

CSS-M-R21

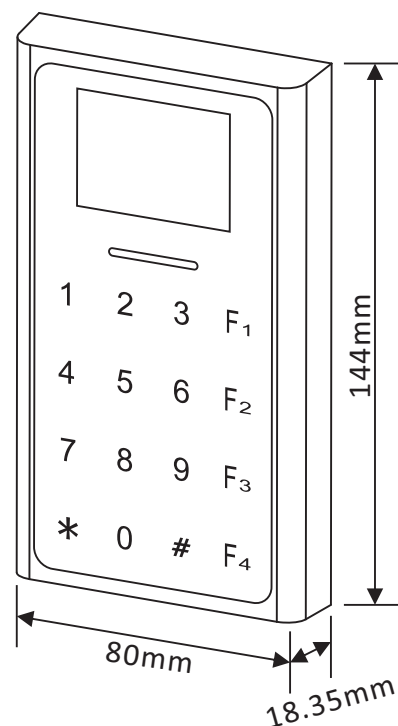
INSTALLATION GUIDE HW 1.1

A. Package Content

- Controller x 1, metal hanger x 1, accessory pack x 1, cable set x 1
- Accessory pack : screw x 4, screw anchors x 4, black screw x 3,
rubber pad x 2, diode (1N4004) x 1
- Cable : 2 pin x 1, 5 pin x 1, 6 pin x 1, 8 pin to RJ45 x 1

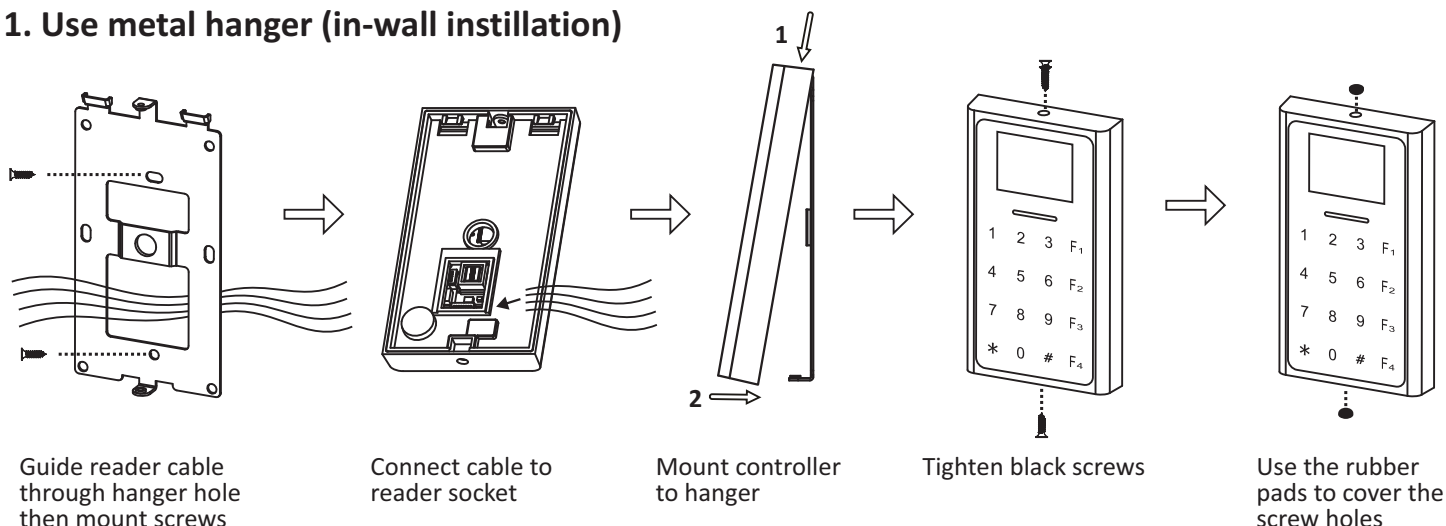
B. Specification

- Voltage range : DC 9~24V
- Power consumption : DC 12V (350mA)
- Wiegand range : Max 100M
- Relay : DC 30V~2A/ Type C
- LED : 3 colors
- Recommend
 - Shielded cable, Cat-5e
- Notice
 - Power dapter should be IEC/EN 62368-1 certified



