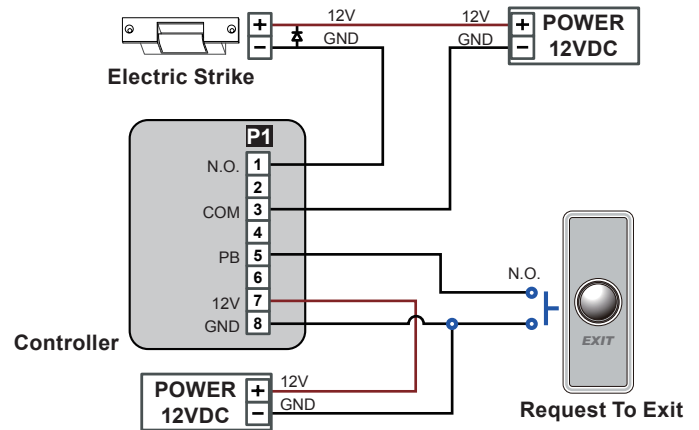
Connect to Reader
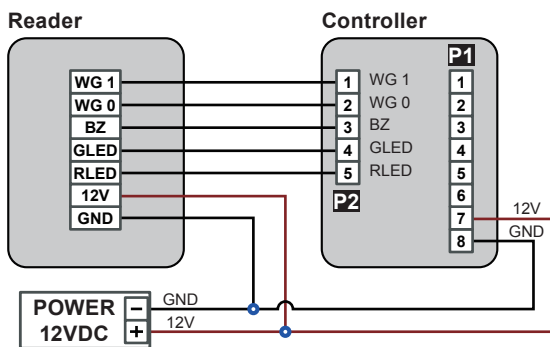
Connect to Door Sensor
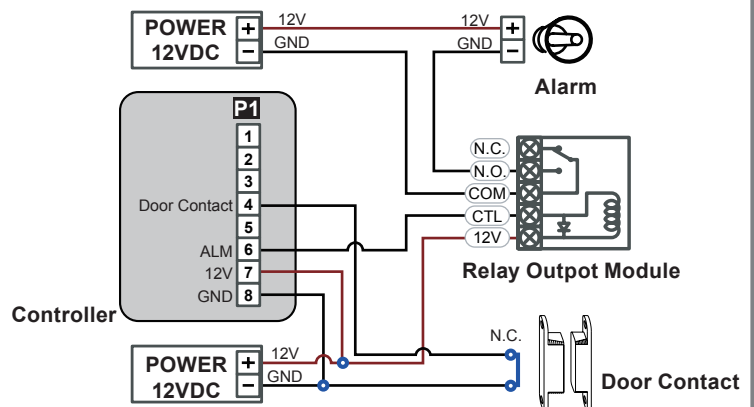
Strengthen security with AR-721RB
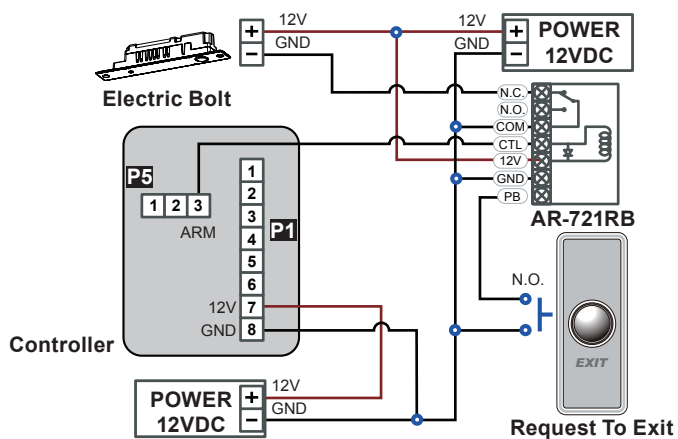
※ 1.Enable the security trigger signal: Please refer to the 34 * DDD #
2.Disable "Exit by RTE Button". (Please refer to the 20 * DDD # of function default value.)

