

SERVICE MANUAL



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Outdoor unit
AOYG45LAT8

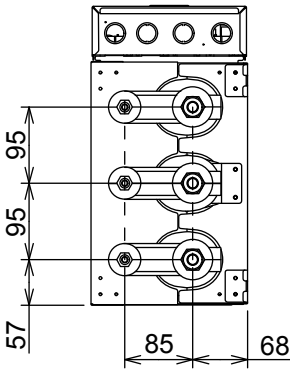
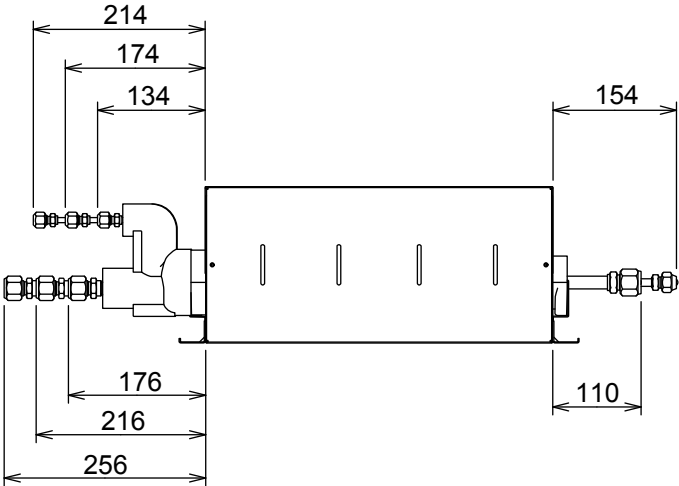
Branch box
UTP-PY02A
UTP-PY03A

Separation tube
UTP-SX248A

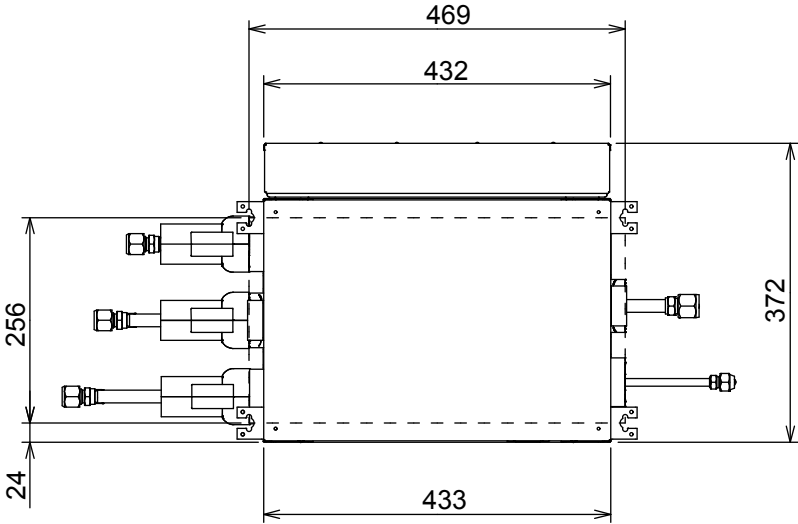
Indoor unit
ASYG07LJCA
ASYG09LJCA
ASYG12LJCA
ASYG18LFCA
ASYG24LFCA
AUYG07LVLA
AUYG09LVLA
AUYG12LVLA
AUYG14LVLA
AUYG18LVLA
UTG-UFYD-W
AGYG09LVCA
AGYG12LVCA
AGYG14LVCA
ARYG07LLTA
ARYG09LLTA
ARYG12LLTA
ARYG14LLTA
ARYG18LLTA
ABYG14LVTA
ABYG18LVTA

BRANCH BOX
UTP-PY03A

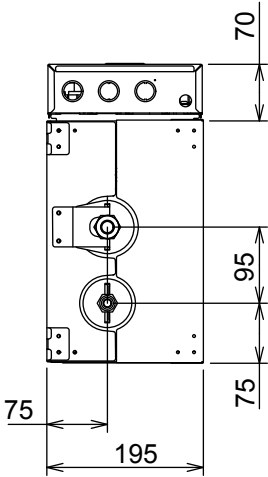
Unit : mm



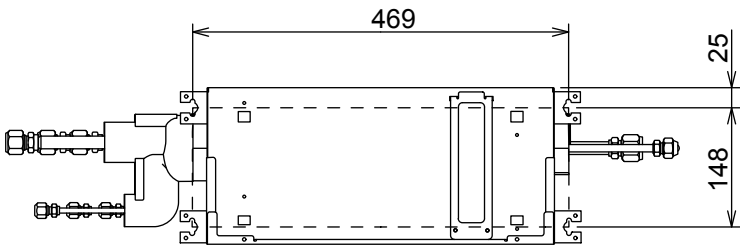
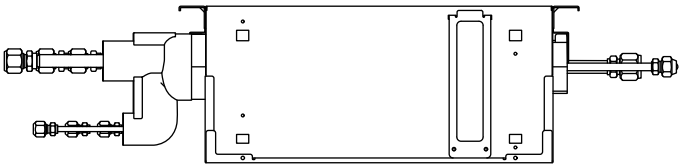
Indoor unit side



Ceiling hanging

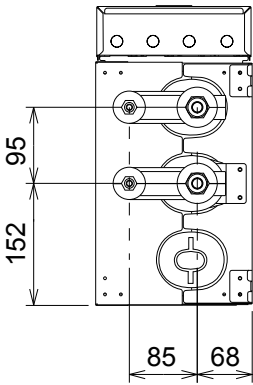
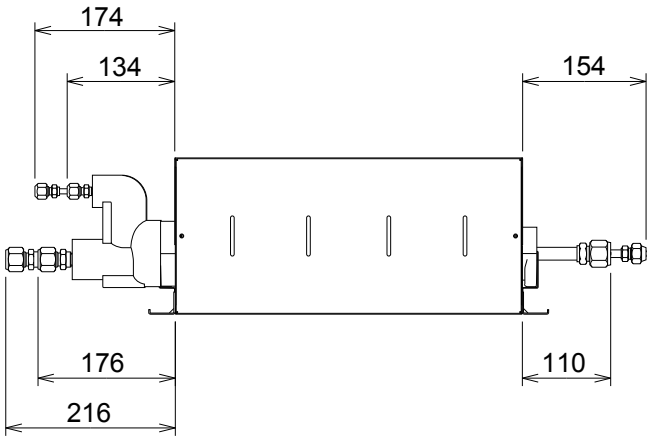


Outdoor unit side

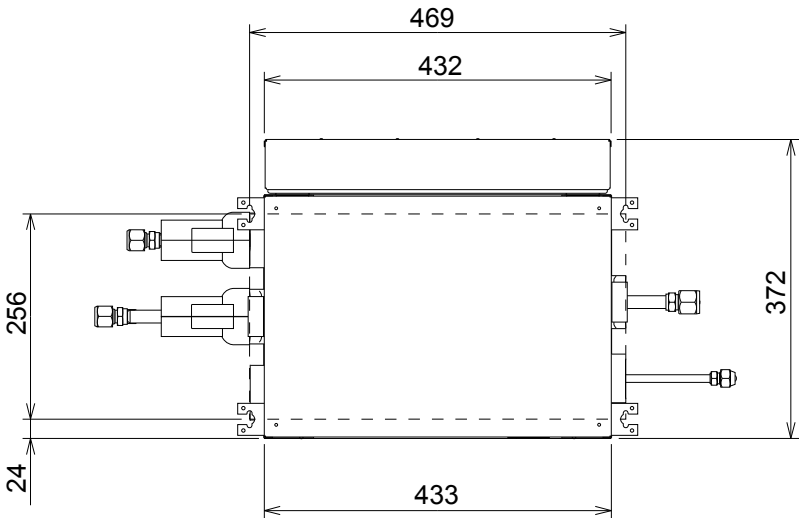


Wall hanging

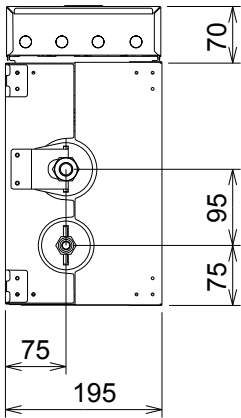
BRANCH BOX
UTP-PY02A
Unit : mm



Indoor unit side



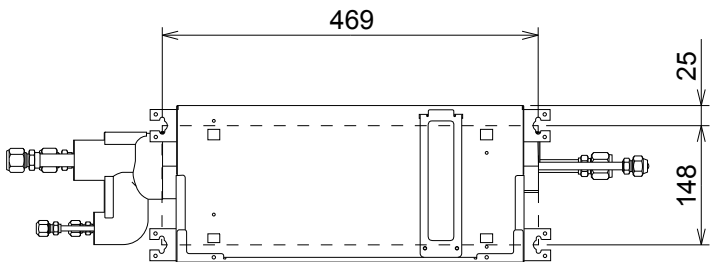
Ceiling hanging



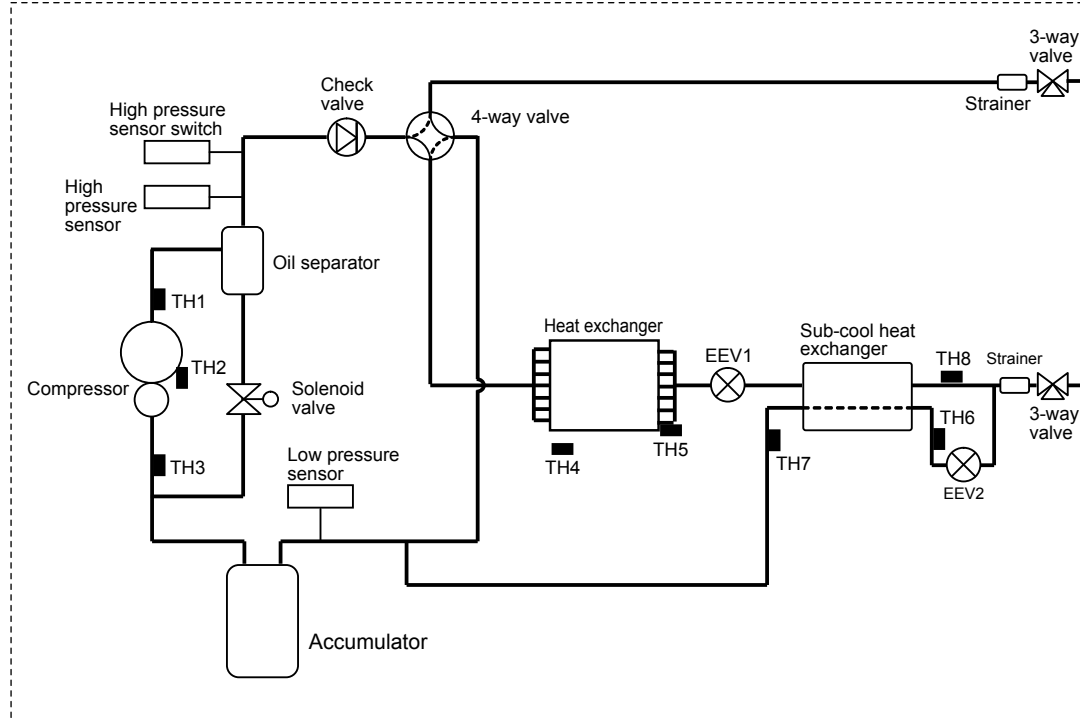
Outdoor unit side



Wall hanging



OUTDOOR UNIT



OUTDOOR UNIT

EEV	Electric expansion valve
TH 1	Discharge temperature thermistor
TH 2	Compressor temperature thermistor
TH 3	Suction temperature themistor
TH 4	Outdoor temperature themistor
TH 5	Heat exchanger (outlet) thermistor
TH 6	Sub-cool heat exchanger (inlet) thermistor
TH 7	Sub-cool heat exchanger (outlet) thermistor
TH 8	Liquid temperature thermistor

