
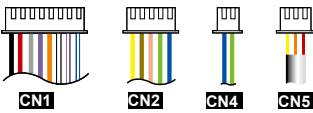




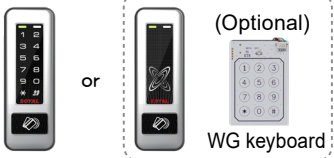
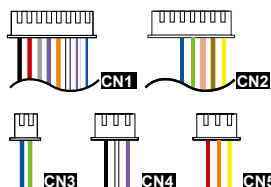
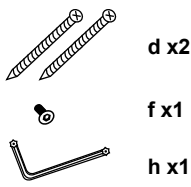
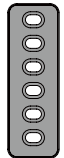

Contents

AR-321-H: Touch-panel Metal Housing




- 1 Product 
- 2 Terminal Cables 
- 3 Tools 
- 4 Water proof Strip 

AR-331-H: Touch-panel Metal Housing / AR-331-H-S: Metal Housing

※ Additional external relay must be purchased.

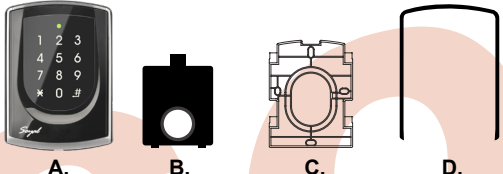
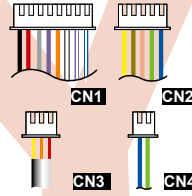
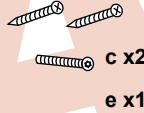
- 1 Product 
- 2 Terminal Cables 
- 3 Tools 
- 4 Accessories 
- 5 Optional 

AR-721-H

- 1 Product 
- 2 Terminal Cables 
- 3 Tools 

AR-725-H: Illuminated Touch-panel

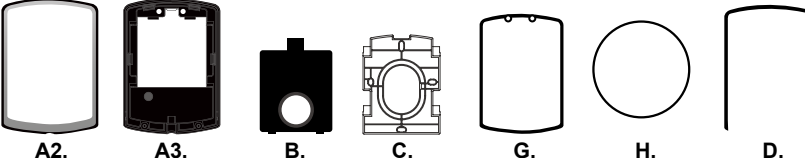
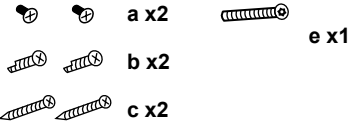
AR-725-H-M

- 1 Products 
- 2 Terminal Cables 
- 3 Tools 


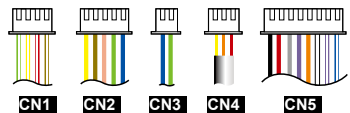

AR-725-H

- 1 Products 
- 2 Terminal Cables 
- 3 Tools 









AR-725 (X)

- 1 Products 
- 2 Tools 

AR-757-H

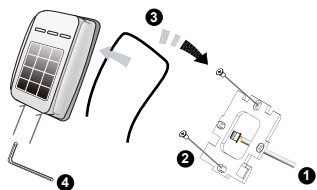
- 1 Product 
- 2 Terminal Cables 
- 3 Tools 

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

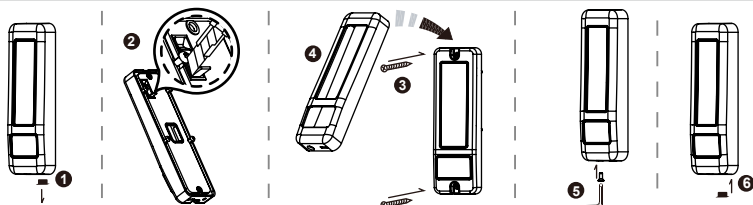
Installation

AR-321-H



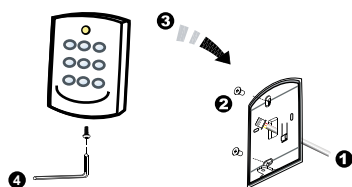
- Pull the cables from the square hole of the mounting plate.
- Use a screwdriver to screw the mounting plate onto the wall.
- Attach the water proof strip to the body, then connect the terminal cables to the body and attach the body to the mounting plate.
- Use the Allen key and screws (accessories 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.

