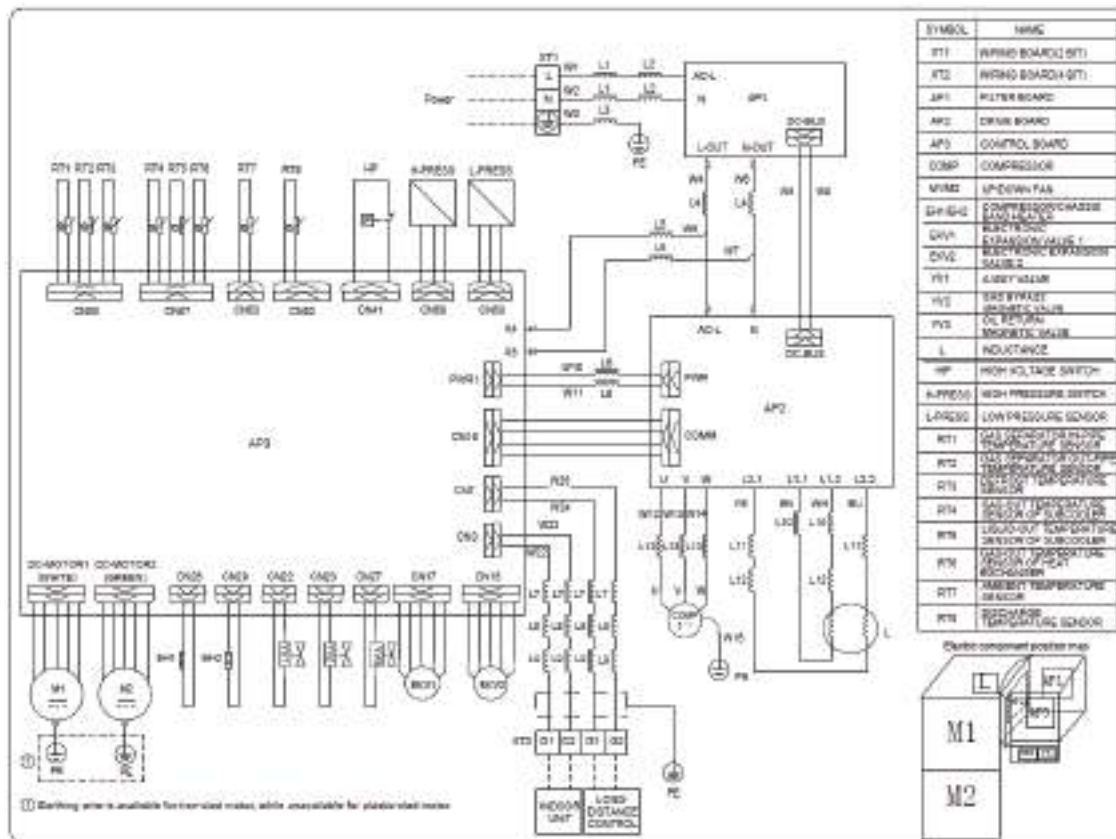


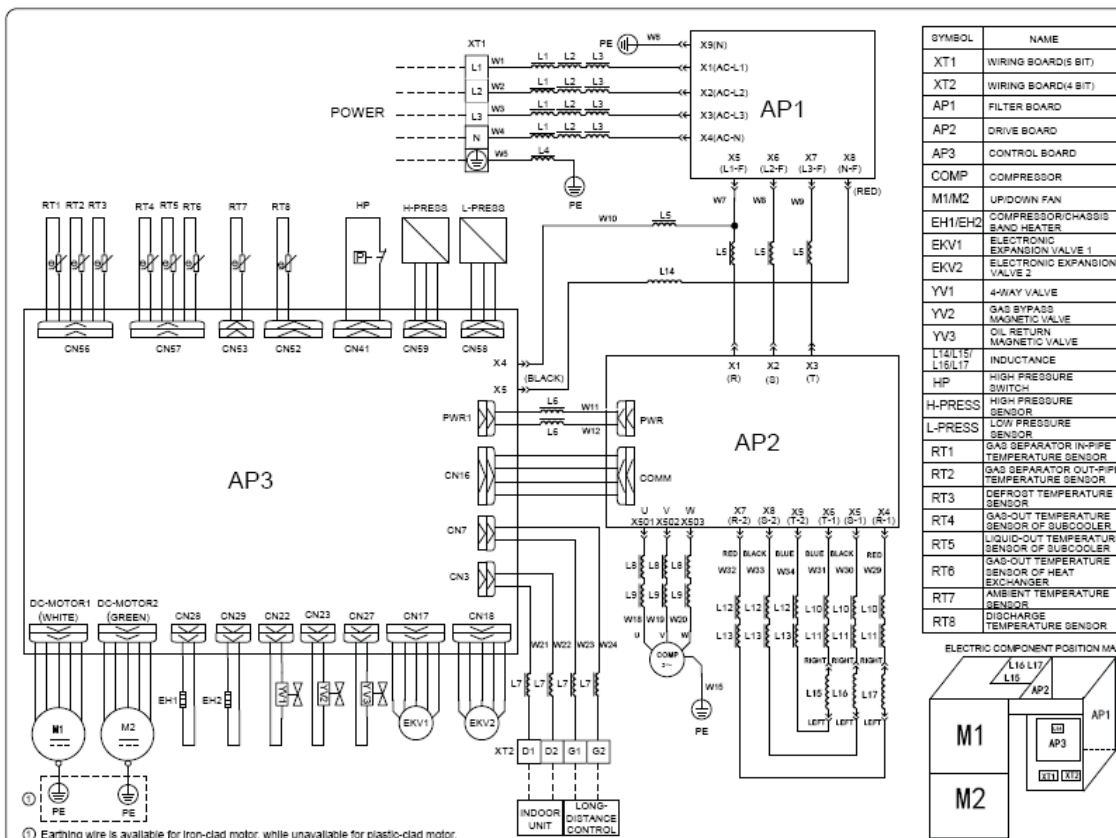
19. ЭЛЕКТРИЧЕСКИЕ СХЕМЫ БЛОКОВ

19.1. Наружные блоки

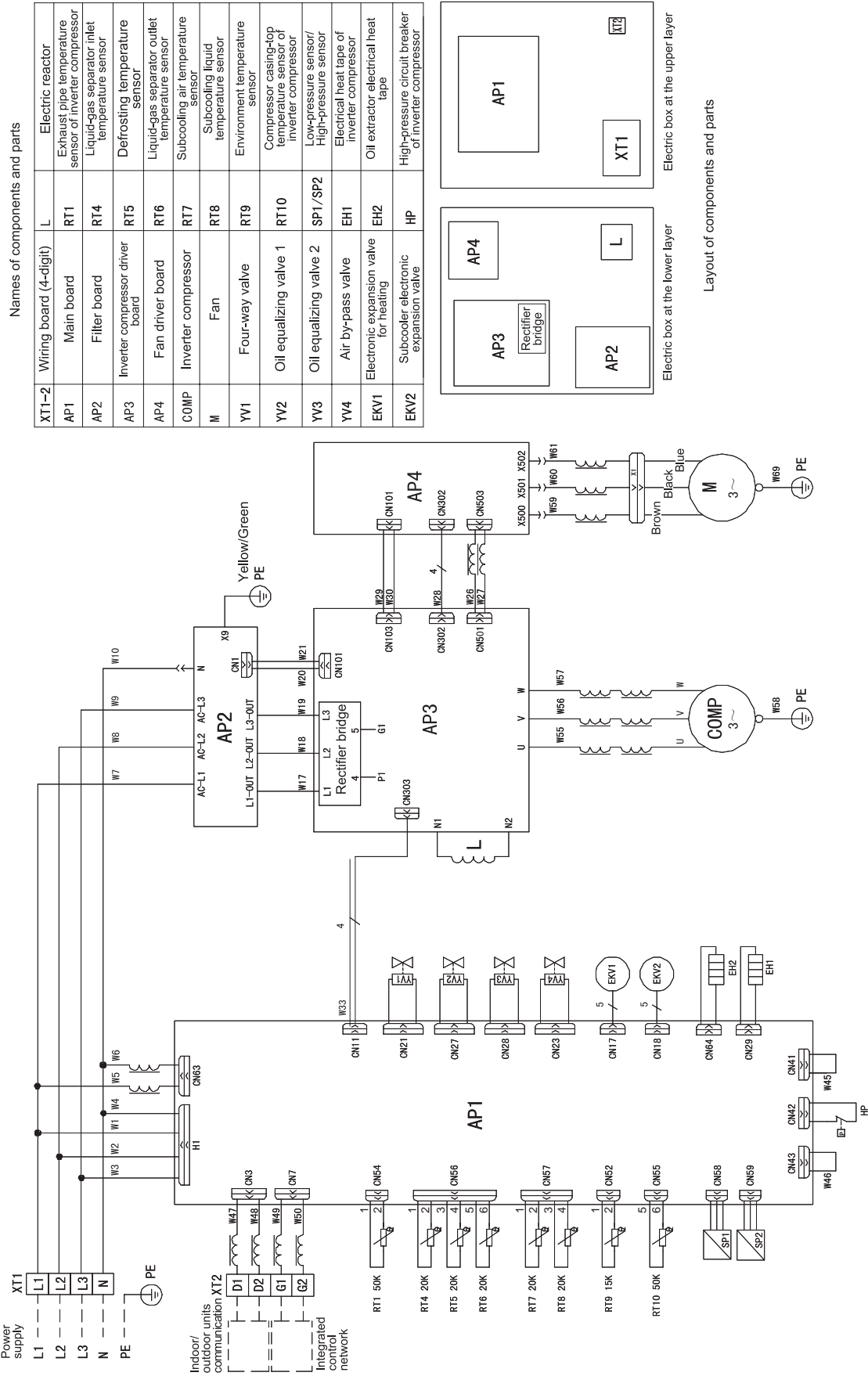
SMZ1U45V2AI, SMZ1U54V2AI, SMZ1U60V2AI



SMZ3U45V2AI, SMZ3U54V2AI, SMZ3U60V2AI



SMZU75V2AI, SMZU96V2AI



Power supply

XT1
L1
L2
L3
N
PE

Indoor/outdoor units communication
XT2
D1
D2
G1
G2
W47
W48
W49
W50
CN3
CN7

Integrated control network

RT1 50K

RT4 20K

RT5 20K

RT6 20K

RT7 20K

RT8 20K

RT9 15K

RT10 50K

SP1

SP2

EH1

EH2

HP

W1

W2

W3

W4

W5

W6

W7

W8

W9

W10

W11

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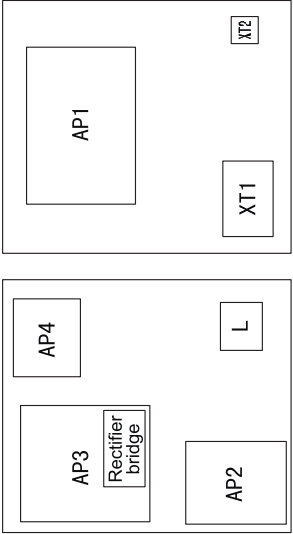
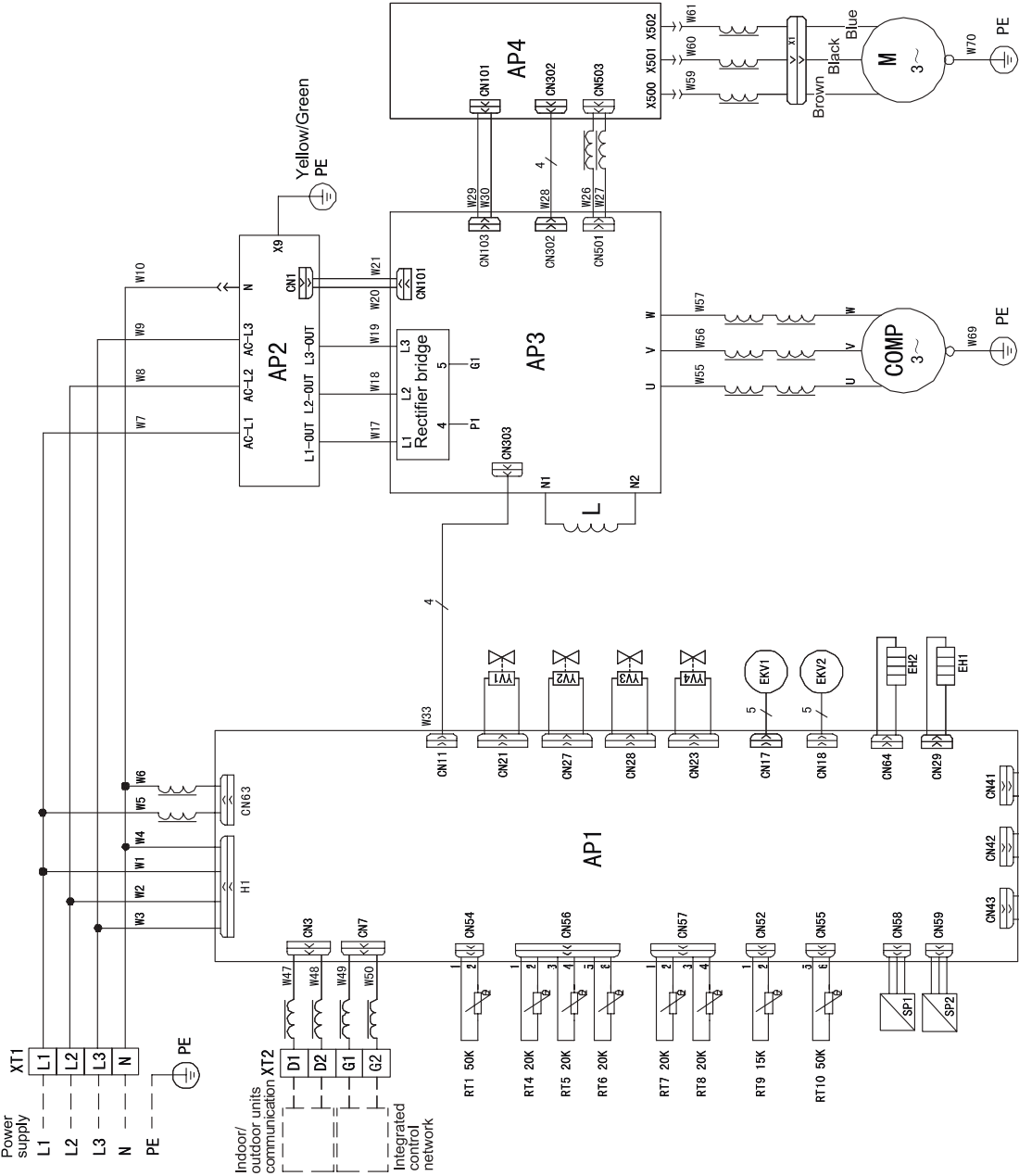
W295

W296

SMZU120V2AI

Names of components and parts

XT1-2	Wiring board (4-digit)	L	Electric reactor
AP1	Main board	RT1	Exhaust pipe temperature sensor of inverter compressor
AP2	Filter board	RT4	Liquid-gas separator inlet temperature sensor
AP3	Inverter compressor driver board	RT5	Defrosting temperature sensor
AP4	Fan driver board	RT6	Liquid-gas separator outlet temperature sensor
COMP	Inverter compressor	RT7	Subcooling air temperature sensor
M	Fan	RT8	Subcooling liquid temperature sensor
YV1	Four-way valve	RT9	Environment temperature sensor
YV2	Oil equalizing valve 1	RT10	Compressor casing-top temperature sensor of inverter compressor
YV3	Oil equalizing valve 2	SP1/SP2	Low-pressure sensor/High-pressure sensor
YV4	Air by-pass valve	EH1	Electrical heat tape of inverter compressor
EKV1	Electronic expansion valve for heating	EH2	Oil extractor electrical heat tape
EKV2	Subcooler electronic expansion valve	HP	High-pressure circuit breaker of inverter compressor