REFRIGERANT SYSTEM DIAGRAM

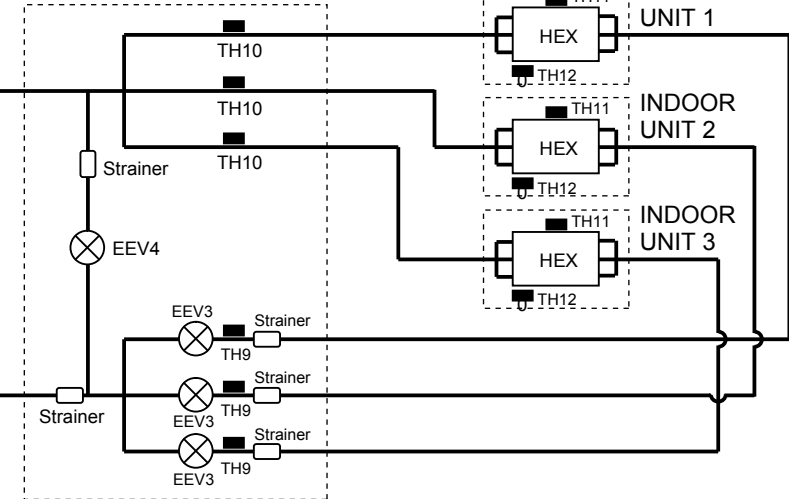
BRANCH BOX

EEV	Electric expansion valve
TH 9	Branch box liquid temperature thermistor
TH 10	Branch box gas temperature thermistor

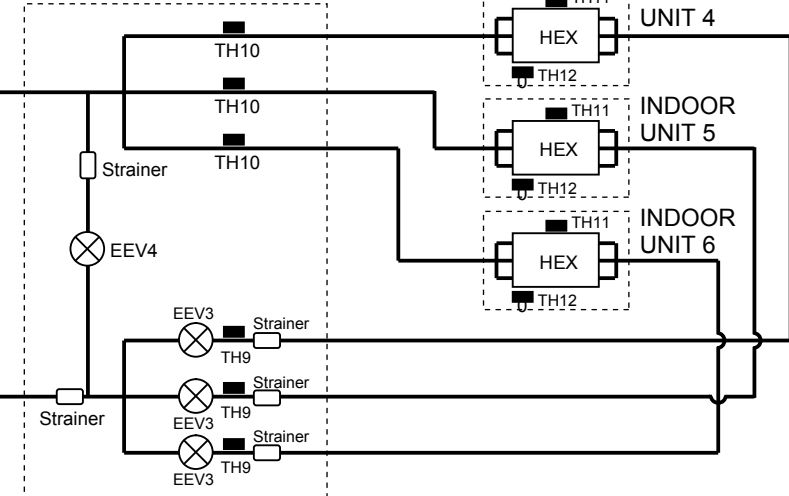
INDOOR UNIT

HEX	Heat exchanger
TH 11	Heat exchanger (middle) thermistor
TH 12	Room temperature thermistor

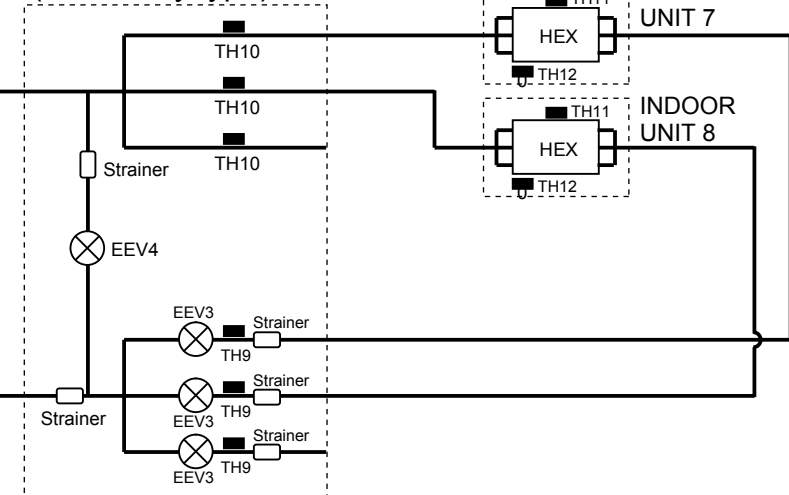
BRANCH BOX 1 (primary type)



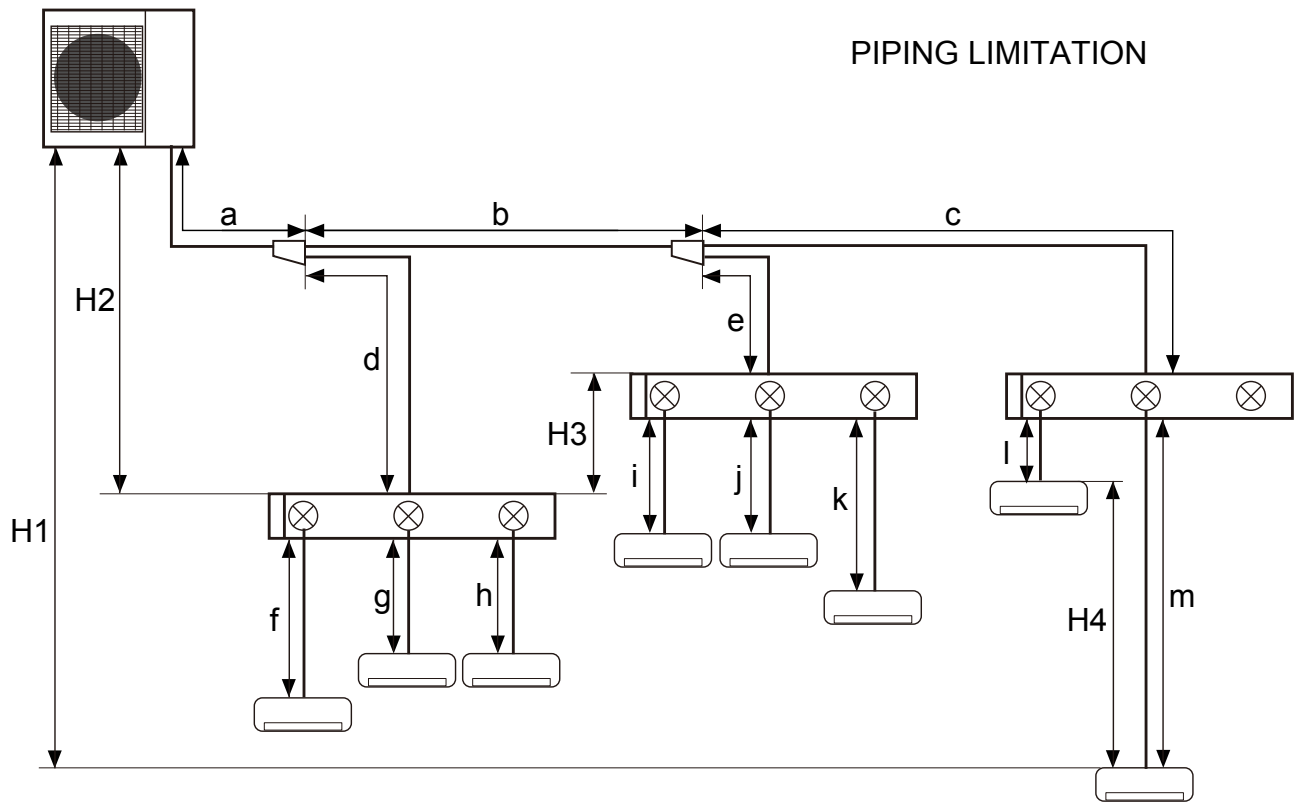
BRANCH BOX 2 (secondary type)



BRANCH BOX 3 (secondary type)



PIPING LIMITATION



PIPE LENGTH

Total pipe length		Less than 115 m	Total
Between outdoor unit and the farthest indoor unit		Less than 70 m	$a + b + c + m$
Between outdoor unit and branch boxes		Less than 55 m	$a + b + c + d + e$
Between branch box and indoor unit	Total	Less than 60 m	$f + g + h + i + j + k + l + m$
	Each unit	3 to 15 m	f, g, h, i, j, k, l, m
Between outdoor unit and the first separation tube		More than 5 m	a
Between outdoor unit and branch box (When there is no separation tube)		More than 5 m	$a + d$

HEIGHT DIFFERENCE

Between outdoor unit and indoor unit	Less than 30 m	H1
Between outdoor unit and branch box	Less than 30 m	H2
Between branch boxes	Less than 15 m	H3
Between indoor units	Less than 15 m	H4

ADDITIONAL CHARGE

Liquid pipe diameter	Additional charge
Ø 6.35 mm	21 g/m
Ø 9.52 mm	58 g/m

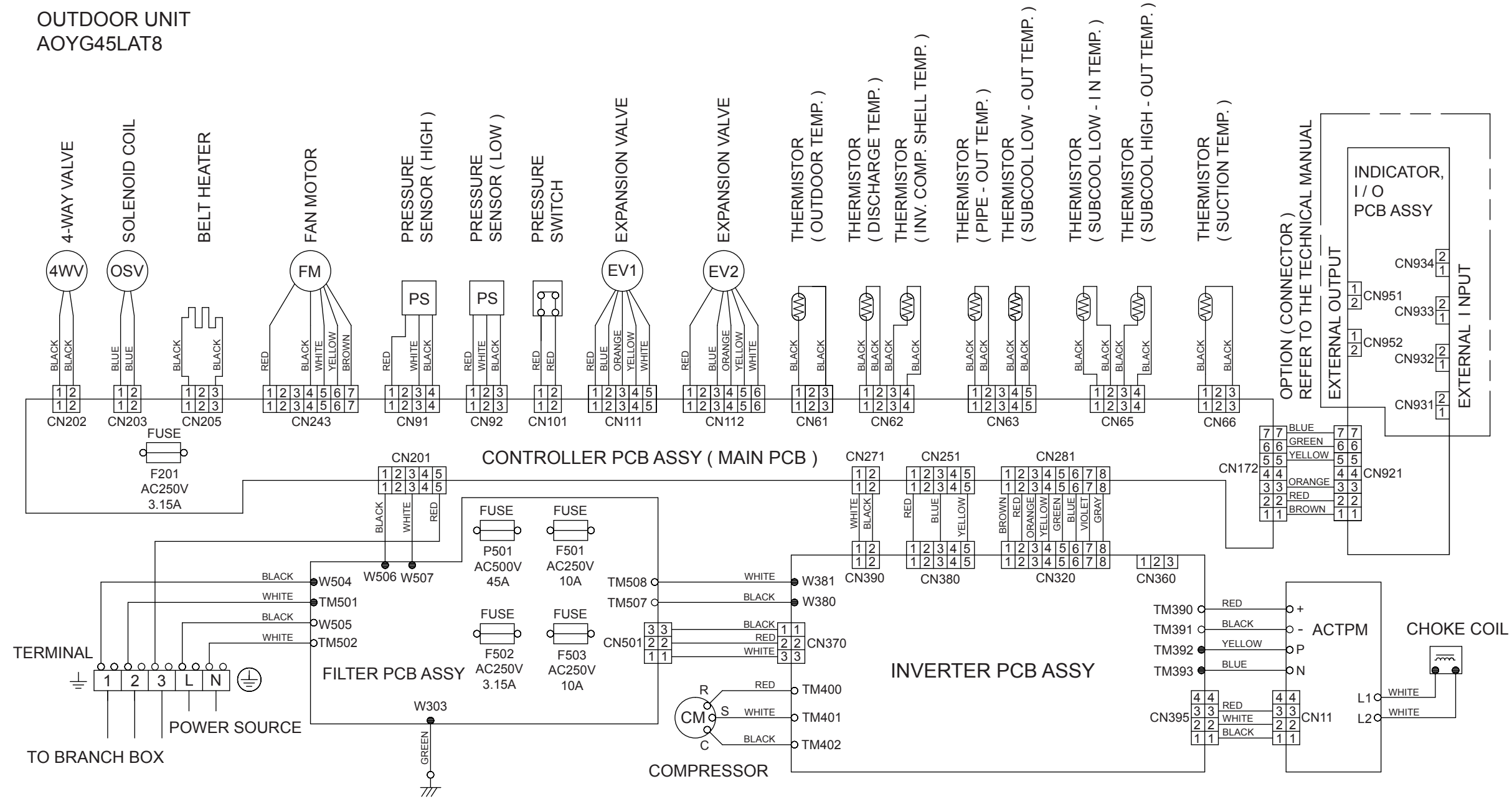
Additional refrigerant depends on the liquid pipe diameter.

