Connecting Instruction
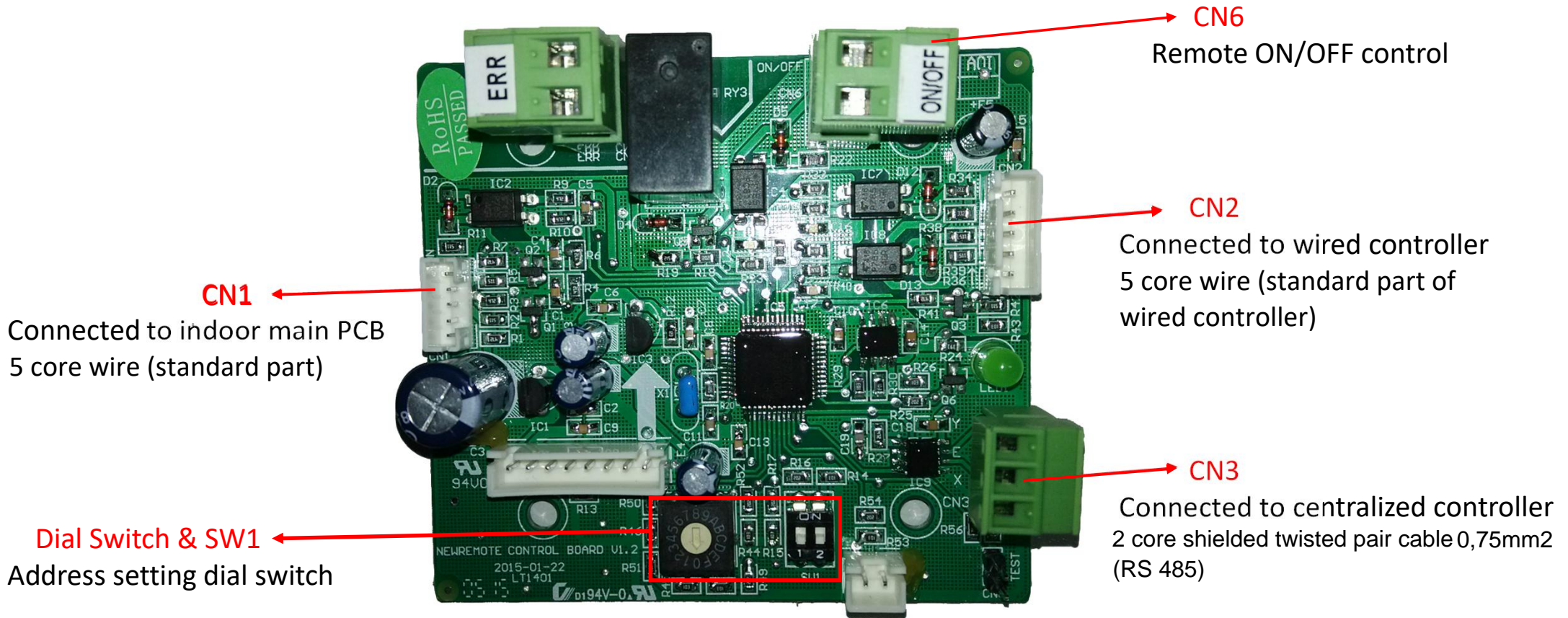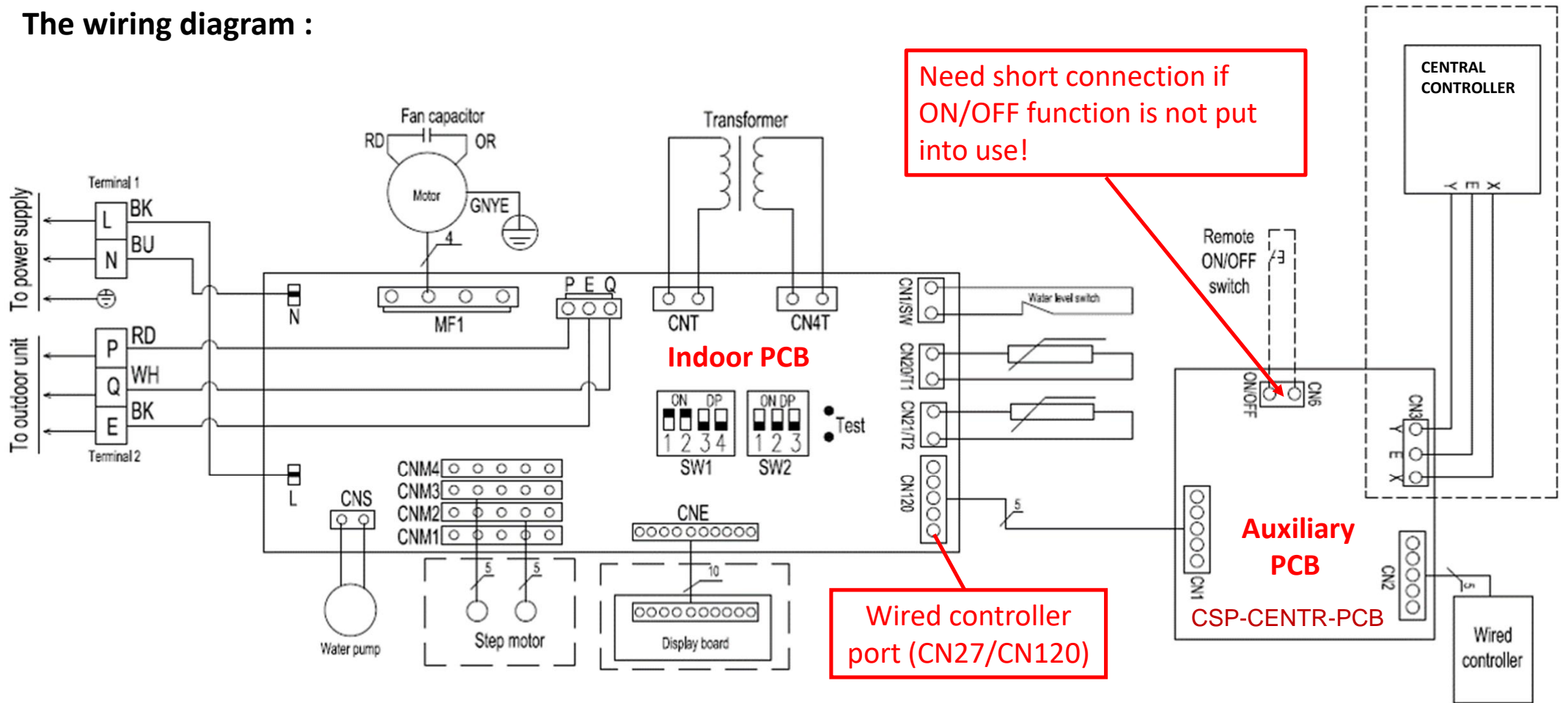
To realize remote control and centralized control function of "C"series light commercial models