Connect to Networking
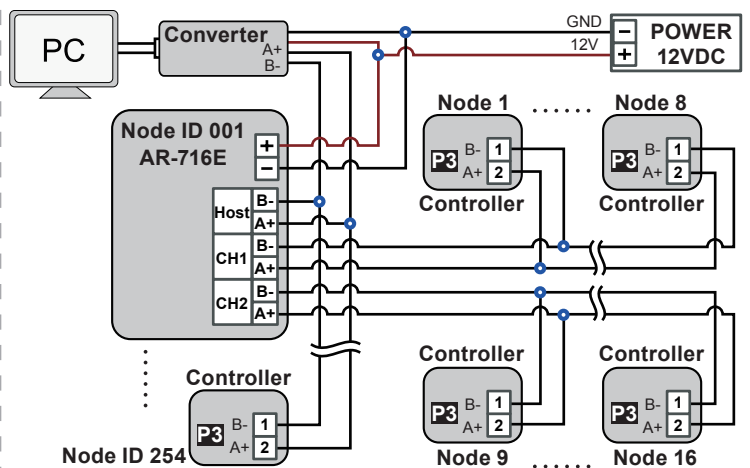
Connect to Access Control for P7

If use the AR-721RB, please refer to the top of the wiring diagram.
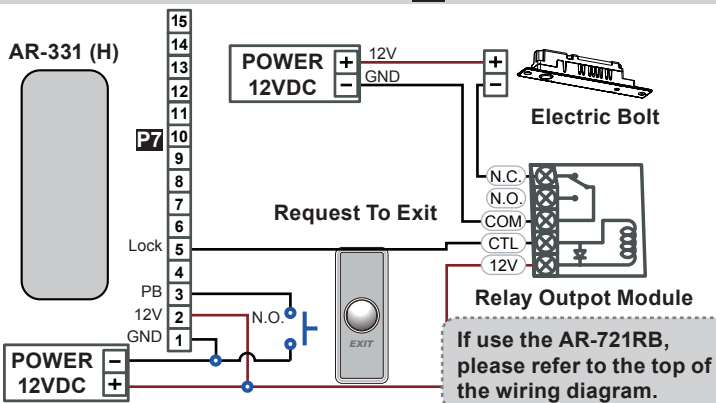
Connect to arming tools for P7

SOYAL®
ACCESS CONTROL SYSTEM

AR-321 (H) / AR-331 (H) / AR-721(H) / AR-725 (H) / AR-757 (H)
V140707
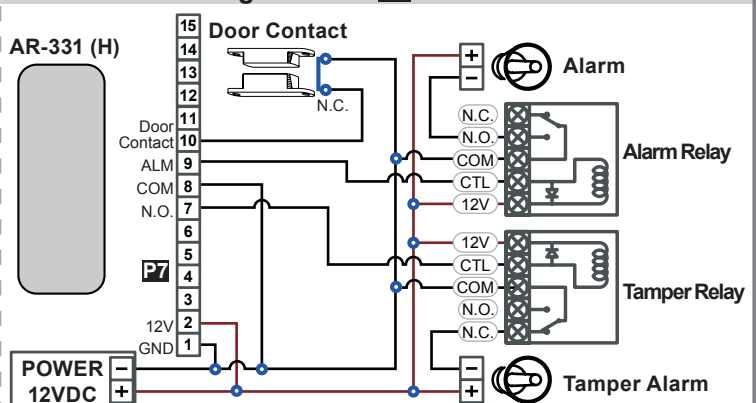
Connect to Reader for P7
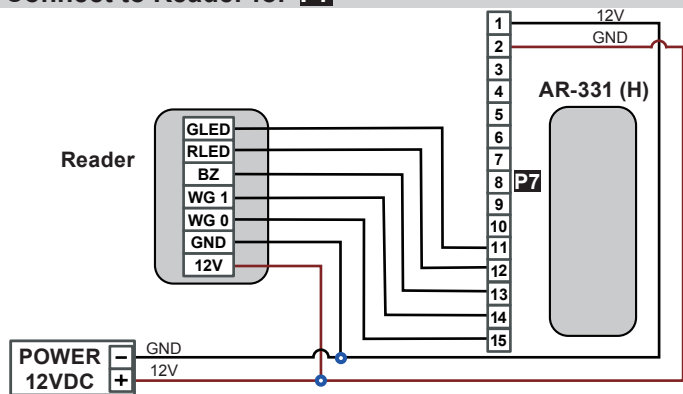
Connect to Networking for P7
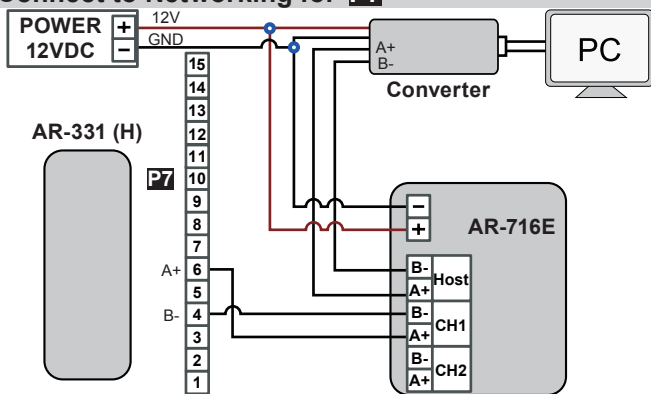
External WG keyboard