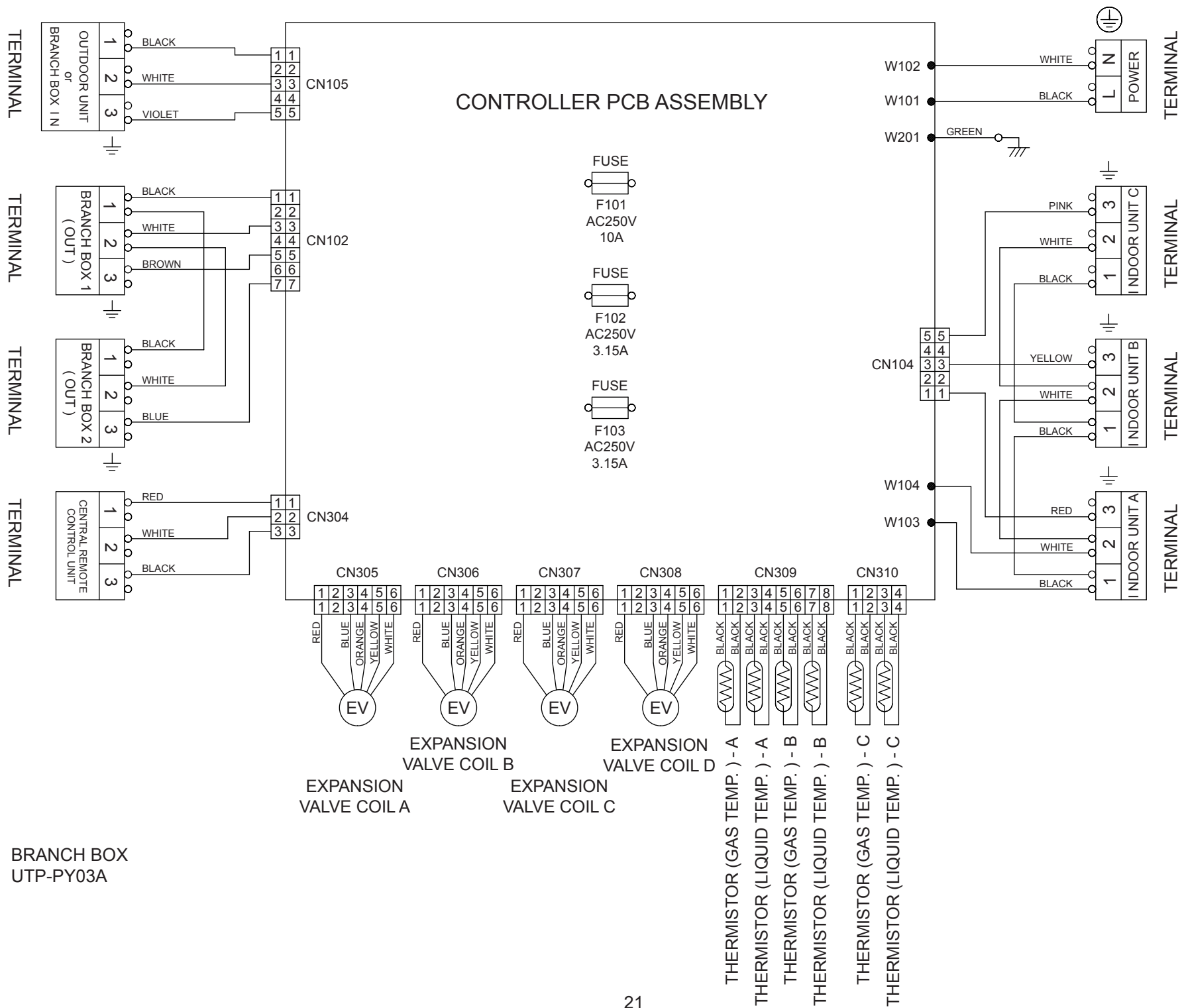
PIPE DIAMETER

	AOYG45LAT8	Branch box (Outdoor side)	Branch box (Indoor side)	ASYG07,09,12LJCA AUYG07,09,12LVLA ARYG07,09,12LVCA	ASYG18LFCA AUYG14,18LVLA ARYG18LLTA	ASYG24LFCA
Liquid pipe	9.52 mm		6.35 mm			
Gas pipe	15.88 mm		12.7 mm	9.52 mm	12.7 mm	15.88 mm

