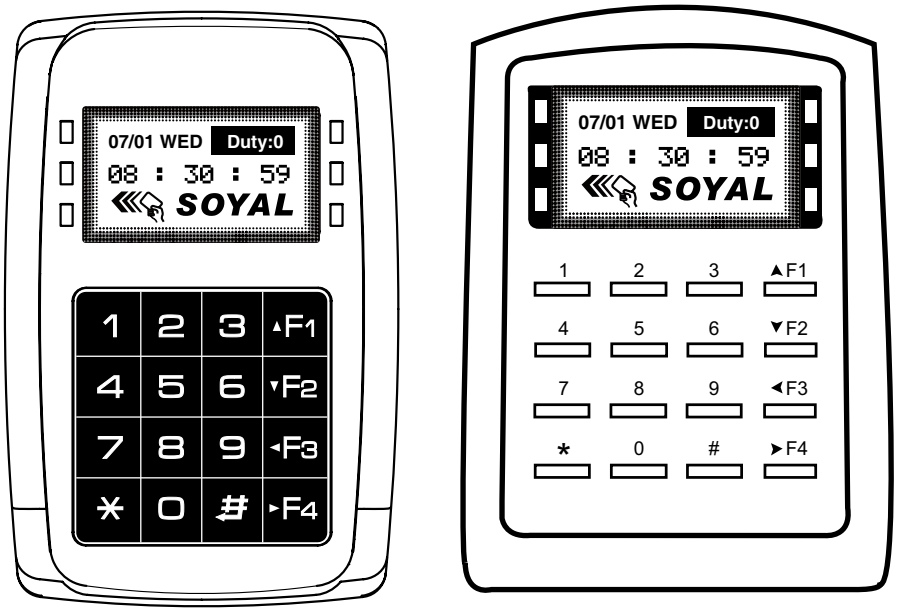
Multi-Function Graphic Proximity Controller

AR-327-E / AR-727E



1. Product Features

Multi-Function Graphic Proximity Controller AR-327-E

- Communication Redundancy
- 2 Sets of UART Ports
- Support SOYAL Cascade Structure
- Supports dynamic graphic control and timely jump to emergency events.

Classic Graphic Display Multi-Function Controller AR-727-E

- Supports dynamic graphic control and timely jump to emergency events.
- Support for elevator scheduling control.
- Outlook design with upgraded function, supporting TCP/IP

2. Application

- **Elevator Timed Scheduling Control**
  - Software Manual - LiftControl
  - Lift Control Application
- **SOYAL Access Control and Attendance**
  - SOYAL Access Related Function
  - Access Control Basic Terminology such as multi-door, single-door, all-in one control and separate control

Table of Contents

01. How to Order 01
02. Function Description of Front Panel & Indicator 01
03. Manu Tree 01
04. Full Function Command Menu Table 02
05. Adding and Deleting Tag 05
06. Programming 05
07. Restoring Factory Settings 07
08. IP Setting 07
09. Notice 08
10. Connector Table 08
11. Wiring Diagram 09
12. INSTALLATION 11
13. Installation 12
14. Contents 12

AR-327-E / 727-E

01. How to Order

AR-327-E

AR-327	E	X	R	1	1	1	1	X



Frequency
B = 125kHz
D = 13.56MHz
S = 125KHz+13.56MHz

Communication
1 = RS485

Color
1 = Silver

Additional Module
A = TCP/IP Module
P = POE Features

Product Category
E = E Series Access Controller

RTC
R = Built-in RTC

Waterproof
1 = Weatherproof

Language(LCD)
1 = English/Chinese

AR-727-E

AR-727	E	X	R	1	1	1	1	X



Frequency
B = 125kHz
D = 13.56MHz
S = 125KHz+13.56MHz

Communication
1 = RS485

Color
1 = Gray

Additional Module
A = TCP/IP Module
P = POE Features

Product Category
E = E Series Access Controller

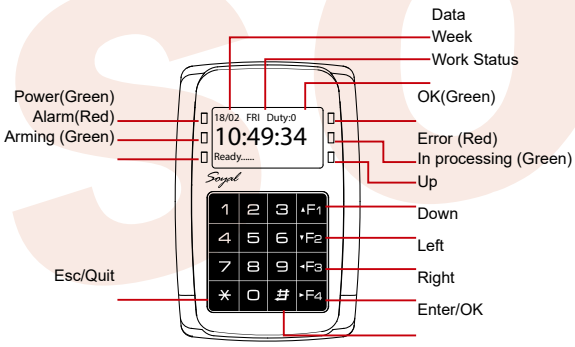
RTC
R = Built-in RTC

Waterproof
1 = Weatherproof

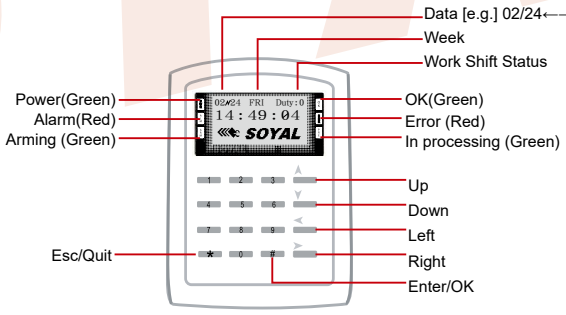
Language(LCD)
1 = English/Chinese

02. Function Description of Front Panel & Indicator

AR-327-E



AR-727-E



Attendance/Duty Functions			
		Press"1 time"	Press"2 times"
F1	Up	Duty on	Break out
F2	Down	Duty off	Break RTN
F3	Left	Overtime on	Go
F4	Right	Overtime off	Return
*	Esc / Quit	#	Enter / OK

03. Manu Tree

※ **The full screen menu setting is on Full Function Command Menu Table**

1. Add/ Delete
1. Add > Card ID
2. Add > RF Learn
3. Suspend > Address
4. Suspend > ID #
5. Delete > Address
6. Delete > ID #
7. Recover > Address
8. Recover > ID #
9. Antipass Group

2. User Setting
1. Password
2. Access Mode
3. Extend Options
4. Single Floor
5. Multi Floor

3. Parameters[1]
1. Node ID
2. OnOff OpenZone
3. Door Relay Tm
4. Door Close Tm
5. Alarm Relay Tm
6. Alarm Delay Tm
7. Arming Delay Tm
8. Arming PWD
9. PIN&UID format

4. Parameters[2]
1. Auto Relock
2. Egress(R.T.E)
3. Miscellaneous
4. Force Open
5. Close & Stop
6. Anti-pass-back
7. Duress Code
8. Password Mode
9. Factory Reset

5. Tools
1. Language
2. Master Code
3. Master Range
4. Terminal Port
5. Ext.Comm Port
6. Open Time Zone
7. Informations
8. Clock Setting
9. Daily Alarm
0. UART Port
A. Event Logs

6. Quit

7. Quit & Arming

04. Full Function Command Menu Table

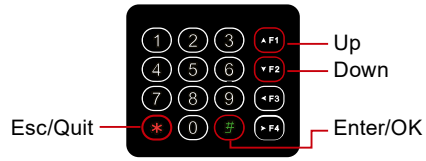
- **Entering**

Input *123456# or *PPPPPP#

[e.g.] The Default Value= 123456. If already changed the Master Code= 876112, input *876112#

→ Access programming mode

P.S.If no instruction is entered within **30 sec.**, it will automatically leave the programming mode.