To add remote and centralized control function, we developed an auxiliary PCB, as shown below:

(for the indoor units with 5 pin wired controller)

CSP-CENTR-PCB

CN6
Remote ON/OFF control

CN2
Connected to wired controller
5 core wire (standard part of wired controller)

CN1
Connected to indoor main PCB
5 core wire (standard part)

CN3
Connected to centralized controller
2 core shielded twisted pair cable 0,75mm2
(RS 485)

Dial Switch & SW1
Address setting dial switch

The wiring diagram :

Need short connection if ON/OFF function is not put into use!

Indoor PCB

Auxiliary PCB

CSP-CENTR-PCB

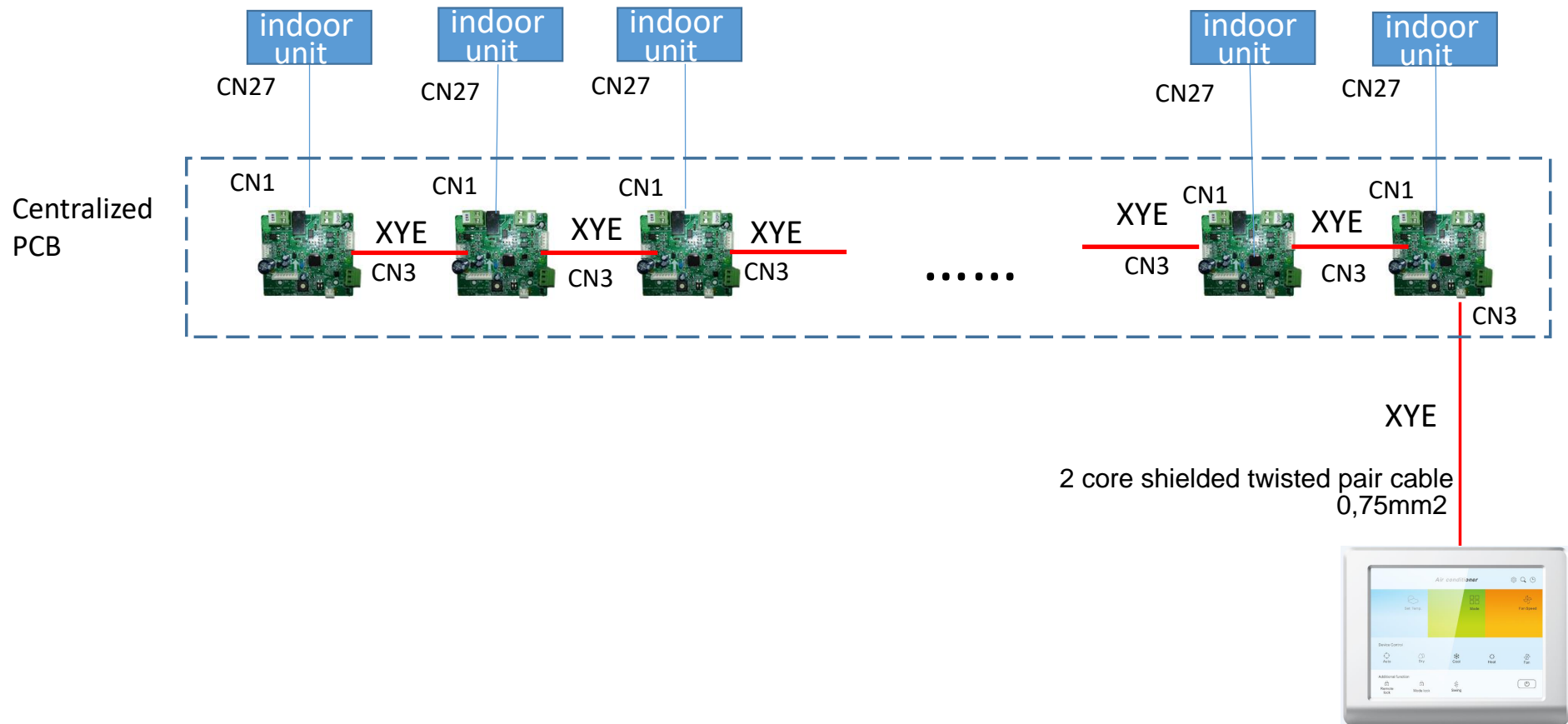Wired controller port (CN27/CN120)

XYE port is used to connect to Modbus, simple centralized controller, Smart box.