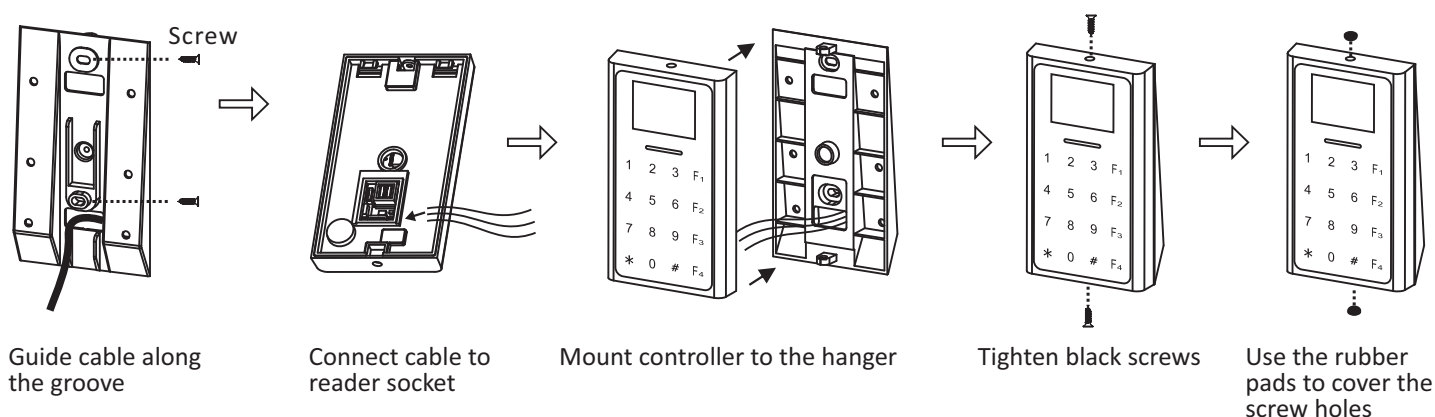
C. Installation

1. Use metal hanger (in-wall instillation)



2. ★ Optional

(Using the plastic slanted mout for surface installation)



D. Cable description

Cable	No.	Color	Function	Description
5PIN (J4)	1	YELLOW/ BLACK	RS-485+	
	2	BLUE/ BLACK	RS-485-	
	3	ORANGE	FIRE	FIRE ALARM IN
	4	GREEN/ WHITE	WG IN D0	WIEGAND IN
	5	VIOLET/ WHITE	WG IN D1	

