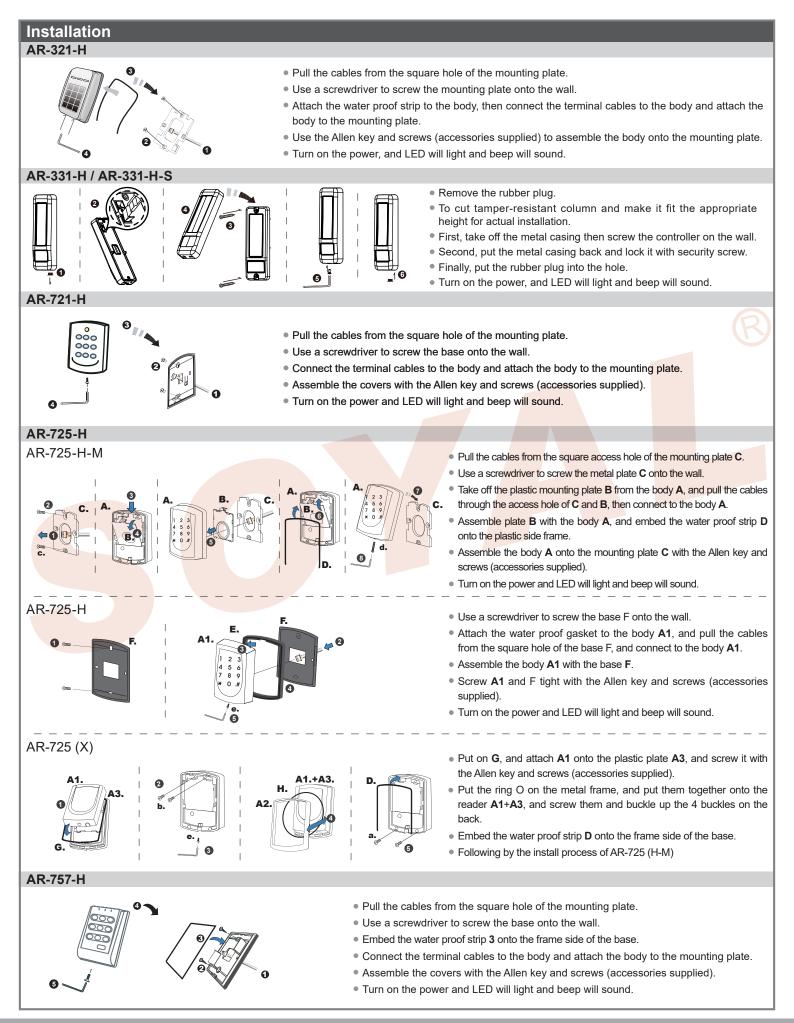


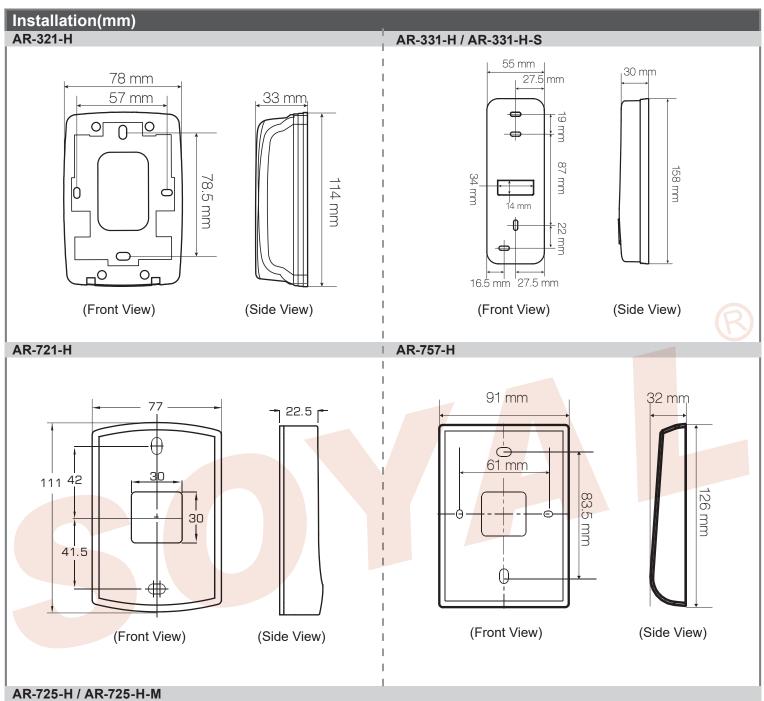
ROHS SOR FC CE NINCC

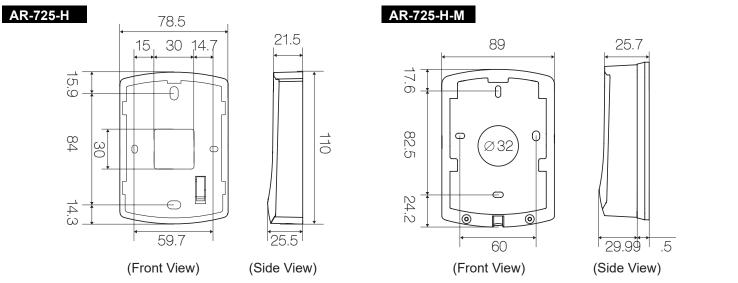
Access Controller

Touch-panel Metal Housing / Illuminated Touch-panel









- 3 -

Touch-panel Metal Housing / Illuminated Touch-panel

ROHS SOR FC CE NINCC

V230223

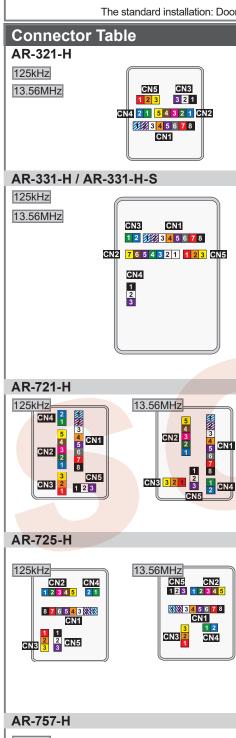
Notice

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.



