

AR-727H

Technical Manual



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Version 1.00



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SYSTEM OVERVIEW

The AR-727H is a versatile single door proximity controller that can be used as stand-alone or networked.

Key Features:

- ^{CP} Built-in Proximity reader
- 1,024 User card capacity, 65,536 User card capacity in stand-alone mode
- Tamper Switch
- 32 floor lift control
- Door Monitoring
- Code in/Code out (with additional Wiegand Keypad)
- ${}^{\textcircled{\sc opt}}$ Optional Anti-pass back function with Code In/Out
- Optional Egress Function
- Network capability up to 254 x 16 doors each with Keypad In/Out
- Programmable Duress Code
- Optional Lock Output Timed 0.1 to 600 seconds, Latched On/Latched Off
- ^C Universal Serial Port for LED Display, Printer, Lift Control etc.
- ${}^{\textcircled{\text{CP}}}$ Alarm function for Tamper, Forced Entry, Duress and Door Open
- Will run as a Standalone Controller during Host Controller failure
- Add tokens/cards using built in reader
- ^C Buffer for storing up to 1,200 Transactions
- Auto-Relock Function
- Real Time Clock
- ^{CP} 2x Auto Open Time Zones in Standalone mode with Firmware version 7V4 and earlier
- I0x Auto Open Time Zones in Standalone mode with Firmware version 7V5 and later
- IP65 rated

BOX CONTENTS & INSTALLATION



0

Do Not connect the reader and lock to the same power supply. While the lock is active it can destabilize the power supply and effect the readers function. The standard connection of the power supply is to connect the door relay and lock to one power supply and the reader on a separate power supply.

