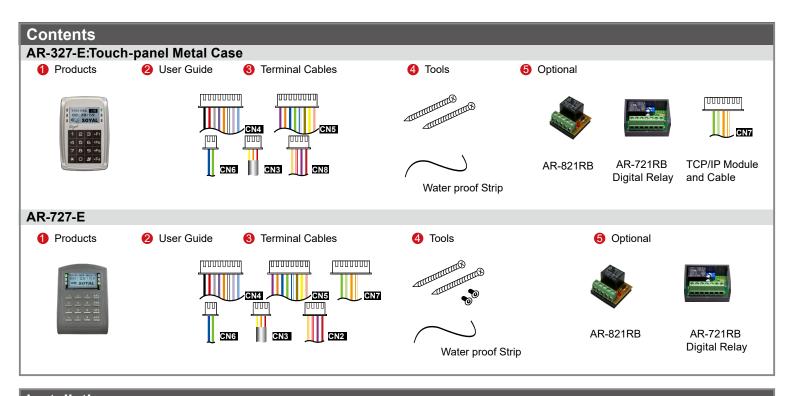
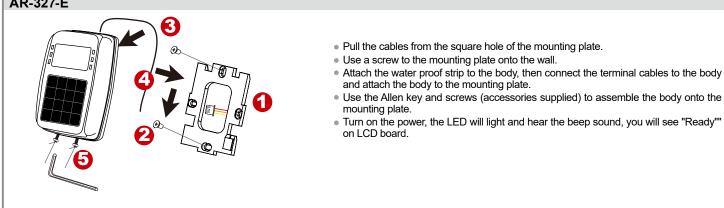


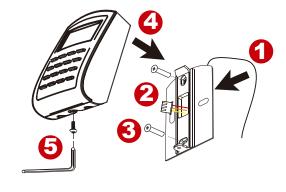
AR-327-E / 727-E



Installation AR-327-E



AR-727-E



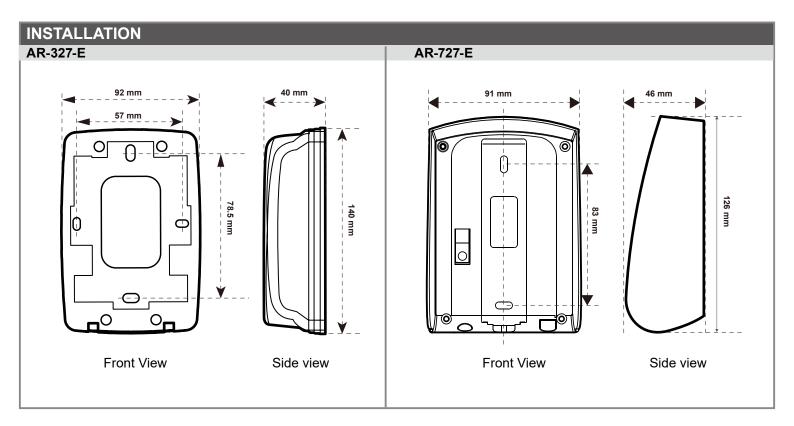
- Attach the water proof strip to the mounting plate.
- Pull the cables from the square hole of the mounting plate.
- Use a screwdriver to screw the base onto the wall.
- Connect the terminal cables to the body and attach the body to the mounting plate. • Assemble the covers with the Allen key and screws (accessories supplied).
- Turn on the power, the LED will light and hear the beep sound, you will see "Ready"" on LCD board.

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.



Connector Table

Cable: P1 CN4

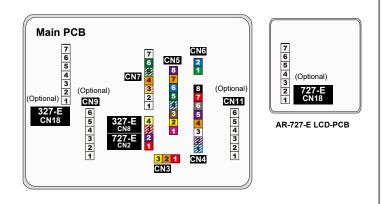
<u> </u>					
Wire Application	Wire	Color	Description		
Lock Relay	1	Blue White	(N.O.)DC24V1Amp		
	2	Purple White	(N.C.)DC24V1Amp		
Lock Relay COM	3	White	(COM)DC24V1Amp		
Door Contact	4	Orange	Negative Trigger Input		
Exit Switch	5	Purple	Negative Trigger Input		
Alarm Relay	6	Gray	N.O./N.C. Optional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

Cable: P2 CN5

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

Cable: P3 CN7 (AR-327-E By order)