※ **If you want to program system on AR-331 (H-S) directly, please order WG keyboard then install it according to the following pattern.**
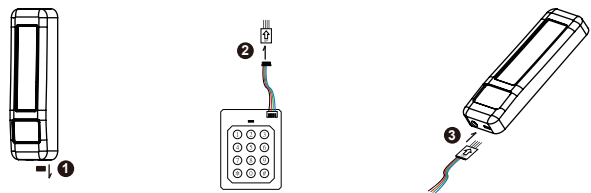
- Remove the Protection plug that at the right bottom.
  (※ Do not lose protection plug or it will affect the protection level.)
- WG Keyboard cable will be connected to the pin board.
- WG Keyboard connected to the controller from the bottom right of the hole.
- When you finish programming system, please put protection plug back to the controller.

AR-331 (H) Interaction Area

331 (HB): 125kHz
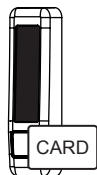
※**331 (HB) touch card-area for interaction.**

331 (HD): 13.56MHz

※**331 (HD) touch keyboard area for interaction.**

- Metal controller's Presenting scope is smaller than others, and EM:331 (HB) / MIFARE:331 (HD) is different. Refer to the above picture.

Adding and Deleting Tag

M4/M8

- **Add a Single Tag or Random tags**

  Input ✱123456 # (or Master Code) → 19 ✱ UUUUU ✱ 00001 # → Present the tag(s) to Access Controller (single tag or random tags one by one)→ Done

  [e.g.] Add 2 random cards to User Addresses No. 100 and No. 101:
  Enter program mode → 19 ✱ 00100 ✱ 00001 # → Present the tags one by one → Done

- **Add a batch of Sequential tags**

  Input ✱123456 # (or Master Code) → 19 ✱ UUUUU ✱ QQQQQ # → Present the tag (only use the tag with the **lowest number**) → OK

  [e.g.] Add 20 pcs sequential tags (62312~62331) to User Address NO.101 ~ NO.120:
  Enter program mode → 19 ✱ 00101 ✱ 00120 # → Close Tag into RF Area (only use the tag **NO.62312**) → OK

- **Delete Single Tag**

  Input ✱123456 # (or Master Code) → 10 ✱ SSSSS 9 EEEEE #

  [e.g.] Delete User Address: 00058
  Enter program mode → 10 ✱ 00058 9 00058 #

- **Delete a batch of Tags**

  Input ✱123456 # (or Master Code) → 10 ✱ SSSSS 9 EEEEE #

  [e.g.] Delete User Address: 00101~00245
  Enter program mode → 10 ✱ 00101 9 00245 #

- **Delete All Tags**

  Input ✱123456 # (or Master Code) → 29 ✱ 29 ✱ #

Tag Information (125kHz) ※ For Mifare tags, the separator between Site Code & Card Code is comma ",".

0000848795
0012:62363 — CARD CODE
— SITE CODE

0000848795   0012:62363 — CARD CODE
— SITE CODE
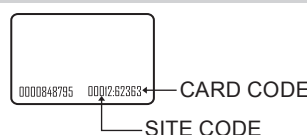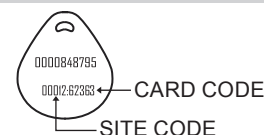
M6 ※**In this mode, User Address = Card Code**

- **Add Tags**

  Input ✱123456 # (or Master Code) → 11 ✱ SSSSS ✱ EEEEE # → OK
  [e.g.] Add User Address: 00100~01254
  Enter program mode → 11 ✱ 00100 ✱ 01254 # → OK

- **Delete Tags**

  Input ✱123456 # (or Master Code) → 10 ✱ SSSSS ✱ (or 9)EEEEE # → OK
  [e.g.] Delete a tag with card code 62362
  Enter program mode → 10 ✱ 62362 ✱ 62362 # → OK

