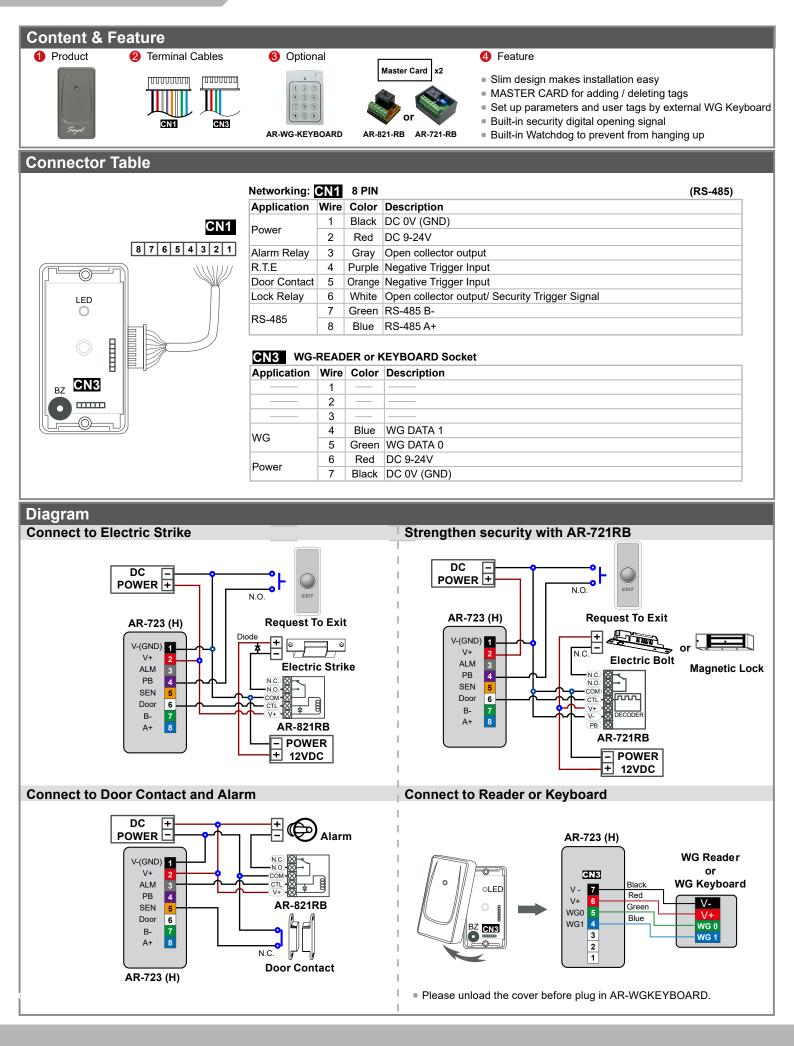


AR-723 (H)