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



Cable: 24 CN6

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

Cable: 25 CN3

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

Cable: P6 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



AR-327-E / 727-E

Optional Cables

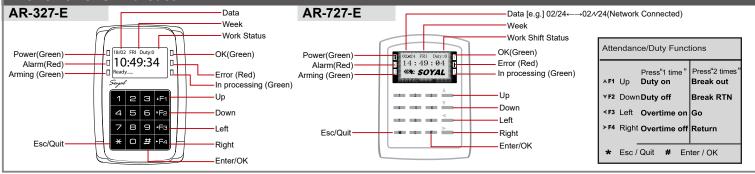
Cable: P7 CN1'	(Optio	onal:Lift Cor	ntrol w/ AR-725L485; SW:RS485-2)
P9 CN9	(Optio	onal:Voice N	/lodule; SW:RS485-3)
Wire Application	Wire	Color	Description
		D 1 1	

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

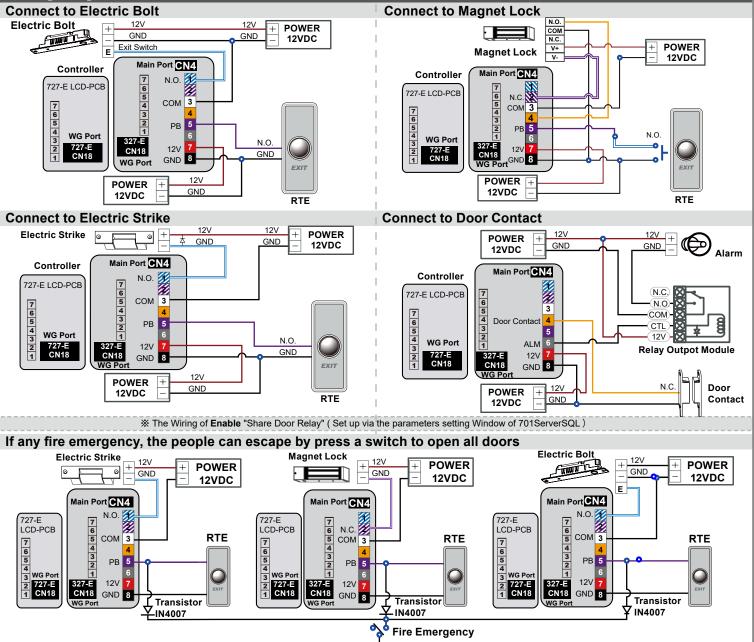
Cable: 28 AR-327-E: CN10 / AR-727-E: CN18

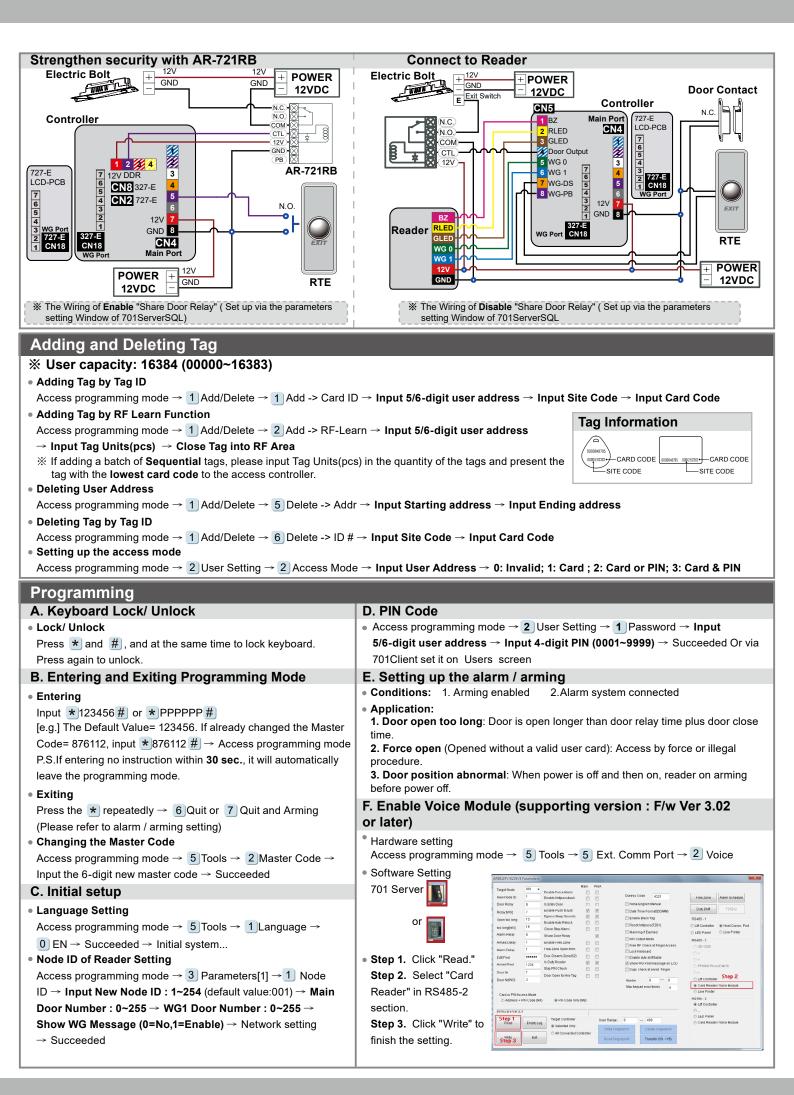
Wire Application	Wire	Color	Description
HID ProxII RF	1	Orange	ANT 1
Module	2	Purple	ANT 2
	3	Black	DC 0V
	4	Red	DC 5V
	5	Blue	Wiegand DAT: 1 Input
	6	Green	Wiegand DAT: 0 Input
	7	White	