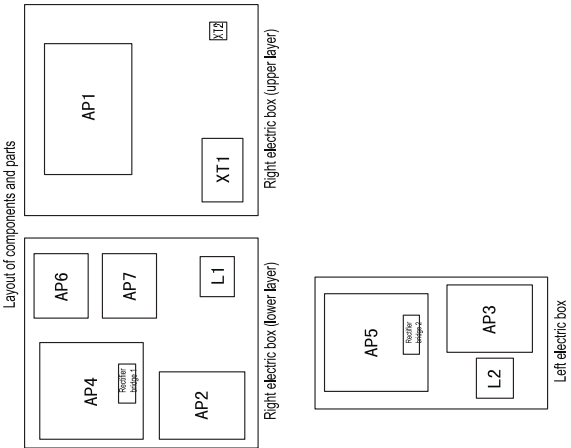
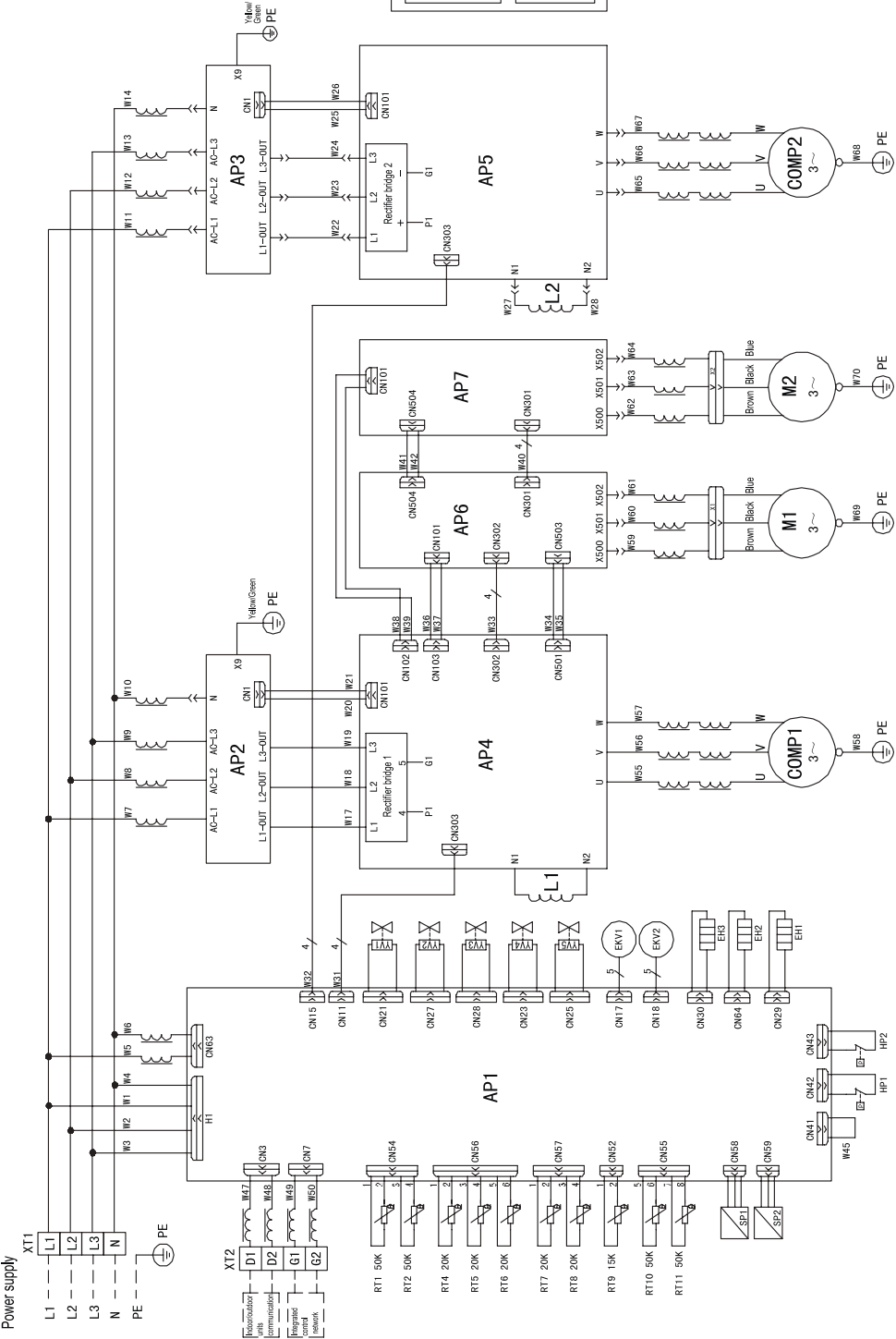


Electric box at the lower layer
Electric box at the upper layer
Layout of components and parts

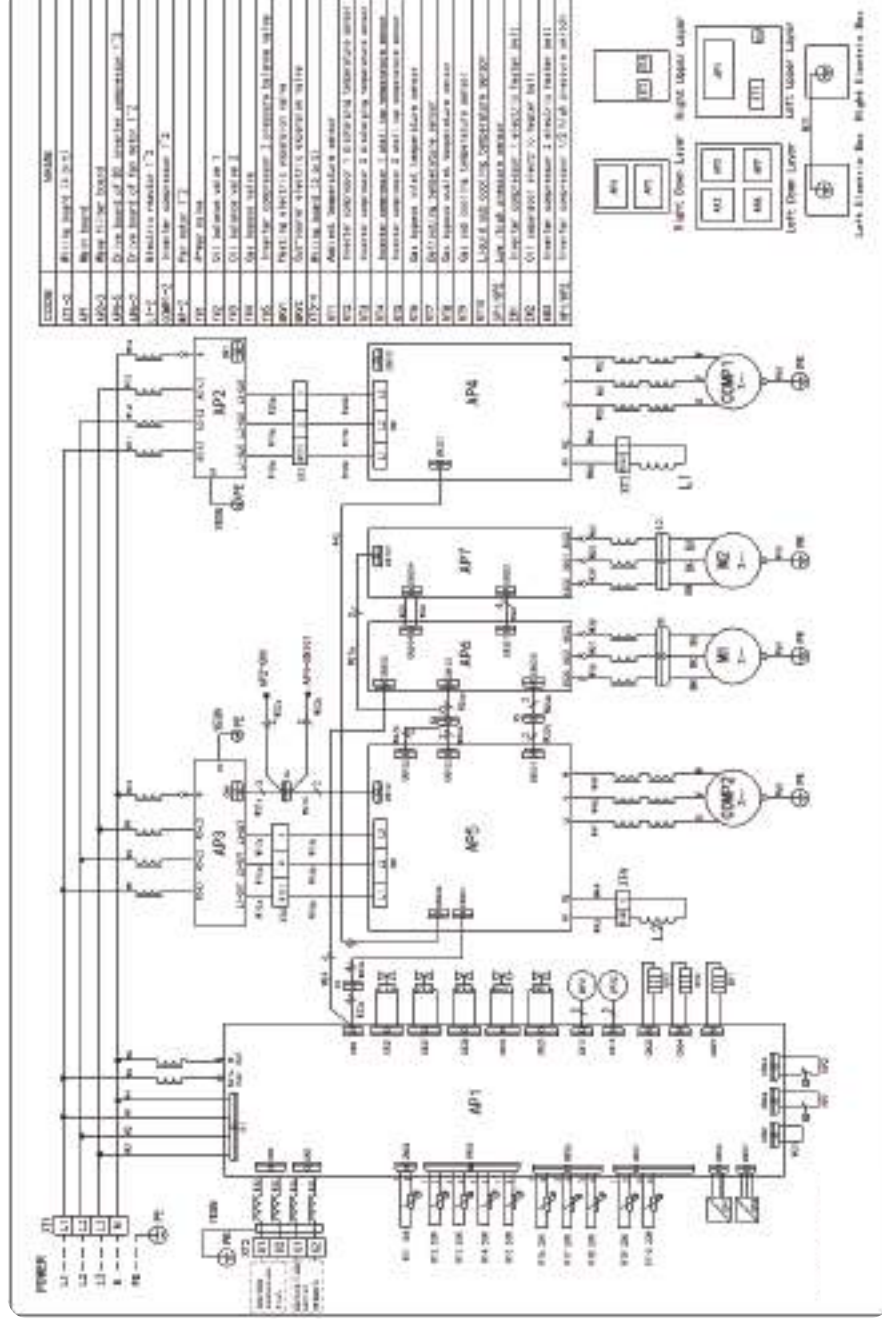
SMZU135V2AI, SMZU150V2AI

Names of components and parts

XT1-2	Wiring board (4-8pin)	RT1	Inverter compressor 1 Exhaust pipe temperature sensor
AP1	Main board	RT2	Inverter compressor 2 Exhaust pipe temperature sensor
AP2-3	Filter board	RT4	Liquid-gas separator 1/4E temperature sensor
AP4-5	Inverter compressor driver board	RT5	Defrosting temperature sensor
AP6-7	Fan driver board	RT6	Liquid-gas separator outlet temperature sensor
L1-2	Electric reactor	RT7	Subcooling air temperature sensor
COMP1-2	Inverter compressor 1-2	RT8	Subcooling liquid temperature sensor
MI-2	Fan 1-2	RT9	Environment temperature sensor
YV1	Four way valve	RT10	Inverter compressor 1
YV2	Oil equalizing valve 1	RT11	Inverter compressor 2
YV3	Oil equalizing valve 2	SP1/SP2	Low-pressure sensor/ High-pressure sensor
YV4	Air by-pass valve	EH1	Inverter compressor 1 Electrical heat tape
YV5	Inverter compressor 2	EH2	Oil extractor electrical heat tape
EKV1	Electronic expansion valve for heating	EH3	Inverter compressor 2 Electrical heat tape
EKV2	Subcooler electronic expansion valve	HP1/HP2	Inverter compressor 1,2 High pressure circuit breaker