CONNECTOR DIAGRAM	Table1: CN-3 Colour Coding B Table3: CN-4 Colour Coding								
	Wire Applicat	lion	Wire	Colou	r Description	Wire Application	Wire	Colour [Description
			1	Blue/Wh	ite NO 24VDC 1A		1	Red N	Iormally Closed
	Door Relay		2	Purple/W	hite NC 24VDC 1A	Tamper Switch	2	Orange C	Common
	Door/Alarm R	lelay	3	White	e COM 24VDC 1A		3	Yellow N	lormally Open
	Door Sensor		4	Orang	e Negative Trigger Input				
	Exit Switch		5	Purple	e Negative Trigger Input				
	Alarm Relay		6	Grey	NO/NC Optional (By Jumper)				
	Bower		7	Thick R	ed DC Power 12V				
	Power		8	Thick Bla	ack DC Power 0V				
P3 CN-2	Vire Application	2: C Wire	N-1 C		our Coaing			2 00101	ur Coaing
			-		Description	wire Application	Wire	Colour	Description
<u>hand</u>	I a de se sa substant au	1	Thicl	k Green	RS-485 (B-)	wire Application	Wire	Colour	
	Networking	2	Thic Thic	k Green sk Blue	Description RS-485 (B-) RS-485 (A+)	Arming Setting Inpu	it 1	Colour Orange/Whit	Description e on $- \frac{\pi}{2}$ off Latch Type
	Networking	1 2 3	Thicl Thic Thic	k Green sk Blue n Blue	Description RS-485 (B-) RS-485 (A+) Wiegand DAT:1 Input BA Clock Input (W1)	Arming Setting Inpu Serial Port	t 1 2	Colour Orange/Whit Yellow/White	Description e on <u>k</u> <u>s</u> <u>s</u> off Latch Type Serial Output (Transistor Open Collector) (4800,N,8,1)
	Networking Viegand	1 2 3 4	Thicl Thic Thi Thin	k Green sk Blue n Blue Green	Description RS-485 (B-) RS-485 (A+) Wiegand DAT:1 Input BA Clock Input (W1) Wiegand DAT:0 Input BA Data Input (W0)	Arming Setting Inpu Serial Port Arming Status Outp	t 1 2 ut 3	Colour Orange/Whit Yellow/White Red/White	Description e on <u>*</u>
	Networking Viegand Buzzer	1 2 3 4 5	Thicl Thic Thi Thin	k Green ck Blue n Blue Green Pink	Description RS-485 (B-) RS-485 (A+) Wiegand DAT:1 Input BA Clock Input (W1) Wiegand DAT:0 Input BA Data Input (W0) Buzzer Output 5V 100mA, Low	Arming Setting Inpu Serial Port Arming Status Outp	t 1 2 ut 3	Colour Orange/Whit Yellow/White Red/White	Description e on *** off Latch Type Serial Output (Transistor Open Collector) (4800,N,8,1) Arming Output (Active Low) Card Present Output Active Low) Card Present Output Active Low
	Networking Viegand Buzzer	1 2 3 4 5 6	Thicl Thic Thi Thin P B	k Green ck Blue n Blue Green Pink rown	Description RS-485 (B-) RS-485 (A+) Wiegand DAT:1 Input BA Clock Input (W1) Wiegand DAT:0 Input BA Data Input (W0) Buzzer Output 5V 100mA, Low Green LED Output 5V 20mA, Max	Arming Setting Inpu Serial Port Arming Status Outp Card Present	Wire It 1 2 2 ut 3 4	Colour Orange/Whit Yellow/White Red/White Brown/White	Description e on <u>u</u> <u>g</u> <u>f</u> off Latch Type Serial Output (Transistor Open Collector) (4800,N,8,1) Arming Output (Active Low) , Card Present Output Active Low (Transistor Output)
	Vetworking Viegand Buzzer .ED	1 2 3 4 5 6 7	Thicl Thic Thic Thin Thin Bi Bi	k Green ck Blue n Blue Green Pink rown ellow	Description RS-485 (B-) RS-485 (A+) Wiegand DAT:1 Input BA Clock Input (W1) Wiegand DAT:0 Input BA Data Input (W0) Buzzer Output 5V 100MA, Low Green LED Output 5V 20mA, Max Red LED Output 5V 20mA, Max	Arming Setting Inpu Serial Port Arming Status Outp Card Present	Wire It 1 2 2 ut 3 4	Colour Orange/White Yellow/White Red/White Brown/White	Description e on <u>s</u> f off Latch Type serial Output (Transistor Open Collector) (4800,N,8,1) Arming Output (Active Low) Card Present Output Active Low (Transistor Output)

DISPLAY AND KEYPAD LAYOUT

Front Panel Layo	ut
Day	Work Status
Date	
Arming (Green) ——	18/02 FRI Duty:0
Alarm (Red)	10:49:34 Card Present (Green)
Receive (Red)	Ready Stand-by (Green)
Transmit (Green)	
	4 5 6 ¥ F2 Down
	7 8 9 ≤ F3
	× 0 # ≥ F4
Escape/Quit —	Right
Enter/OK	
LED's	
Arming (Green)	- Indicates Arming function is active.
Alarm (Red)	 Indicates Alarm function is active.
Receive (Red)	 Indicates data received from host.
Transmit (Green)	 Indicates data transmitted to host.
Input Indicator (Red)	 Indicates peripheral device to activate
	arming status is active.
Card Present (Green)	- Indicates a card is present at the
Stand-by (Green)	- Indicates nower on/operating OK
Error (Red)	- Indicates system error.
Display	
Date -	Shows current date.
Day -	Shows current day of the week.
Work Status -	Shows current Work Status.
Buttons	
F1 - Navigates up	the menu. In Time & Attendance mode, press
once for Duty	On, press twice for Break Start.
✓F2 - Navigates dov	wn the menu. In Time & Attendance mode, press
once for Duty	Off, press twice for Break End.
< F3 - Navigates up	the menu. In Time & Attendance mode, press
once for Over	time On, press twice for Go.
- Navigates do	time Off press twice for Return
	nne on, press twice for return. ne current menu screen
$\begin{array}{c} \bullet \\ \pm \\ \bullet \\$	r data
H = 11000 to enter	vr to lock/uplock Kovpad
a a H - Press togethe	er to lock/uniock Neypau.