Front Panel & Indicator



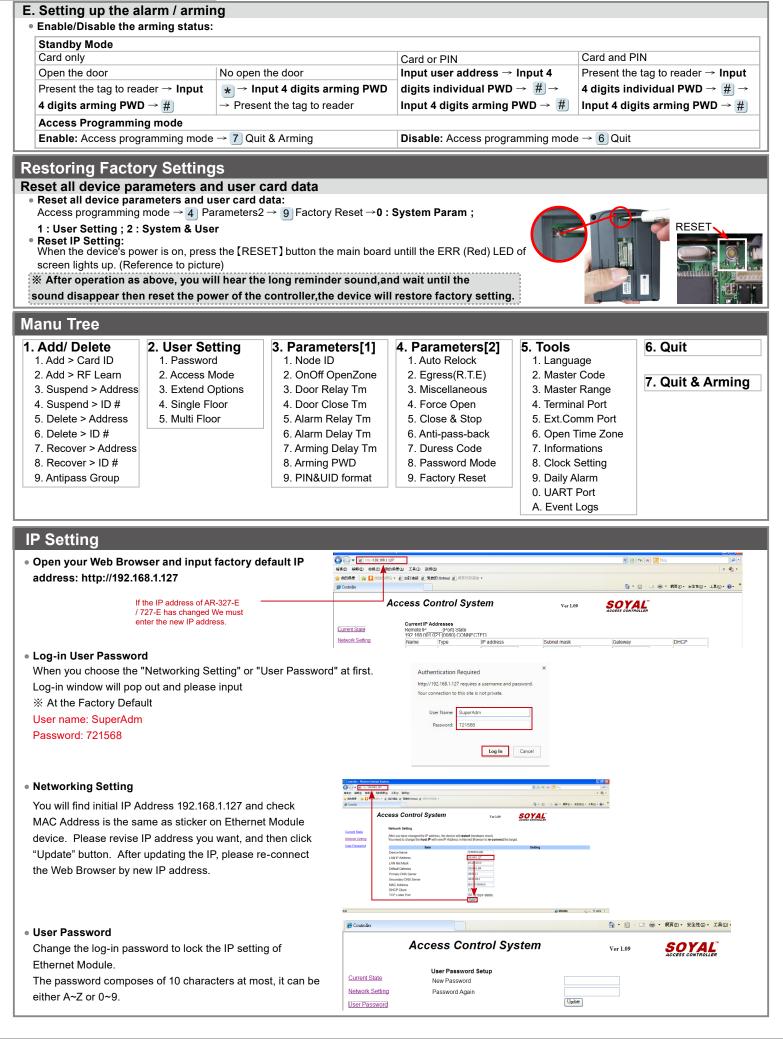
Wiring Diagram







AR-327-E / 727-E



V210823

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Warnings :

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.?

-- Increase the separation between the equipment and receiver.??

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.?

-- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.