- **Delete All Tags**

  Input ✱123456 # (or Master Code) → 29 ✱ 29 ✱ #

Operation process

A. Enter / Exit Program Mode

- **Enter the program mode**

  Input ***** 123456 **#** or ***** PPPPPP **#**

  [e.g.] The Default Value= 123456, if the Master Code is already changed= 876112, input ***** 876112 **#** → program mode entered

- **Exit the program mode**   ● **Master Code modification**

  Input ***** **#**   Enter program mode → 09 ***** PPPPPPRRRRRR **#**   [Input the 6-digit new master code twice.]

  [e.g.] Set the Master code to be 876112, input ***** 123456 **#** → 09 ***** 876112876112 **#**

B. Change the Node ID of Controller

Enter program mode → 00 ***** NNN **#**   [Node ID: 001~254; if the access controller is connected to AR-716E, its Node ID will be 001~016.]

C.Set up M4/M6/M8

Enter program mode → 04 ***** N **#** [N=4/6/8]

D. Set up the password

- **M4/M8: Private PIN**

  Card or PIN: Enter program mode → 12 ***** UUUUU ***** PPPP **#** [e.g. User Address: 00001 and pass code: 1234, input 12 ***** 00001 ***** 1234 **#**]

  Card and PIN: Enter program mode → 13 ***** UUUUU ***** PPPP **#** [e.g. User Address: 00001 and pass code: 1234, input 13 ***** 00001 ***** 1234 **#**]

- **M6: Public PIN**

  Card or PIN: Enter program mode → 15 ***** PPPP **#** [Input 4-digit PIN, default value: 4321; PPPP=0000: cancel the function of simply inputting PIN to get access]

  Card and PIN: Enter program mode → 17 ***** PPPP **#** [Input 4-digit PIN, default value: 1234; PPPP=0000: access mode will be "Card Only"]

E. Double Door Control (M4/M8)

Controller with a reader to perform the "Double Door Control".

Enter program mode → 28 ***** 064 **#** [064= Double Door Control]

F. Anti-pass-back (M4/M8)

Usually, anti-pass-back is commonly applied to parking areas in order to prevent from multi-entry with one card at a time, or to locations that need entry and exit control.

- **Enable controller**

  Enter program mode → 20 ***** DDD **#** [128= Anti-pass-back(0=Disable; 1=Enable)/ 064=Entrance/Exit(0=Exit; 1=Entrance).]

  [e.g.] Enable Anti-pass-back, and set to Exit door= (128 x 1) + (064 x 0) = 128

  Enter program mode → 20 ***** 128 **#** (Please refer to function default value for details.)

- **Enable card**

  Enter program mode → 26 ***** SSSSS ***** EEEEE ***** N **#**

  [SSSSS= Starting User Address; EEEEE= Ending User Address; N=0(control)/ 1(Not control)/ 2(reset)]

  [e.g.] Enable the anti-pass-back function of User Address from 00152 to 00684: 26 ***** 00152 ***** 00684 ***** 0 **#**

  [e.g.] The anti-pass-back function of User Address 00154 has been enabled. After presenting the card to get in, the user doesn't present the card to leave. When s/he tries to present the card to get in again, since the in-in sequence violates the anti-pass-back rule, s/he will be rejected. To solve this problem, you can reset it as follows. Enter program mode → 26 ***** 00154 ***** 00154 ***** 2 **#** → Reset

G. Auto-Open Time Zone

Door will remain open after the first flashing card. There are 2 time zones supported when Standalone, and 63 time zones when connected to AR-716E.

- **Enable/Disable auto-open time zone**

  Enter program mode → 20 ***** 004 **#** [004= enable Auto-Open Time Zone; 000= disable Auto-Open Time Zone]

- **Enable/Disable auto open door without presenting card**

  Enter program mode → 24 ***** 001 **#** [001= enable Auto-Open Time Zone; 000= disable Auto-Open Time Zone]

- **Set up auto-open time zone**

  Enter program mode → 08 ***** N ***** HHMMhhmm ***** 7123456H **#**

  N: 2 sets of auto-open zone (N=0=1st set; N=1=2nd set)

  HHMMhhmm=Staring time to ending time (e.g. 08301200=08:30 to 12:00)

  7123456H= 7 days of a week (Sun/Mon/Tue/Wed/Thu/Fri/Sat) + Holiday (H= 0: disable; 1: enable); Holidays can be set via 701Client software.