CIRCUIT DIAGRAM

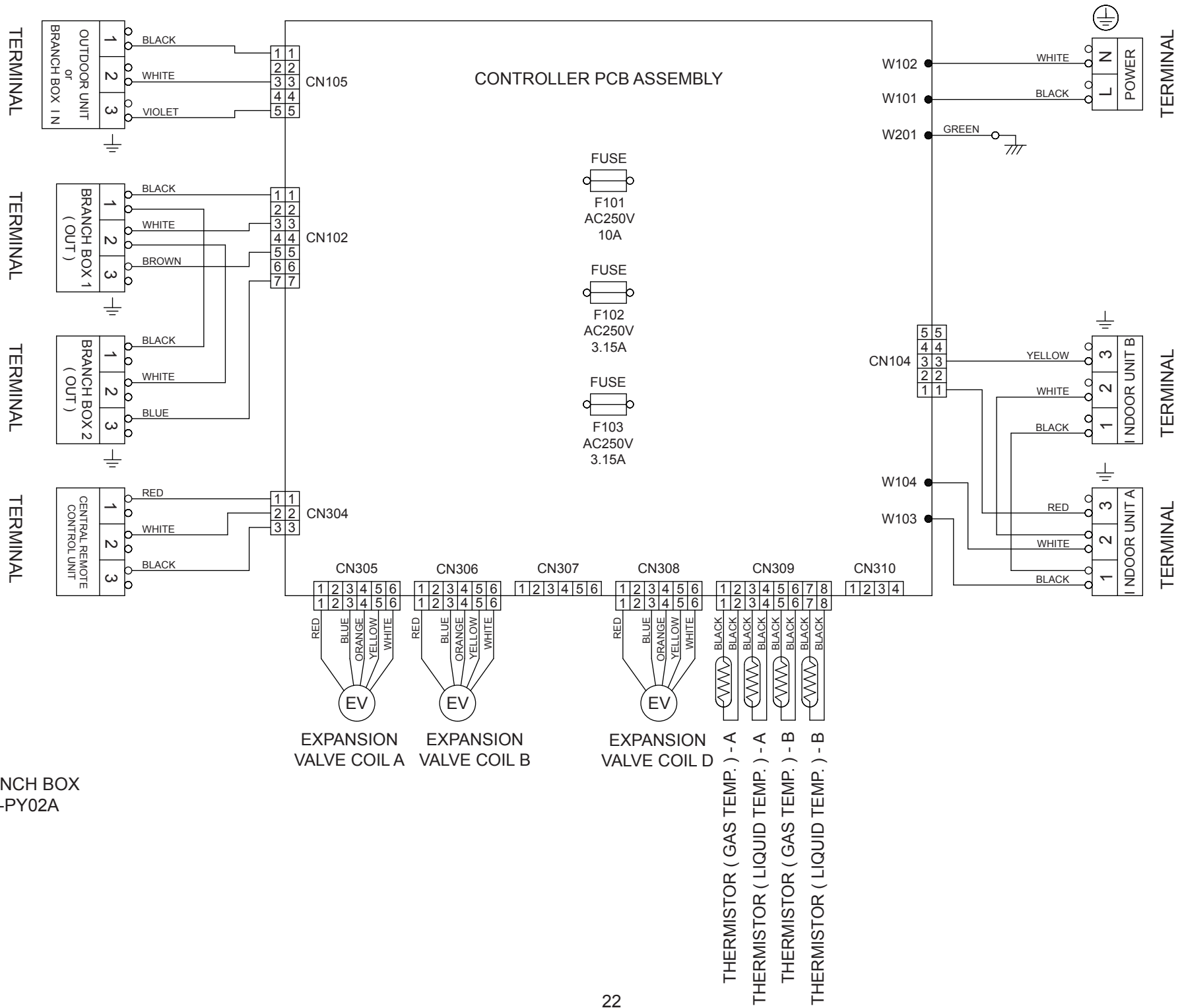
OUTDOOR UNIT
AOYG45LAT8



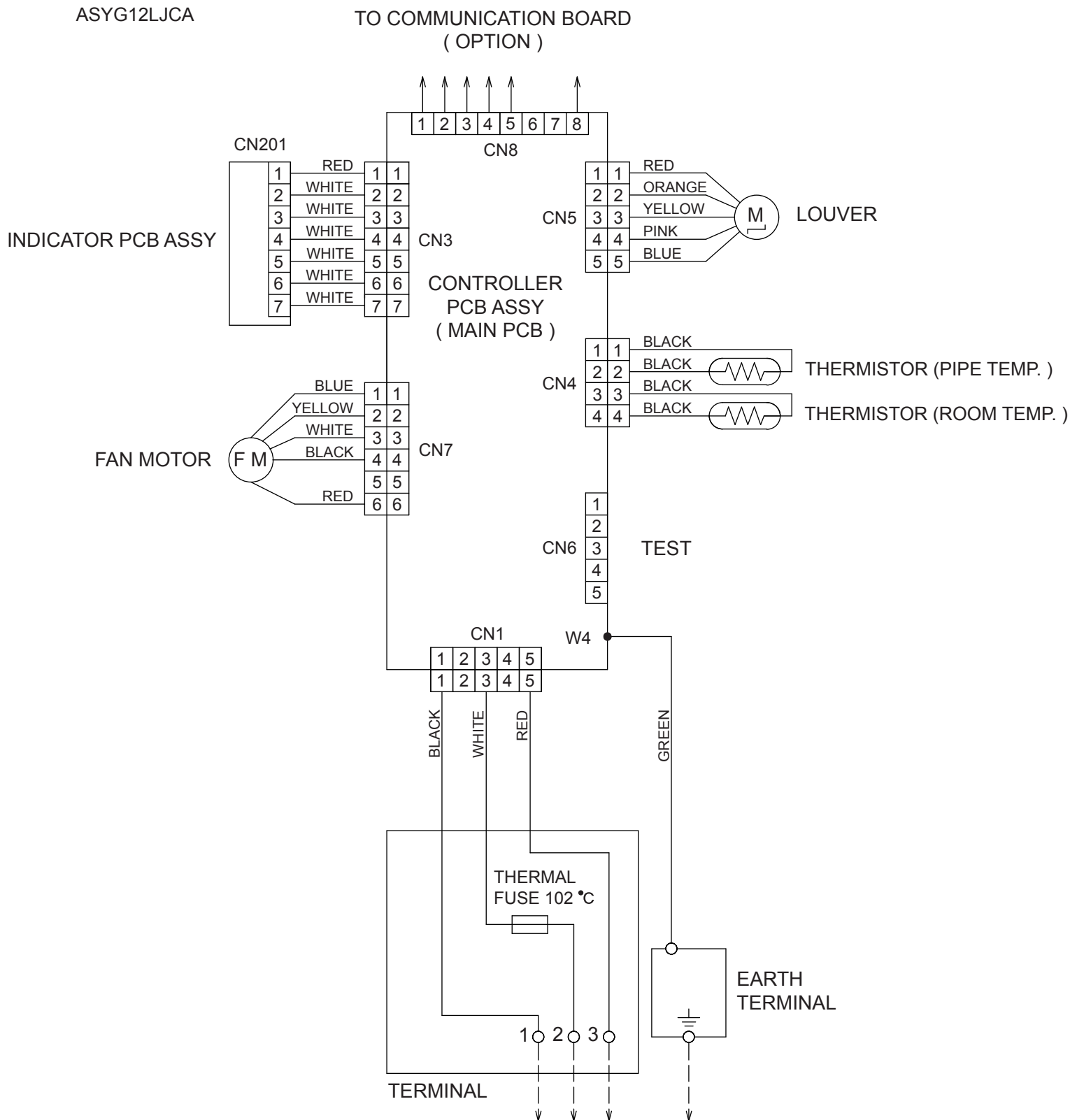


BRANCH BOX
UTP-PY03A

BRANCH BOX
UTP-PY02A

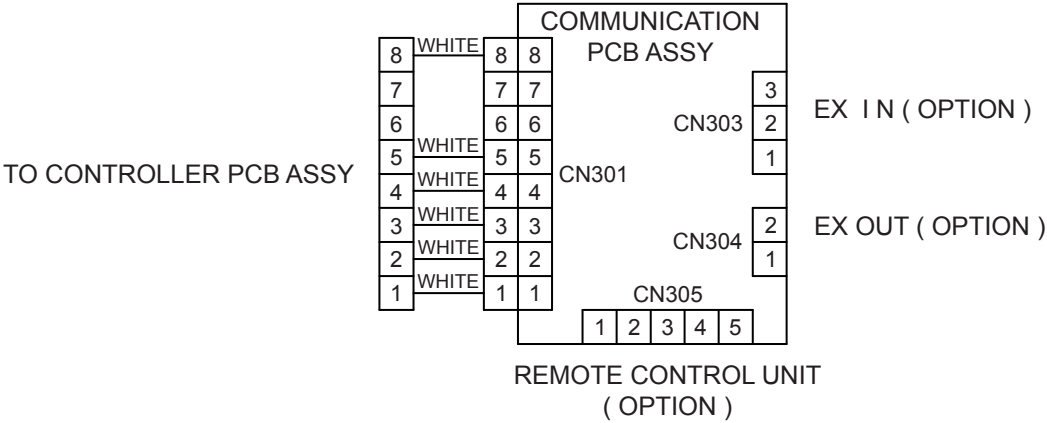


INDOOR UNIT
 COMPACT WALL MOUNTED
 ASYG07LJCA
 ASYG09LJCA
 ASYG12LJCA



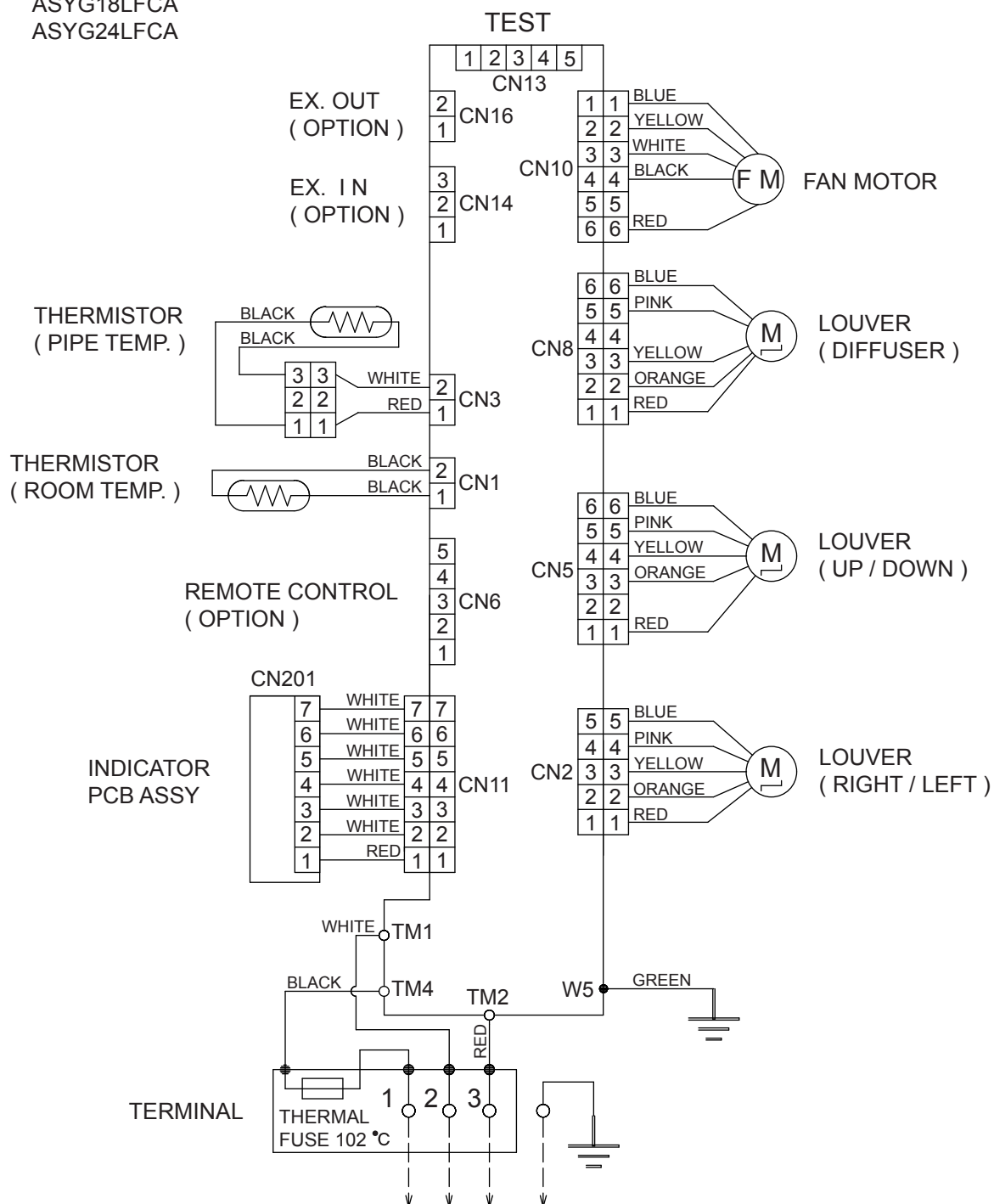
COMMUNICATION KIT
UTY-XCBXZ1

The limitation is option of ASYG07, 09 and 12LJCA