DISPLAY MESSAGES



When viewing events, the screen will always show 2 events at a time. The controller can store a maximum of 1,200 events.

After the 1,200th event, the controller overwrites the messages from event number 0001 onwards.

Two messages are shown on screen at a time and scrolling up (with F1) or down (with F2) will take you to the next or previous message.

The messages can be deleted from the controller by performing a factory reset.

NOTICE

If a Factory Reset is performed to erase the event messages, all other programming will be lost. Before attempting a Factory Reset make a record of all necessary programming.

READER WIEGAND SETTINGS



READER WIEGAND SETTINGS CONTINUED







CONNECTIONS FOR 727H AND FAIL SAFE LOCK



CONNECTIONS FOR 727H AND FAIL SECURE LOCK









CONNECTIONS FOR 727H AND AR-721U





CONNECTIONS FOR 727H WITH 2x AR-737HB-RAY



RSSD AR-727H MANUAL

CONNECTIONS FOR 727H AND MAGNETIC LOCK FOR DOOR ENTRY SYSTEMS



CONNECTIONS FOR 727H FOR MULTIPLE FLOOR LIFT CONTROL





RSSD AR-727H MANUAL









RSSD AR-727H MANUAL



CONNECTIONS FOR 727H FOR SINGLE BUTTON











PROGRAMMING MENU TREE



INITIAL PROGRAMMING

Initial Setup				
1. Restoring Factory Settings				
Enter Programming Mode *123456# or *MASTER CODE#				
	Use F1 or F2 to scroll to 4.PARAMETERS (2) and press #			
	Use F1 or F2 to scroll to 9.FACTORY RESET and press #			
The display will now show:-	Ready to Go? 1: YES 2:NO Data: 1 SOVAL			
	Press 1 or #			
	The display will briefly show INITIAL SYSTEM			
The factory default setting	gs have now been restored.			
2. Changing The Master	Code			
Enter Programming Mode	123456# or *MASTER CODE#			
	Use F1 or F2 to scroll to 5.TOOLS and press #			
	Use F1 or F2 to scroll to 2.MASTER CODE and press #			
	The display will show INPUT 6 DIGIT NO 000001~999999			
	ENTER THE NEW 6 DIGIT MASTER CODE.			
The display will now show:-	Ready to Go? 1: YES 2:NO Data: 1 SOYAL			
	Press 1 or #			
	The display will show SUCCEEDED!			
The Master Code should	now be the 6 digit code that was just entered.			
NOTICE				
It is important that a record of the new Master Code is kept somewhere safe in case any further programming is required. Once changed, if the Master Code is lost, the only way to reset the Master Code is by connecting the unit to a PC or Laptop and using ISP Tools software.				

CONTROL MODE

Changing Control Mode					
AR-727H	MODE 4	MODE 6	MODE 8	NETWORKING	
User Card Capacity	1,024	65,536	1,024	Depends on Controller §	
Access Mode	Card Only Card and PIN User No and PIN	Card Only	Card Only Card and PIN PIN only	Card Only Card and PIN User No and PIN PIN only	
Anti-Pass Back	Single Door	N/A	Single Door	Up To 16 Doors	
Code Capacity	1,024	1	1,024	Depends on Controller †	
Event Capacity	1,200	N/A	1,200	Depends on Controller ‡	
Duress	4 Digit Code	N/A	4 Digit Code	Up To 4x 4 Digit	
Time Zone	N/A	N/A	N/A	11 Time Zones	
Control Mode in Networking	Mode 4	N/A	Mode 8	Mode 4 or Mode 8	
Wiegand Output	WG32	WG16	WG32	WG32	
Lift Control	32 Floors 1,024 Card Users	N/A	32 Floors 1,024 Card Users	32 Floors 1,024 Card Users	

§ If using an AR-716E, User Card Capacity can be up to 15,000 Users.