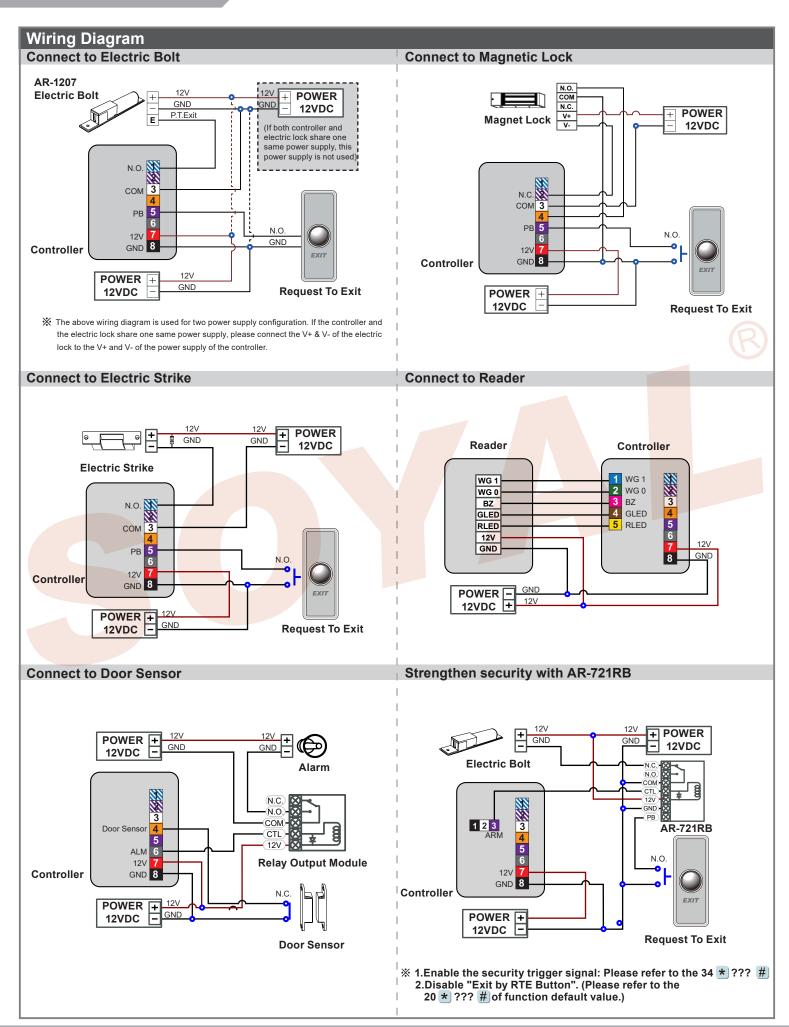
125kHz	

13.56MHz

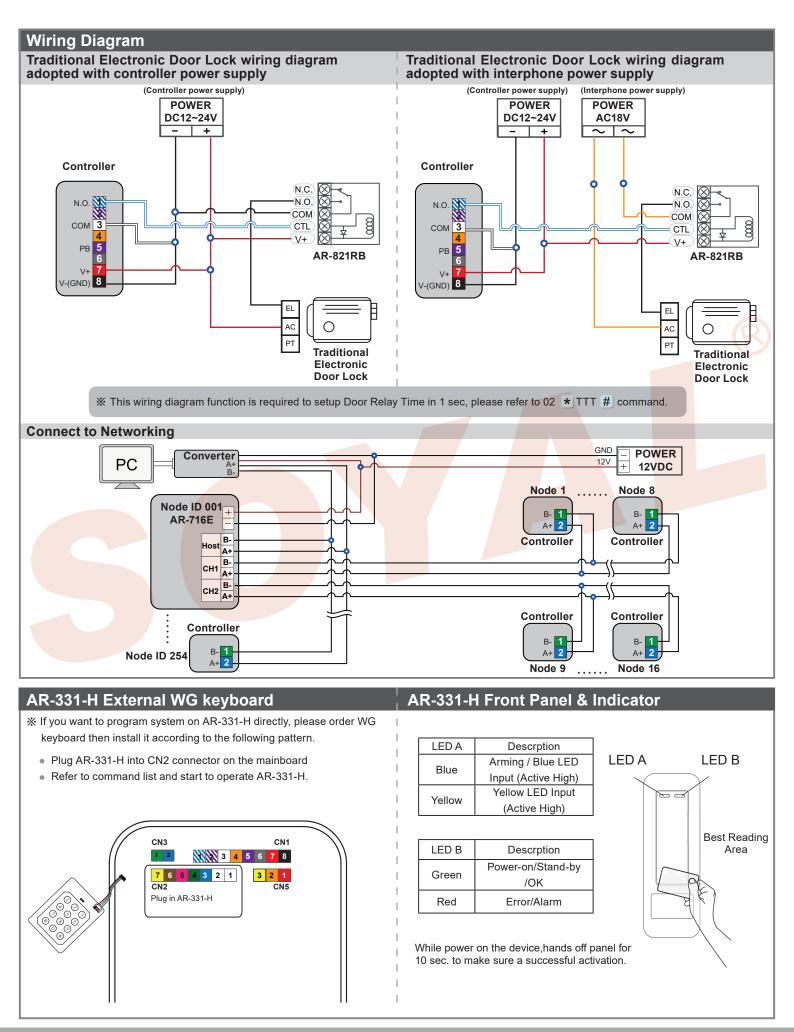


Cable : Powe	r/Do	or/Alarm								
AR-321-H	۸R	-331-H	AR-721-H	AR-725-H	AR-757-H					
CN1		CN1		CN1 CN1 CN5						
Wire Application		Color	Description							
Lock Relay	1	Blue White	(N.O.) DC24V1A							
0.0014.5	2	Purple White								
Common-COM-Poin Door Sensor	t 3 4	White Orange	(COM) DC24V1A Negative Trigger							
Exit Switch	5	Purple	Negative Trigger							
Alarm Relay	6	Gray	Low output; Max		en Collector)					
Power	7	Thick Red	DC Power 12V							
	8	Thick Black	DC Power 0V		R					
Cable : WG 🖸	N2			(Apply to 22)						
		Ostan	Description	(Apply to 32	1H/721H/725H/757H)					
Wire Application		Color	Description							
Wiegand	1	Thin Blue	Wiegand DAT:1 I							
Deener	2	Thin Green Pink	Wiegand DAT:0 I Beeper Output 5							
Beeper	4	Brown	LED Green Output 5		v					
LED	5	Yellow	LED Red Output		<u>^</u>					
		Tenew			(Apply to 331H)					
Wire Application	Pin	Color	Description							
	1		Reserved							
	2		Reserved							
Wiegand Reader	3	Thin Blue	Wiegand DAT:1 In	nput						
Wieganu Reader	4	Thin Green	Wiegand DAT:0 In	nput						
Beeper	5	Pink	Beeper Output 5	//100mA, Low						
LED	6	Brown	LED Green Outpu		X					
	7	Yellow	LED Red Output	5V/20mA, Max						
Cable : Burgl	ary	(Optional)								
AR-321-H	AF	R-331-H	AR-721-H	AR-725-H	AR-757-H					
CN3	CN	4 (Included)	CN5	CN5						
					1					