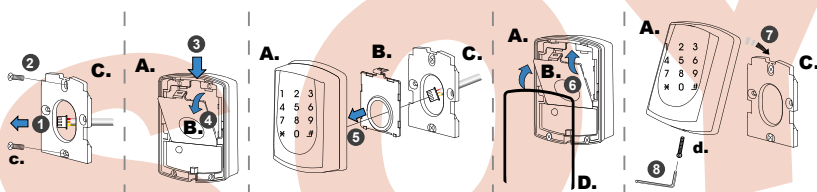
AR-721-H



- 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.

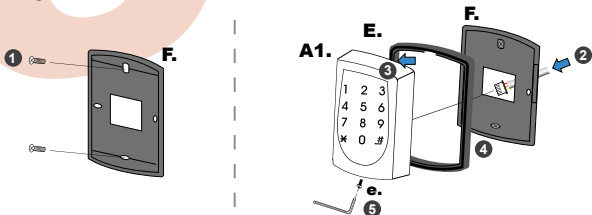
AR-725-H

AR-725-H-M



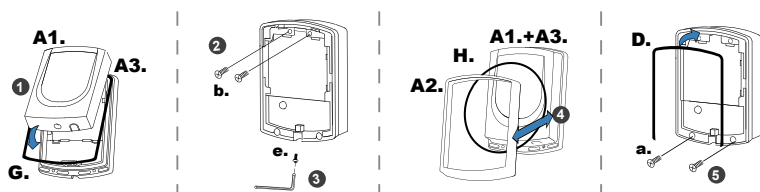
- Pull the cables from the square access hole of the mounting plate C.
- Use a screwdriver to screw the metal plate C onto the wall.
- Take off the plastic mounting plate B from the body A, and pull the cables through the access hole of C and B, then connect to the body A.
- Assemble plate B with the 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



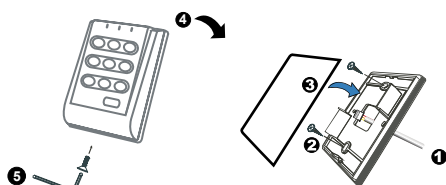
- Use a screwdriver to screw the base F onto the wall.
- Attach the water proof gasket to the body A1, and pull the cables from the square hole of the base F, and connect to the body A1.
- Assemble the body A1 with the base F.
- Screw A1 and F tight with the Allen key and screws (accessories supplied).
- 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

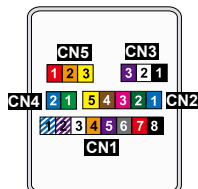
- 1.Tubing:** The communication wires and power line should NOT be bound in the same conduit or tubing.
- 2.Wire selection:** Use AWG 22-24 Shielded Twist Pair to avoid star wiring.
- 3.Power supply:** Don't equip controller and lock with the same power supply. The power for controller may be unstable 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

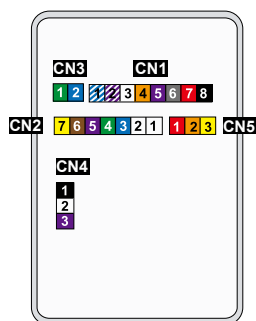
13.56MHz



AR-331-H / AR-331-H-S

125kHz

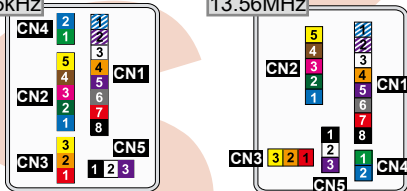
13.56MHz



AR-721-H

125kHz

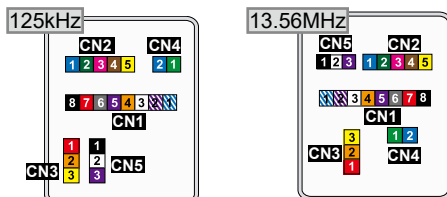
13.56MHz



AR-725-H

125kHz

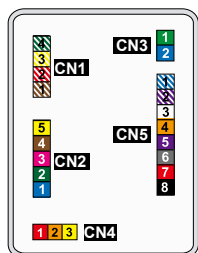
13.56MHz



AR-757-H

125kHz

13.56MHz



Cable : Power/Door/Alarm

| AR-321-H | AR-331-H | AR-721-H | AR-725-H | AR-757-H |
|------------|------------|------------|------------|------------|
| CN1 | CN1 | CN1 | CN1 | CN5 |

| 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 : WG **CN2**

(Apply to 321H/721H/725H/757H)

| 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 |

(Apply to 331H)

| Wire Application | Pin | Color | Description |
|------------------|-----|------------|-------------------------------|
| --- | 1 | -- | Reserved |
| | 2 | -- | Reserved |
| Wiegand Reader | 3 | Thin Blue | Wiegand DAT:1 Input |
| | 4 | Thin Green | Wiegand DAT:0 Input |
| Beeper | 5 | Pink | Beeper Output 5V/100mA, Low |
| LED | 6 | Brown | LED Green Output 5V/20mA, Max |
| | 7 | Yellow | LED Red Output 5V/20mA, Max |