† If using an AR-716E, Code Capacity can be up to 15,000 codes.

‡ If using an AR-716E, Event Capacity can be up to 11,000 events.

Control Modes

Mode 4 is for Stand-Alone and Networking directly to a PC or under a 716E. This is similar to Mode 8 with the only difference being in Access Mode.

Mode 6 is for Stand-Alone applications only.

Mode 8 is for Stand-Alone and Networking directly to a PC or under a 716E. This is similar to Mode 4 with the only difference being in Access Mode.

Networking is for Modes 4 and 8 and is specifically for networking either directly to a PC or under a 716E.

NOTICE

When changing Control Mode from Mode 6 to Mode 4 and vice versa, it is necessary to delete all User Card Data first.

CONTROL MODE

Changing Control Mode Continued				
Enter Programming Mode *123456# or *MASTER CODE#				
	Use F1 or F2	to scroll to 5. Tools and press #		
	Use F1 or F2	to scroll to 9. Control Mode and press #		
The Display will show:-	1: M4 4:M9 Curre SOYA	2:M6 3:M8 nt Data: 1		
Enter number for required Co	ontrol Mode.			
The Display will show:-	Egre 1:B 3:No SO YA	ess Sounds : BB 2:B Curr. : 1		
Enter number for required Eg	gress Tone.			
	Parameter	Function		
	1:BBB	Triple Beep		
	2:B	Single Beep		
	3:No	No Веер		
The Display will show:-	Tags 1:Nor SOYA	s Format mal 2:SOYAL Data: 1		
Enter Number for required Tag Format.				
The Display will now show Succeeded !				
NOTICE When changing Control	Mode from	Mode 6 to Mode 4 and vice versa, it is		
necessary to delete all L	Jser Card E	Data first.		

SYSTEM INFORMATION & CLOCK SETTINGS

Viewing Information				
Enter Programming Mode *123456# or *MASTER CODE#				
Use F1 or F2 to scroll to 5. Tools and press # Use F1 or F2 to scroll to 7. Informations and press #				
The Display will show:- AR7x7V3 7V3.125K Users: 00025 Messages: 00456 Si@Y/4/L				
AR7x7V3 7V3. 125K= The version of Firmware and Frequency.Users: 00025= The quantity of tokens programmed.Messages: 00456= The quantity of stored messages.				
Setting Clock				
Enter Programming Mode *123456# or *MASTER CODE#				
Use F1 or F2 to scroll to 5. Tools and press # Use F1 or F2 to scroll to 8. Clock Setting and press #				
The Display will show:- Input Date & Time YyMmDdHhMmSs Si@Y/A/Linit HAR:727H Enter the time and date				
The Display will show:- Month/Day Format 1: DD/MM 2: MM/DD Current Data: 2 SOY/A/L				
Enter the required number for month/day format and press # The Display will now show Succeeded !				

LOCK TIME AND LATCH MODE

Setting Lock Time				
Enter Programming Mode	*123456# or *MASTER CODE#			
	Use F1 or F2 to scroll to 3. Parameters (1) and press # Use F1 or F2 to scroll to 3. Door Relay Tm and press #			
The Display will show:-	Input: 0~600 Current Data: 002			
	Enter the time required in seconds and then press # E.g. Entering 010 will give a lock open time of 10 seconds.			
The Display will now show	Succeeded !			
Setting Latch M	lode			
Enter Programming Mode	*123456# or *MASTER CODE#			
	Use F1 or F2 to scroll to 3. Parameters (1) and press # Use F1 or F2 to scroll to 3. Door Relay Tm and press #			
The Display will show:-	Input: 0~600 Current Data: 002			
The Display will now show	Enter 0 and # press Succeeded !			
NOTICE				
When Latch Mode has latch open after a valio The door will then stay and then the relav will	been set, the lock relay will switch and the door will programmed token has been presented. open until a valid programmed token is presented switch back and the door will lock.			