Wire Application			Description							
3-PIN Connector		Black	GND.							
	2	White Purple	Duress Arming/ Security	triggor olgoal						
	1 0	Fulple	Anning/ Security							
Cable : RS-48	55									
AR-321-H		-331-H	AR-721-H	AR-725-H	AR-757-H					
CN4		CN3	CN4	CN4	CN3					
Wire Application	Pin	Color	Description							
Networking	1	Thick Green	· ·							
Module	2	Thick Blue	RS-485(A+)							
				× A 54 -	- O/NI- 0700 VVVVVV					
Cable : Tamp		004.11		1	r S/N: 0706-XXXXXX					
AR-321-H		-331-H	AR-721-H	AR-725-H	AR-757-H					
CN5		CN5	CN3	CN3	CN4					
Wire Application	Pin	Color	Description							
	1	Red	N.C.							
Tamper Switch		Orongo	СОМ							
Tamper Switch	2	Orange								
Tamper Switch		Yellow	N.O.							
	2 3	Yellow		(Apply to 757	-H)					
	2 3 ary	Yellow / Security	N.O. Relay CN1 Description	(Apply to 757	-H)					
Cable : Burgl	2 3 ary	Yellow / Security	Relay CN1 Description	(Apply to 757	-H)					
Cable : Burgl Wire Application	2 3 ary Pin	Yellow / Security Color	Relay CN1 Description							
Cable : Burgl Wire Application Doorbell	2 3 ary Pin 1	Yellow / Security Color Brown White Red White Yellow White	Relay CN1 Description BE Output AR Output/ Secu DU Output/ TTL c	rity trigger signal						
Cable : Burgl Wire Application Doorbell Arming	2 3 ary 1 2	Yellow / Security Color Brown White Red White Yellow White	Relay CN1 Description BE Output AR Output/ Secu	rity trigger signal						