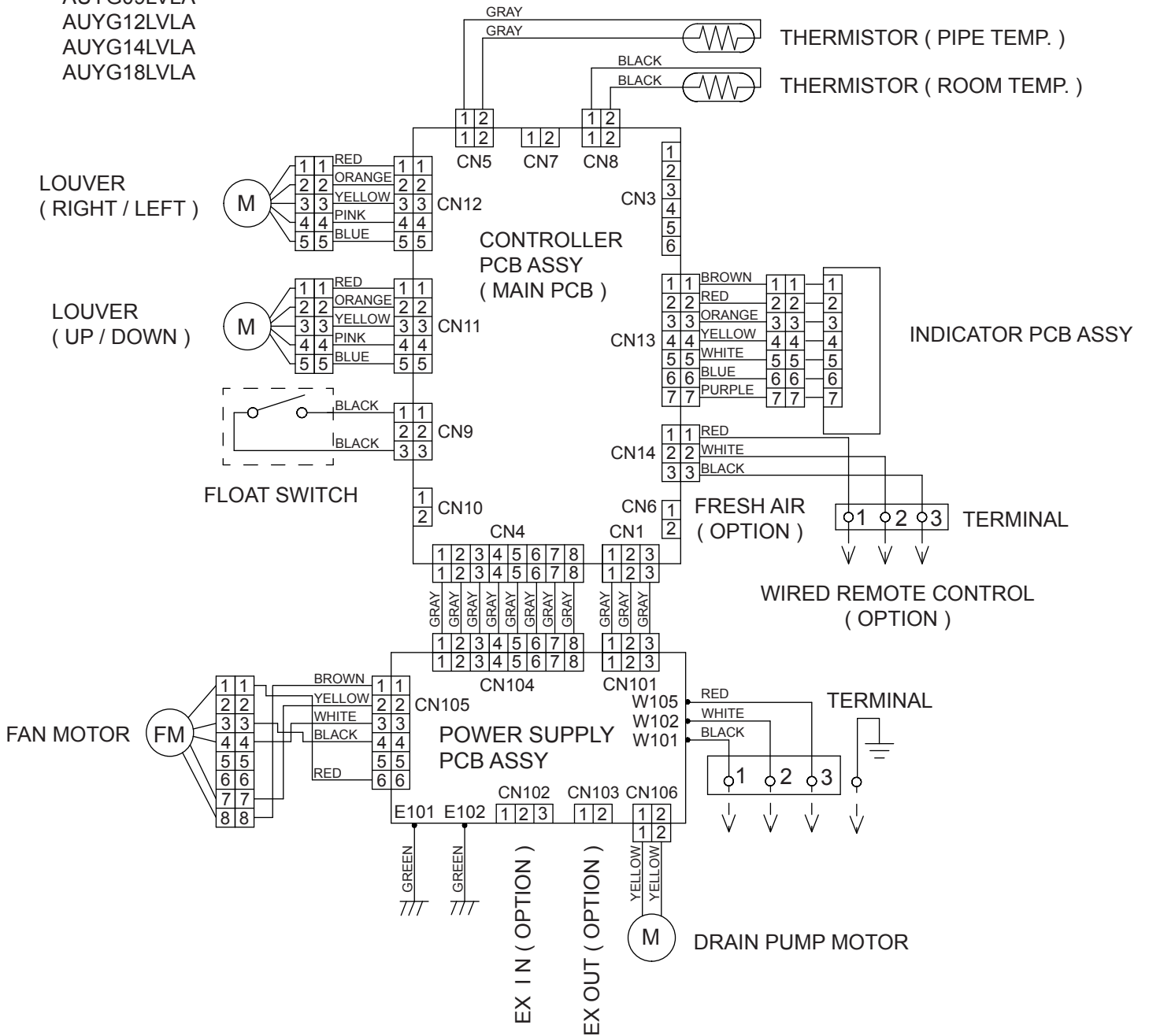


INDOOR UNIT
WALL MOUNTED
ASYG18LFCA
ASYG24LFCA

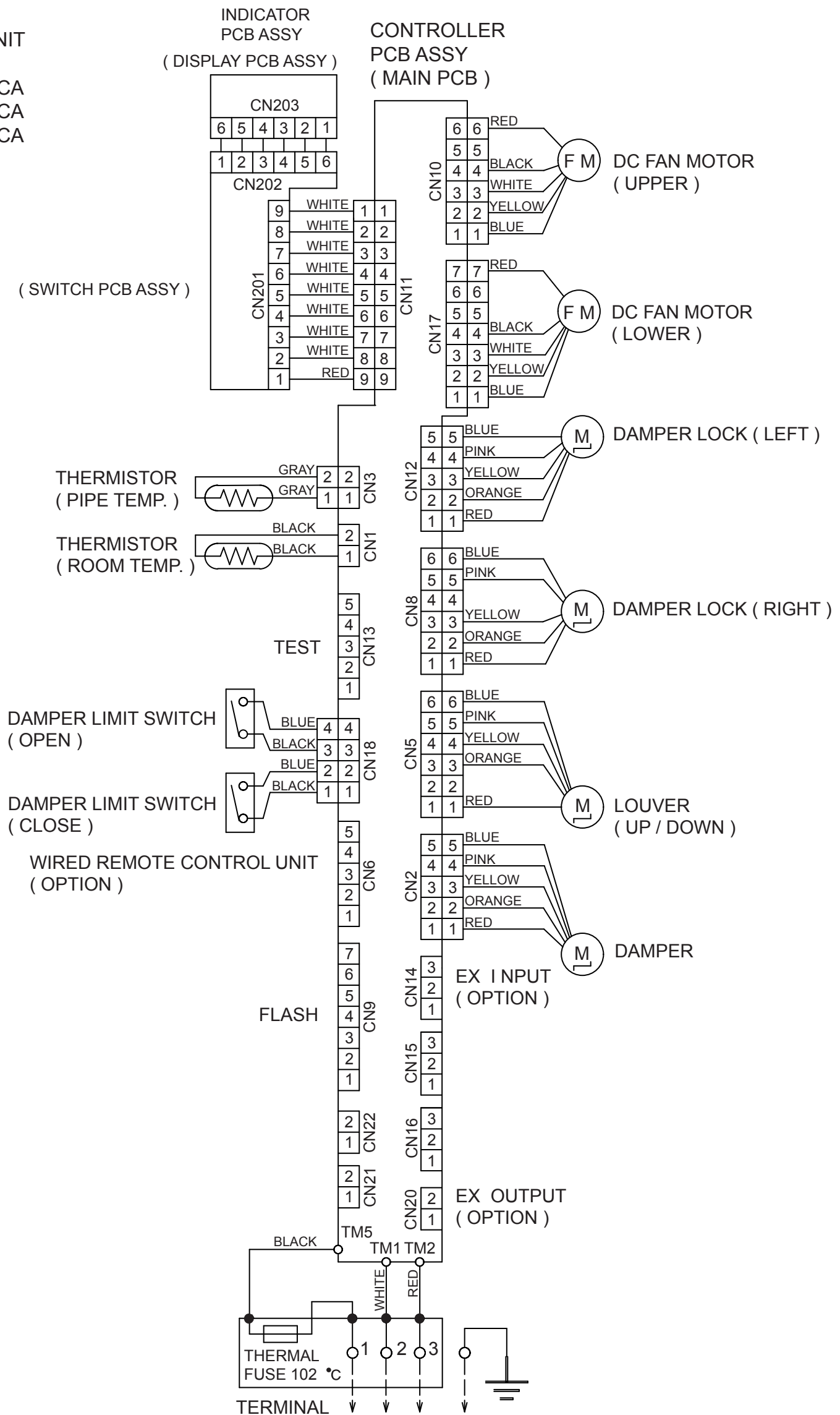
CONTROLLER PCB ASSY (MAIN PCB)



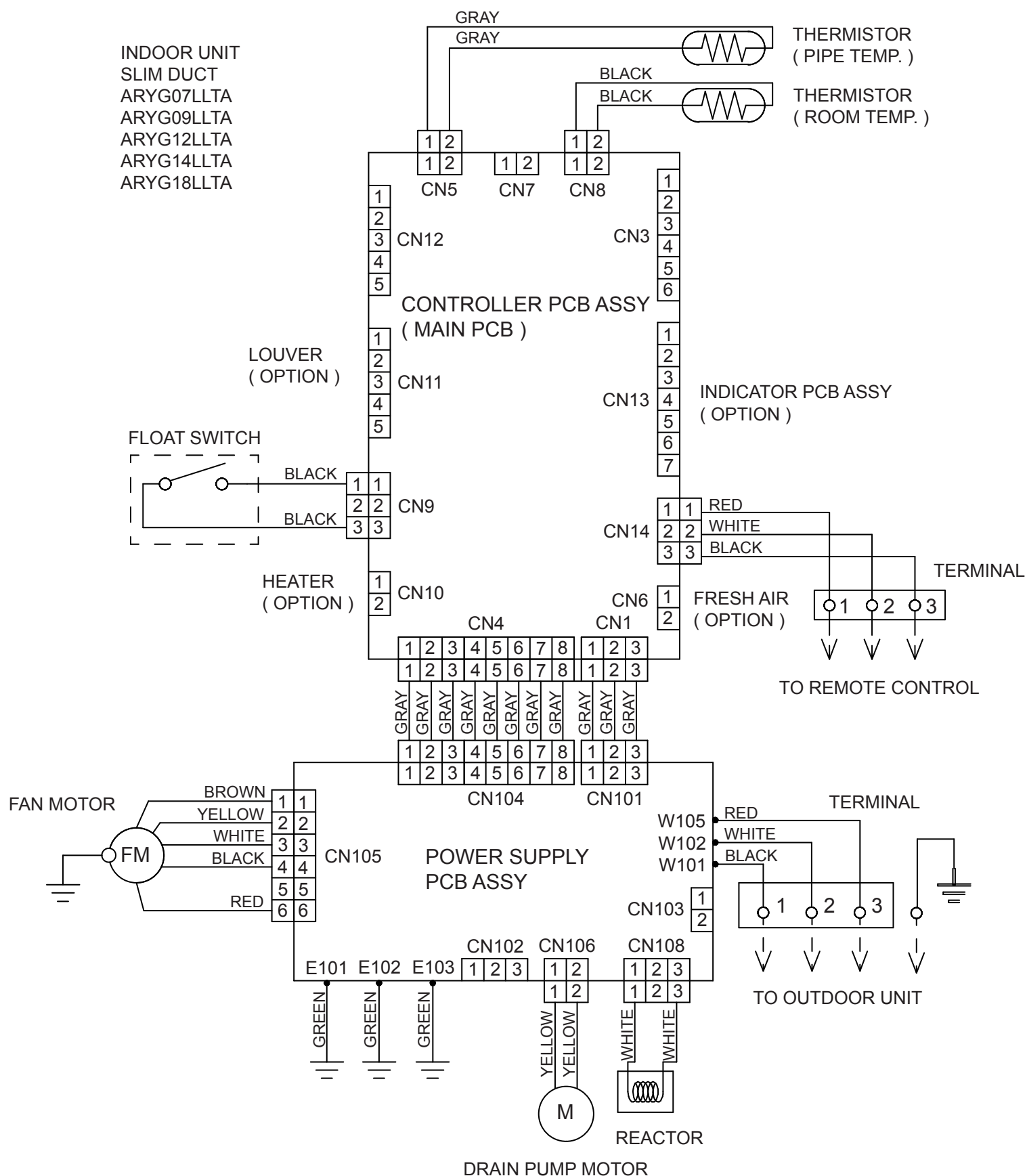
INDOOR UNIT
 COMPACT CASSETTE
 AUYG07LVLA
 AUYG09LVLA
 AUYG12LVLA
 AUYG14LVLA
 AUYG18LVLA



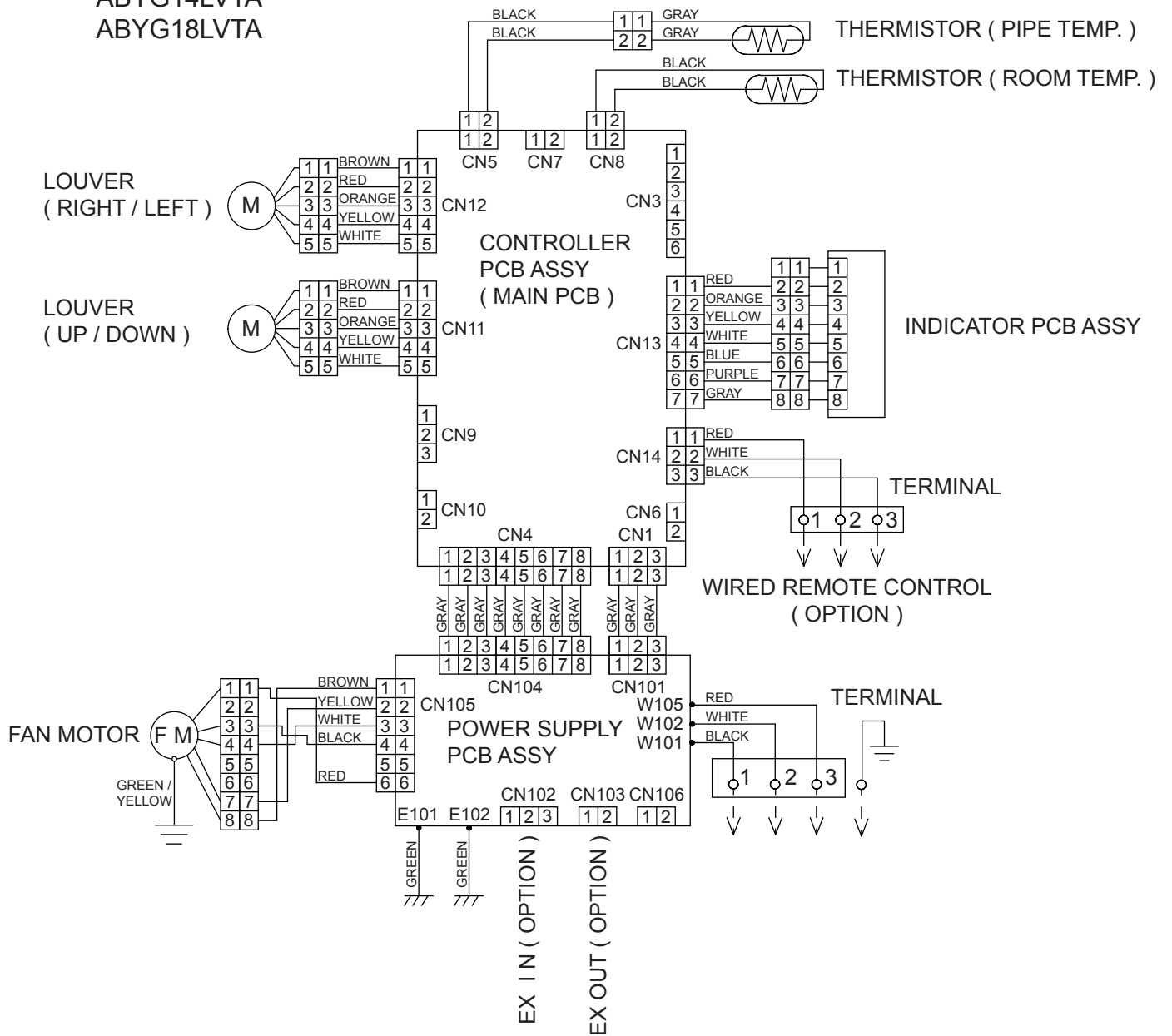
INDOOR UNIT
FLOOR
AGYG09LVCA
AGYG12LVCA
AGYG14LVCA