EXIT FUNCTION

Setting Exit Button Function				
Enter Programming Mode *123456# or *MASTER CODE#				
	Use F1 or F2 to scroll to 4. Parameters (2) and press # Use F1 or F2 to scroll to 2. Egress (R.T.E) and press #			
The Display will show:-	Request To Exit 1: YES 2:NO Data: 1 SIOY/A/L			
Enter number required.				
Entering 1 will enable Exit f	unction, entering 2 will disable Exit Function.			
The Display will now show	Succeeded !			
NODE ID SETTINGS



PROGRAMMING TOKENS

Checking Available Memory Locations	
Memory locations can be overwritten on controllers with Firmware version 7V4 and earlier (on later versions of firmware, existing tokens cannot be overwritten but it is still necessary to keep a record of token addresses in the memory), therefore it is advisable to check which firmware version is installed on the controller as follows:-	
Enter Programming Mode *123456# or *MASTER CODE#	
Use F1 or F2 to scroll to 5. Tools and press #	
Use F1 or F2 to scroll to 7. Informations and press #	
The Display will show:- AR7x7V3 7V3.125K Users: 00025 Messages: 00456 Si@Y/A/L	
AR7x7V3= Controller type.7V3.= Firmware Version.125K= The Controllers Frequency.	
In an existing installation, before programming tokens, it is advisable to check the amount of free memory locations to avoid overwriting any previously programmed tokens.	
View the remaining memory locations as follows:-	
Enter Programming Mode *123456# or *MASTER CODE#	
Use F1 or F2 to scroll to 1. Add/Delete and press #	
Use F1 or F2 to scroll to 1. Add ->Card ID and press #	
The Display will show:- User Address : F3: Prev F4: Next (0-01023):00000	
Use F1 to scroll backwards through the Memory Locations, use F2 to scroll forwards through the Memory Locations until a suitable number of empty slots is found.	
When a Memory Location contains a programmed token, the token number is shown on the bottom line of the screen:- User Address : F3: Prev F4: Next (0-01023): 00000 Token Number SOYALL	

WARNING

Before Proceeding with any token programming, please read the following.

The last page of this manual is a token/memory slot record sheet. The blank sheet should be photocopied and the photocopy kept up-to-date with the location and number of each token added or deleted.

Failure to do so might result in valid tokens being overwritten when batches of tokens are added en bloc, if deletion of individual tokens have left vacant memory slots scattered amongst valid tokens.

If the first token in a new batch is directed to a single vacant memory slot, then the rest of the batch will overwrite (and replace) any subsequent valid tokens in the memory.

For this reason, it is advisable to read the section "Checking Available Memory Locations" (page 38 opposite) before adding tokens since the F3 and F4 functions can be used to identify the location and quantity of vacant memory slots even if the Token Record Sheet has not been kept up-to-date.

This applies to all firmware versions up to and including 7V4. Version 7V5 automatically avoids overwriting valid tokens.

A record should still be kept of token location in the memory, however, to facilitate deletion of specific tokens.











ACCESS MODE



NOTICE

When Networking, the above programming is not required. Please refer to the 701 Client Software manual for Access Mode settings in networking mode.













ANTI-PASSBACK



ACCESS MODE



ANTI-PASSBACK GROUP



AUTO OPEN ZONE



OPEN TIMEZONE



For Firmware Version /V6 Onwards, there are a total of 10 time zones. If any more than 1 time zone is required, follow the steps above for programming all desired time zones.

LIFT CONTROL



LIFT CONTROL



KEY (#) IS BELL



AUTO RELOCK

Auto Relock Settings	
Enter Programming Mode	*123456# or *MASTER CODE#
	Use F1 or F2 to scroll to 4. Parameters (2) and press #
	Use F1 or F2 to scroll to 1. Auto Relock and press #
The Display will show:-	Auto Relock 1:Yes 2:No Data: 2 SOMALL AREAL Finter number required and press # This function allows the door to lock after closing even if the lock release time is still active. This prevents unauthorised people from tailgating when the door is released. For example, if this function is not enabled and lock release
	time is set to 20 seconds, the door will be unlocked for the full amount of time, even if the person has already entered and the door shut. If this function is enabled, as soon as the door is closed, regardless of how much lock activation time is left, the door will lock.
The Display will show Suc	ceeded!