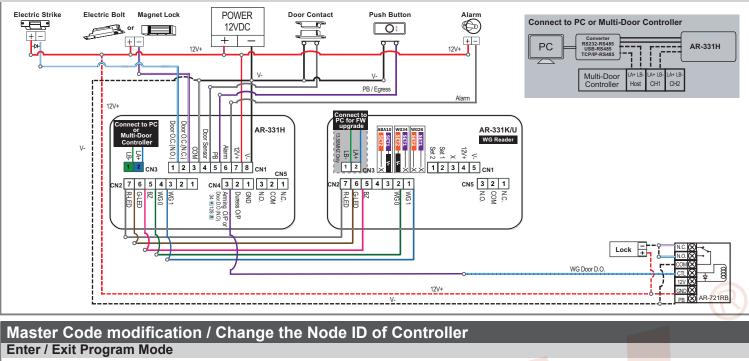


Touch-panel Metal Housing / Illuminated Touch-panel





AR-331-H Connector Table



• Enter the program mode

Input *****123456 **#** or *****PPPPP **#**

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

Exit the program mode

Input \star #

Master Code modification

Enter program mode $\rightarrow 09 \text{ * PPPPPRRRRR } \#$ [Input the 6-digit new master code twice.] [e.g.] Set the Master code to be 876112, input * 123456 $\# \rightarrow 09 \text{ * } 876112876112 \ \#$

Change the Node ID of Controller

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

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	{721-H/757-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	,	1.Card only (using 17* command to set Arming PWD as 0000) 2.Card and PIN (4-digit public PIN)+ # 3.Card or PIN (4-digit public PIN)	No	No	No	No	No	No	No
M8 (Default Value)	Networking/ Standalone	3,000	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).
 Confirm the access mode by assessing the beep sounds while entering the Program Mode(M4-4 beeps/M6-6 beeps/M8-8 beeps)

* Default Card UID Length is 4 (Could not change by command and only be able to change by customized firmware)

C.Set up M4/M6/M8

Enter program mode \rightarrow 04 \star N # [N=4/6/8]

(Note : The modification of controller mode between M4/M8(networking) and M6(standalone) will reset the data, user data will be required to rebuild.)

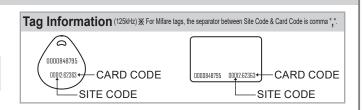
Adding and Deleting Tag

M4/M8

Add New Tags

Add by Presenting Tags (apply to Single Tag or a Batch of Tags)

%Important Notice: Please remember the last user address being added to make sure the old user data is not being over written with the new card in the future.