  [e.g.] To set the second time zone as 9:30 AM to 4:20 PM, Monday, Wednesday and Friday: 08 ***** 1 ***** 09301620 ***** 01010100 **#** → Done

H. Lift control

Connect with **AR-401RO16B** to control access floors of users.

- **Enable**

  Enter program mode → 24 ***** 002 **#** [002= enable lift control]

- **Single floor**

  Enter program mode → 27 ***** UUUUU ***** FF **#**

  UUUU=User Address FF=Floor number (01~32 floor)

  [e.g.] User Address NO. 45, allowed to access the 24th floor: 27 ***** 00045 ***** 24 **#**

- **Multi floors**

  Enter program mode → 21 ***** UUUUU ***** S ***** FFFFFFFF **#**

  [UUUUU=User Address S: 4 sets of lift control (Input: 0~3) FFFFFFFF: 8 floors setting (F=0: Disable, F=1: Enable)

  [e.g.] User Address NO. 168, only to the 6th and the 20th floor:

  Enter program mode → 21 ***** 00168 ***** 0 ***** 00100000 **#** → 21 ***** 00168 ***** 2 ***** 00001000 **#**

Please refer to below floor chart

Set	Floor/ Stop							
	F	F	F	F	F	F	F	F
0	8	7	6	5	4	3	2	1
1	16	15	14	13	12	11	10	9
2	24	23	22	21	20	19	18	17
3	32	31	30	29	28	27	26	25

I. Setting Up the Arming

- **Alarm conditions:**
  1. Arming is enabled
  2. Alarm system connected

- **Application:**
  1. **Door open too long**: Door is open longer than door relay time plus door close time.
  2. **Force open** (Opened without a valid user card): Access by force or illegal procedure.
  3. **Door position abnormal**: Arming is enabled and the power is suddenly off then on.

- **Enable/Disable Arming status (for M4/M8; default value of arming PWD is: 1234) :**

Standby Mode	
After door open	Do not open the door
The normal procedure to open door → **Input 4-digit arming PWD** #	***** → **Input 4-digit arming PWD** → **Present a valid card**
Enter Program Mode	
Enable: Enter program mode → * * #	**Disable:** Enter program mode → * #

※ **[The normal procedure to open door] can refer to [Access Mode].**

Function Default Value

AR-321 (H) / AR-331 (H) / AR-721 (H) / AR-725 (H) / AR-757 (H)

20 * DDD # ※Default Value

Function	Selection		Value	Application
Time Attendance	※0: Yes	1: No	001	Networking
Auto Relock	※0: Disable	1: Enable	002	Networking/Standalone
Auto Open	※0: Disable	1: Enable	004	Networking/Standalone
Exit by RTE Button	0: Disable	※1: Enable	016	Networking/Standalone
Master Controller of Network	※0: Slave	1: Mater	032	Networking
Entrance/Exit	※0: Exit	1: Entrance	064	Networking
Anti-pass-back	※0: Disable	1: Enable	128	Networking

Select the desired function, Weighted Value = Selection Index (0 or 1) x Value.
[e.g.] DDD (total weighted value of all functions): Enable "Auto Open" + "Exit by RTE Button" + "Anti-pass-back"=1*004 + 1*016 + 1*128=148; As a result of that, the command will be 20 * 148 #.

28 * DDD # ※Default Value

Function	Selection		Value	Application
Double Door Control	※0: Disable	1: Enable	064	Networking/Standalone
Force Open Alarm Output	0: Disable	※1: Enable	128	Networking/Standalone

AR-321 (H) / AR-331 (H) / AR-721 (H) / AR-725 (H)

24 * DDD # ※Default Value

Function	Selection		Value	Application
Auto Open without Presenting in Auto-open Time Zone	※0: Disable	1: Enable	001	Networking/Standalone
Alarm Output/ Lift Control	※0: Alarm Output	1: Lift Control	002	Networking/Standalone
Stop Alarm by pressing RTE Button or Closing the Door	0: None	※ 1: Yes	064	Networking/Standalone
Doorbell	※0: Disable	1: Enable	128	Networking/Standalone

AR-757 (H)