1. Add/ Delete

1-1. Add -> Card ID

1-1-1
User Address:
00000 XXXXX
Range: (0-16383)

1-1-2
Set (User Address) Code:
00000 XXXXX
(1-10 Digital)

1-1-3
Set (User Address) Code:
00000:_XXXX
Range: (0-65535)

1-2. Add -> RF-learn

1-2-1
User Address:
F3: Prev F4: Next
Range: (0-016383)

1-2-2
Tag Uints (pcs)
Must be Sequence
Range: (1-016378)

1-2-3
Close Tag
Into RF Area

1-3. Suspend -> Address

1-3-1
Input Start Address
Range: (0-16383)

1-3-2
Input End Address
Range: (0-16383)

1-4. Suspend > ID #

1-4-1
Set Site:
00000:XXXXX
Range: (0-65535)

1-4-2
Set Code:
00000:XXXXX
Range: (0-65535)

1-5. Delete > Address

1-5-1
Input Start Address
Range: (0-16383)

1-5-2
Input End Address
Range: (0-16383)

1-6. Delete > ID #

1-6-1
Set Site:
00000:XXXXX
Range: (0-65535)

1-6-2
Set Code:
00000:XXXXX
Range: (0-65535)

1-7. Recover > Address

1-7-1
Input Start Address
Range: (0-16383)

1-7-2
Input End Address
Range: (0-16383)

1-8. Recover > ID #

1-8-1
Set Site:
00000:XXXXX
Range: (0-65535)

1-8-2
Set Code:
00000:XXXXX
Range: (0-65535)

1-9. Antipass Group

1-9-1
Input Start Address
Range: (0-16383)

1-9-2
Input End Address
Range: (0-16383)

1-9-3
Enable Antipass
0: NO 1: YES
Data: 0

2. User Setting

2-1. Password

2-1-1
User Address:
F3: PreV F4: Next
Range (0-016383)

2-1-2
Input PIN Code
Rang: 0000~9999

2-2. Access Mode

2-2-1
User Address:
F3: Prev F4: Next
Range (0-163833)

2-2-2
0: Invalid 1: Card
2: Card or PIN
3: Card & Pin

2-3. Extend Options

2-3-1
User Address:
F3: Prev F4: Next
Range (0-16383)

2-3-2
Is Guard User
0: NO 1: YES

2-3-3
Enable Antipass
0: NO 1: YES
Data: 1

2-4. Single Floor

2-4-1
User Address:
F3: Prev F4: Next
Range (0-016383)

2-4-2
Set Single Floor
(Range: 01~64)
Clear the Others

2-5. Multi Floors

2-5-1
User Address:
F3: Prev F4: Next
Range: (0-016383)

2-5-2
Select Range:
1: 01-16 2: 17-32
3: 33-48 4: 49-64

2-5-3
0->NO 1->YES
Current Setting:
1000000000000000

3. Parameters [1]

3-1. Node ID

3-1-1
Input New NodeID
Range: 001~254
Current Data: 001

3-1-2
Main Door Number
Range: 000~255

3-1-3
WG1 Door Number
Range: 000~255

3-1-4
Show WG Message
0: NO 1:Enable
1

3-1-5
Enable DHCP
0: No 1: En 2: Exit
192.168.001.127*
0

3-1-6
IP Address (IPv4)
192.168.001.127
192.xxx.xxx.xxx

3-1-7
Net Mask (IPv4)
255.255.255.000
255.xxx.xxx.xxx

3-1-8
Gateway (IPv4)
192.168.001.254
192.xxx.xxx.xxx

3-2. OnOff OpenZone

3-2-1
Main Controller
Auto Open Zone
Dis/Enable (0/1)
0

3-2-2
WG1 Port Auto Open
Zone Dis/Enable (0/1)
0

3-3. Door Relay Tm

3-3-1
Main Door OpenTm
Range: 000~609
601~609=0.1~0.9
007

3-3-2
WG1 Door OpenTm
Range: 000~609
601~609=0.1~0.9
007

3-4. Door Close Tm

3-4-1
Main Door Close
delay time (Sec)
Range: 000~255
015

3-4-2
WG1 Door Close
delay time (Sec)
Range: 000~255
015

3-5. Alarm Relay Tm

3-5-1
Alarm Relay Time
Range: 000~609
601~609=0.1~0.9
015

3-6. Alarm Delay Tm

3-6-1
Alarm Output
Delay time (Sec)
Range: 000~255

3-7. Arming Delay Tm

3-7-1
Enter armed sta.
Delay time (Sec)
Range: 000~255
001

3-7-2
Armed Pulse out-
put time. (10ms)
Range:000~255
000

3-8. Arming PWD.

3-8-1
Input PIN Code
Range: 0000~9999
1234

3-9. PIN&UID format

3-9-1
User PIN Length
Range: 4~8
4

3-9-2
Card UID Length
Range: 2~8
4

3-9-3
Show UID :0=No
1=WG 2=ABA
3=HEX 4=WG26
5=ABA8
1

3-9-4
NFC 13.56MHz RF
0: Disable
1: Enable
1

3-9-5
RFID 125KHz RF
0: Disable
1: Enable
1

3-9-6
'#' is Door Bell
0: Disable
1: Enable
0

3-9-7
User Capacity:
0: 16384 1: 32768
2: 65536 (0~2)
0

3-9-8
Buzzer Volume :
0: Silent Mode
1~9 : Volume Level
9

※**User PIN Length Range:4~8(4 is default value) ; Card PIN Length Range:2~8(4 is default value)**

4. Parameters [2]

4-1. Auto Relock

4-1-1
Main Controller
Auto Relock Door
0: NO 1:YES
0

4-1-2
WG Prot
Auto Relock Door
0: NO 1:YES
0

4-2. Egress(R.T.E)

4-2-1
Main Controller
Request To Exit
0: Dis 1:Enable
0

4-2-2
WG1 Port
Request To Exit
0: Dis 1:Enable
0

4-3. Miscellaneous

4-3-1
Main Controller
TimeAttendance
0: YES 1: NO
0

4-3-2
WG1 Port
TimeAttendance
0: YES 1: NO
0

4-3-3
Main Controller
Skip PIN Check
0: NO 1: YES
0

4-3-4
WG1 Port
Skip PIN Check
0: NO 1: YES
0

4-3-5
Main Controller
Pass any Tags
0: NO 1: YES
0

4-3-6
WG1 Port
Pass any Tags
0: NO 1: YES
0

4-3-7
WG1 Port
Share Main Relay
0: NO 1: YES
0

4-3-8
Tag Second time
interval (10ms)
Range: 0000~9999
0100

4-3-9
Max error times
for lock keypad
Range: (0~9)
5

4. Parameters [2]

4-3. Miscellaneous

4-3-10
Main Controller
On Egress Beeps
0: NO 1: Bi 2: Bibb
2

4-3-11
WG1 Port
On Egress Beeps
0: NO 1: Bi 2: Bibb
2

4-3-12
Lock Door Relay
0: NO 1: YES
0

4-3-13
Interlock to WG ?
0:NO 1:YES
0

4-4. Force Open ..

4-4-1
Main Controller
Force Open Alarm
0: NO 1: YES
0

4-4-2
WG1 Port
Force Open Alarm
0: NO 1: YES
0

4-5. Close & Stop

4-5-1
Main Controller
Close Door Stop
Alarm 0: NO 1:YES
0

4-5-2
WG1 Port
Close Door Stop
Alarm 0: NO 1:YES
0

4-6. Anti-passback

4-6-1
Main Controller
Anti-passback
0: NO 1: YES
0

4-6-2
WG1 Port
Anti-passback
0: NO 1: YES
0

4-7. Duress Code

4-7-1
Input PIN Code
Range: 0000~9999

4-8. Password Mode

4-8-1
Password Mode
0: Addr. & PIN(M4)
1: PIN(M8) 2:M6
1

4-9. Factory Reset

4-9-1
0: System Param.
1: User Setting
2: System & User
2

5. Tools

5-1. Language

5-1-1
0: English (USA)
1: Chinese (TW)
0

5-2. Master Code

5-2-1
Input MasterCode
000001~999999
123456

5-3. Master Range

5-3-1
Input Start Addr
Range: (0-16383)
000000

5-3-2
Input End Addr
Range: (0-16383)
000000

5-4. Terminal RS485

5-4-1
0: Lift 1: Host
2:LED 3: PRN
1

5-4-2
Baud Selection
0: 9600 1: 19200
2: 38400 3: 57600

5-5. Ext.Comm CN11

5-5-1
0: Suspend 1:Lift
2: Voice 3: PRN
1

5-5-2
0: 4800 1: 9600
2: 19200 3: 38400
1

5-5-3
Elevator floor
button available
Range: (1~600)
000

5-6. Open Time Zone

5-6-1
Set <F1~F4,#>: 01
00:00~00:00 ..
SuMoTuWeThFrSaHo
0 0 0 0 0 0 0 0

5-6-2
Time=00:00~00:00
Main Port (0/1):0
WG Port (0/1):0

5-6-3
Weekday: (0/1)
SuMoTuWeThFrSaHo
X X X X X X X X
0 0 0 0 0 0 0 0

5-7. Informations

5-7-1
F/w Ver: 4.4T
Users: 00000
Messages: 00000
Press any Key ...