Touch-panel Metal Housing / Illuminated Touch-panel

Add Non-consecutive Tags:		
[Add single tag] Add a new tag for selected user address 100: Enter program mode \rightarrow 19 \star 00100 \star 00001 $\#$ \rightarrow Preser	nt the tag $ ightarrow$ Successfully added tag of	of user 100
[Add 2 additional tags] Add new tags to the following user address Enter program mode → 19 ★00101 ★00001 # → Presen → Successfully added tags of user 101-102)2) card
[Add 10 additional tags] Add new tags to the following user addres Enter program mode → 19 ★00103 ★00001 # → Presen →Present (User 111) card →Present (User 112) card →Suc	t (User 103) card \rightarrow Present (User 10	
Add Consecutive Tags:		
[Add 50 consecutive tags] Add 50 new tags with consecutive card Enter program mode → 19 ★00050 ★001001 # →Succe		50-00150:
Suspend Tags		
 Suspend Single Tag or a Batch of Tags (by Card Code in Seq 	uence)	
Input $*123456 \#$ (or Master Code) $\rightarrow 10 *$ SSSSS *EEEEE	#	
[e.g.] Suspend by Card Code: 00058		B
Enter program mode $\rightarrow 10 \pm 00058 \pm 00058 \#$		
[e.g.] Suspend by Card Code: 00058~00063 Enter program mode \rightarrow 10 \star 00058 \star 00063 #		
Delete Tags		
 Delete Single Tag or a Batch of Tags (by Card Code) 		
Input $*123456 \#$ (or Master Code) $\rightarrow 10 *$ SSSSS 9 EEEE [e.g.] Delete by Card Code: 00058 Enter program mode $\rightarrow 10 * 00058 $ 9 00058 #		(or Master Code) → 29 ★ 29 ★ #
[e.g.] Delete by Card Code: 00058~00063		
Enter program mode → 10 ★ 00058 9 00063 #		
The default value of access function of M6 is Card and PIN, it will hav number after card presentation. Access function modification please	e refer the table below:	Tag Information (125kHz) % For Mifare tags, the separator between Site Code & Card Code is comma ",".
Access Mode Command Card and PIN 17 * ???? #) 15 * 0000 #) ????=4-digit PI	Description N(0001~9999 ; default value=1234)	
Card only 17 * 0000 # 15 * 0000 #	(0001-3333, deladit value-1234)	CARD CODE DUDDEAR755 DUDDEAR755 DUDDEAR755 DUDDEAR755
	N(0001~9999 ; default value=4321)	SITE CODE SITE CODE SITE CODE SITE CODE
Add New Tags		
• Add a Single Tag (by Presenting the Tag) : Input $*123456 \ \#$ (or Master Code) $\rightarrow 22 \ *1 \ \#$		*Card Code should not be repeated $de(r) \rightarrow 11 * SSSSS * EEEEE # \rightarrow OK$
[e.g.] Add single tag :	[e.g.] Add one card with Card Cod	de 61632
Enter program mode \rightarrow 22 * 1 # \rightarrow Present the tag to Access Controller \rightarrow OK	Enter program mode \rightarrow 11 \rightarrow	
• Add a Batch of Tags (by Presenting the Tags):	 Add a Batch of Tags(by Card C	ode) ※Card Code should not be repeated
Input $*123456 \ \#$ (or Master Code) $\rightarrow 22 \ *1 \ \#$		ode) \rightarrow 11 * SSSSS * EEEEE # \rightarrow OK
[e.g.] There are 20 tags to add: Enter program mode → 22 ★1 #	[e.g.] Add a batch of user with see	quential Card Number of user address 12058
\rightarrow Present 20 tags one by one \rightarrow OK	until 12559 (total 500 tags) Enter program mode \rightarrow 11	+ 12058 + 12500 # > OK
Delete Tags	Enter program mode \rightarrow 11	▲ 12058 ▲ 12599 # → OK
 Delete Tag (by Presenting the Tag) : 		
Input ★ 123456 #)(or Master Code) → 22 ★ 0 #)		
[e.g.] Delet single tag: Enter program mode \rightarrow 22 \bigstar 0 $\#$ \rightarrow Present the tag to		



• Delete Tags (by Card Code) :

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

• Delete All Tags:

Input *123456 (or Master Code) $\rightarrow 29$ *29 * #

Operation process

Set up the password

• M4/M8: Private PIN

Card or PIN: Enter program mode \rightarrow 12 * UUUUU * ???? # [e.g. User Address: 00001 and pass code: 1234, input 12 * 00001 * 1234 #] Card and PIN: Enter program mode \rightarrow 13 * UUUUU * ???? # [e.g. User Address: 00001 and pass code: 1234, input 13 * 00001 * 1234 #]

M6: Public PIN

Card or PIN: Enter program mode \rightarrow 15 *???? # [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 \rightarrow 17 *???? # [Input 4-digit PIN, default value: 1234; PPPP=0000: access mode will be "Card Only"]

Dual-door Control (M4/M8)

Controller equipped with a reader, the reader will be available to control another door..