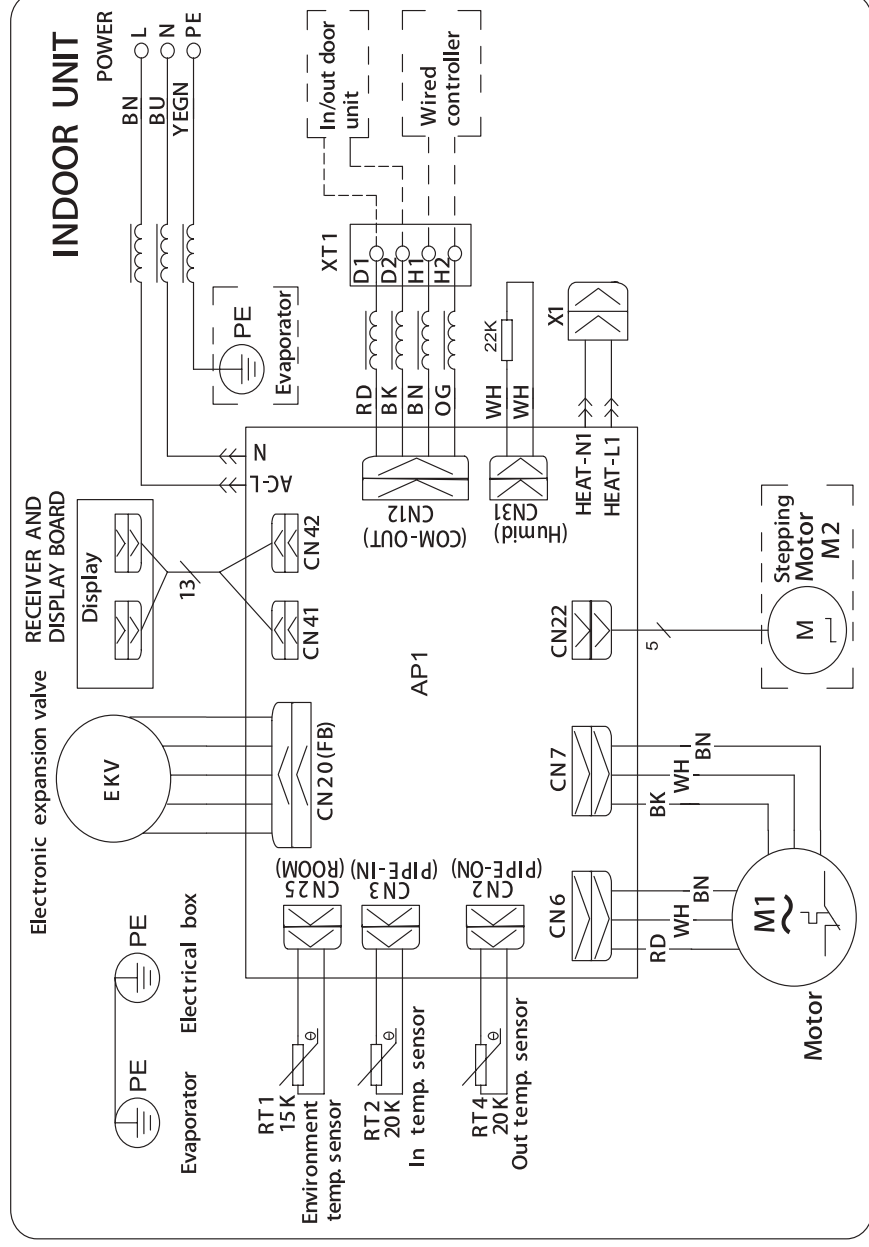


SMZU175V2AI, SMZU190V2AI, SMZU215V2AI



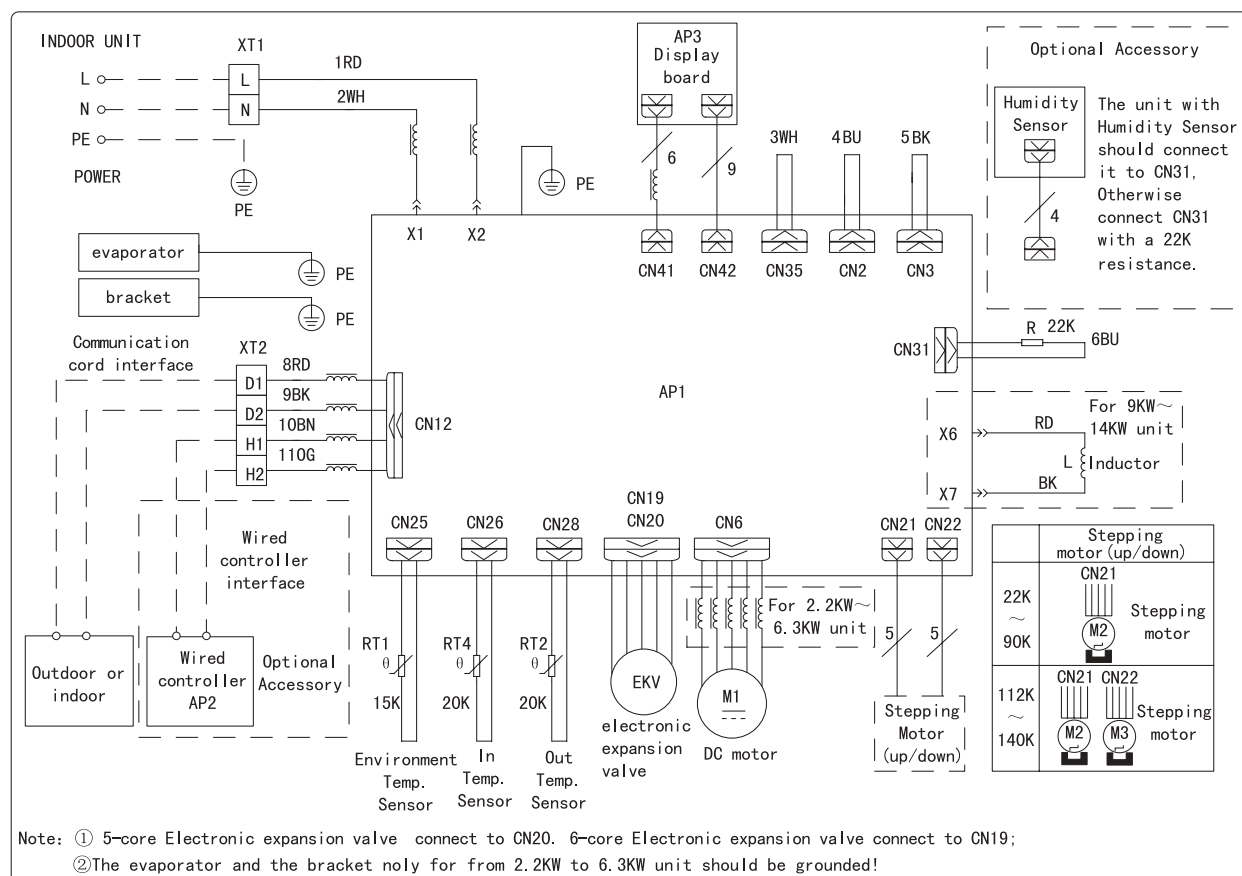
19.2. Внутренние блоки настенного типа

SMZS07V2AI ~ SMZS24V2AI



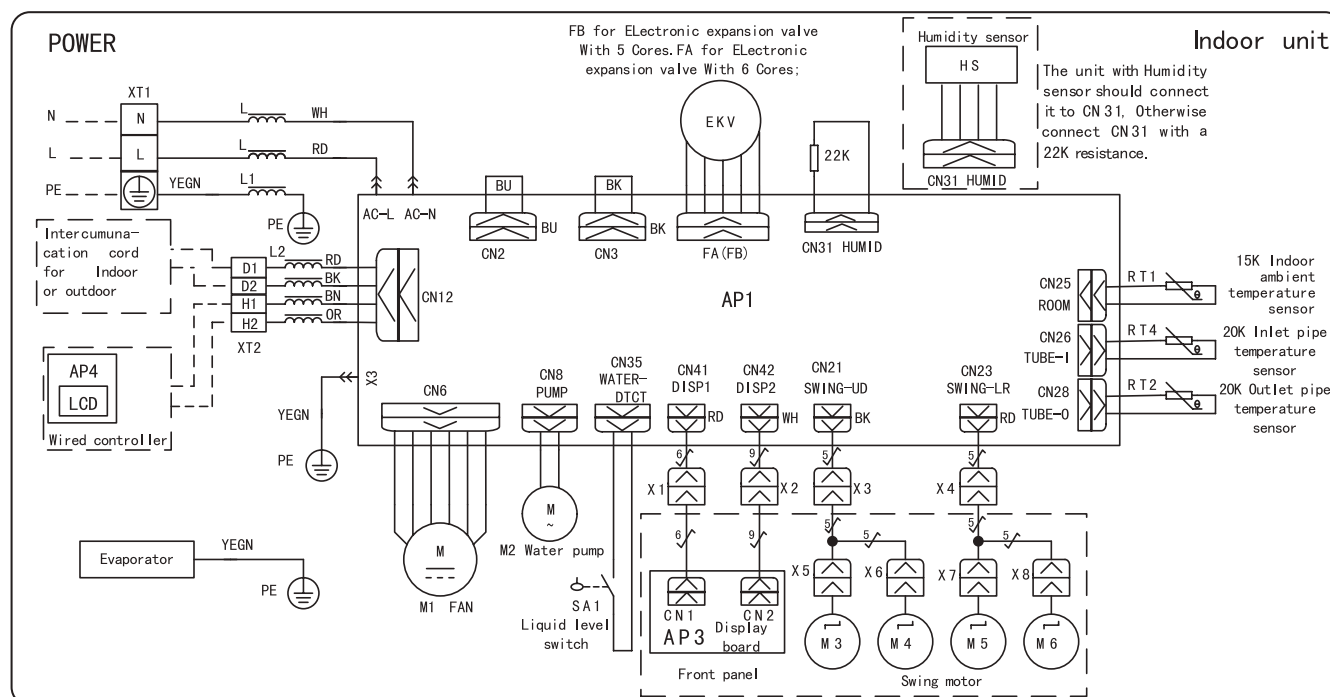
19.3. Внутренние блоки напольно-потолочного типа

SMZCF09V2AI ~ SMZCF48V2AI



19.4. Внутренние блоки кассетного типа 4x-поточные

SMZC09V2AI ~ SMZC28V2AI



POWER

N
L
PE

XT1

L1 L1 L1
WH RD

L2
YEGN

PE

Intercommuni-
cation cord
for Indoor
and outdoor

AP4
LCD

Wired controller

Evaporator

YEGN
PE

AC-L AC-N

BU BK

CN2 CN3

EKV

22K

CN31 HUMID

Humidity sensor
HS

CN31 HUMID

The unit with Humidity
sensor should connect
it to CN31. Otherwise
connect CN31 with a
22K resistance.