24 * DDD # ※Default Value

Function	Selection		Value	Application
Auto Open without Presenting in Auto-open Time Zone	※0: Disable	1: Enable	001	Networking/Standalone
Lift Control/ Duress Function	※0: Duress	1:Lift Control	002	Networking/Standalone
Stop Alarm by pressing RTE Button or Closing the Door	0: None	※1: Yes	064	Networking/Standalone

M4 / M6 / M8

Mode	Networking/ Standalone	User Capacity	Access Mode	Auto-show Duty time	Event log Capacity	120 Holidays	Duress Function	Time Zone	Lift Control	Anti-pass-back
M4	Networking/ Standalone	1,024 {721 (H)/757 (H)} 3,000 {321 (H)/331 (H)/ 725 (H)}	1.Card only 2.Card and PIN (4-digit PIN)+ # 3.User Address (5-digit) + PIN (4-digit Private PIN) + #	Yes	1,200 721 (H) 1,500 321 (H)/331 (H)/ 725 (H) 3,000 757 (H)	Yes	Yes	11	32	Yes
M6	Standalone	65,535	1.Card only (using 17* command to set Arming PWD as 0000) 2.Card and PIN (4-digit public PIN= Arming PWD)+ # 3.Card or PIN (4-digit public PIN= Duress code)	No	No	No	No	No	No	No
M8	Networking/ Standalone	1,024 {721 (H)/757 (H)} 3,000 {321 (H)/331 (H)/ 725 (H)}	1.Card only 2.Card and PIN (4-digit Private PIN)+ # 3.Card or PIN (4-digit Private PIN)	Yes	1,200 721 (H) 1,500 321 (H)/331 (H)/ 725 (H) 3,000 757 (H)	Yes	Yes	11	32	Yes

※ **M6:** the user capacity can be 65535 because it only reads 5-digits **CARD CODE**, while in **M4/M8** it reads both **SITE CODE** and **CARD CODE**(10 digits).

Factory Reset by its commands

- **When the device is Standalone (not networking)**
  Enter program mode → 20 * 016 # → 24 * 064 # → 26 * 00000 * 01023 * 1 # → 28 * 000 # → 29 * 29 * #
  ※Note: if the Master Code has been changed, factory reset won't restore the Master Code to 123456.

