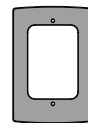
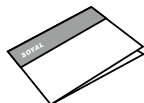


Contents

AR-888 Series

- 1 Product (US / EU)
- 2 User Guide
- 3 Terminal Cables
- 4 Tools
- 5 EVA foam gasket (US/ EU)



FCC Statement (part15.21,15.105)

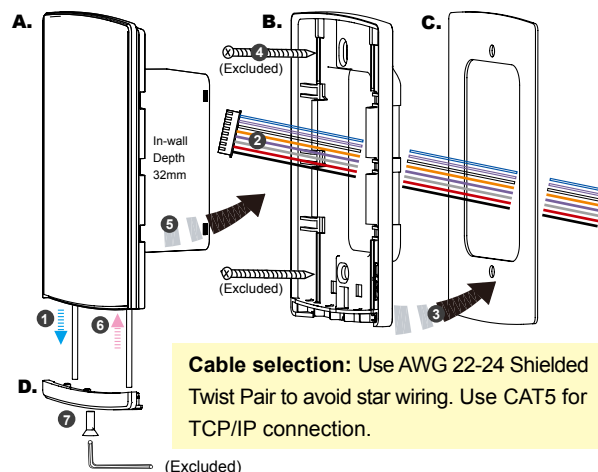
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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:

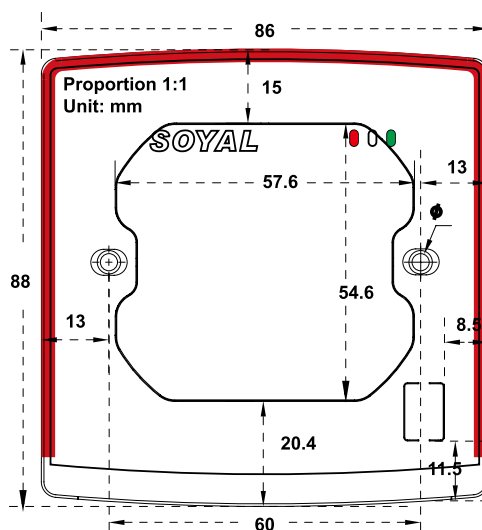
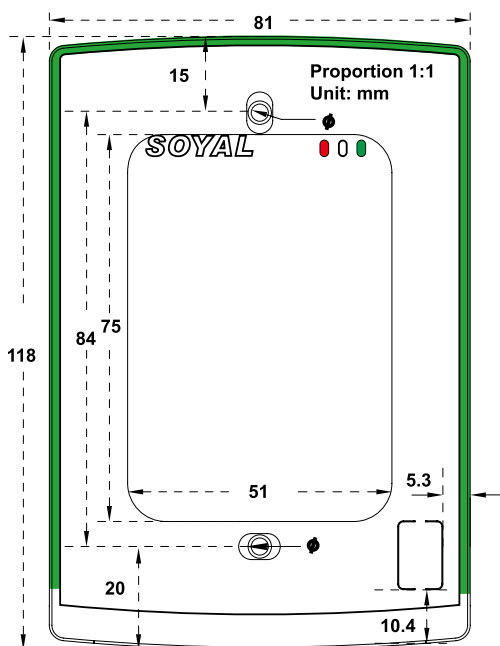
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Installation

- Take off two Iron bars from the of bottom body **A** and and mounting plate **B**. Pull the cables from the square holes of the eva foam gasket and mounting plate.
- Use a screwdriver to screw the eva foam gasket **C** and mounting plate **B** onto the wall with Flat Head Cap Philips Tapping Screws (Excluded, the Installer should prepare before installation. **The screws shall not be screwed too tight, or it could lead to the deformation of the mounting plate.**
- Connect the cables to the backside of body **A** and attach **A** to **B**. To fix **A** on **B** by inserting two Iron bars from the bottom of **A + B**.
- Attach the Back Cover **D** to **A**. Use the Allen key and screws to assemble the Back Cover onto the body.
- **Hands-off and clear any objects around the 888 (H/K).** Turn on the power and LED will light-up and beep will sound. Wait the Touch IC start for 10 sec. to operate.



Cable selection: Use AWG 22-24 Shielded Twist Pair to avoid star wiring. Use CAT5 for TCP/IP connection.



Indicators:		
AR-888 (H/K/U)	1*Bi-Color	Green-Red
		Green (Optional)
	3*One Color LED	White (Stand-By)
		Red (Optional)
AR-PBI-888	1*Bi-Color	Green-Red (Exchangeable)

- US Mounting Hole: 73x48x40mm(HxWxD) / Screw hole pitch : 84mm
Suitable for 70X118 1-module flush-mounting box. (Australian, Italy, USA(501E) Standard)
- EU Mounting Hole: 57x53x40mm(HxWxD) / Screw hole pitch: 60mm
Suitable for 86X86 flush-mounting box. (UK, Continental Europe, Germany Standard)

Steps of Ferrite Core Installation

Power DC Input cable

1. Open up the Ferrite Core box
2. To wind the DC in Cable around the Ferrite Core two times
3. The close up the Ferrite Core