Enter program mode \rightarrow 28 \star 064 # [064= Dual-door Control]

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 * ??? # [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 \rightarrow 20 \star 128 # (Please refer to function default value for details.)

Enable card

Enter program mode \rightarrow 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 $\rightarrow 26 * 00154 * 2 \# \rightarrow \text{Reset}$

Auto Open Access (uncontrolled) Time Zone – Automatically Release Door Lock

Door will remain open after flashing one valid card. There are 2 time zones supported when Standalone, and 63 time $\frac{1}{4}$ pnes when connected to AR-716-E. Please refer to paragraph Compound Command Function List below to ensure command 20 *??? # / 24 *??? will not reset the functions that already had been changed.

• 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 one valid card and Automatically release door lock when auto open time is up

Enter program mode \rightarrow 24 \star 001 # [001=enable auto-open door without presenting one valid card: 000=disable auto-open door without presenting one valid card]

Set up auto-open time zone

Enter program mode \rightarrow 08 *****N *****HHMMhhmm *****111111H **#**

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)

1111111H = 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: $08 \times 1 \times 09301620 \times 01010100 \# \rightarrow Done$ Touch-panel Metal Housing / Illuminated Touch-panel

H. Lift control		
Connect with AR-401-IO-0016R to control access floo • Enable	rs of users.	
Enter program mode $\rightarrow 24 \times 002 \#$ [002= enable li	ift control]	
Single floor	-	
Enter program mode \rightarrow 27 * UUUUU * FF #		
UUUU=User Address FF=Floor number (01~32 floor	,	
[e.g.] User Address NO. 45, allowed to access the 24	th floor: 27 * 00045	* 24 #
• Multi floors		Please refer to below floor chart
Enter program mode → 21 ★UUUUU ★S ★FFFFF [UUUUU=User Address S: 4 sets of lift control (Input		Floor/ Stop Set
8 floors setting (F=0: Disable, F=1: Enable)		
[e.g.] User Address NO. 168, only to the 6th and the 2	20th floor	0 8 7 6 5 4 3 2 1 1 16 15 14 13 12 11 10 9
Enter program mode $\rightarrow 21 \times 00168 \times 0 \times 001$		2 24 23 22 21 20 19 18 17
→ 21 * 00168 * 2 * 00001000 #		3 32 31 30 29 28 27 26 25
I. Setting Up the Arming		
	ande) or Arming Mode	le according to user requirement, the alarm triggering application of two
modes are different, please refer to the graphical desc		
Alarm triggering condition of Disarming		ing condition of Arming Mode:
Mode:	1. Exceed max	x. open time: Door is opened exceeding door maximum open time limit
1. Forced open	plus door clo	
		n: Access by force or illegal procedure, rather than valid card, PIN or
	biometric rec	cognition. ed: Controller restart after power has returned in power outage
	-	t door status abnormal.
Disarming Mode		Arming Mode
Alarm Triggering	Alarm Triggering Condition	
door is forced		Exceed maximum
A open	2 wedged	open time
Arming Setting and Alarm Trigger Procedure :		
1.Normal Opening		÷.
Green Led Flash Green Led Flas	h Quickly	Red Led Flash Quickly
Enable Arming Arming Delay TM 🧿 (⁷)	Door Relay TM 🕑	Door Close TM 🕑 Alarm Delay TM 🥙 Alarm Relay TM
Standby Mode	i C	
(Arming is not enable) Enable	Door ope	en <u>Alarm trigger</u>
Arming Status	l.	
2.Abnormal Opening		
	.	- 本
Green Led Flash Green Led Flash	I Quickly Red I	Led Flash Quickly
Enable Arming Arming Delay TM 🧿 🕻	Alarm Delay TM	Alarm Relay TM
Standby Mode		-Alarm trigger
(Arming is not enable) Enable Arming Status	Alarm Trigge	
• Enable/Disable Arming status (for M4/M8):		
Enter Programming Mode	Without Enter Progr	ramming Mode (Standby Mode): Enter Arming Code (default value of arming PWD is: 1234)
Enable: Enter program mode → ★ ★ #	After door open :	: The normal procedure to open door \rightarrow Input 4-digit arming PWD \rightarrow #
Disable: Enter program mode $\rightarrow \star \#$	Do not open the c	door: $*$ \rightarrow Input 4-digit arming PWD \rightarrow Present a valid card
% [The normal procedure to open door] can refer	r to [Access Mode].	
※ Read the [Command List-Arming /Duress Fun	ction Setting] below	w to modify arming PWD.
※ M6 is Standalone Mode, the mode is without A	Arming /Duress Fun	nction.
More Details:		

More Details:

SOYAL Security Related Function



Compound Command Function List

Weighted Value Manual :

Step 1:

Step 3:

Select the **"Function"** that you need for each Compound Command category (20 *, 24 *, etc)

Step 2:

"Selection" of the function that you need is either have 0 or 1 value.