Cable : Burglary (Optional)

| AR-321-H | AR-331-H | AR-721-H | AR-725-H | AR-757-H |
|------------|-----------------------|------------|------------|----------|
| CN3 | CN4 (Included) | CN5 | CN5 | --- |

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

Cable : RS-485

| AR-321-H | AR-331-H | AR-721-H | AR-725-H | AR-757-H |
|------------|------------|------------|------------|------------|
| CN4 | CN3 | CN4 | CN4 | CN3 |

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

Cable : Tamper

※After S/N: 0706-XXXXXX

| AR-321-H | AR-331-H | AR-721-H | AR-725-H | AR-757-H |
|------------|------------|------------|------------|------------|
| CN5 | CN5 | CN3 | CN3 | CN4 |

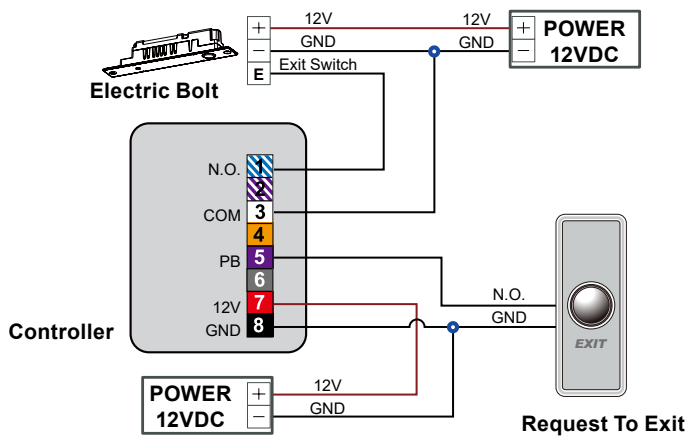
| Wire Application | Pin | Color | Description |
|------------------|-----|--------|-------------|
| Tamper Switch | 1 | Red | N.C. |
| | 2 | Orange | COM |
| | 3 | Yellow | N.O. |

Cable : Burglary / Security Relay **CN1** (Apply to 757-H)

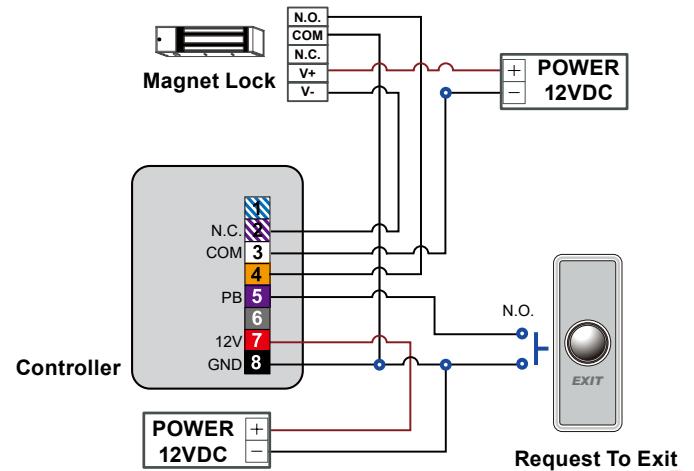
| Wire Application | Pin | Color | Description |
|------------------|-----|--------------|---|
| Doorbell | 1 | Brown White | BE Output |
| Arming | 2 | Red White | AR Output/ Security trigger signal Output |
| Duress | 3 | Yellow White | DU Output/ TTL out |
| LED indicator | 4 | Green White | Hi input/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