5-8. Clock Setting

5-8-1
YY: XXXX MM: XX
Day: XX Hour: XX
Min: XX Sec: XX

5-8-2
Month/Day Format
0: DD/MM 1: MM/
DD

5-9. Daily Alarm

5-9-1
Set <F1~F4,#>: 01
00:00 Sec.=000
SuMoTuWeThFrSaHo
0 0 0 0 0 0 0 0

5-9-2
Start Tm=00:00
Effect Sec.=000

5-9-3
Weekday: (0/1)
SuMoTuWeThFrSaHo
X X X X X X X X
0 0 0 0 0 0 0 0

5-0. UART Port CN9

5-0-1
0: Lift9600 1: PRN
2: LED 3: Voice
0

5-0-2
Elevator floor
button available
Range: (1~600)
015

5-A. Event Logs

5-A-1
20'06/04 2359:26

(M24)Controller
Power On 00000

※**More Details**：[Introduction of New Function Commands for Enterprise E Controller and Home H Controller]

6. Quit

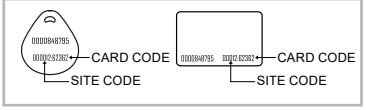
7. Quit & Arming

05. Adding and Deleting Tag

※ User capacity: 16384 (00000~16383)

- **Adding Tag by Tag ID**
  Access programming mode → 1 Add/Delete → 1 Add -> Card ID → **Input 5/6-digit user address** → **Input Site Code** → **Input Card Code**
- **Adding Tag by RF Learn Function**
  Access programming mode → 1 Add/Delete → 2 Add -> RF-Learn → **Input 5/6-digit user address** → **Input Tag Units(pcs)** → **Close Tag into RF Area**
  ※ If adding a batch of **Sequential** tags, please input Tag Units(pcs) in the quantity of the tags and present the tag with the **lowest card code** to the access controller.

Tag Information



- **Deleting User Address**
  Access programming mode → 1 Add/Delete → 5 Delete -> Addr → **Input Starting address** → **Input Ending address**
- **Deleting Tag by Tag ID**
  Access programming mode → 1 Add/Delete → 6 Delete -> ID # → **Input Site Code** → **Input Card Code**
- **Setting up the access mode**
  Access programming mode → 2 User Setting → 2 Access Mode → **Input User Address** → **0: Invalid; 1: Card ; 2: Card or PIN; 3: Card & PIN**

06. Programming

A. Keyboard Lock/ Unlock

- **Lock/ Unlock**
  Press * and #, and at the same time to lock keyboard. Press again to unlock.

B. Entering and Exiting Programming Mode

- **Entering**
  Input *123456# or *PPPPPP#
  [e.g.] The Default Value= 123456. If already changed the Master Code= 876112, input *876112# → Access programming mode
  P.S.If entering no instruction within **30 sec.**, it will automatically leave the programming mode.
- **Exiting**
  Press the * repeatedly → 6 Quit or 7 Quit and Arming (Please refer to alarm / arming setting)
- **Changing the Master Code**
  Access programming mode → 5 Tools → 2 Master Code → Input the 6-digit new master code → Succeeded

C. Initial setup

- **Language Setting**
  Access programming mode → 5 Tools → 1 Language → 0 EN → Succeeded → Initial system...
- **Node ID of Reader Setting**
  Access programming mode → 3 Parameters[1] → 1 Node ID → **Input New Node ID : 1~254** (default value:001) → **Main Door Number : 0~255** → **WG1 Door Number : 0~255** → **Show WG Message (0=No,1=Enable)** → Network setting → Succeeded

D. PIN & UID Length setting

Access programming mode → 3 Parameters[1] → 9 PIN & UID format → **User PIN Length Range:4~8(4 is default value) ; Card PIN Length Range:2~8(4 is default value)**

E. Duress Code

Access programming mode → 4 Parameters[2] → 7 Duress Code → **4 sets (select one)** → **Input 4-digit PIN (0001~9999)** → Succeeded

Or via 701Server to set it on AR-829E-V5 screen

※Duress Code is only available in networking mode. It will substitute a personal pin code and send the message of Duress to computer as a warning signal.
※The Duress Code 0000 means that disable Duress Function and the default value is set as 0000 already.

F. PIN Code

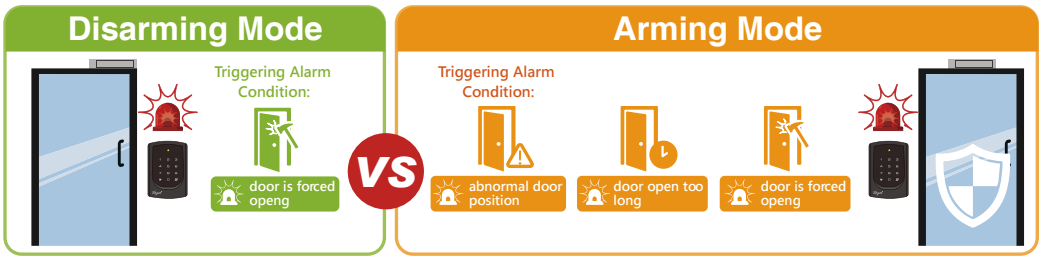
- Access programming mode → 2 User Setting → 1 Password → **Input 5/6-digit user address** → **Input 4-digit PIN (0001~9999)** → Succeeded
  Or via 701Client set it on Users screen

M. Setting up the alarm / arming

In the security management of access control system, the controller or reader status is divided into Standby Mode or Disarming Mode and Arming Mode. The conditions for triggering the alarm in these two modes is different, as shown in the following comparison:

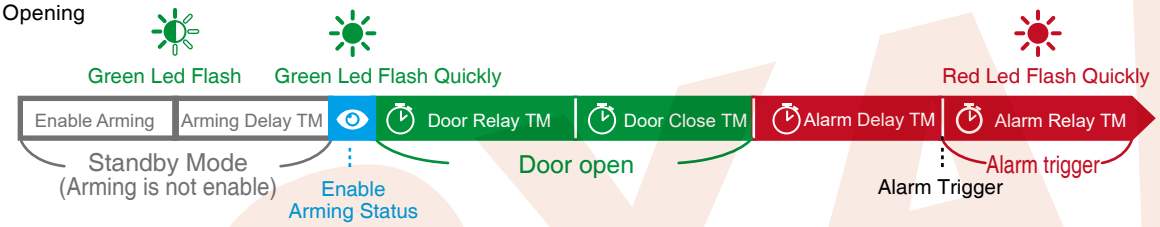
- **Alarm triggering condition of Disarming Mode:**
  1. Forced open

- **Alarm triggering condition of Arming Mode:**
  1. **The door sensor input is open-circuit:** Occurs when the door contact is disconnected at startup or the door is not fully closed, and the controller is in an armed state.
  2. **Exceed max. open time:** Door is opened exceeding door maximum open time limit plus door close time.
  3. **Forced open:** Access by force or illegal procedure, rather than valid card, PIN or biometric recognition.