Step 4:

Substract the **"Value"** of each Option with Selection. **Function = [0(deactive)*Value]**; **[1(activate)*Value]** Add up all of the Function per Compound Command (20 * , 24 * ,etc)

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

20 * ??? #						
Function		Selection Value Application				
Time Attendance	※0: Yes	1: No	001	Networking		
Auto Relock	※0: Disable	1: Enable	002	Networking/Standalone		
Auto Open	i ≫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.] ??? (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 * ??? #										*Default Value
Function						Sele	ction	Value	Арр	lication
Dual-door Control				i metal weble web	е	1	: Enable	064	Net	working/Standalone
Force Open Alarm Output				isabl ≫0: Disabl	е	1	: Enable	128	Net	working/Standalone

34 *) ??? #)				*Default Value
Function	Sel	ection	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 beeing 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)	i ≫0: Deactivate	1: Activate	128	Networking/Standalone

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

24 * ??? #				*Default Value
Function	S	election	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
igodotEnable swipe any tags to release door open	%0: Disable	1: Enable	032	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

O Add value 032 means to activate, deduct value of 032 means to disactivate the function of swipe any tags to release door open

Touch-panel Metal Housing / Illuminated Touch-panel

V230223

AR-757-H					
24 *) ??? #)				*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	il ≫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	

Factory Reset

Reset User Data	Reset User Data &Controller Parameter (incl. Master Code)	Reset User Data &Controller Parameter (incl. Master Code) & Reset Parameter Setting- SOR
Enter program mode $\rightarrow 29 \times 29 \times \#$	Enter program mode \rightarrow 29 * 20 * #	Enter program mode →29 ★ 21 ★ #
\rightarrow Exit the programming mode	\rightarrow Exit the programming mode	→ Exit the programming mode

* If forgotten the current Master Code, Reset through software tools is required. Please refer to the FAQ for more detail : <u>How to change or reset different kinds of Controller Settings, including Master Code, Parameter Setting and User Data?</u>

Comma	and List		(R)		
	Function	Command	Description		
Master	Enter program mode	* PPPPP #	PPPPP=Master Code, default value=123456		
Code Setting	Master code setting	09 * PPPPPPRRRRR #	PPPPP=6-digit new maste <mark>r code RRRRRR=R</mark> econfirm the ne <mark>w master</mark> code		
	Suspend tag	10 *SSSSS *EEEEE #	*=Suspend 9 =Delete; SSSSS=Starting User Address;		
	Delete tag	10 * SSSSS 9 EEEEE #	EEEEE=Ending User Address		
Card	Add a batch of sequential cards by inputting card number (M6)	11 *SSSSS *EEEEE #J	SSSSS=Starting card number EEEEE=Ending card number		
Setting Commands	Recover the suspended cards(M4/M8)	11 * SSSSS * EEEEE #	SSSSS=Starting card number : EEEEE=Ending card number		
	Card number modification(M4/M8)		UUUUU= User Address; SSSSS=5-digit site code; CCCCC= 5-digit card code		
	Add card by presenting(M4/M8)		UUUUU =User Address; QQQQQ =Card quantity (00001: for adding a single card or a batch of random numbering cards)		
	Add/Delete tag by presenting(M6)	22 * N #	N=0(Delete tag); N=1(Add tag)		
	Delete all tags	29 * 29 * #			
	Enable/Disable Door open for any Tag	0 <u>#</u>]	After enabling Door Open For Any Tag, all cards in same frequency as controller can pass directly.		
	Mifare tag / card format (Optional) (M4/M8)	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.		
Additional Card Function Setting	Administrator Card setting (M4/M8)	07 * SSSSS * EEEEE # (07 * Starting User Address * Ending User Address #))	SSSSS-EEEEE=00000-00255 (Administrator Card can enter the program mode after present the card and press # in 3 seconds, also can exit program mode by present the card.)		
	Enable the security trigger signal (with AR-721RB)	34 *??? #	Change the "Arming" to the security trigger signal, when controller is connected with AR-721RB. Please refer to <u>Compound Command Function</u> <u>List</u> for details.		
	Control mode setting	04 * N #	N=4: M4; N=6: M6; N=8: M8		
Access Mode Setting	Card or PIN (M4/M8) Modify the PIN with user address, change the pass mode into Card or PIN	12 ★JUUUUU ★ ???? #J	Pass by Card or PIN; UUUUU =User Address; ???? =4-digit PIN (0001~9999); 0000=Set as card only		
	Card and PIN (M4/M8) Modify the PIN with user address, change the pass mode into Card and PIN	13 *JUUUUU * ???? #J	Pass by Card and PIN; UUUUU=User Address; ????=4-digit PIN (0000~9999)		