AP1

CN12

XT2

D1 D2 H1 H2
L3 RD BK BN OR

YEGN
PE

CN6

CN8 PUMP

CN35 WATER-
DTCT

CN41 DISP1

CN42 DISP2

CN21 SWING-UD

CN23 SWING-LR

CN25 ROOM

CN26 TUBE-I

CN28 TUBE-O

RT1

RT4

RT2

15K Indoor
ambient
temperature
sensor

20K Inlet pipe
temperature
sensor

20K Outlet pipe
temperature
sensor

M1 FAN

M2 Water pump

SA1
Liquid level
switch

Front panel

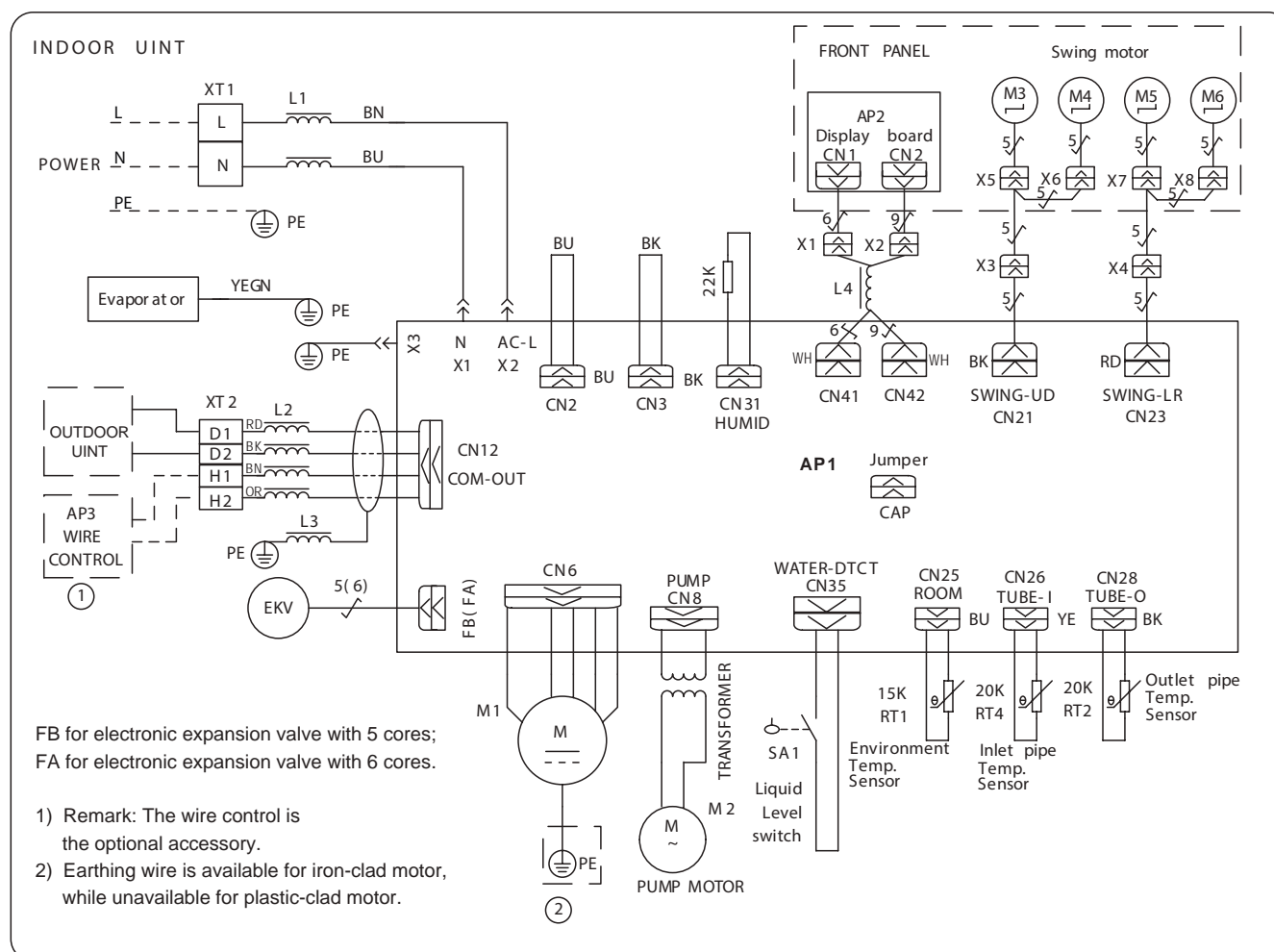
Swing motor

AP3
Display
board

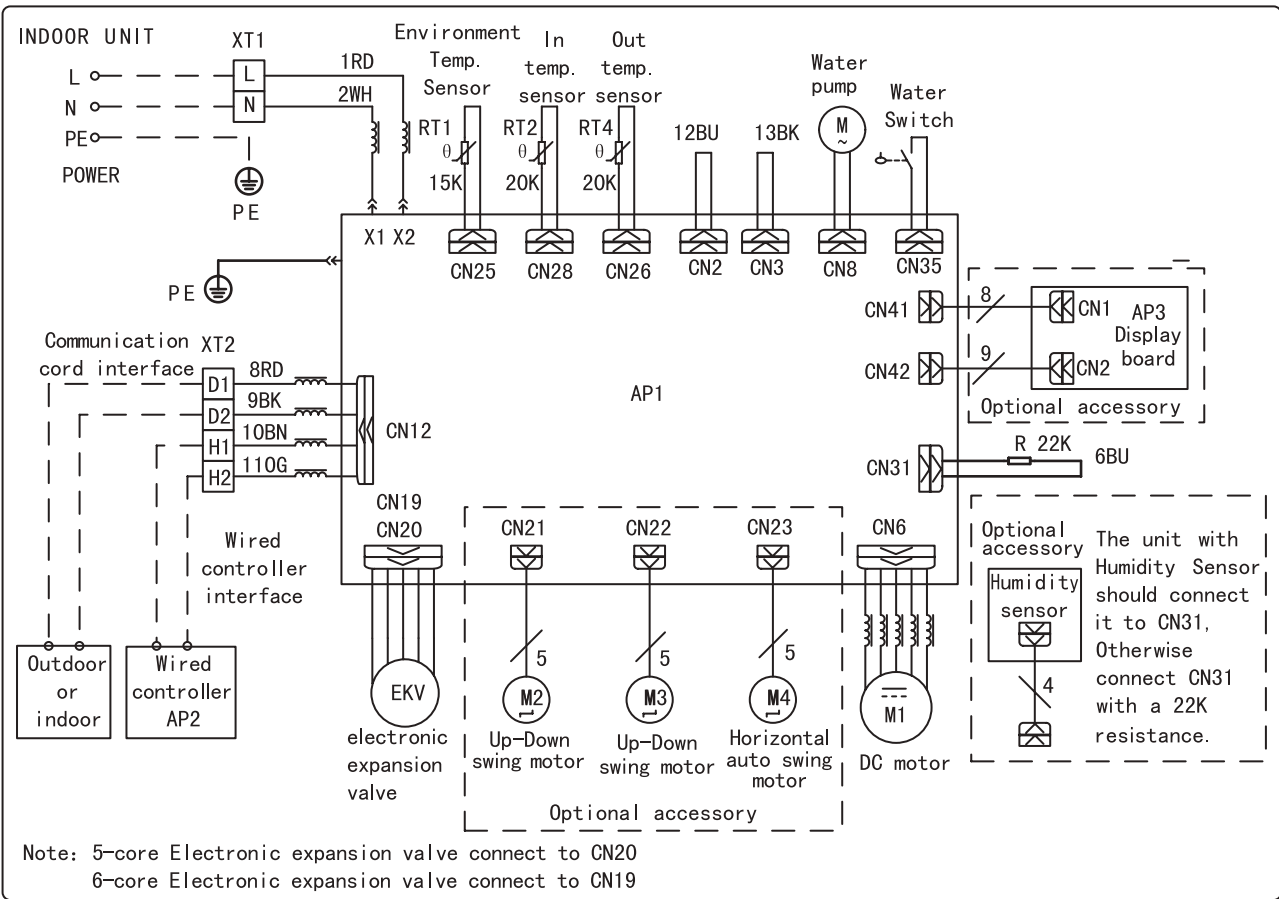
CN1 CN2

M3 M4 M5 M6

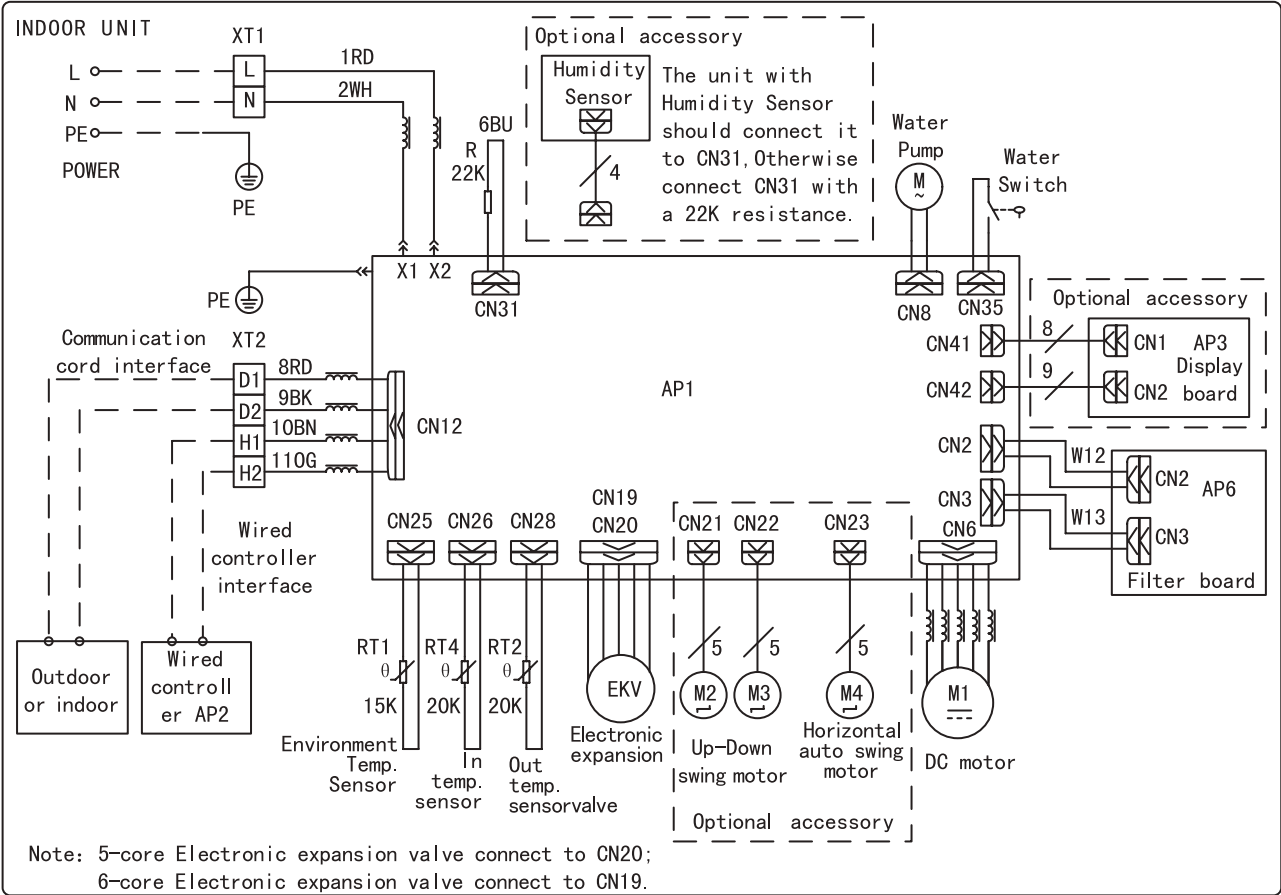
SMZCC07V2AI ~ SMZCC18V2AI