INDOOR UNIT
SLIM DUCT
ARYG07LLTA
ARYG09LLTA
ARYG12LLTA
ARYG14LLTA
ARYG18LLTA



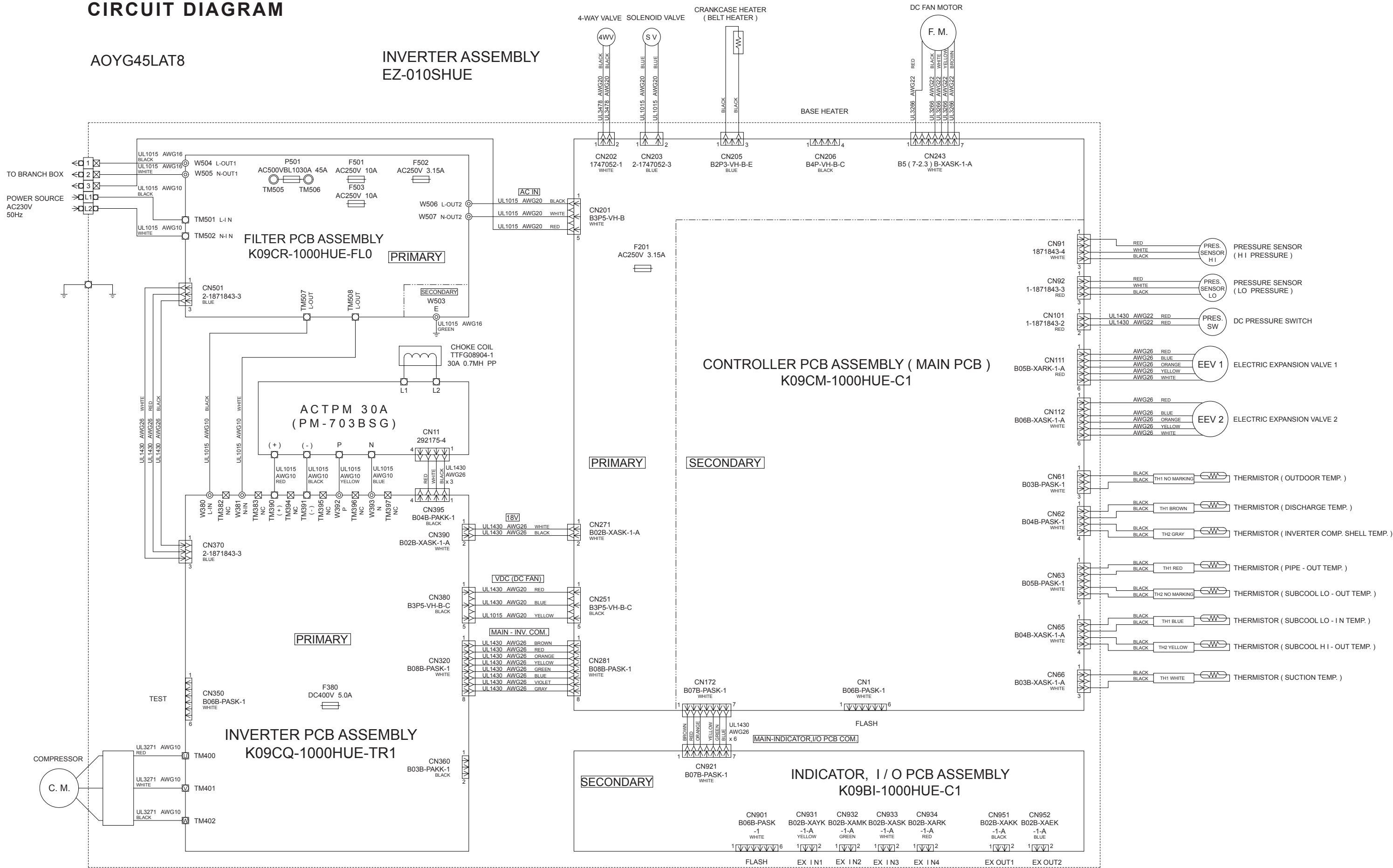
INDOOR UNIT
FLOOR / CEILING
ABYG14LVTA
ABYG18LVTA