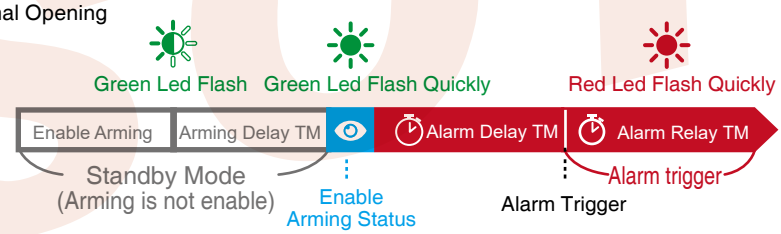


- **Arming Setting and Alarm Trigger Procedure :**

1.Normal Opening



2.Abnormal Opening



- **Enable Arming status:**

Standby Mode			
Card only		**Card or Passcode**	**Card and Passcode**
Enable all devices	**Enable particular device**	Input 5 digit user address → Input 4 digit pass code → # → Input 4 digits arming code → * * # or * 0 or 1 #	Induct valid card → Input 4 digit pass code → # → Input 4 digits arming code → * * # or * 0 or 1 #
Induct valid card → Input 4 digit arming code → * * #	Induct valid card → Input 4 digit arming code → * 0 or 1 # or #		
Enter Program Mode			
Enable all devices: Access programming mode → * * #		**Enable particular device:** Access programming mode → * * 0 or 1 #	

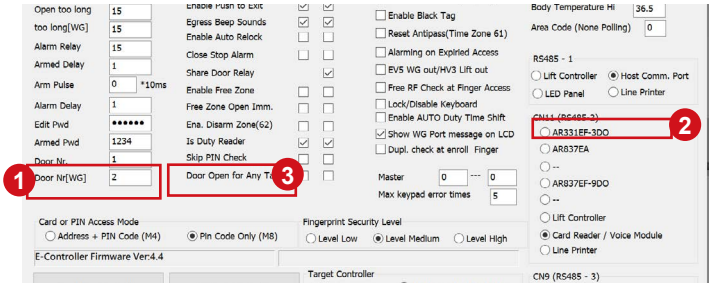
- **Disable Arming status:**

Standby Mode			
Card only		**Card or Passcode**	**Card and Passcode**
Disable all devices	**Disable particular device**	Input 5 digit user address → Input 4 digit pass code → # → Input 4 digits arming code → * 9 # or * 0 or 1 #	Induct valid card → Input 4 digit pass code → # → Input 4 digits arming code → * 9 # or * 0 or 1 #
Induct valid card → Input 4 digit arming code → * 9 #	Induct valid card → Input 4 digit arming code → * 0 or 1 # or #		

※ Factory default armingcode is: 1234. 0 or 1=Reader unit (0=Main Controller Parameter Setting,1=WG Input Port Parameter Setting).

H. Enable Voice Module (supporting version : F/w Ver 3.02 or later)

- Hardware setting
  Access programming mode → 5 Tools → 5 Ext. Comm Port → 2 Voice
- Software Setting 701 Server or
- **Step 1.** Click "Read from Controller"
  Step 2. Select "Card Reader / Voice Module" in RS485-2 section.
  Step 3. Click "Write to Controller" to finish the setting.



07. Restoring Factory Settings

Reset all device parameters and user card data

- **Reset all device parameters and user card data:**
  Access programming mode → 4 Parameters2 → 9 Factory Reset → **0 : System Param ;**
  1 : User Setting ; 2 : System & User
- **Reset IP Setting:**
  When the device's power is on, press the【RESET】button the main board untill the ERR (Red) LED of screen lights up. (Reference to picture)

※ After operation as above, you will hear the long reminder sound,and wait until the sound disappear then reset the power of the controller,the device will restore factory setting.



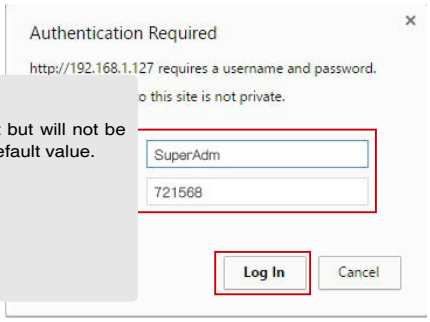
08. IP Setting

- **Open your Web Browser and input factory default IP address: http://192.168.1.127**

If the IP address of AR-327-E / 727-E has changed We must enter the new IP address.



- **Log-in User Password**
  When you choose the "Networking Setting" or "User Password" at first.
  Log-in window will pop out and please input
  ※ At the Factory Default User name: SuperAdm / Password: 721568



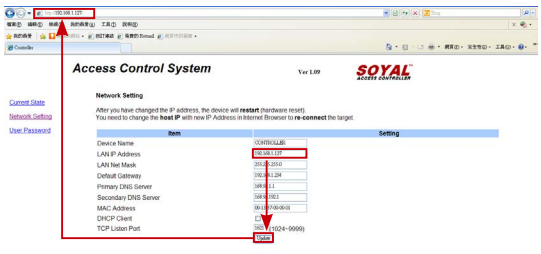
NOTE :

- User Name is different from old and new version, password can be modify via [User Password] setting on the list but will not be change from updating new version. If you forgot the password, the solution is pressing Reset Button to reset it as default value.

Firmware Version	User name	Password (changeable)
After 2020/01/21	SuperAdm	Default Password : 721568 or self-definition
Before 2020/01/21	admin	Default Password : admin/ password not required or self-definition

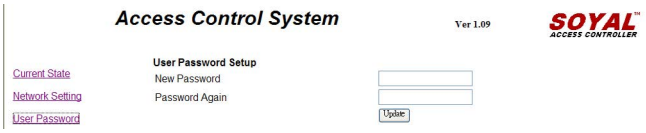
- **Networking Setting**

You will find initial IP Address 192.168.1.127 and check MAC Address is the same as sticker on Ethernet Module device. Please revise IP address you want, and then click “Update” button. After updating the IP, please re-connect the Web Browser by new IP address.



- **User Password**

Change the log-in password to lock the IP setting of Ethernet Module.
The password composes of 10 characters at most, it can be either A~Z or 0~9.



09. Notice

1.Tubing: The communication wires and power line should NOT be bound in the same conduit or tubing.

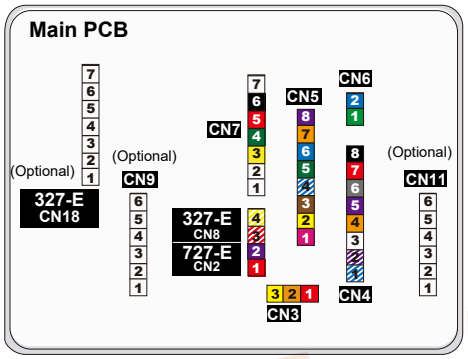
2.Wire selection: Use AWG 22-24 Shielded Twist Pair to avoid star wiring ,CAT 5 cable for TCP/IP connection. Don't equip reader and lock with the same power supply. The power for reader may be unstable when the lock is activating, that may make the reader malfunction.

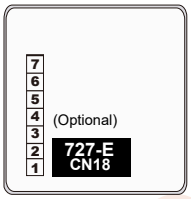
3.Power supply: The standard installation: Door relay and lock use the same power supply, and reader use independent power supply.

10. Connector Table

Cable: CN4 Main Port

Wire Application	Wire	Color	Description
Lock Relay	1	Blue White	(N.O.)DC24V1Amp
	2	Purple White	(N.C.)DC24V1Amp
Lock Relay COM	3	White	(COM)DC24V1Amp
Door Sensor	4	Orange	Negative Trigger Input
Exit Switch	5	Purple	Negative Trigger Input
Alarm Relay	6	Gray	N.O./N.C. Optional (by jumper)
Power	7	Thick Red	DC 12V
	8	Thick Black	DC 0V





AR-727-E LCD-PCB

Cable: CN5 WG Port

Wire Application	Wire	Color	Description
Beeper	1	Pink	Beeper Output 5V/100mA, Low
LED	2	Yellow	Red LED Output 5V/20mA, Max
	3	Brown	Green LED Output 5V/20mA, Max
Door Output	4	Blue White	Transistor Output Max. 12V/100mA (Open Collector Active Low)
Wiegand	5	Thin Green	Wiegand DAT: 0 Input
	6	Thin Blue	Wiegand DAT: 1 Input
WG Door Sensor	7	Orange	Negative Trigger Input
WG Exit Switch	8	Purple	Negative Trigger Input