Wiring Diagram

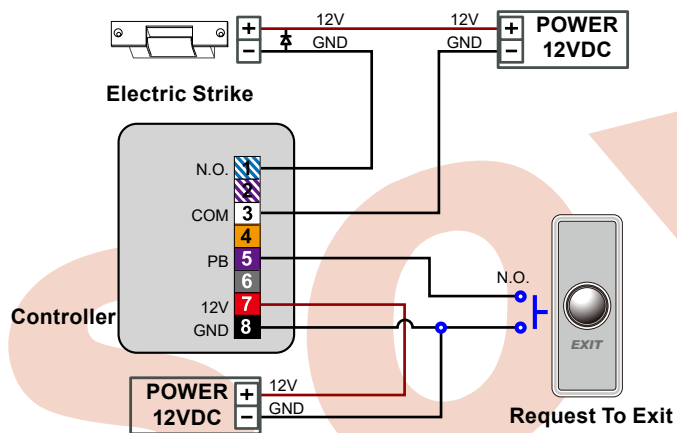
Connect to Electric Bolt



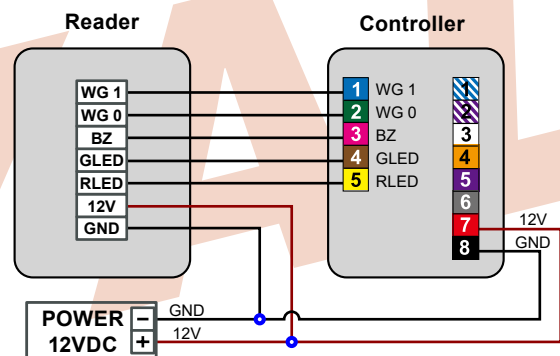
Connect to Magnetic Lock



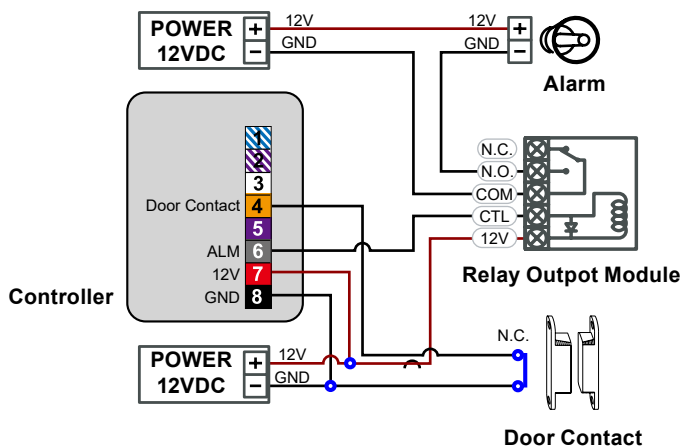
Connect to Electric Strike



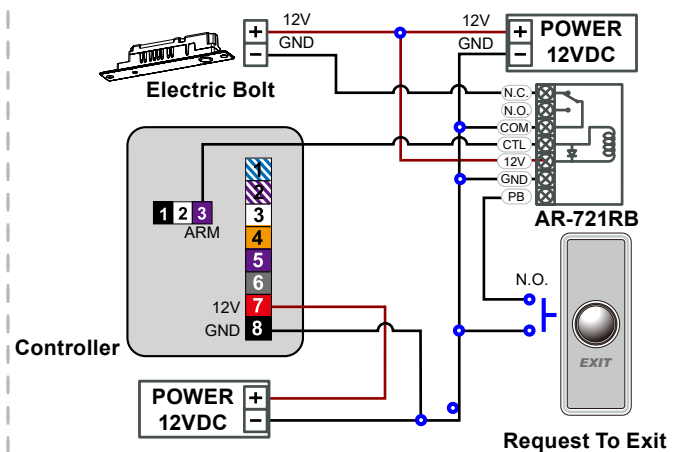
Connect to Reader



Connect to Door Sensor



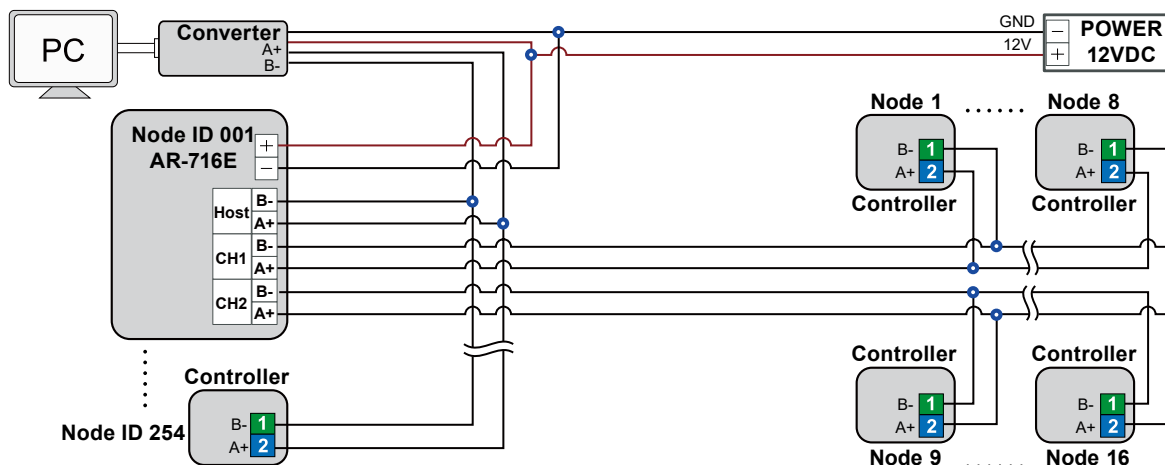
Strengthen security with AR-721RB



※ 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.)

Wiring Diagram

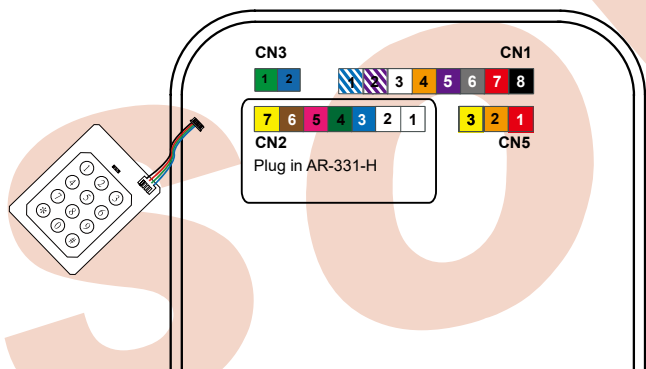
Connect to Networking