SMZ1C07V2AI ~ SMZ1C18V2AI

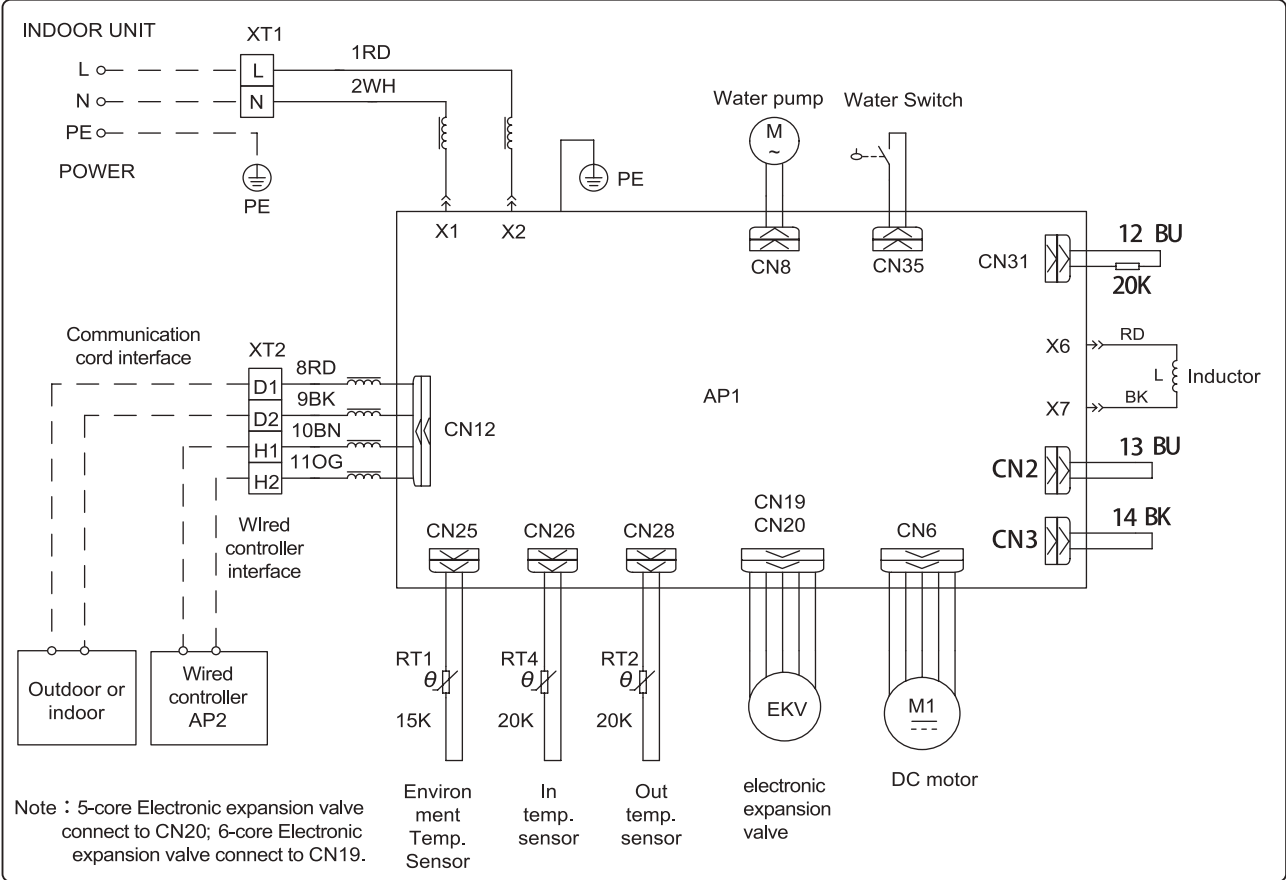


SMZD31V2AI ~ SMZD48V2AI

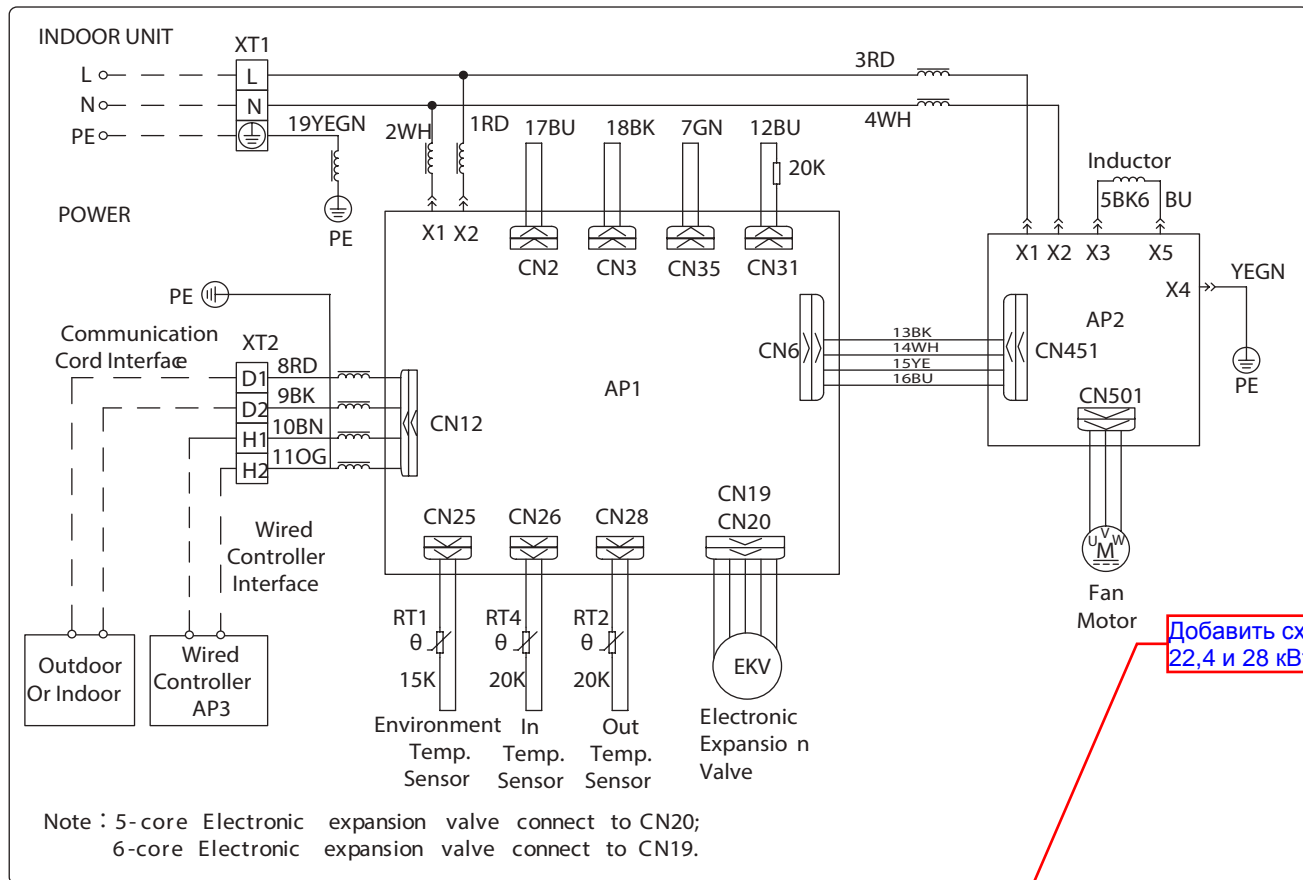


19.8. Внутренние блоки канального типа высоконапорные

SMZH18V2AI ~ SMZH27V2AI

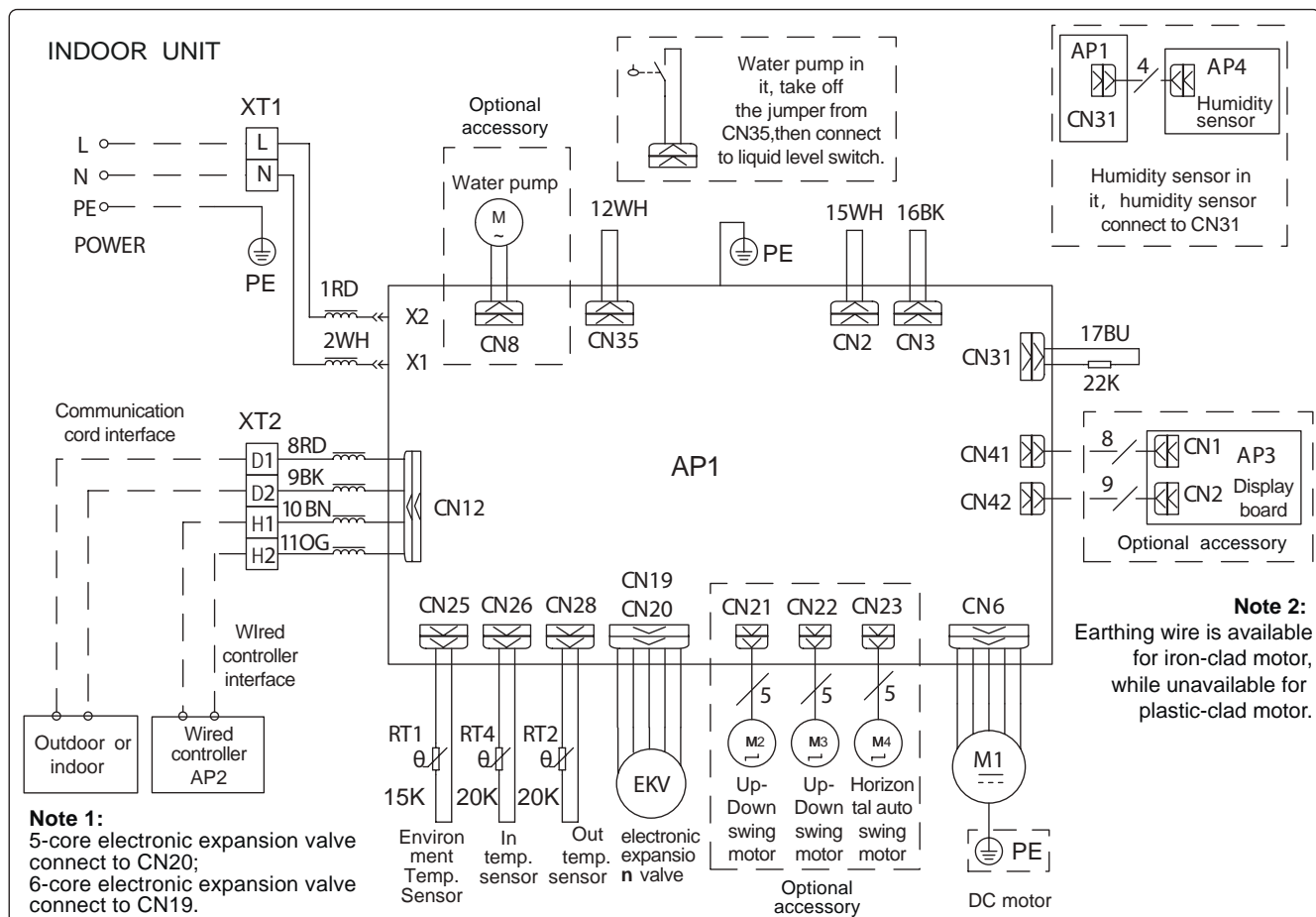


SMZH31V2AI ~ SMZH55V2AI