Cable: CN6

Wire Application	Wire	Color	Description
RS-485 for Lift Controller	1	Thick Green	RS-485(B-)
	2	Thick Blue	RS-485(A+)

Cable: CN7 (AR-327-E By order)

Wire Application	Wire	Color	Description
	1	---	---
	2	---	---
TCP/IP Module Output	3	Yellow	Net - TX+
	4	Green	Net - TX-
	5	Red	Net - RX+
	6	Black	Net - RX-
	7	---	---

Cable: CN3

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

Cable: CN8

Wire Application	Wire	Color	Description
Power	1	Red	DC 12V Output
Security trigger signal	2	Purple	Security trigger signal Output
Arming	3	Red White	Arming Output
Duress	4	Yellow White	Duress Output

Optional Cables

Cable: CN11 (Optional:Lift Control w/ AR-725L485; SW:RS485-2) CN9 (Optional:Voice Module; SW:RS485-3)

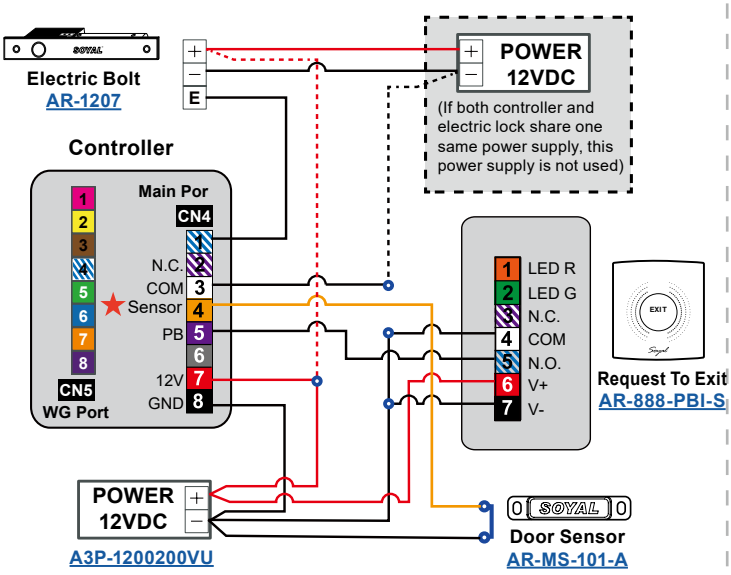
Wire Application	Wire	Color	Description
TTL Port for Lift Control or Voice Module (*Required speaker 8Ω / 1.5W (Max. 2W)	1	Black	DC 0V
	2	Yellow	TX
	3	White	TE
	4	Orange	RX
	5	Red	DC 5V
	6	---	---

Cable: AR-327-E: CN10 / AR-727-E: CN18

Wire Application	Wire	Color	Description
HID ProxII RF Module	1	Orange	ANT 1
	2	Purple	ANT 2
	3	Black	DC 0V
	4	Red	DC 5V
	5	Blue	Wiegand DAT: 1 Input
	6	Green	Wiegand DAT: 0 Input
	7	White	--

11. Wiring Diagram

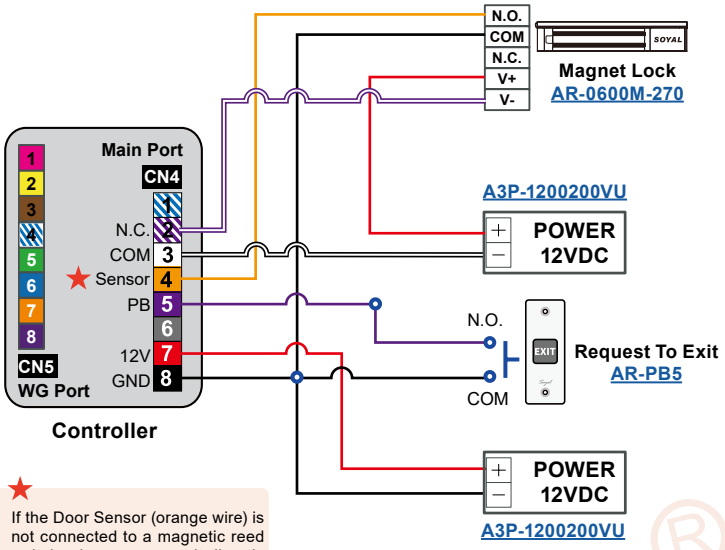
Connect to Electric Bolt



※ The above wiring diagram is used for two power supply configuration. If the controller and the electric lock share one same power supply, please connect the V+ & V- of the electric lock to the V+ and V- of the power supply of the controller.

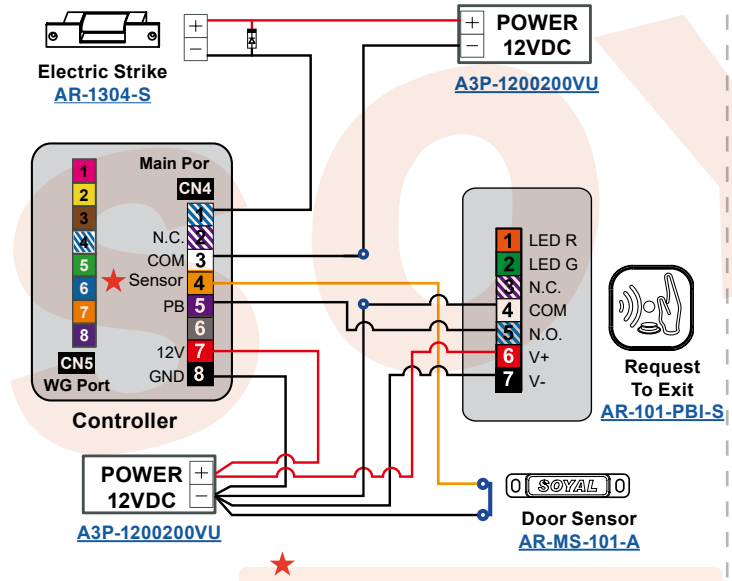
★ If the Door Sensor (orange wire) is not connected to a magnetic reed switch, please connect it directly to ground.

Connect to Magnetic Lock



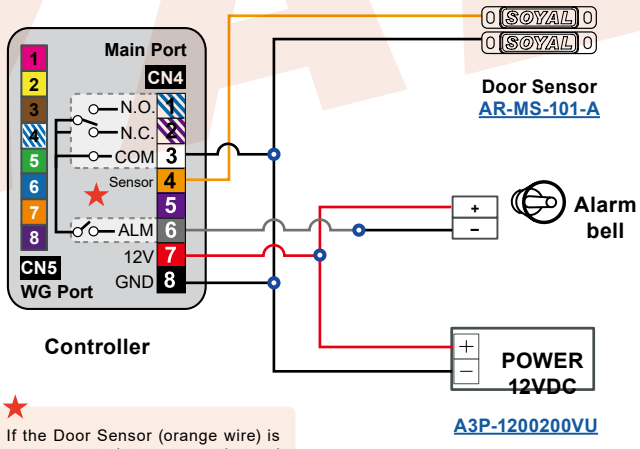
★ If the Door Sensor (orange wire) is not connected to a magnetic reed switch, please connect it directly to ground.