AR-331-H External WG keyboard

※ If you want to program system on AR-331-H directly, please order WG keyboard then install it according to the following pattern.

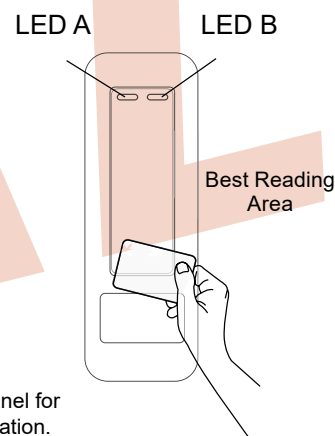
- Plug AR-331-H into CN2 connector on the mainboard
- Refer to command list and start to operate AR-331-H.



AR-331-H Front Panel & Indicator

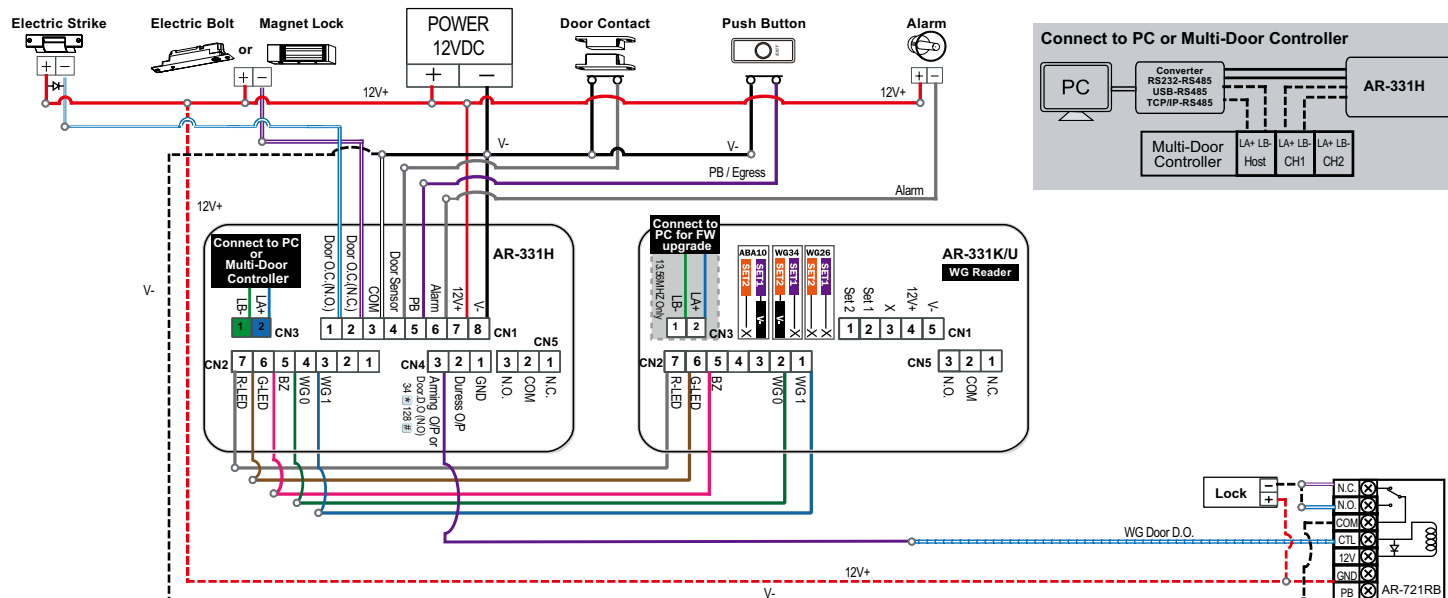
| LED A | Description |
|--------|---------------------------------------|
| Blue | Arming / Blue LED Input (Active High) |
| Yellow | Yellow LED Input (Active High) |