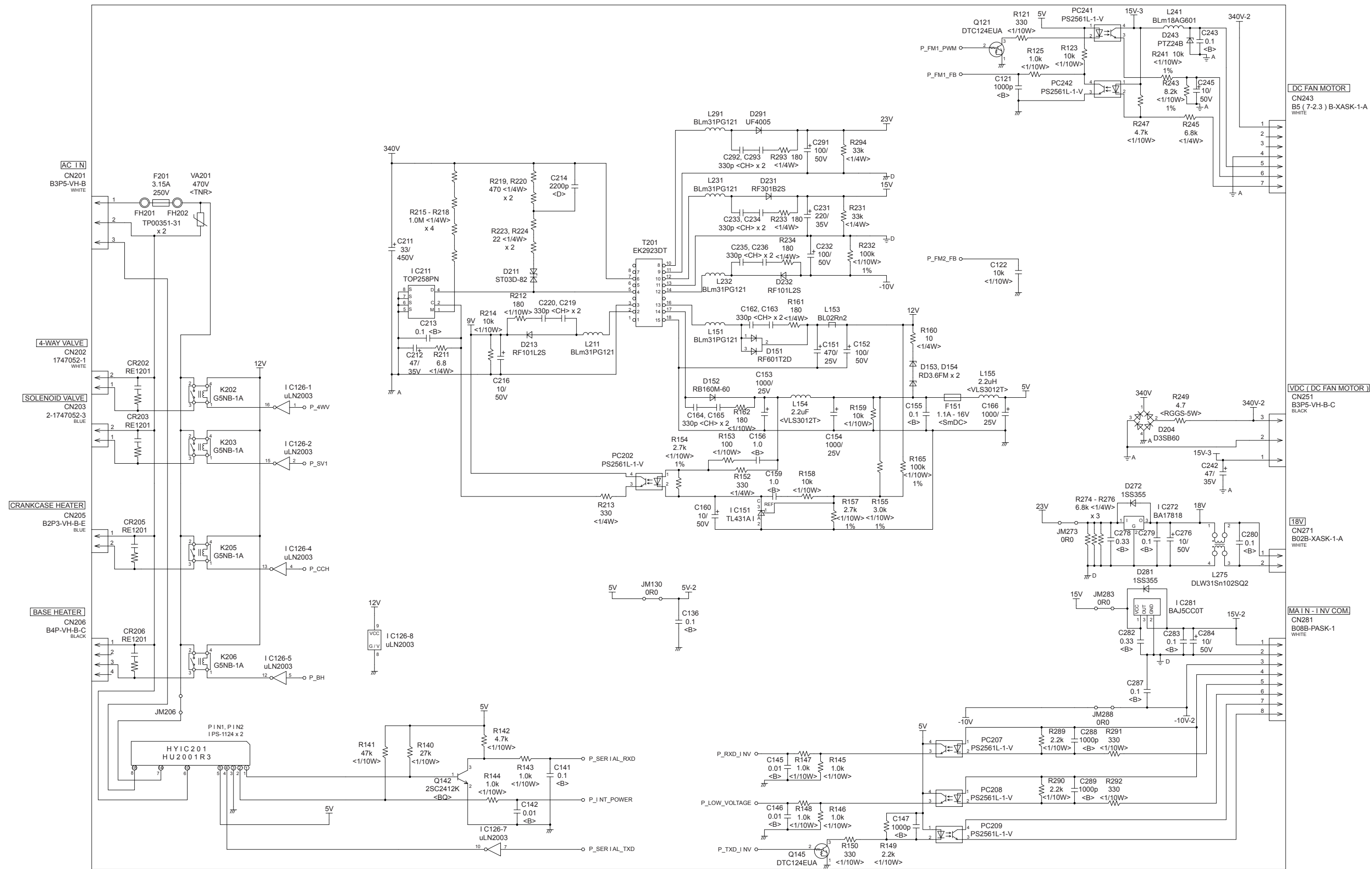
OUTDOOR PCB CIRCUIT DIAGRAM

AOYG45LAT8

INVERTER ASSEMBLY
EZ-010SHUE

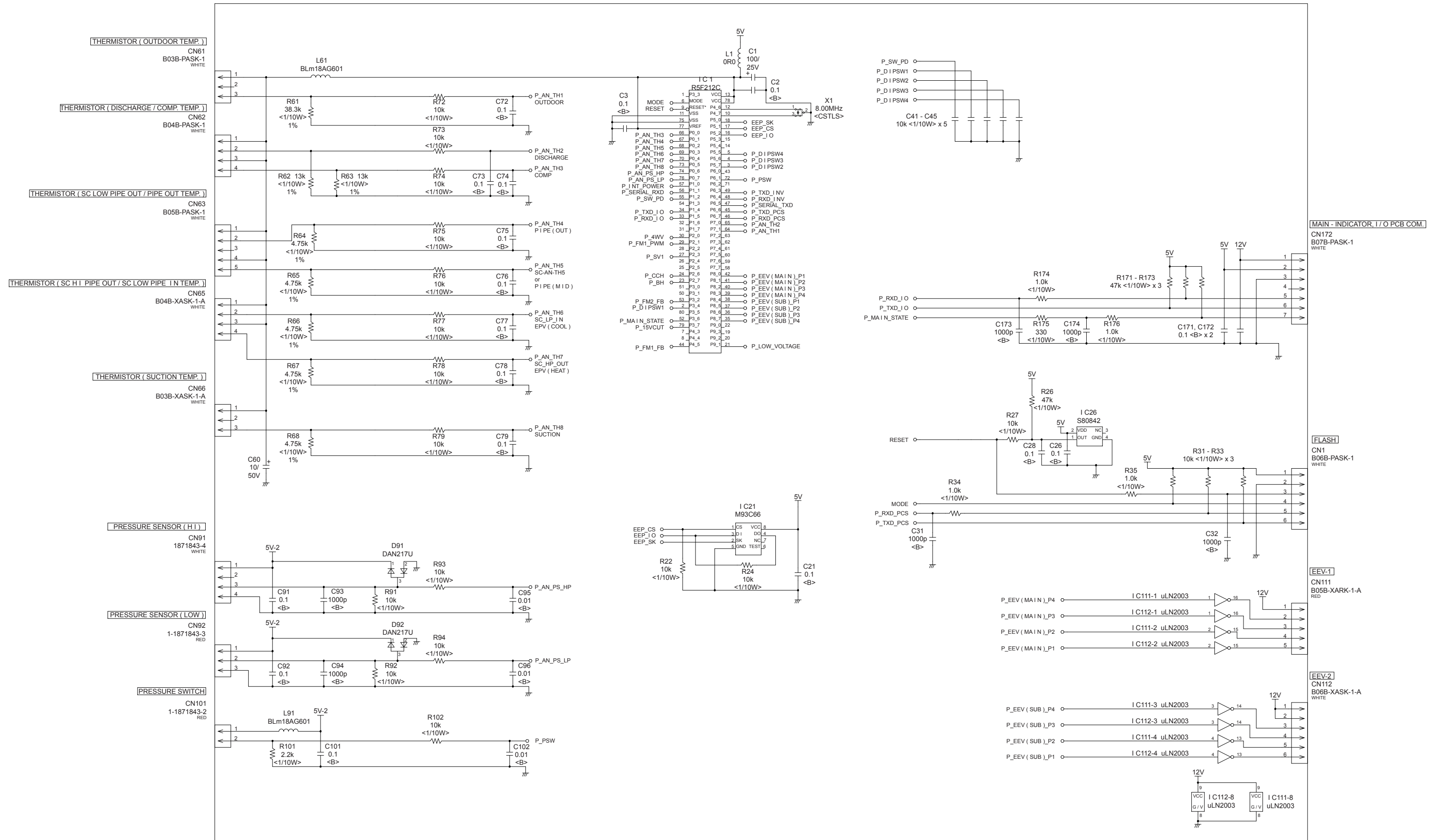


OUTDOOR UNIT
AOYG45LAT8
CONTROLLER PCB ASSEMBLY (MAIN PCB) : PRIMAY
K09CM-1000HUE-C1



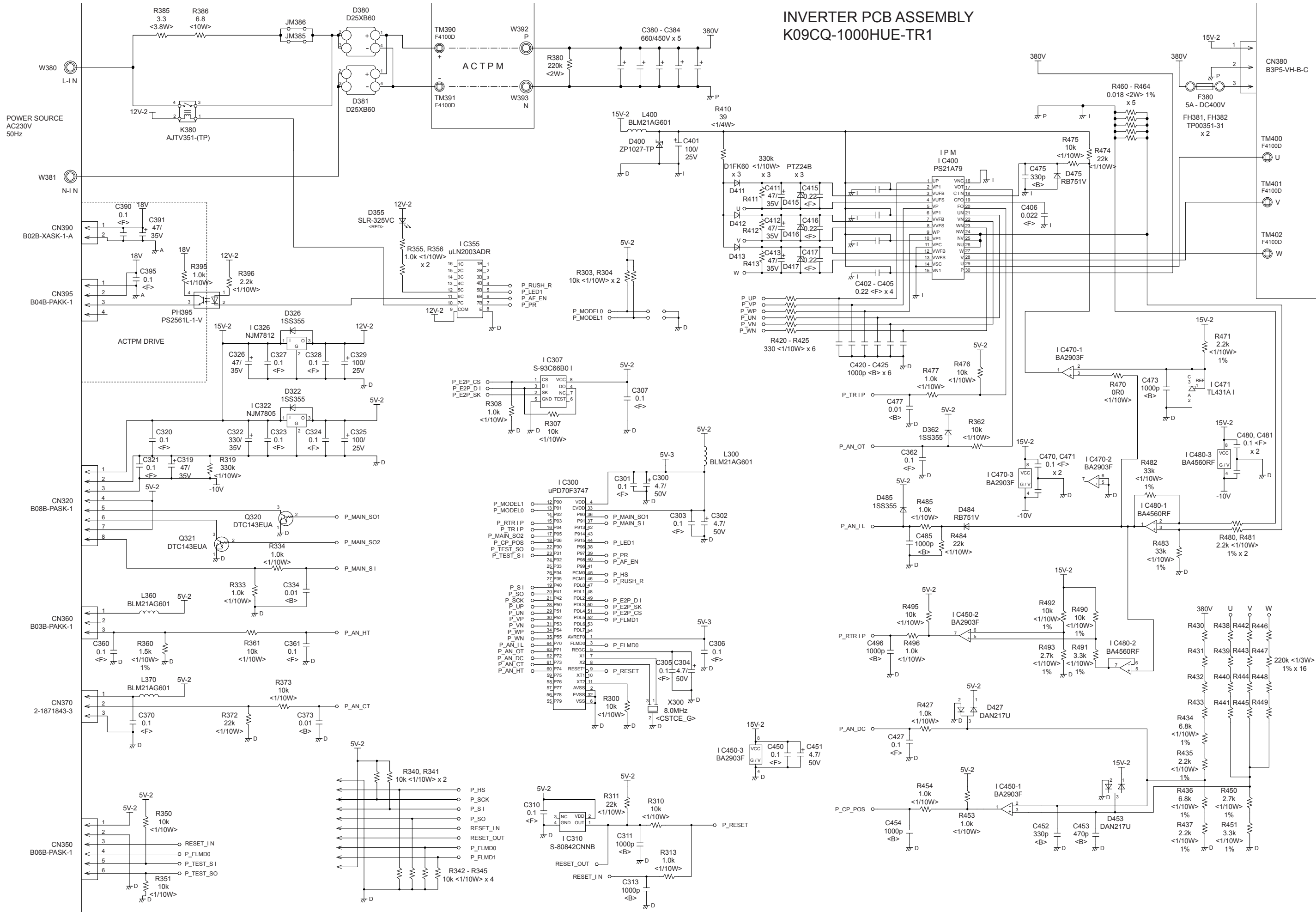
OUTDOOR UNIT
AOYG45LAT8

CONTROLLER PCB ASSEMBLY (MAIN PCB) : SECONDARY
K09CM-0900HUE-C1



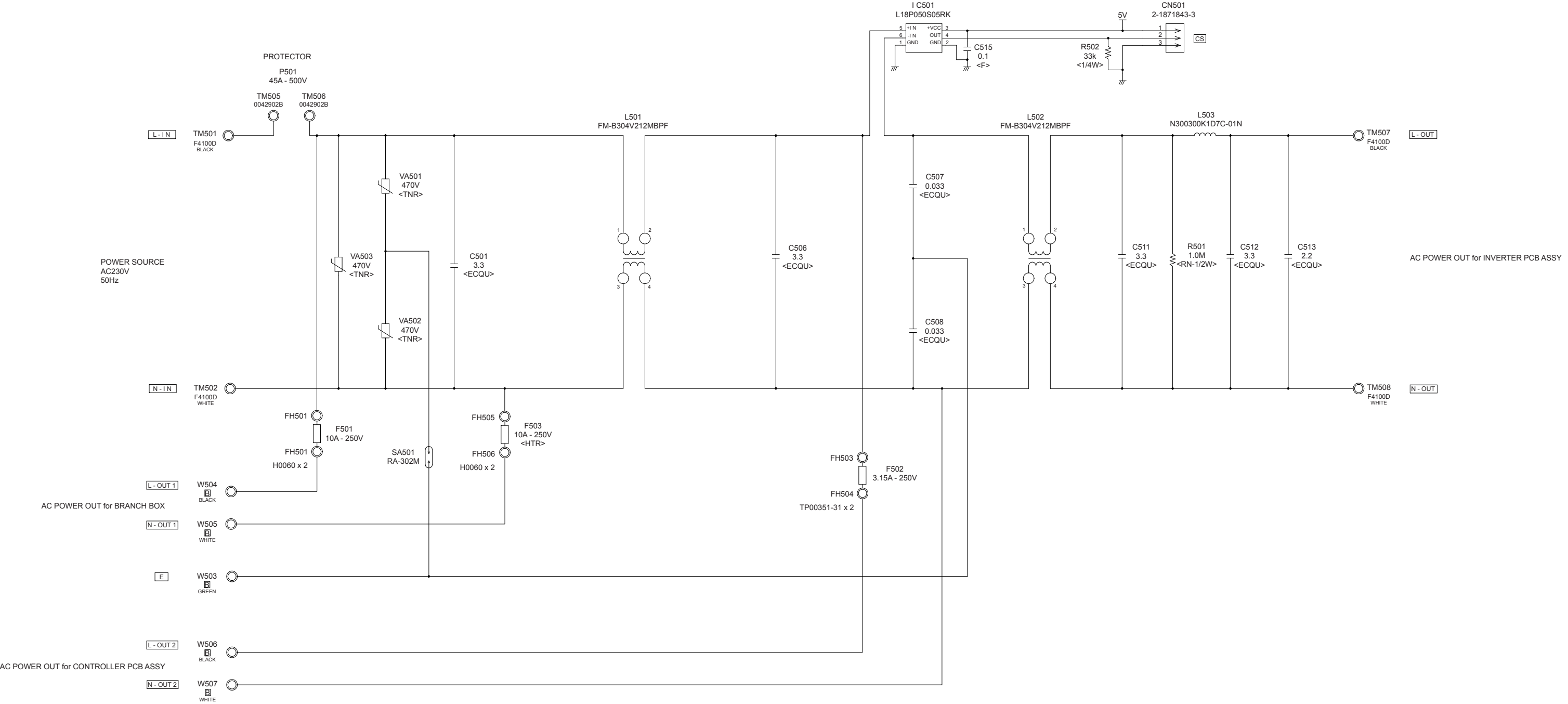
OUTDOOR UNIT
AOYG45LAT8

INVERTER PCB ASSEMBLY