Connect to Electric Strike



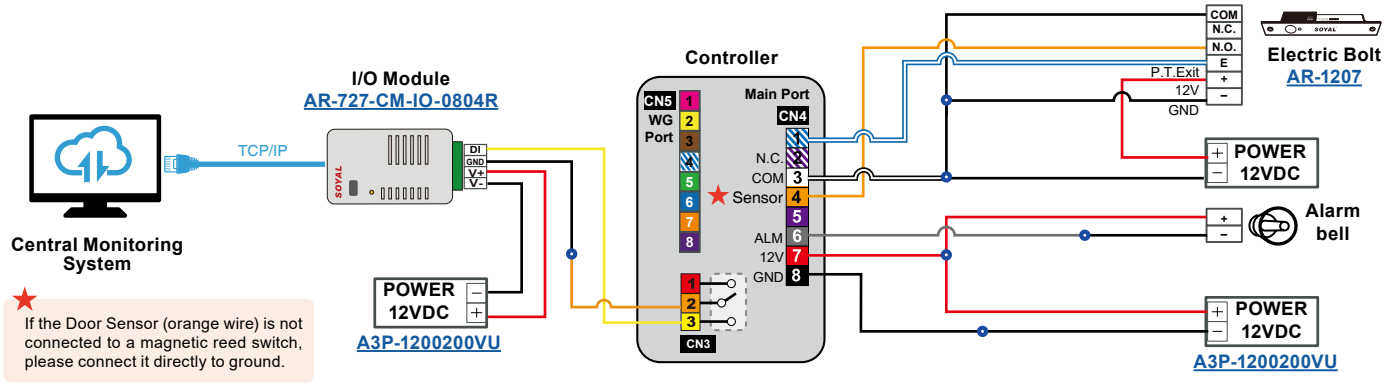
★ If the Door Sensor (orange wire) is not connected to a magnetic reed switch, please connect it directly to ground.

Door Open Too Long Alarm Wiring Method (External Sensor)



★ If the Door Sensor (orange wire) is not connected to a magnetic reed switch, please connect it directly to ground.

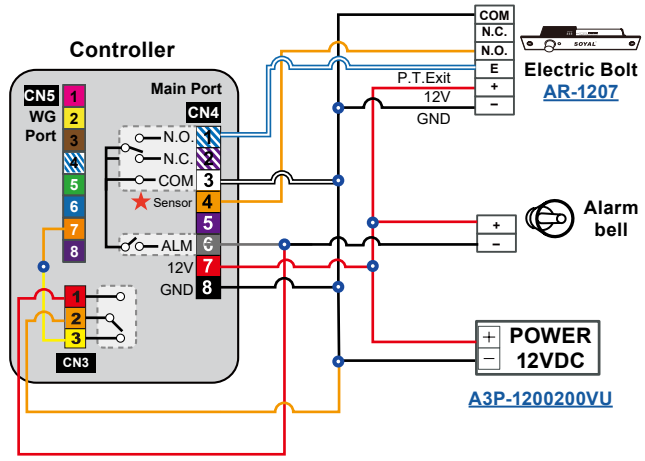
Tamper-Switch Alarm Wiring Method (Cloud Monitoring Active Reporting Type-TCP)



★ If the Door Sensor (orange wire) is not connected to a magnetic reed switch, please connect it directly to ground.

Tamper-Switch Alarm Wiring Method

(Simplified Peace of Mind Type-WG Port Sensor Wiring Method)

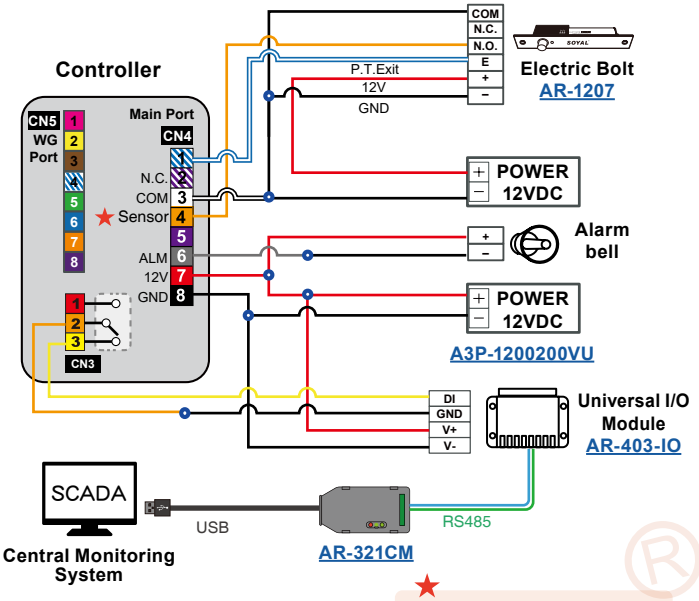


※ Enable [Share Door Relay] & WG Port option [Enable Force Alarm] via Parameter Setting of 701Server Software

★ If the Door Sensor (orange wire) is not connected to a magnetic reed switch, please connect it directly to ground.

Tamper-Switch Alarm Wiring Method

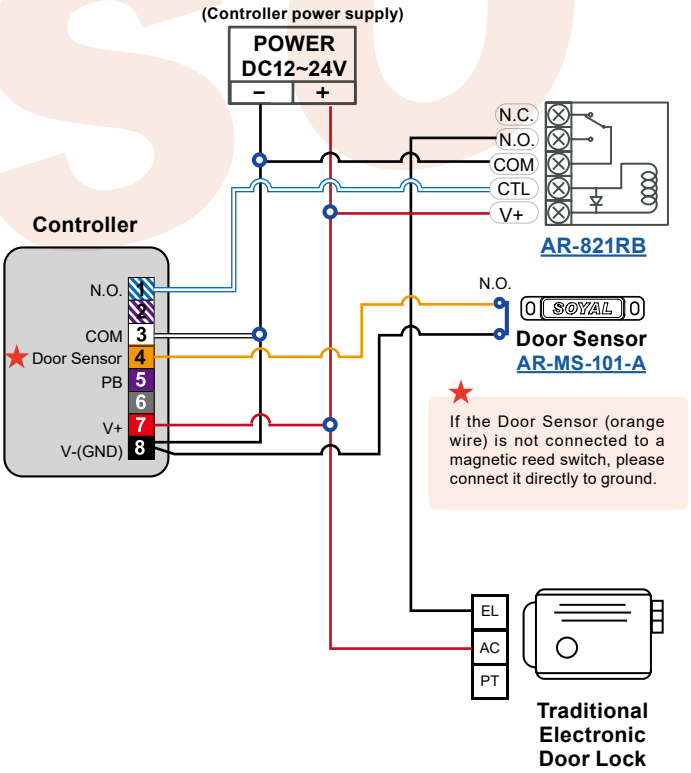
(Centralized Monitoring Type with Assurance(RS485)-Connect to Central Monitoring System through Modbus via Universal I/O Module)



※ Enable [Share Door Relay] & WG Port option [Enable Force Alarm] via Parameter Setting of 701Server Software

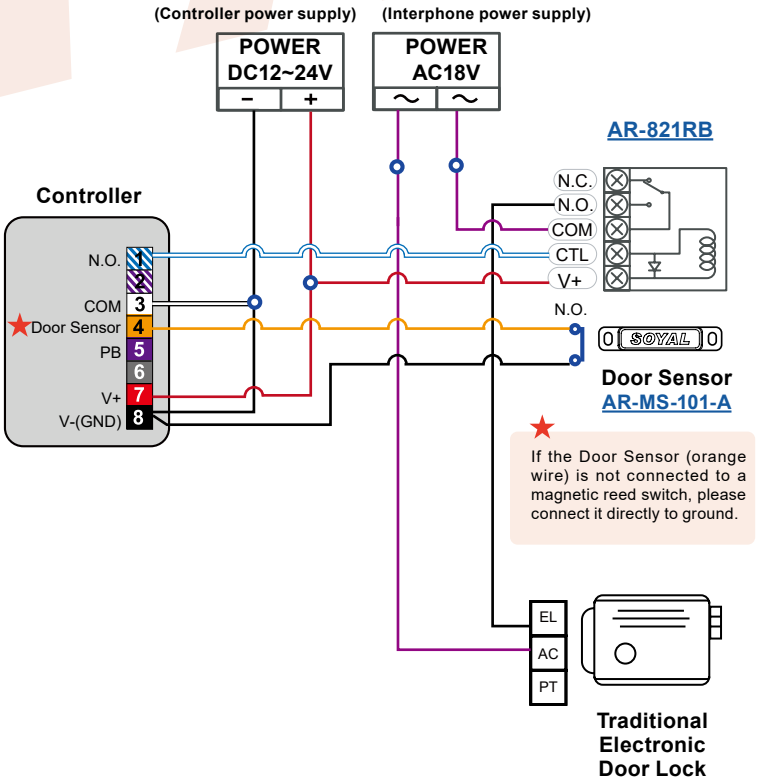
★ If the Door Sensor (orange wire) is not connected to a magnetic reed switch, please connect it directly to ground.