Connect with centralized controller

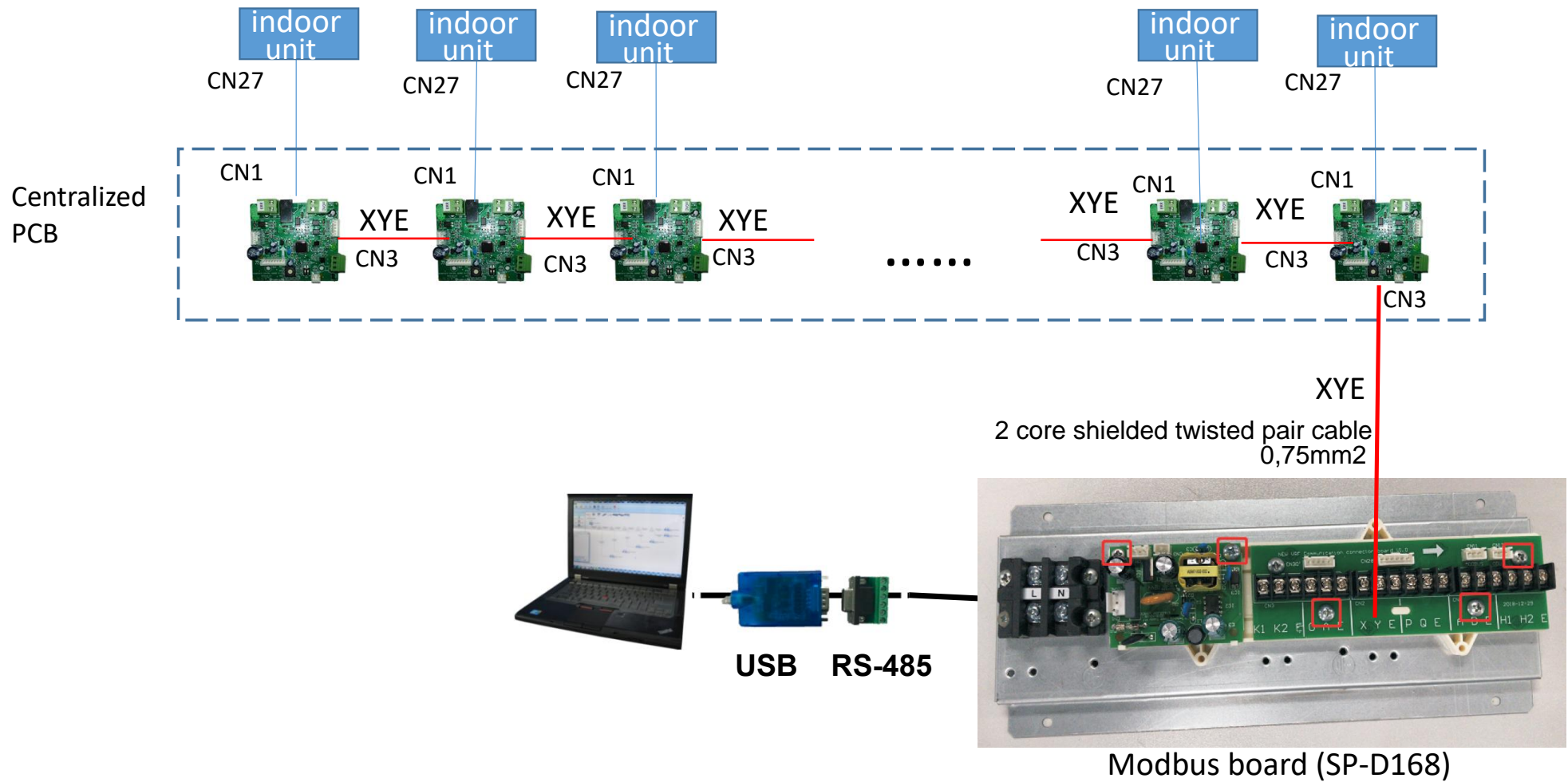All indoor units addresses should be different.
The max. quantity of indoor units is 64.

2 core shielded twisted pair cable 0,75mm2

Connect with modbus board

All indoor units addresses should be different.
The max. quantity of indoor units is 64.

Modbus board (SP-D168)

Connect with FVOIF....CE2 outdoor and VRF system

All indoor units addresses should be different.
The max. quantity of indoor units is 64.

FSKUIF-...CE3
FSKIF-...CE3

FSLUIF-...CE3
FSLIF-...CE3

FVOIF-...CE2
outdoor unit of

FVLI-760CE2
FVLI-960CE2
FVHIF-360CE2
FVHIF-600CE2

VRF outdoor unit

indoor unit	indoor unit	indoor unit	indoor unit	indoor unit
CN27	CN27	CN27	CN27	CN27

CN1   CN1   CN1   CN1   CN1

CN3   CN3   CN3   CN3   CN3

XYE   XYE   XYE   XYE   XYE   XYE

XYE

VRF system

For connecting LCAC wall mounted unit (FSAI....)
shall be used ZSP-D186-01P auxiliary PCB board

IDU PCB

Wire control

CN6

CN2

Modbus controller

E: GND
Y: 485-
X: 485+

XYE

CN3

SW1   SW2

2 core shielded twisted pair cable
0,75mm2

XYE

Connection instruction:

Firstly use the wire, which used to connect the wired controller and indoor main PCB, to connect the auxiliary PCB and indoor main PCB by CN1 and CN120. The wired controller can be connected to the auxiliary PCB by CN2.

