

AR-723 (H)



Access Controller

V130311





D. Setting Up the Arming [Only fo	r connect to external K-series reade	er]					
 Alarm conditions: 	Application:						
1. Arming 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 (Opene	2. Force open (Opened without a valid user card): Access by force or illegal procedure.					
	3. Door position abn	ormal: Arming is enabled and the power is suddenly off then on.					
Enable/Disable Arming status (for M4/M8; Factory default armingcode is: 1234) : Standby Mode							
After door open		Do not open the door					
The normal procedure to open door \rightarrow	Input 4 digit arming code \rightarrow #	★ → Input 4 digit arming code → Present valid card					
Enter Program Mode							
Enable: Access programming mode \rightarrow * * #		Disable: Access programming mode $\rightarrow \star$ #					
※ [The normal procedure to open d	oor] can refer to [Access Mode].						

Function Default Value

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

24 * DDD # XDefault Value								
Function	Selec	tion	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 #							
Function	Selec	tion	Value	Application			
Dual Door Control	※0: Disable	1: Enable	064	Networking/Stand-Alone			
Force Open Alarm Output	%0: Disable	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 ***** 016 # \rightarrow 24 ***** 064 # \rightarrow 26 ***** 00000 ***** 01023 ***** 1 # \rightarrow 28 ***** 000 # \rightarrow 29 ***** 29 ***** # # %Note: After the Master Code is changed, factory reset doesn't restore the Master Code back to 123456.

Access Controller

Command List							
Function		Command	Description	Mode			
Entering progra	mming mode	* PPPPP #	PPPPP=Master Code, default value=123456	M4/M6/M8			
Exiting program	iming mode	* #		M4/M6/M8			
Exiting programn	ning mode and enabling arming status	* * #		M4/M8			
Node ID setting	(Connecting to 716E	00 * NNN #	NNN=Node ID, range: 001~254	M4/M8			
Node ID setting (Connecting to PC directly without			NNN=Node ID of Access Controller, VVV=Virtual 716E Node ID,	M4/M8			
via 716E)		00 * NNN * VVV * nnn #	nnn=Door number; range:001~254				
			N: 0=ISO14443A; 1=ISO14443B; 2=ISO15693;				
Mifare tag / card	I format (Optional)	01 * N #	3=I Code1; 4=I Code2	M4/M8			
			PS.1. Please select the compliance, first.				
			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			
			601~609=0.1~0.9 sec.				
Alarm relay time	e setting	03 * TTT #	TTT=Alarm relay time 001~600=1~600 sec.	M4/M6/M8			
Control mode se	etting	04 * N #	N=Mode 4=Mode4; 6=Mode6; 8=Mode8	M4/M6/M8			
Arming delay tir	me setting	05 * TTT #	TTT=Alarm relay time 001~600=1~600 sec.	M4/M6/M8			
Alarm delay tim	e setting	06 * TTT #	TTT=Alarm delay time 001~600=1~600 sec.	M4/M6/M8			
			SSSSS-EEEE=00000-01023 (00000-03000 for AR-725H);				
Master card set	ting	07 * SSSSS * EEEEE #	SSSSS=Starting user address; EEEEE=Ending user address	M4/M8			
			N= 0(1st time zone) / 1(2nd time zone)				
			HHMM= Starting time; hhmm= ending time				
Auto-open time	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.				
Mantananda ant	41	09 *PPPPPPRRRRR #	PPPPP=New master code				
Master code set	ung		RRRRR=Repeat the new master code	1014/1016/1018			
Setting	Suspend tag(M6)	10 * SSSSS * EEEEE #	*=Suspend 9=Delete;	M4/M6/M8			
Setting	Delete tag(M4)	10 * SSSSS 9 EEEEE #	SSSSS=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	ended cards	11 *SSSSS *EEEEE #	SSSSS=Starting user address; EEEEE=Ending user address	M4/M8			
Set the cards as	s Card mode OR PIN mode by user	12 * UUUUU * PPPP #	Access mode: Card or PIN; UUUUU=user address;	M4/M8			
address			PPPP=4-digit pass code 0001~9999				
Set the cards	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	e setting	15 * PPPP #	PPPP=4-digit pass code (default value=4321)	M4/M8			
M6: Public PIN s	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 me	odification	16 * UUUUU * SSSSSCCCCC #	UUUUU= User address; SSSSS=5-digit site code;	M4/M6/M8			
			CCCCC=5-digit card code				
M4: Arming pas	s code setting	17 * PPPP #	PPPP=4-digit pass code (default value=1234; disable Arming PWD=0000)	M4/M6/M8			
M6: Public PIN s	setting (Card and PIN)		P.S. Arming PV/D code will be unavailable and become a public PIN at access mode "Card PIN" and of M6				
Door open waiti	ng time	18 × 111 #	I I I=Door open waiting time: 001~600=1~600 sec.; default value: 15 sec.	1014/1018			
Set the card by i	induction (M4)	19 \star UUUUU \star QQQQQ #	00000=0ser address;	M4/M6/M8			
	al aatting	20 + 000 #	Plaga refer to function default value for details				
Reader additional setting		20 000 #		1014/1010/1010			
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			
AR-401ROsite number din switch		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/ Dav/ Hour/ Min./ Sec.	M4/M6/M8			
Anti-pass-back (Enable user)			SSSSS=Starting user address; EEEE=Ending user address;				
		26 * SSSSS * EEEEE * N #	N=0/Enable; N=1/Disable; N=2/Initial	M4/M8			
Single floor setting		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			
		34 * 064 # (Enable)	To Change the "Door Lock" become the security trigger signal, when				
Enable the security trigger signal (with AR-721RB)		34 * 000 # (Disable)	controller is connected with AR-721RB.	M4/M6/M8			