Traditional Electronic Door Lock wiring diagram adopted with controller power supply



★ If the Door Sensor (orange wire) is not connected to a magnetic reed switch, please connect it directly to ground.

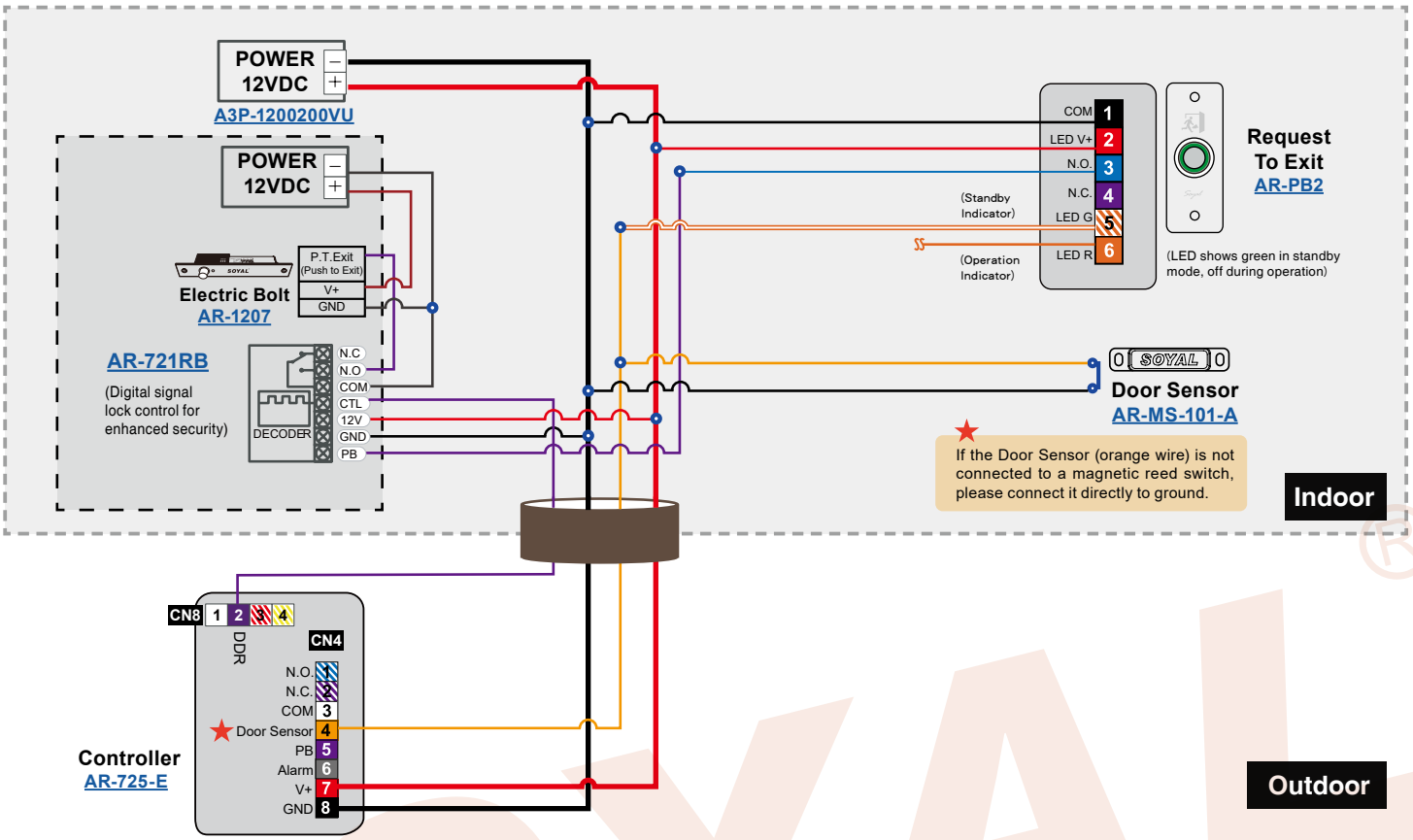
Traditional Electronic Door Lock wiring diagram adopted with interphone power supply



★ If the Door Sensor (orange wire) is not connected to a magnetic reed switch, please connect it directly to ground.

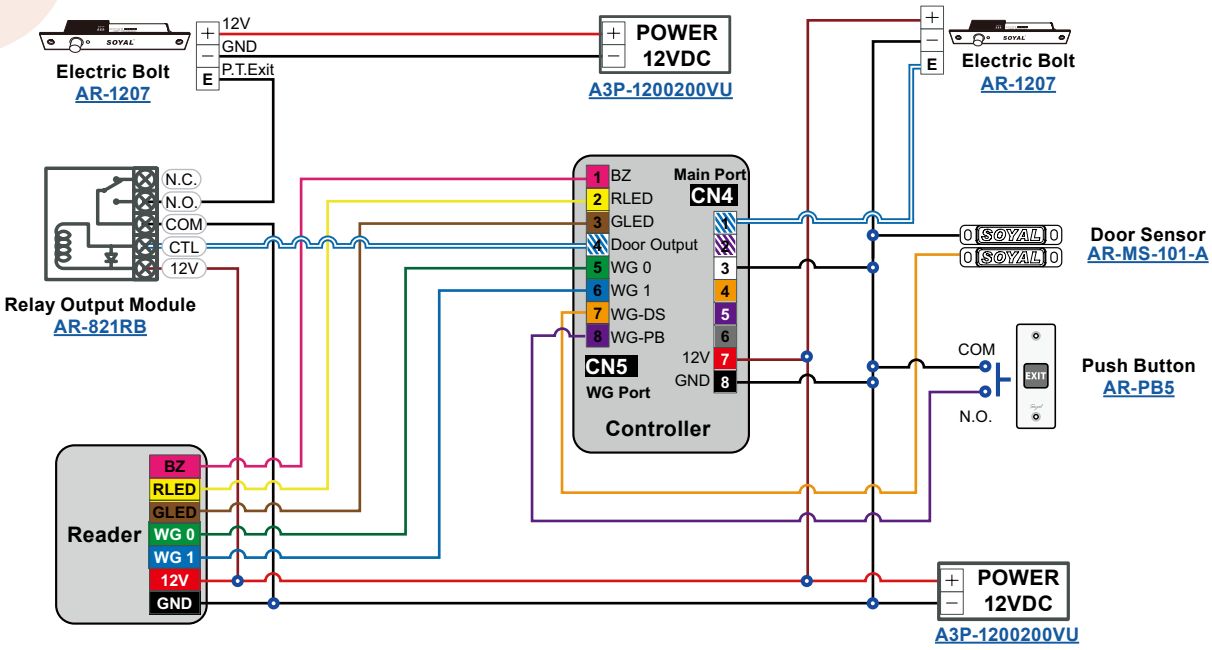
※ This wiring diagram function is required to setup Door Relay Time in 1 sec, please refer to 02 [*] TTT [#] command.

Uses digital signal to release the electric lock for enhanced safety.
[AR-721RB requires direct connection to the electric lock.]