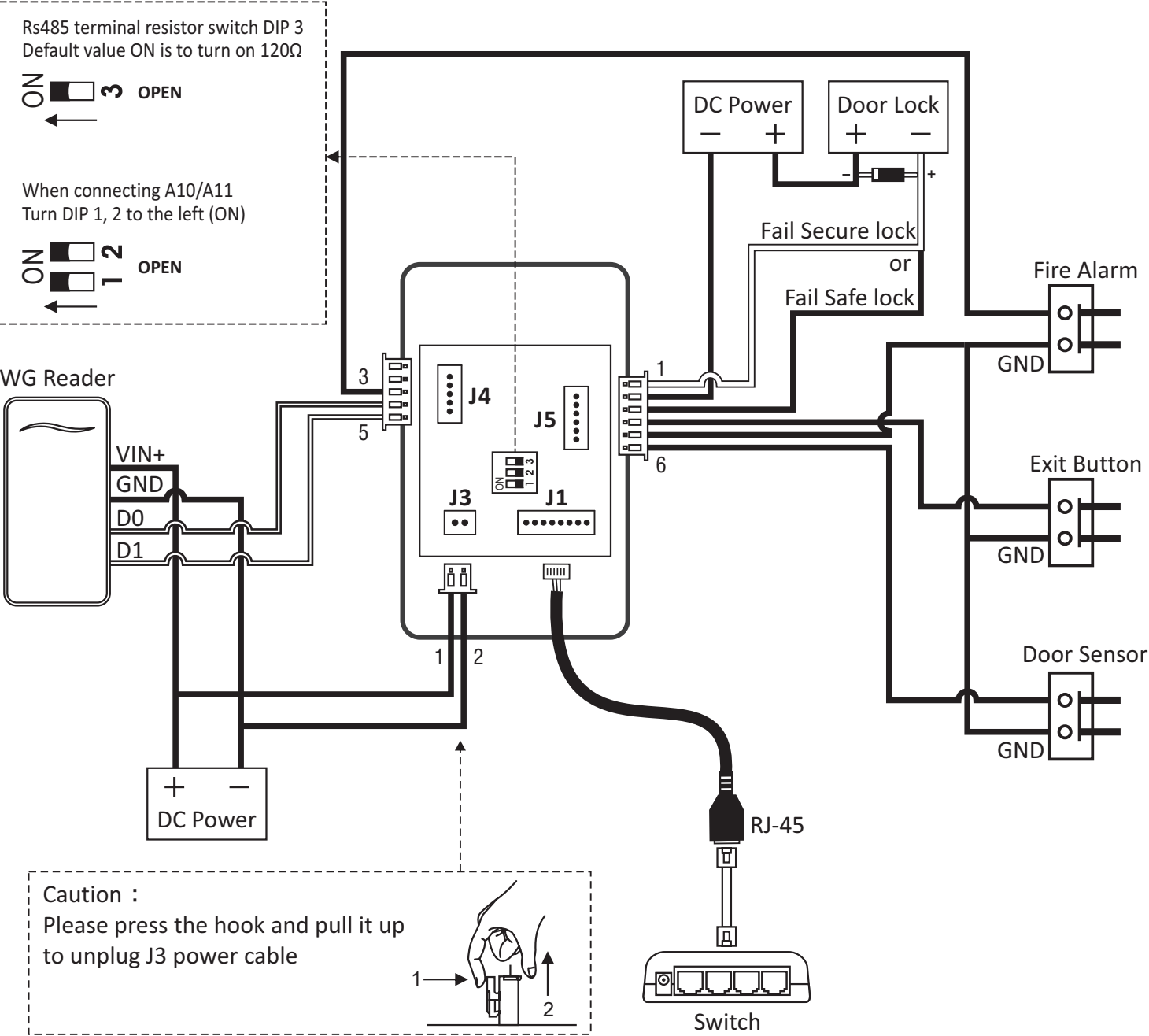
Cable	No.	Color	Function	Description
2PIN (J3)	1	RED	DC VIN +	DC 9~24V (12V/ 350mA)
	2	BLACK	DC VIN -	

Cable	No.	Color	Function	Description
6PIN (J5)	1	WHITE	NO	DOOR LOCK
	2	GREEN	COM	
	3	YELLOW	NC	
	4	VIOLET	EXIT	EXIT BUTTON
	5	ORANGE	GND	GND
	6	BLUE	SENSOR	DOOR SENSOR