1. Remote ON/OFF control function

Realize remote control function, can be applied to hotel card etc.

This should be a switch without any voltage/current input to the PCB, or the PCB may be broken.
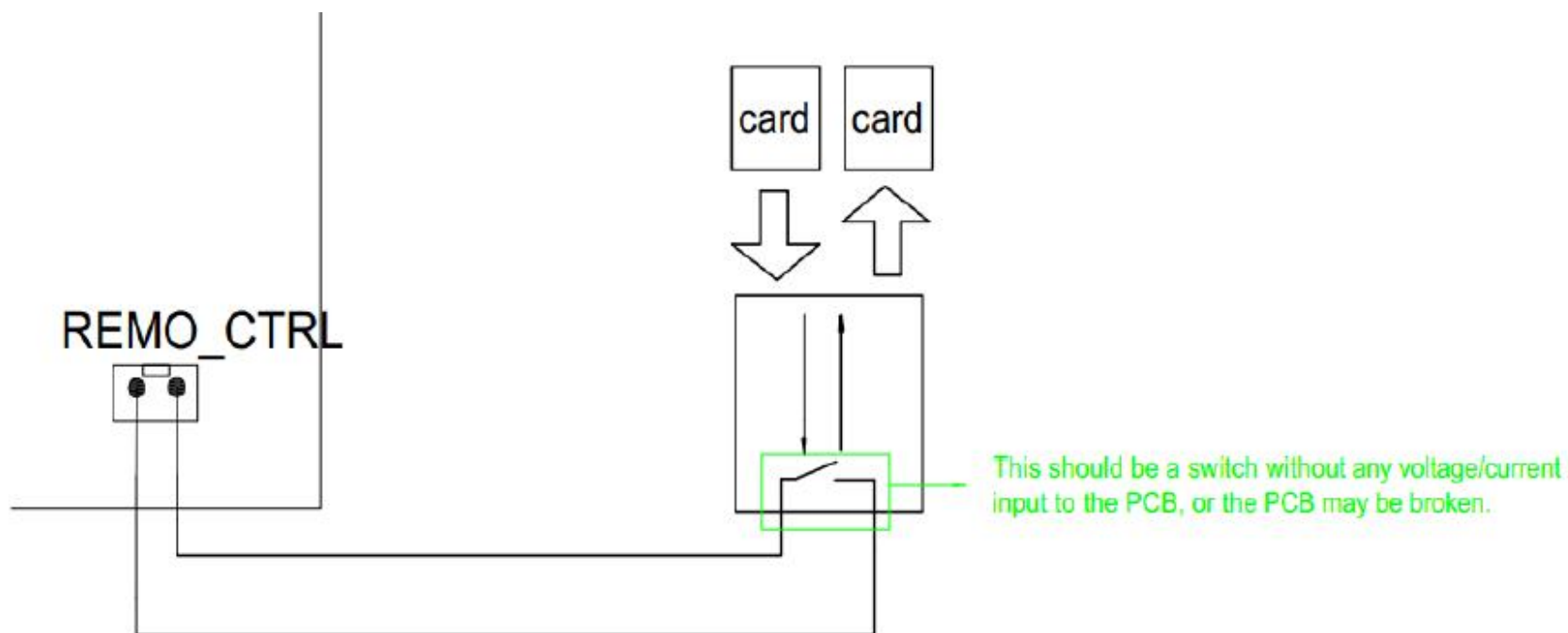
2. Centralized control function

Connect the centralized controller to CN3 of the auxiliary PCB, and set the indoor unit address manually by address setting dial switch. The setting rule is shown as below:

Address parameter	SW1	Dial Switch
0 ~ 15	1:OFF 2:OFF	Address = Dial code
16 ~ 31	1:OFF 2:ON	Address = 16 + Dial code
32 ~ 47	1:ON 2:OFF	Address = 32 + Dial code
48 ~ 63	1:ON 2:ON	Address = 48 + Dial code