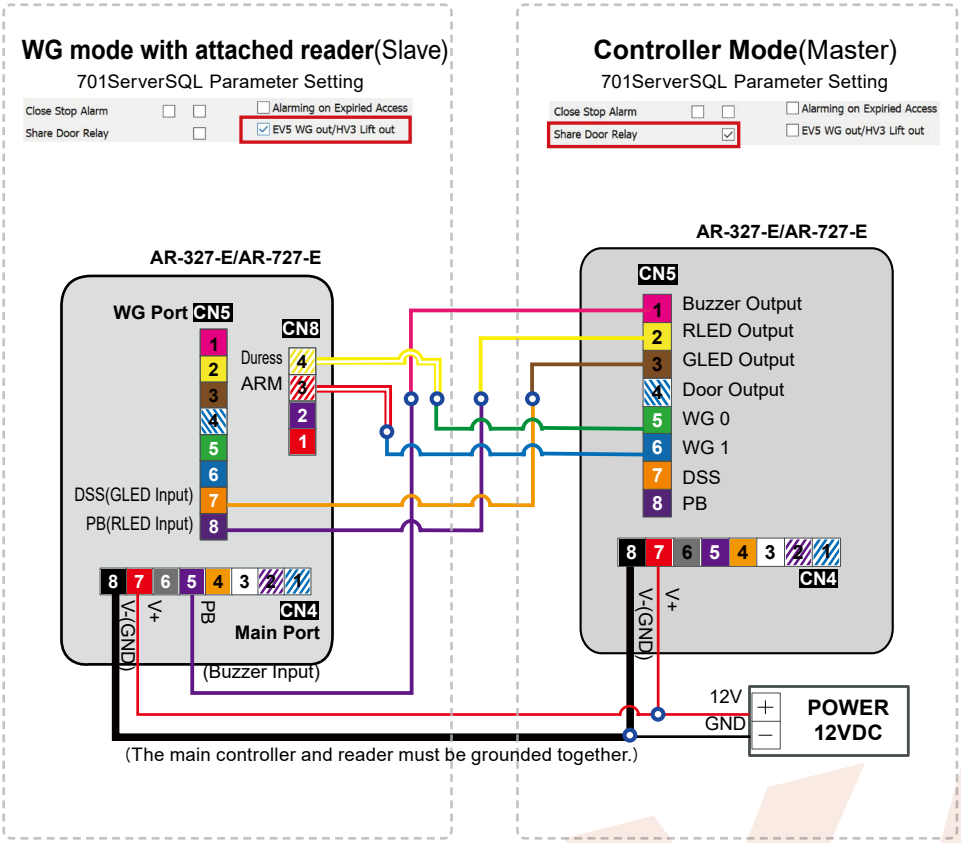


Enable "Share Door Relay" to open the same electronic lock regardless of whether it is triggered by the main controller or the Wiegand reader. This is achieved by using the NO contact of the blue-white wire in CN4, suitable for systems where the controller and the reader control the same lock.
Disable "Share Door Relay" for card swiping on the main controller, triggering the NO contact of the blue-white wire in CN4. For card swiping on the Wiegand reader, triggering the NO contact of the blue-white wire Door Output in CN5 WG Port. This allows the main controller and the reader to independently control two electronic locks.

Connect to Reader



WG Mode / Controller Mode Setting Method ,AR-725-E become WG mode (28 * 000 #)



1. E Series Controlleer can be set up as WG26/ WG34/WG64 while the Controller is in WG Mode.
   These Controller can also be paired with the Controller that has WG input function.

2. Networking Setting: Select E Series Controller Parameter Edit in 701Server,tick up the function “Ev5 WG out/Hv3 Lift out”

3. Please restart the controller after pressing “Write to Controller”.

※Using Rule :

Finger : Both 725-E Master mode and 725-E WG mode must store all the same FP data and real or visual card number.

Card : Can pass WG message to controller.

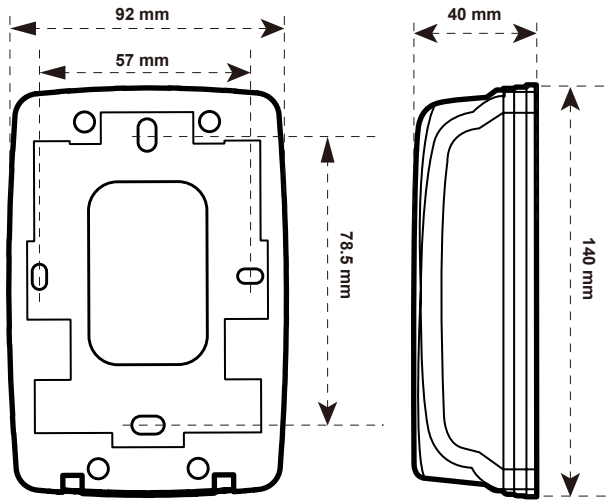
※Please refer to the FAQ for software configuration instructions: How to set the E Series card reader to Wiegand output mode?

※FAQ : How to setup biometric controller of AR-837EF/AR-837EA as weigand reader and enable Anti-Pass back function?

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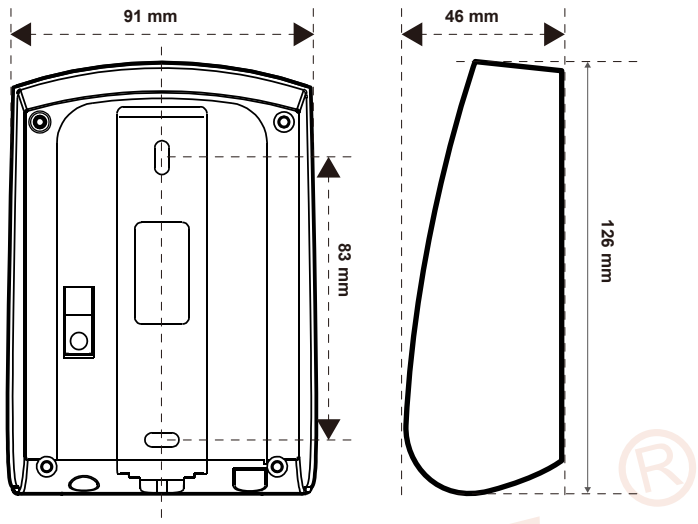
12. INSTALLATION

AR-327-E



Front View　　Side view

AR-727-E

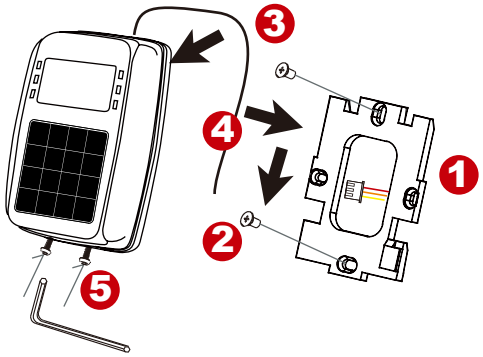


Front View　　Side view

SOYAL®

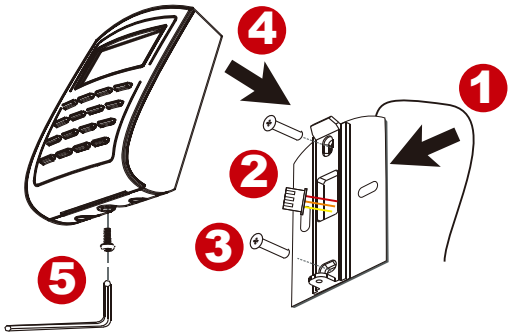
13. Installation

AR-327-E



- Pull the cables from the square hole of the mounting plate.
- Use a screw to 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, the LED will light and hear the beep sound, you will see "Ready"" on LCD board.

AR-727-E



- Attach the water proof strip to the mounting plate.
- 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, the LED will light and hear the beep sound, you will see "Ready"" on LCD board.

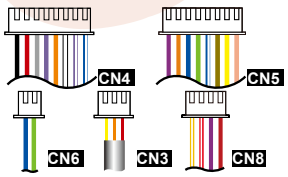
14. Contents

AR-327-E:Touch-panel Metal Case

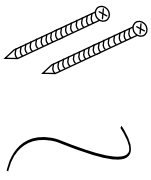
1 Products



2 Terminal Cables



3 Tools



Water proof Strip

4 Optional



AR-821RB



AR-721RB Digital Relay



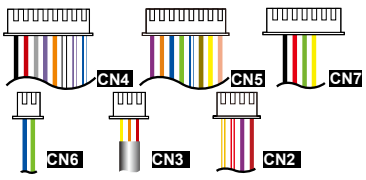
TCP/IP Module and Cable

AR-727-E

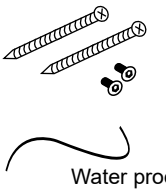
1 Products



2 Terminal Cables



3 Tools



Water proof Strip

4 Optional



AR-821RB



AR-721RB Digital Relay