Basic Commands

Enter program mode

* 123456 #

Change program code

Input 6-digit PWD twice

09 * 654321654321 #

Add Card User

(Please list down each User Address and its Card ID)

User Range: 00000~03000

M4/M8 Mode

19 * 00001 * 00001 #

M6 Mode (Must set up 17*0000#)

22 * 1 #

Ex.: 00001 start user address at 00001 and scanned 50 pcs of card one by one; next time, input 19*00051*00001#

Attach/Present Card One by One

Add PIN User

PIN=0000 (Disable)

M4/M8 Mode (4/8 beeps while entering program mode)

12 * 00001 * 1234 #

M6 Mode (6 beeps)

15 * 1234 #

Add Card+PIN User

PIN=0000 (Disable)

M4/M8 Mode

13 * 00001 * 4321 #

M6 Mode

17 * 4321 #

Set up Door Relay Time

TTT: 001~600=1~600 sec.
601~609=0.1~0.9sec.
000=On/ Off (Latch)

02 * 007 #

Set up Door Close Time

TTT: 001~600=1~600 sec.

18 * 015 #

Exit program mode

* #

Delete Card User

User Range: 00000~03000

M4/M8 Mode

10 * 00001 9 00005 #

M6 Mode

10 * 00001 * 00005 #

Ex.: 00001 start user address at 00001 00005 end user address at 00001 Totally 5 user cards will be disabled.

Delete All User Cards

29 * 29 * #

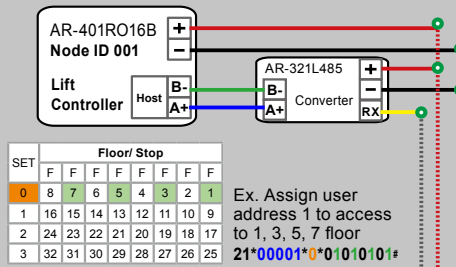
Reset to Factory Default Value

(Delete all cards and parameters)

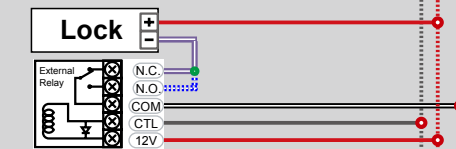
29 * 20 * #

Wiring Diagrams

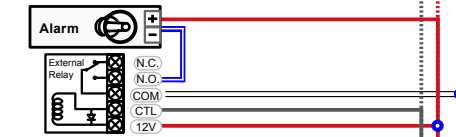
Alarm Output 3-Lift Control Wiring



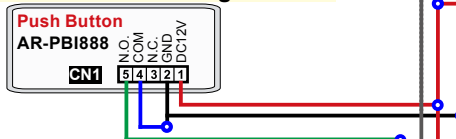
Alarm Output 2- WG Dual Door Control Wiring



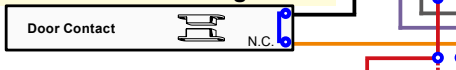
Alarm Output 1- Alarm Wiring



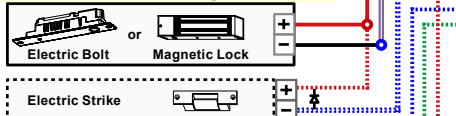
Exit Button Wiring



Door Sensor Wiring



Door Lock Wiring



WG Reader Wiring

AR-888 (K/U)		
125kHz WG/ABA/RS232 Format (Change by shorted on PCB)		
Format	WG	RST/Bits
WG 26	Open	Open
WG 34	Open	Short
RS-232	Short	Open
ABA-8	Short	Short
ABA-10	Short	Open

AR-888 (K/U)			
13.56MHz WG/ABA Format (Change by wires connection)			
Format	SET 1	SET 2	Note
WG 26	Open	Open	HEX
WG 34	Open	To GND	HEX
ABA-10	To GND	Open	BCD10
ABA-5-5	To GND	To GND	BCD

Set up Node ID

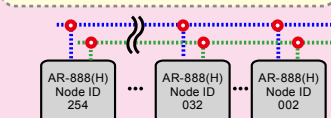
Ex. Node 32 connected to PC
00 * 032 * 032 * 032 #

00 * 009 #

032=Node ID of Access Controller
032=Virtual 716E Node ID
032=Door number
(All Range:001~254)
009=Node ID of Access Controller
Range: 001~254)

Networking Connection Wiring

Notice:
• At every 32 units or at every 300M connection to add a RS485 Booster.
• Suggest to connect up to 32 units for each CH of AR-727CM



Enable Life Control

24 * 002 # (Enable)
24 * 000 # (Disable)

Assign Users (Single Floor)

27 * UUUUU * FF #
UUUUU=User Address=00000~03000
FF=Floor number=1~32

Assign Floor User (Multi-Floor)

21 * UUUUU * S * FFFFFFFF #
S=Set=0~3
FFFFFFF=0 (Disable) / 1 (Enable)

Occupied Alarm Output to support

28 * 064 # (Enable)
28 * 128 # (Disable)

Enable Door Open Too Long Alarm

Enable Arming while exit program mode * * #

Stop Alarm by Push Button

24 * 064 # (Enable)
24 * 000 # (Disable)