About Master Card **MASTER CARD Setting for Stand-Alone** AR-723 (H) 1 Node ID Card 001 4096 24580 Read r Card 001 RS485 Converter LISB r Card 001 Writ PC 321CM A+ Exit COM Port OCOM1 O COM2 Use the MASTER CARD software 323DMaster Input the MASTER CARD number, and press [Write]. • Cut off and then transmit the power, the master card number will be activated. Present the card, and the reader will flash green light 3 times and sound 3 beeps. Then the card becomes MASTER CARD and accesses programming mode. If MASTER CARD is presented again, it will exit programming mode. Adding Tag Deleting All Tags 1. Present Master Card 1. Present Master Card хЗ 2. After 3 short beeps 2. After 3 short beeps [Access programming mode] [Access programming mode] 3. 1 long warning beep after 2sec. 3. Present the new card or cards one by one till finished the adding. 4. 5 short beeps after 5sec: cards cleared 4 Present Master Card S. Once MASTER CARD is presented after one [Exit programming mode] warning beep, all card data will be cleared. **Operation process** A. Enter/ Exit Program Mode Enter the program mode Input * 123456 #) or * PPPPPP #) [e.g.] The Default Value= 123456, if already changed the Master Code= 876112, input * 876112 # → program mode accessed • Exit the program mode Input * # Master Code modification Access programming mode → 09 * PPPPPRRRRR # [Input the 6-digit new master code twice.] [e.g.] Set the Master code to be 876112, input * 123456 $\# \rightarrow 09 *$ 876112876112 #B. Set up the password [Only for connect to external K-series reader] • M4/M8: Individual pass code Card or PIN: Access programming mode → 12 * UUUUU * PPPP # [e.g. User address: 00001 and pass code: 1234, input 12 * 00001 * 1234 #] Card and PIN: Access programming mode → 13 * UUUUU * PPPP # [e.g. User address: 00001 and pass code: 1234, input 13 * 00001 * 1234 #] • M6: Public pass word Card or PIN: Access programming mode → 15 * PPPP # [Input 4-digit pass code, default value: 4321] Card and PIN: Access programming mode → 17 * PPPP # [Input 4-digit pass code, default value: 1234; PPPP=0000: change into Card Only] C. Lift control Connect with AR-401RO16B to control floors which the user will be able to access. Enable Access programming mode $\rightarrow 24 \times 002 \#$ [002= enable lift control] Floor/ Stop Set Single floor F F F F F F F F Access programming mode $\rightarrow 27 * UUUUU * FF #$ 7 5 2 1 0 8 6 4 3 UUUU=User Address FF=Floor number (01~32 floor) 12 11 10 9 1 16 15 14 13 [e.g.] User address NO. 45, allow to access the 24th floor: 27 * 00045 * 24 # 2 23 22 21 20 19 18 17 24 3 32 31 30 29 28 27 26 25 Multi floors Access programming mode \rightarrow 21 * UUUUU * S * FFFFFFF # [UUUUU=User address S: 4 sets of lift control (Input: 0~3) FFFFFFF: 8 floors setting (F=0=Disable, F=1=Enable) [e.g.] User address NO. 168, only to the 6th and the 20th floor: Access programming mode $\rightarrow 21 \pm 00168 \pm 0 \pm 00100000 \# \rightarrow 21 \pm 00168 \pm 2 \pm 00001000 \#$



. Setting Up the Arming [Only f	or connect to external K-series read	er]					
Alarm conditions:	Application:						
1. Arming is enabled	g is enabled 1. Door open too long : Door is open longer than door relay time plus door close time.						
2.Alarm system connected	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 I	·, · · · · · · · · · · · · · · · · · ·						
Standby Mode							
Standby Mode After door open		Do not open the door					
-	> Input 4 digit arming code → #]	Do not open the door ★ → Input 4 digit arming code → Present valid card					
After door open	> Input 4 digit arming code → #						

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

Function Default Value

20 * DDD #)								
Function	S	election	Value	Application				
Attendance	※0: Yes	1: No	001	Networking				
Auto Re-lock	i ≫0: Disable	1: Enable	002	Networking/Stand-Alone				
Auto Open	i ≫0: Disable	1: Enable	004	Networking/Stand-Alone				
Door open button input	0: Disable	%1: Enable	016	Networking/Stand-Alone				
Master Controller of Network	i ≫0: Slave	1: Mater	032	Networking				

24 * DDD # XDefault Valu							
Function	Sele	ction	Value	Application			
Auto-open door without cards at auto open zone	※0: Disable	1: Enable	001	Networking/Stand-Alone			
Alarm Output/ Lift Control	%0: Alarm Output	1: Lift Control	002	Networking/Stand-Alone			
Stop Alarm by door close or by push button	0: None	※ 1: Yes	064	Networking/Stand-Alone			

28 * DDD # XDefault Valu							
Function	S	Selection		Application			
Dual Door Control	%0: Disable	1: Enable	064	Networking/Stand-Alone			
Force Open Alarm Output	il 20 € 20 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1: Enable	128	Networking/Stand-Alone			

Selection= 0(none value)/ 1(1 x each value)

[e.g.] DDD value of Enable "Auto Open" + "Exit by Push Button + "Anti-pass-back"