	and List Function	Command	Description
		Command	· ·
ccess Mode	Card or PIN(M6) Set up the mutual PIN in Card or PIN mode	15 * ???? #	???=4-digit PIN(0001~9999 ; default value=4321)
Setting	Card and PIN(M6) Set up the mutual PIN in Card and PIN mode	17 * ???? #	????= 4-digit PIN(0001~9999 ; default value=1234) 0000= Set as card only
Arming /Duress Function Setting	Setting duress PWD(M4/M8)	15 * ???? #	????=4-digit PIN(0001~9999 ; default value=4321) %The Duress Code 0000 means that disable Duress Function and the default value is set as 0000 already.
M4/M8 applicable , but not M6)	Setting arming PWD(M4/M8)	17 * ???? #	????=4-digit PIN(0001~9999 ; default value=1234)
Node ID Setting	Node ID setting (Connected to 716E)(M4/M8)	00 <u>*</u> NNN <u>#</u>	NNN=Node ID of Access Controller (range: 001~016)
	Node ID setting (Connected to the PC directly without 716E) (M4/M8)	00 * NNN * VVV * nnn #	NNN=Node ID of Access Controller (range: 001~254) VVV=Virtual 716E Node ID, nnn=Door number (range:001~254)
Time /Delay Setting	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.
	Alarm Relay Time setting	03*TTT #	TTT=Alarm relay time 000= Output continuously 001~600=1~600 sec.
	Arming Delay Time setting	05*TTT #	TTT=the buffer time before entering arming mode 001~600=1~600 sec.
	Alarm Delay Time setting	06*TTT #	TTT=the buffer time before the alarm is activated 001~600=1~600 sec.
	Arming Pulse Time setting	14*TTT #	TTT=Arming output time; 000=output continuously 001~250=0.1~2.5 sec.
	Door Close Time	18 * TTT #	TTT=Door Close Time: 001~600=1~600 sec.; default value: 15 sec.
	Controller time clock setting	25 * YYMMDDHHmmss #	YYMMDDHHmmss=Year/ Month/ Day/ Hour/ Min./ Sec.
	Same tag reading interval time	31 * TTTT <i>#</i>	TTTT= 10~6000 (Base on 10ms, range from 10 to 6000; default value: 1 sec.:0100)
Controller Additional Function Setting	Reader additional setting Controller parameter setting Dual-door Control / Force Open Alarm	20 * ??? # 24 * ??? # 28 * ??? #	Please refer to <u>Compound Command Function List</u> for details.
	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/Fr Sat)+ Holiday(H= 0: disable; 1: enable); Holidays can be set by 701Client software.
	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
	Enable/Disable keypad lock	★) ∰ (simultaneously)	After enabling keypad lock function, press any butto will only has two beeps and no reaction. Disable th keypad lock function will bring controller keypad functio back to normal. (only Keypad Controllers have thi function ex. AR-721-H; Touch Keypad Controllers do no have this function ex. AR-725-H)
Lift Control Setting	Controller parameter setting	24 * 002 #	
	Lift control setting: multi-floor(M4/M8)	21 *UUUUU *S *FFFFFFF #	UUUUU=User Address, S=4 sets of lift control (0~3); FFFFFFF=8 assigned floor(F=0: Disable, 1: Enable)
	AR-401RO16 Lift Relay Activated TM (M4/M8)	23 * NNN * TTT #	NNN=site number, TTT= relay time: 000~600=1~600 sec.
	Lift control setting: single floor(M4/M8)	27 * UUUUU * FF #	UUUUU=User Address; FF=Floor (01~32 floor)
Exit Program Mode	Exit program mode	* #	
	Exit program mode and enter arming mode(M4/M8)	* * #	