DOOR CLOSE TIME

Door Close Time Settings	
Enter Programming Mode	123456# or *MASTER CODE#
	Use F1 or F2 to scroll to 3. Parameters (1) and press #
	Use F1 or F2 to scroll to 4. Door Close Time and press #
The Display will show:-	Input: 0 [~] 600 Current Data: 002 SOYAL AR€727H
	Enter the time required in seconds and then press #
	E.g. Entering 010 will give a door close time of 10 seconds.
	Door Close Time is the amount of time the door can be held open before activating the alarm output.
	The door has to have normally closed door contacts fitted for this function to work.
The Display will now show 🔇	Succeeded !

ALARM RELAY TIME

Alarm Relay Tin	ne Settings
Enter Programming Mode	*123456# or *MASTER CODE#
	Use F1 or F2 to scroll to 3. Parameters (1) and press #
	Use F1 or F2 to scroll to 5. Alarm Relay Time and press #
The Display will show:-	Input: 0~600 Current Data: 002 SOVAL Enter the time required in seconds and then press # E.g. Entering 010 will give an alarm relay time of 10 seconds.
	This function controls how long the Alarm will be activated after an alarm event trigger.
The Display will now show	Succeeded !

ALARM DELAY TIME

Alarm Delay Time Settings	
Enter Programming Mode	123456# or *MASTER CODE#
	Use F1 or F2 to scroll to 3. Parameters (1) and press #
	Use F1 or F2 to scroll to 6. Alarm Delay Time and press #
The Display will show:-	Input: 0~600 Current Data: 002 SOVAL MARENZED Enter the time required in seconds and then press # E.g. Entering 010 will give an Alarm Delay Time of 10 seconds. Alarm Delay Time is the amount of time between an alarm event trigger and the alarm activating.
The Display will now show \$	Succeeded !

ARMING PWD



ARMING PULSE



Close Door Sto	p Settings
Enter Programming Mode	*123456# or *MASTER CODE#
	Use F1 or F2 to scroll to 4. Parameters (2) and press #
	Use F1 or F2 to scroll to 6. Close & Stop and press #
The Display will show:-	Close Door Stop Alarm 1:Yes 2:No Data: 2 SOYAL
	Enter number required.
	This function cuts short the alarm time. Door contact s need to be fitted for this function to operate properly. If the alarm goes off, it is stopped by the door closing.
The Display will show Succ	eeded!

FORCE OPEN..

Force Open Ala	rm Settings
Enter Programming Mode	*123456# or *MASTER CODE#
	Use F1 or F2 to scroll to 4. Parameters (2) and press #
	Use F1 or F2 to scroll to 5. Force Open and press #
The Display will show:-	Force Open Alarm 1:Yes 2:No Data: 2 SOY/A/L
	Enter number required.
	opened without using a valid token or egress button.
The Display will show Succ	eeded!

DURESS CODE



LANGUAGE

Changing Language
Enter Programming Mode *123456# or *MASTER CODE#
Use F1 or F2 to scroll to 5. Tools and press #
Use F1 or F2 to scroll to 1. Language and press #
The Display will show:- 1: English (USA) 2: Italy (IT) Data: 1 SOY/AL
Enter number for required language.
The Display will now show Succeeded !
NOTICE
<i>If the language setting is changed by mistake the easiest way to change it back to English is to enter the following:</i>
Enter Programming Mode *123456# or *MASTER CODE#
Enter 511
The display will show Succeeded !