=(0x1)+(0x2)+(1X4)+(1x16)+(0x32)+(0x64)+(1x128)=148; As a result of that, the command will be 20 *148 #

Mode4 / Mode6 / Mode8

Mode	Networking/ Stand-Alone	User Capacity	Access Mode	Auto-show Duty time	Event log Capacity	120 Holidays	Anti force	Time Zone	Lift Control	Anti-pass- back
M4	Networking/ Stand-Alone	1,024	1.Card only 2.Card and PIN (4-digit PIN)+ # 3.Card or User address (5-digit) + Individual PIN (4-digit individual PIN) + #	Yes	1,200	Yes	Yes	No	32	Yes
M6	Stand-Alone	65,535	1.Card only 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/ Stand-Alone	1,024	1.Card only 2.Card and PIN (4-digit individual PIN)+ # 3.Card or PIN (4-digit individual PIN)	Yes	1,200	Yes	Yes	No	32	Yes

Mode 6, the number of users up to 65535, since it reads CARD CODE(5 digits) only, unlike that Mode4/Mode8 read SITE CODE and CARD CODE(10 digits). If Access Mode setting to use the PIN, it need to external the K-series Readers.

Factory Reset by its commands

When the device is stand-alone (not networking)

Access programming mode \rightarrow 20 \star 016 # \rightarrow 24 \star 064 # \rightarrow 26 \star 00000 \star 01023 \star 1 # \rightarrow 28 \star 000 # \rightarrow 29 \star 29 \star # # %Note: After the Master Code is changed, factory reset doesn't restore the Master Code back to 123456.