Access Controller
Touch-panel Metal Housing / Illuminated Touch-panel

V140707

Function	Command	Description	Mode
Enter program mode	* PPPPPP #	PPPPPP=Master Code, default value=**123456**	M4/M6/M8
Exit program mode	* #		M4//M6M8
Exit program mode and enter arming mode	* * #		M4/M8
Node ID setting (Connected to 716E)	00 * NNN #	NNN=Node ID of Access Controller (range: 001~016)	M4/M8
Node ID setting (Connected to the PC directly without 716E)	00 * NNN * VVV * nnn #	NNN=Node ID of Access Controller (range: 001~254) VVV=Virtual 716E Node ID, nnn=Door number (range:001~254)	M4/M8
Mifare tag / card format (Optional)	01 * N #	N: 0=ISO14443A; 1=ISO14443B; 2=ISO15693; 3=I Code1; 4=I Code2 PS.1. Please select the transmission standard first. 2. Ensure both reader and card using the same transmission standard.	M4/M8
Door Relay Time setting	02 * TTT #	TTT=Door relay time 000= Output continuously 001~600=1~600 sec. 601~609=0.1~0.9 sec.	M4/M6/M8
Alarm Relay Time setting	03 * TTT #	TTT=Alarm relay time 000= Output continuously 001~600=1~600 sec.	M4/M6/M8
Control mode setting	04 * N #	N=4: M4; N=6: M6; N=8: M8	M4/M6/M8
Arming Delay Time setting	05 * TTT #	TTT=the buffer time before entering arming mode 001~600=1~600 sec.	M4/M6/M8
Alarm Delay Time setting	06 * TTT #	TTT=the buffer time before the alarm is activated 001~600=1~600 sec.	M4/M6/M8
Master card (Administrator) setting	07 * SSSSS * EEEEE #	SSSSS-EEEEE=00000-01023 (00000-03000 for AR-725H); SSSSS=Starting User Address; EEEEE=Ending User Address	M4/M8
Auto-open time zone setting	08 * N * HHMMhhmm * 7123456H #	N= 0 (1st time zone) / 1 (2nd time zone) HHMM= Starting time; hhmm= ending time (i.e.: 08301600=08:30 to 16:00) 7123456H= 7 days of week (Sun/Mon/Tue/Wed/Thu/Fri/Sat)+ Holiday (H= 0: disable; 1: enable); Holidays can be set by 701Client software.	M4/M6/M8
Master code setting	09 * PPPPPPRRRRRR #	PPPPPP=6-digit new master code RRRRRR=Reconfirm the new master code	M4/M6/M8
Suspend / Delete tag	10 * SSSSS * EEEEE # (M6) 10 * SSSSS 9 EEEEE # (M4/M8)	* =Suspend 9 =Delete; SSSSS=Starting User Address, EEEEE=Ending User Address	M4/M6/M8
Add a batch of sequential cards by inputting card number (M6)	11 * SSSSS * EEEEE #	SSSSS=Starting card number EEEEE=Ending card number	M6
Recover the suspended cards	11 * SSSSS * EEEEE #	SSSSS=Starting User Address EEEEE=Ending User Address	M4/M8
Set the access mode of the user at the designated User Address as "Card or PIN"	12 * UUUUU * PPPP #	Access mode: **Card or PIN**; UUUUU=User Address; PPPP=4-digit private PIN (0001~9999); **0000=Card Only** for this user	M4/M8
Set the access mode of the user at the designated User Address as "Card & PIN"	13 * UUUUU * PPPP #	Access mode: **Card & PIN**; UUUUU=User Address; PPPP=4-digit private PIN (0000~9999)	M4/M8
Arming Pulse Time setting	14 * TTT #	TTT=Arming output time; 000=output continuously 001~250=0.1~2.5 sec.	M4/M8
M4/M8:Duress code setting M6:Public PIN setting for access mode "Card or PIN"	15 * PPPP #	PPPP=4-digit duress code (0001~9999; default value=**4321**; **0000**=disable the function of simply inputting PIN to get access in M6)	M4/M6/M8
Card number modification	16 * UUUUU * SSSSSCCCCC #	UUUUU= User Address; SSSSS=5-digit site code; CCCCC=5-digit card code	M4/M8
M4/M8:Arming PWD setting M6:Public PIN setting for access mode "Card & PIN"	17 * PPPP #	PPPP=4-digit Arming PWD (0001~9999; default value=**1234**; **0000**= access mode will become "**Card Only**" in M6)	M4/M6/M8
Door Close Time	18 * TTT #	TTT=Door Close Time: 001~600=1~600 sec.; default value: 15 sec.	M4/M6/M8
Add card by presenting(M4/M8)	19 * UUUUU * QQQQQ #	UUUUU=User Address; QQQQQ=Card quantity (**00001**: for adding a single card or a batch of random numbering cards)	M4/M8
Reader additional setting	20 * DDD #	Please refer to function default value for details.	M4/M6/M8
Lift control setting: multi-floor	21 * UUUUU * S * FFFFFFFF #	UUUUU=User Address, S=4 sets of lift control (0~3); FFFFFFFF=8 assigned floor (F=0: Disable, 1: Enable)	M4/M8
Add/Delete tag by presenting (M6 only)	22 * N #	N=0(Delete tag); N=1(Add tag)	M6
AR-401RO16 Lift Relay Activated TM	23 * NNN * TTT #	NNN=site number, TTT= relay time: 000~600=1~600 sec.	M4/M8
Controller parameter setting	24 * DDD #	Please refer to function default value for details.	M4/M6/M8
Controller time clock setting	25 * YYMMDDHHmmss #	YYMMDDHHmmss: Year/ Month/ Day/ Hour/ Min./ Sec.	M4/M6/M8
Anti-pass-back (Enable user)	26 * SSSSS * EEEEE * N #	SSSSS=Starting User Address; EEEEE=Ending User Address; N=0: Enable; N=1: Disable; N=2: Reset	M4/M8
Lift control setting: single floor	27 * UUUUU * FF #	UUUUU=User Address; FF=Floor (01~32 floor)	M4/M8
Double Door Control / Force Open Alarm	28 * DDD #	Please refer to function default value for details.	M4/M6/M8
Delete all tags	29 * 29 * #		M4/M6/M8
Enable the security trigger signal (with AR-721RB)	34 * 128 # (321H/721H/725H/757H) 34 * 064 # (331H) 34 * 000 # (Disable)	Change the "Arming" (in P5) to the security trigger signal, when controller is connected with AR-721RB.	M4/M6/M8