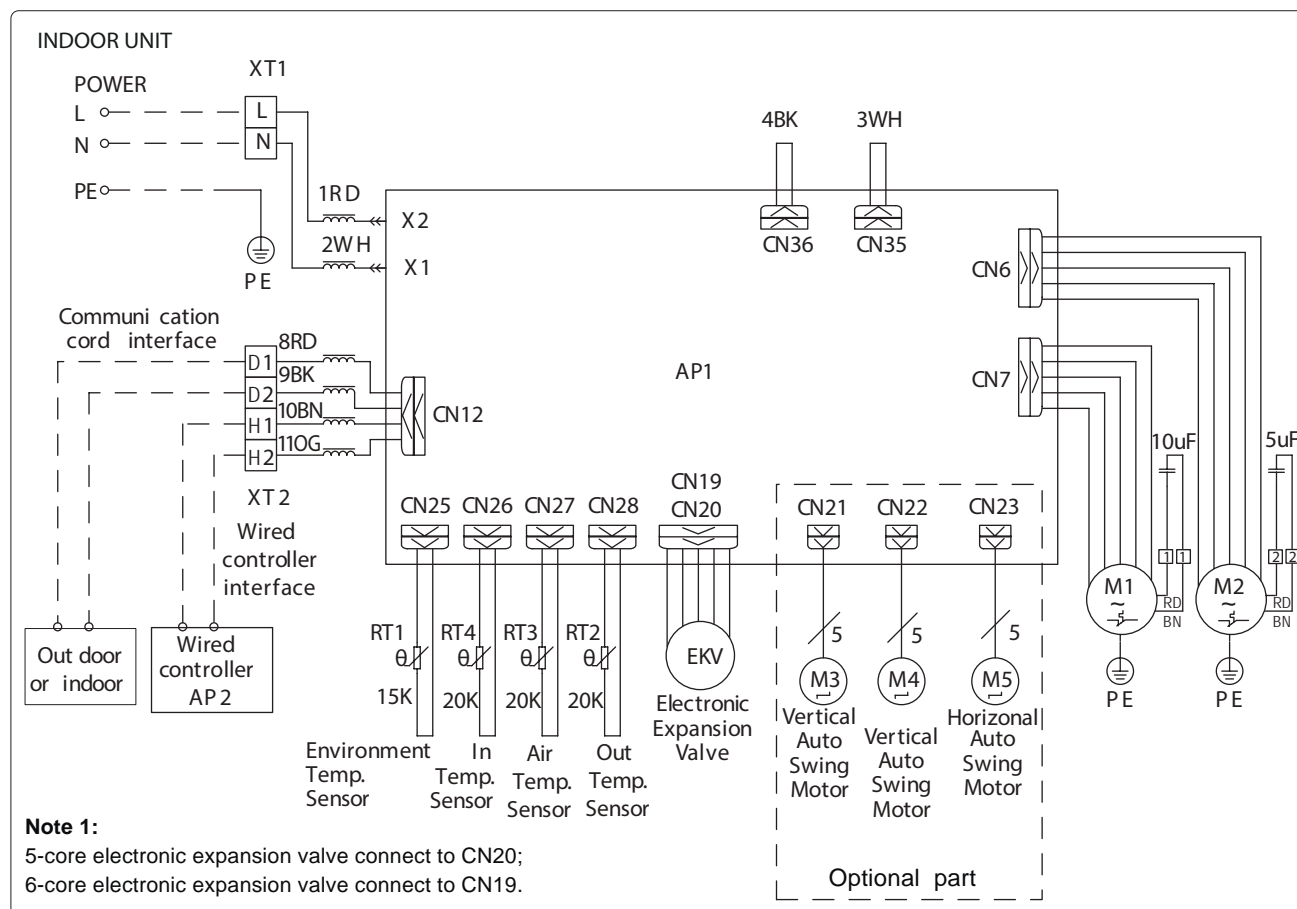
19.9. Внутренние блоки канального типа тонкие

SMZDS07V2AI ~ SMZDS24V2AI

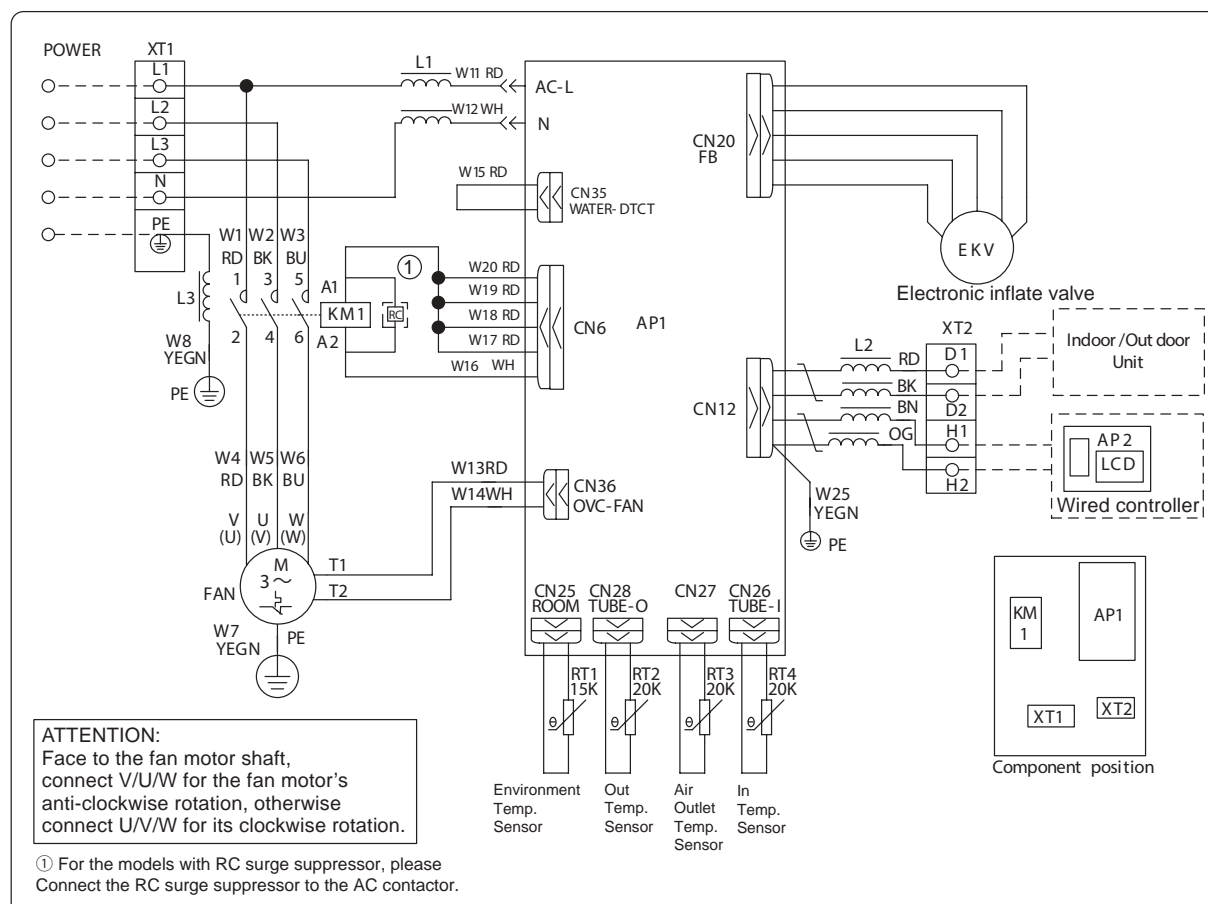


19.10. Внутренние блоки с притоком свежего воздуха

SMZFA48V2AI



SMZFA72V2AI, SMZFA96V2AI, SMZ1FA96V2AI



SMZFA154V2AI