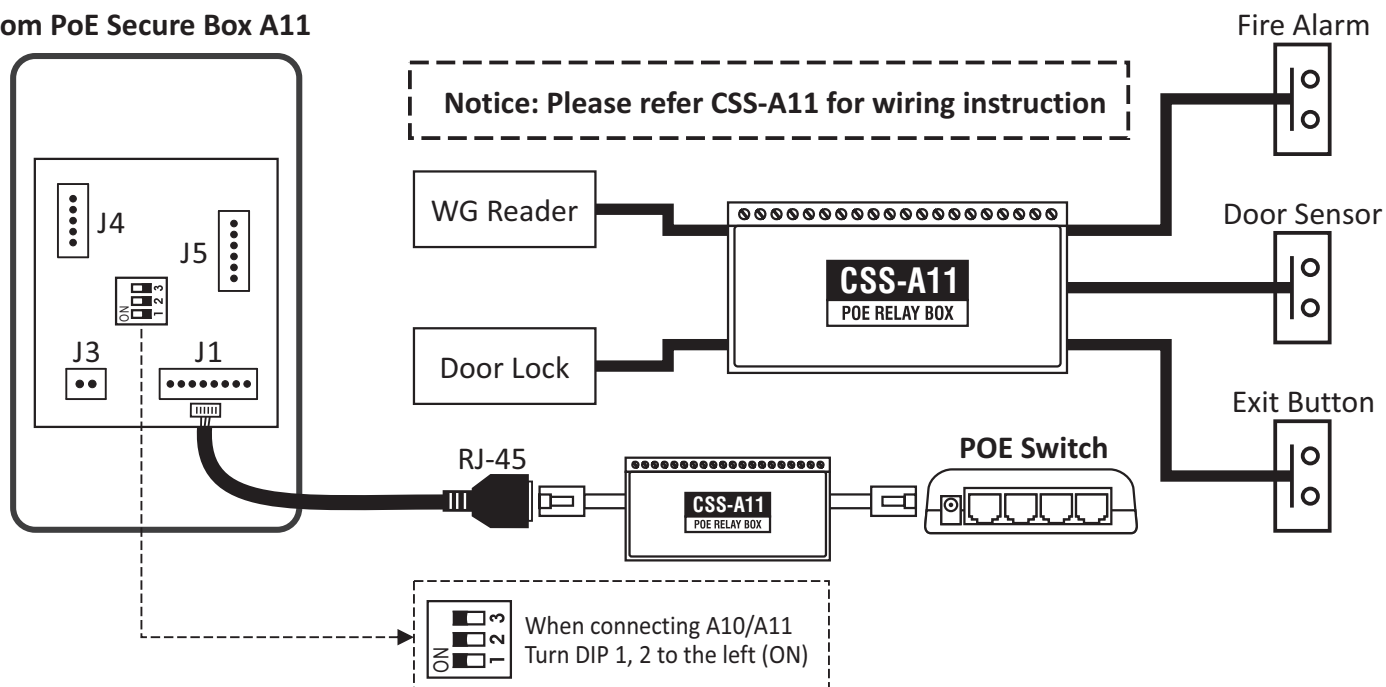
Cable	No.	Color	Function	LAN Cable	Description
8PIN (J1)	1	BROWN	TX +	ORANGE/ WHITE	Ethernet
	2	ORANGE	TX −	ORANGE	
	3	WHITE	RX +	GREEN/ WHITE	
	4	BLUE	RX −	GREEN	
	5	GREEN	N/A		
	6	YELLOW			
	7	BLACK			
	8	RED			