Access Controller

Function		Command	Description	Mode		
	ammina mada	* PPPPP #	PPPPP=Master Code, default value=123456	M4/M6/M8		
Entering progra	-					
Exiting program		*# ••••#		M4/M6/M8		
	ming mode and enabling arming status	* * #		M4/M8		
	g (Connecting to 716E	00 * NNN #	NNN=Node ID, range: 001~254	M4/M8		
	g (Connecting to PC directly without	00 * NNN * VVV * nnn #	NNN=Node ID of Access Controller, VVV=Virtual 716E Node ID,	M4/M8		
via 716E)			nnn=Door number; range:001~254			
			N: 0=ISO14443A; 1=ISO14443B; 2=ISO15693; 3=I Code1; 4=I Code2			
Mifare tag / car	d format (Optional)	01 * N #	PS.1. Please select the compliance, first.	M4/M8		
			2. Make sure reader and card using the same compliance.			
			TTT=Door relay time 000= Output constantly			
Door relay time setting		02 * TTT #	001~600=1~600 sec.	M4/M6/M8		
	C C		601~609=0.1~0.9 sec.			
Alarm relay tim	e setting	03 * TTT #	TTT=Alarm relay time 001~600=1~600 sec.	M4/M6/M8		
Control mode s	-	04 * N #	N=Mode 4=Mode4; 6=Mode6; 8=Mode8	M4/M6/M8		
Arming delay ti	-	05 * TTT #	TTT=Alarm relay time 001~600=1~600 sec.	M4/M6/M8		
Alarm delay tim	ne setting	06 * TTT #	TTT=Alarm delay time 001~600=1~600 sec.	M4/M6/M8		
Master card set	tting	07 * SSSSS * EEEEE #	SSSSS-EEEEE=00000-01023 (00000-03000 for AR-725H);	M4/M8		
			SSSSS=Starting user address; EEEEE=Ending user address			
			N= 0(1st time zone) / 1(2nd time zone)			
			HHMM= Starting time; hhmm= ending time			
Auto-open time	e zone setting	08 * N * HHMMhhmm * 6543217H #	(i.e.: 08301200=08:30 to 12:00)	M4/M6/M8		
			6543217H= 7 days of week (Sat/Fri/Thu/Wed/Tue/Mon/Sun)+ Holiday			
			(F= 0: disable; 1: enable); Holidays establish by the software.			
			PPPPP=New master code			
Master code setting		09 * PPPPPRRRRR #	RRRRR=Repeat the new master code	M4/M6/M8		
Suspend tag(M6)		10 * SSSSS * EEEEE #	*=Suspend 9=Delete;	M4/M6/M8		
Setting	Delete tag(M4)	10 * SSSSS 9 EEEEE #	SSSS=Starting user address, EEEEE=Ending user address	M6		
Set a sequence	of cards as "read and access"	11 * SSSSS * EEEEE #	SSSSS=Starting card number; EEEEE=Ending card number	M4/M8		
Active the susp		11 * SSSSS * EEEEE #	SSSSS=Starting user address; EEEEE=Ending user address	M4/M8		
•	as Card mode OR PIN mode by user		Access mode: Card or PIN; UUUUU=user address;	1014/1010		
address	is card mode of the mode by user	12 * UUUUU * PPPP #		M4/M8		
			PPPP=4-digit pass code 0001~9999			
	as Card AND PIN mode by user	13 * UUUUU * PPPP #	Access mode: Card and PIN; UUUUU=user address;	M4/M6/M8		
address			PPPP=4-digit pass code 0001~9999			
M4: Duress cod	de setting	15 * PPPP #	PPPP=4-digit pass code (default value= 4321)	M4/M8		
M6: Public PIN	setting (Card or PIN)		P.S. Duress code will be unavailable and become a public PIN at access mode "Card or PIN" of M6			
Card number m	odification	16 * UUUUU * SSSSSSCCCCC #	UUUUU= User address; SSSSS=5-digit site code;	M4/M6/M8		
			CCCCC=5-digit card code			
M4: Arming pas	ss code setting	17 * PPPP #	PPPP=4-digit pass code (default value=1234; disable Arming PWD=0000)	M4/M6/M8		
M6: Public PIN	setting (Card and PIN)		P.S. Arming PWD code will be unavailable and become a public PIN at access mode "Card PIN" and of M6			
Door open wait	ting time	18 * TTT #	TTT=Door open waiting time: 001~600=1~600 sec.; default value: 15 sec.	M4/M8		
0 - 4 4 h			UUUUU=User address;			
Set the card by	induction (M4)	19 * UUUUU * QQQQQ #	QQQQQ=Card quantity(00001=Continuously inducting)	M4/M6/M8		
Reader additio	nal setting	20 * DDD #	Please refer to function default value for details.	M4/M6/M8		
			UUUUU=User address, S=4 sets of lift control(0~3); FFFFFFF=8 assigned floor			
Lift control setting: multi-doors		21 *UUUUU * S * FFFFFFF #	(F=0: Disable, 1: Enable)	M4/M8		
Add/Delete tag	by induction (M6 only)	22 * N #	N=0(Delete tag); N=1(Add tag)	M6		
Add/Delete tag by induction (M6 only) AR-401ROsite number dip switch		23 * NNN * TTT #	NNN=site number, TTT= relay time: 000~600=1~600 sec.	M4/M8		
	· · ·	24 * DDD #	Please refer to function default value for details.	M4/M6/M8		
Controller parameter setting Controller time clock setting		25 * YYMMDDHHmmss #	YYMMDDHHmmss: Year/ Month/ Day/ Hour/ Min./ Sec.	M4/M6/M8		
sond oner time	Sook Setting			1114/110/110		
Anti-pass-back	(Enable user)	26 * SSSSS * EEEEE * N #	SSSSS=Starting user address; EEEEE=Ending user address;	M4/M8		
			N=0/Enable; N=1/Disable; N=2/Initial			
Single floor set	tting	27 * UUUUU * FF #	UUUUU=User Address; FF=Floor (01~32 floor)	M4/M8		
Dual door control	/ Active or inactive arming for force open	28 * DDD #	Please refer to function default value for details.	M4/M6/M8		
Delete all tags		29 * 29 * #		M4/M6/M8		
Enable the enable	urity trigger signal (with AR-721RB)	34 * 064 # (Enable)	Change the "Door Lock" become the security trigger signal when	M4/M6/M8		