| LED B | Description |
|-------|-----------------------|
| Green | Power-on/Stand-by /OK |
| Red | Error/Alarm |



While power on the device, hands off panel for 10 sec. to make sure a successful activation.

AR-331-H Connector Table



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* QQQQ# → 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#

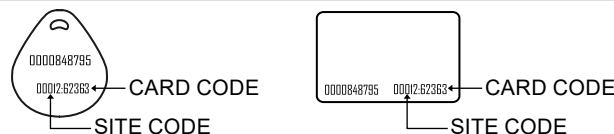
[e.g.] Delete User Address: 00101~00245

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 ",".



M6 ※In this mode, User Address = Card Code ※In this mode, Card and PIN, If you want to modify refer to password setting 17 *

• 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

• Add tag by presenting: Input *123456# (or Master Code) → 22 *1# → Present the tag to Access Controller → OK

• Delete tag by presenting: Input *123456# (or Master Code) → 22 *0# → Present the tag to Access Controller → OK

• Delete All Tags: Input *123456# (or Master Code) → 29 *29*#

• 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

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

Input *#

• Master Code modification

Enter program mode → 09 *PPPPPPRRRRR# [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=Starting 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-401-RO16 to control access floors of users.

• Enable

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

• Single floor

Enter program mode → 27 * UUUUU * FF #

UUUUU=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 |

| 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 |

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 #.

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.

Command List

| Function | Command | Description | Mode |
|---|---|--|----------|
| Enter program mode | * PPPPPP # | PPPPPP=Master Code, default value=123456 | M4/M6/M8 |
| Exit program mode | * # | | M4/M6/M8 |
| 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-EEEEEE=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 * PPPPPRRRRRR # | 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 EEEEEE=Ending card number | M6 |
| Recover the suspended cards | 11 * SSSSS * EEEEE # | SSSSS=Starting User Address EEEEEE=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:Duess 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 |
| Same tag reading interval time | 31 * TTTT # | Base on 10ms, range from 10 to 6000 | M4/M6/M8 |

Access Controller

Touch-panel Metal Housing / Illuminated Touch-panel

V210924

| Function | Command | Description | Mode |
|---|------------|--|----------|
| Enable the security trigger signal (with AR-721RB) | 34 * DDD # | Change the "Arming" (in 25) to the security trigger signal, when controller is connected with AR-721RB. Please refer to function default value for details. | M4/M6/M8 |

34 * DDD #

※Default Value

| Function | Selection | | Value | Application |
|--|----------------|-------------|-------|-----------------------|
| Enable the RF after door sensor closed to GND | ※0: Deactivate | 1: Activate | 001 | Networking/Standalone |
| Invalid card to activate alarm relay | ※0: Deactivate | 1: Activate | 002 | Networking/Standalone |
| Turn off all sounds of beeper | ※0: Deactivate | 1: Activate | 003 | Networking/Standalone |
| Mute the sounds of egress button (RTE) | ※0: Deactivate | 1: Activate | 004 | Networking/Standalone |
| Reserved | ※0: Deactivate | 1: Activate | 016 | Networking/Standalone |
| Keep beeping while arming is enabled | ※0: Deactivate | 1: Activate | 032 | Networking/Standalone |
| Door relay connected to AR-721RB (suited to models without relay built-in) | ※0: Deactivate | 1: Activate | 064 | Networking/Standalone |
| Arm relay connected to AR-721RB (suited to models with relay built-in) | ※0: Deactivate | 1: Activate | 128 | Networking/Standalone |



SOYAL