E. Power Source Structure

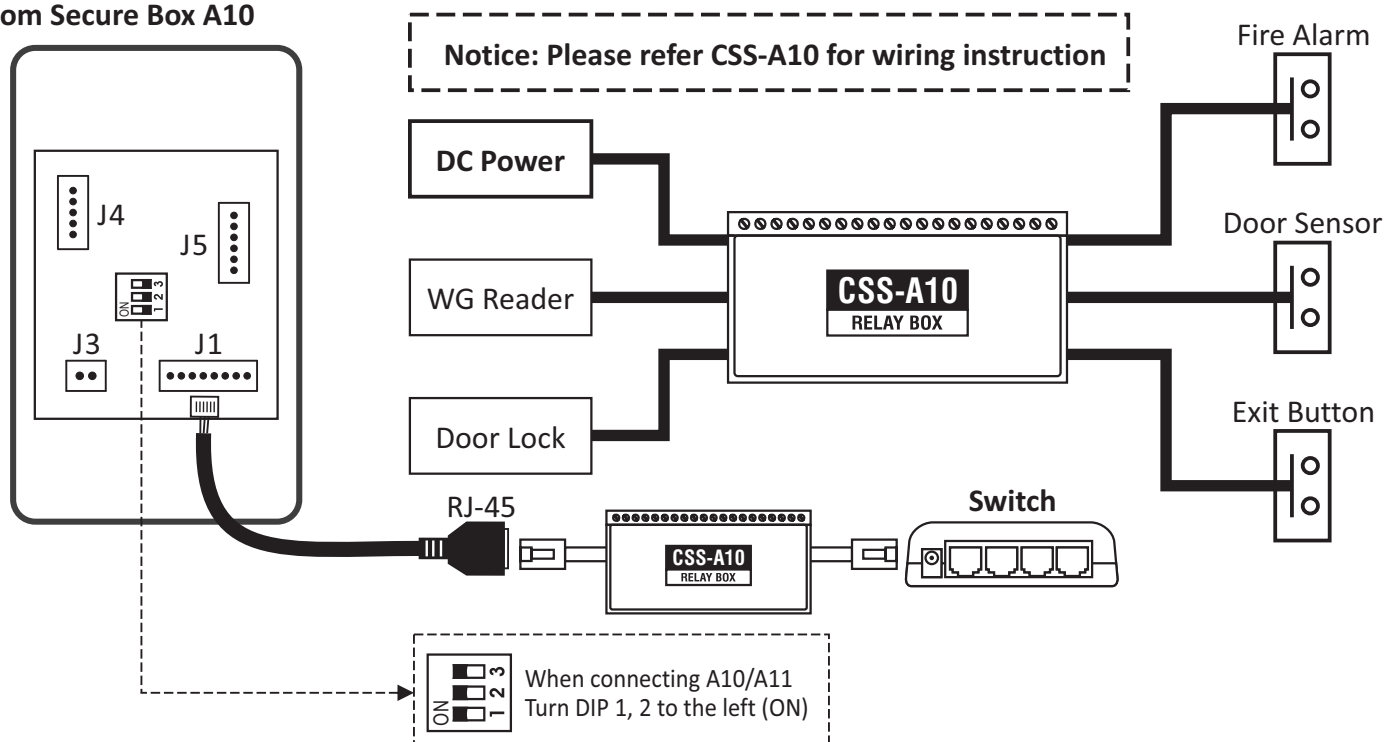
1. From DC Power Supply/ Power Adapter



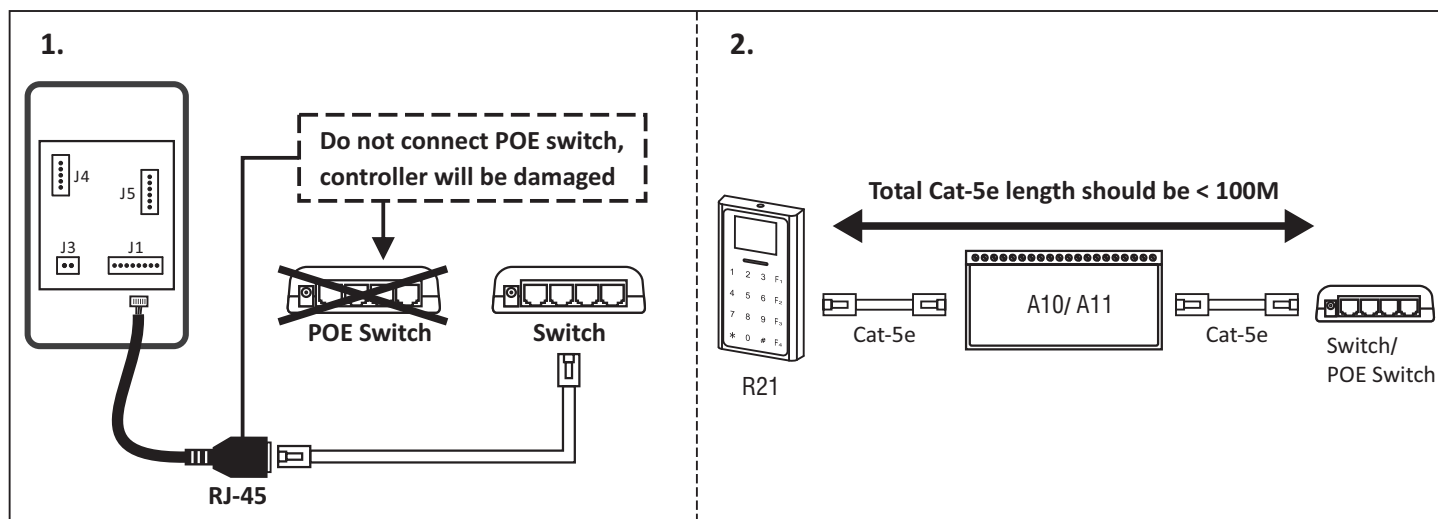
2. From PoE Secure Box A11



3. From Secure Box A10



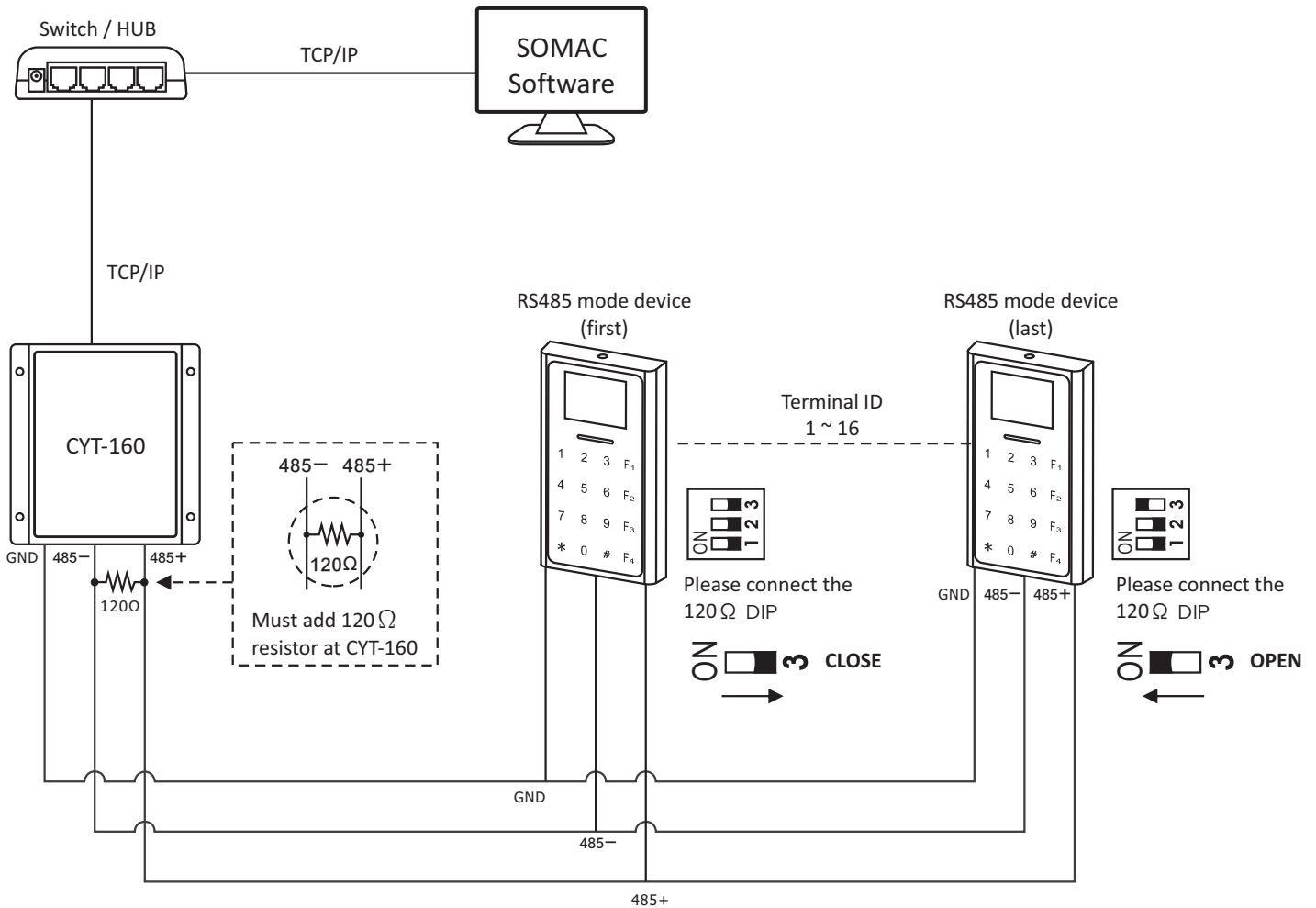
F. Notice



G. RS485 Structure Diagram

★ LCD menu of R21 device

Select RS485 interface>Set RS485 Address (1-16) (not repeatable)>Select [19200] Baudare rate>Set R21 terminal Number (TID) (not repeatable)



FCC Statement

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

RF Exposure Information

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.