ATTENDANCE

Time & Attendance Settings Enter Programming Mode *123456# or *MASTER CODE# Use F1 or F2 to scroll to 4. Parameters (2) and press # Use F1 or F2 to scroll to 3. Attendance and press # The Display will show:-**Time Attendance** 1:Yes 2:No Data: 1 **0YAL**AR-727H Enter number required. The Display will show Succeeded! Refer to the chart below for Time & Attendance operation. **Button** Function In Time & Attendance mode, press once for Duty On, **∧ F1** press twice for Break Out. In Time & Attendance mode, press once for Duty Off, **∀F2** press twice for Break RTN. In Time & Attendance mode, press once for Overtime On, < F3 press twice for Go.

In Time & Attendance mode, press once for Overtime Off,

≻ F4

press twice for Return.

TERMINAL PORT

Setting Serial Port Output

Enter Programming Mode *123456# or *MASTER CODE#

Use F1 or F2 to scroll to 5. Tools and press #

1:AR401R16 2:LED

OYAL AR-727H

3:PRN

Current Data:

Use F1 or F2 to scroll to 4. Terminal Port and press #

4:Duress

The Display will show:-

Enter Number required. This will select the function of the Serial Port output, refer to the table below for details.

1

Parameter	Function
1: AR401R16	Lift Control Output
2: LED	LED Display Output
3: PRN	Printer Output
4: Duress	Duress Alarm Output

The Display will show Succeeded!

NOTICE

The Serial Port Output can only be used for one of the four options. For further details on AR401R1 settings, refer to the Lift Control Section on pages 56 & 57.

For further details on the Duress Alarm features refer to the Duress Code Settings section on page 67.

PRINTER OUTPUT



RESETTING MASTER CODE


UPGRADING FIRMWARE



SPECIFICATIONS

AR-727H Datasheet							
Mode No.	M4	M6	M8	Networking			
User Capacity	1,024	65,536	1,024	Depends on Controller			
Event Log	1,200	N/A	1,200				
Access Mode	Card only, Card and PIN User no. and PIN	Card only	Card only Card and PIN PIN only	Depends on Controller			
Anti-pass Back	Single door	N/A	Single door	Multi-door Anti-pass back (16 doors)			
Control Mode in Networking	Mode 4	N/A	Mode 8	Mode 4 or Mode 8			
Wiegand	WG32	WG16	WG32	WG32			
Lift Control	32 Floor 1024 Users	N/A	32 Floor 1024 Users	32 Floor 1024 Users			
Editing Interface	Controller/ Software	Controller	Controller/ Software	Controller/ Software			
Power Consumption	< 3W						
Power Requirement	10-24 VDC						
Communication Interface	RS-485						
IP Rating	IP65						
Baud Rate	9600 bps (N, 8, 1)						
Operating Temperature	-20°C ~ +75°C						
DI Input	Egress Button, Door Sensor Arming Switch						
DO Output	1 Door Relay Output						
Transistor Output	Duress/Alarm/Arming LED						
Door Relay Time	0~600 sec.						
Alarm Relay Time	0~600 sec.						
Tamper Resist. Switch	Limit Switch (Form C)						
Anti-Passback	Yes						
Proximity Range	10 - 18cm (125k) / 3 - 8cm (13.56M)						
Serial Out	TTL (4800 bps, N, 8, 1)						
Auxiliary Wiegand Port	WG26/34, ABA-II, OMRON						
Real Time Clock	Yes						
Indicator	1 Bi-Colour LED 1 Piezo Sounder						
Housing Material	ABS						
Dimensions (mm)	126(H) x 91 (W) x 46(D)						
Weight (g)	200 ± 10						
LCD Display	128 x 64 (4 message line, 16 characters each line)						
Compliance	ISO14443A (13.56M only)						

TABLE OF USERS

Name of On-Site Programmer(s):

DEFAULT MASTE	Date:	Lock Time:			
USER MASTER O	Lock Time: Lock Type:				
User Address	Users Name	Card ID	User Code	Date	
		;			
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We recommend this page should be filled in and regularly updated and kept in a safe and secure location by the person responsible for the upkeep of the system.

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