K09CQ-1000HUE-TR1



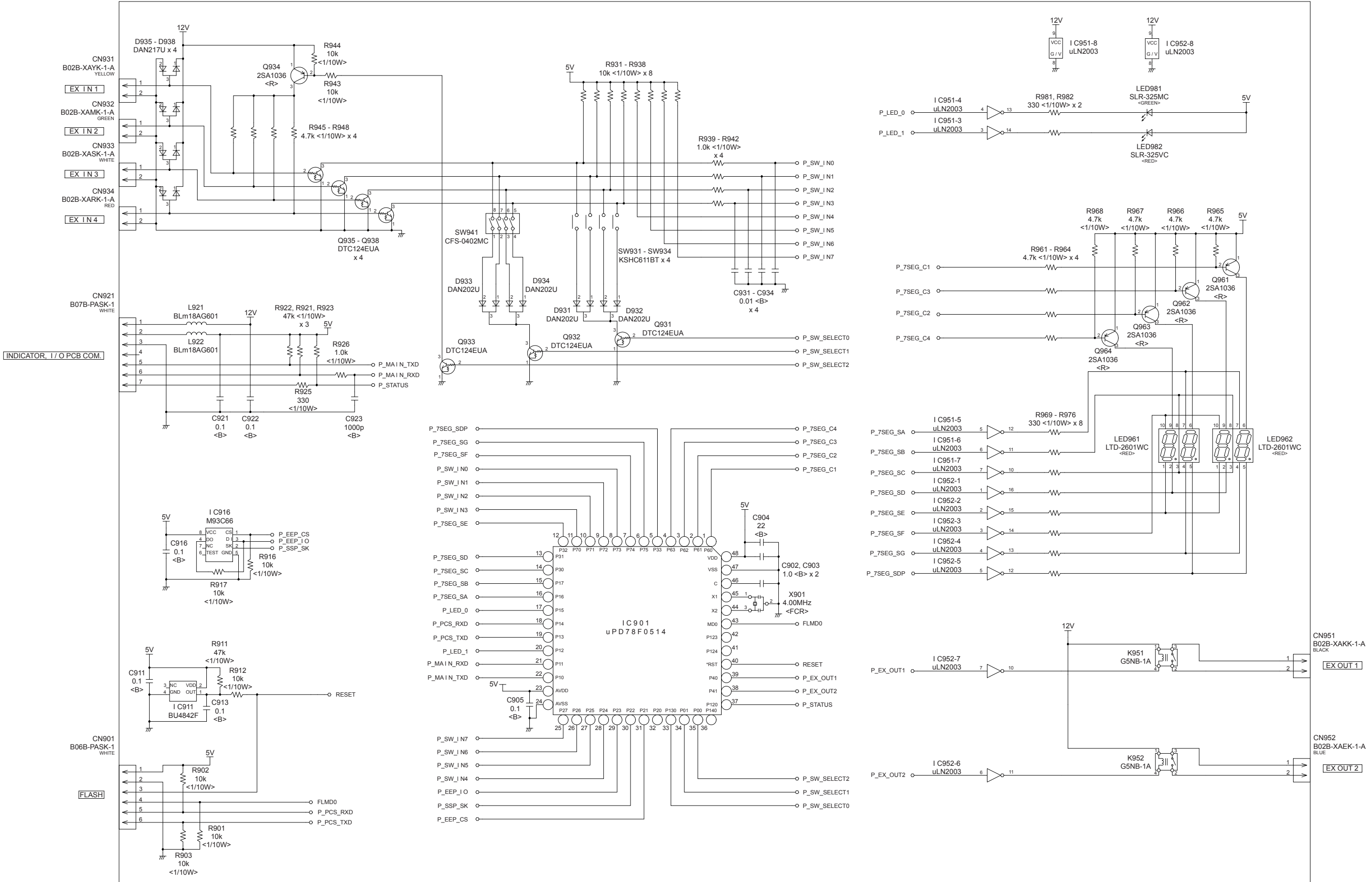
OUTDOOR UNIT
AOYG45LAT8

FILTER PCB ASSEMBLY
K09CR-1000HUE-FL0



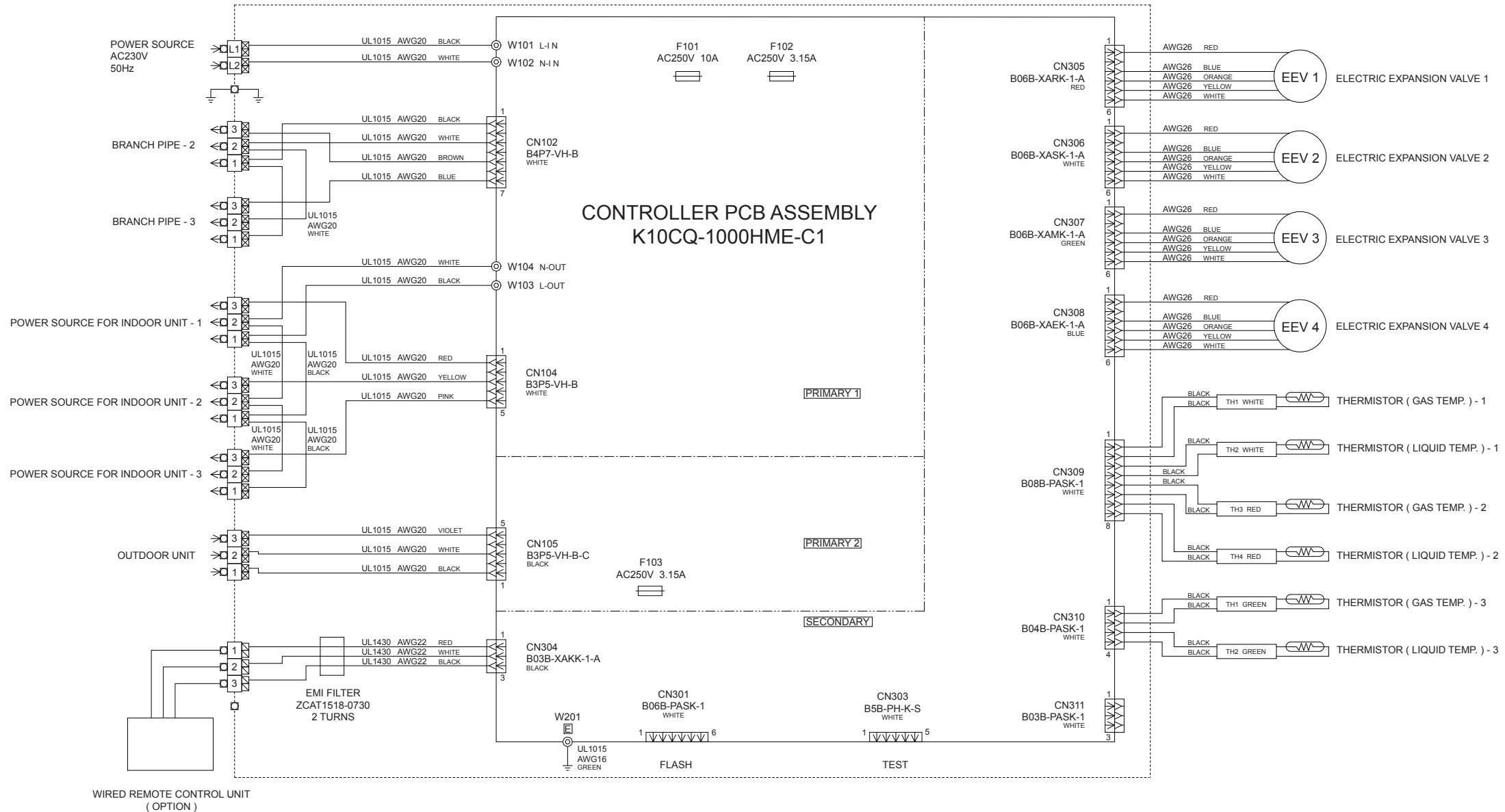
OUTDOOR UNIT
AOYG45LAT8

INDICATOR, I / O PCB ASSEMBLY
K09BI-1000HUE-C1

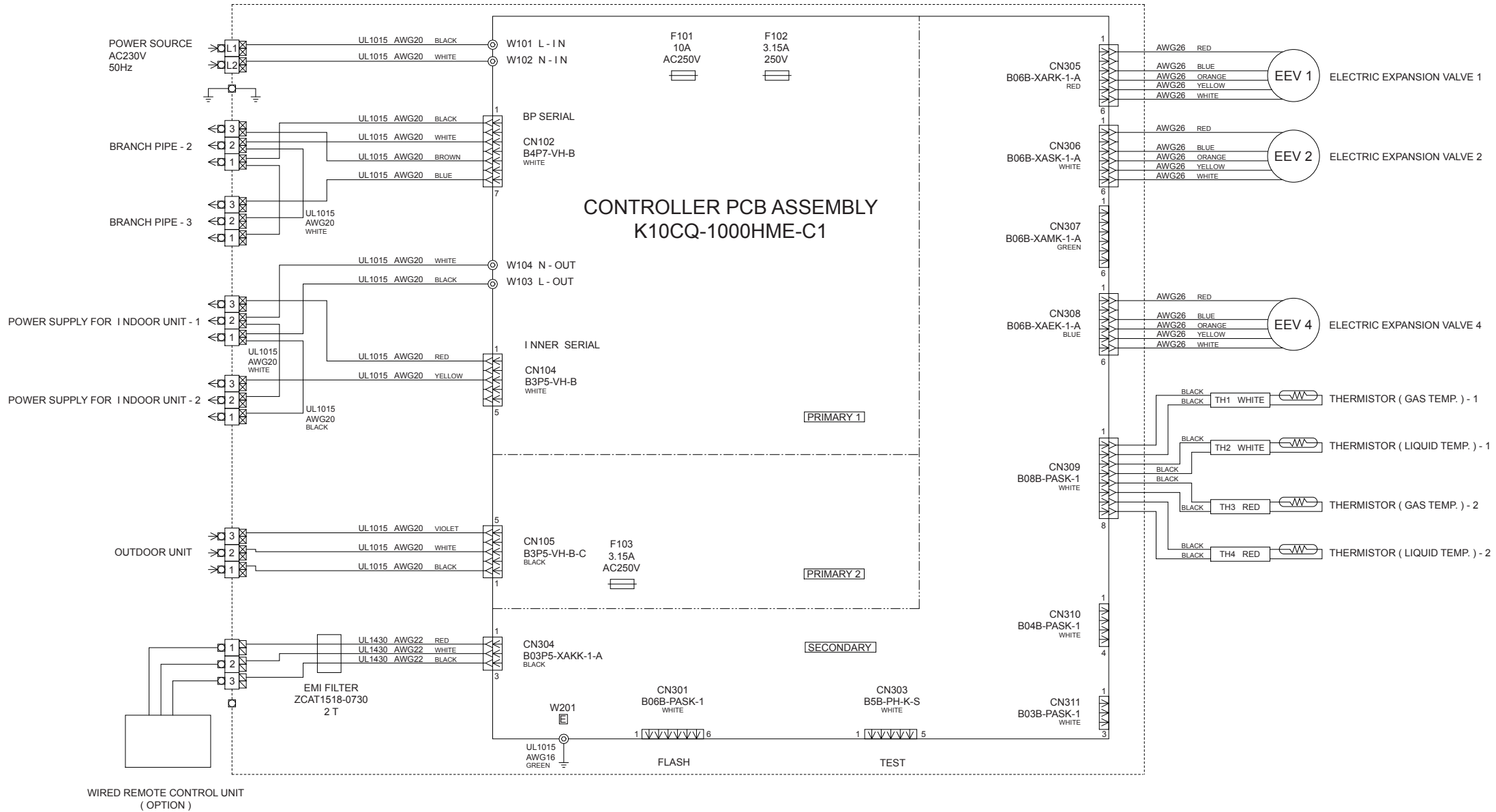


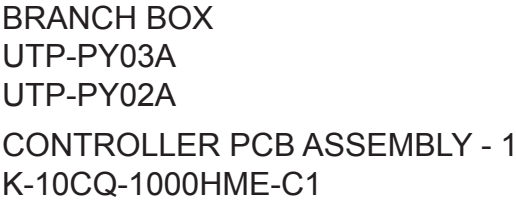
BRANCH BOX PCB CIRCUIT DIAGRAM

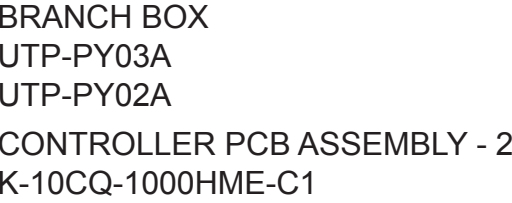
UTP-PY03A
CONTROL UNIT
EZ-0101HME



BRANCH BOX
UTP-PY02A
CONTROL UNIT
EZ-0102HME

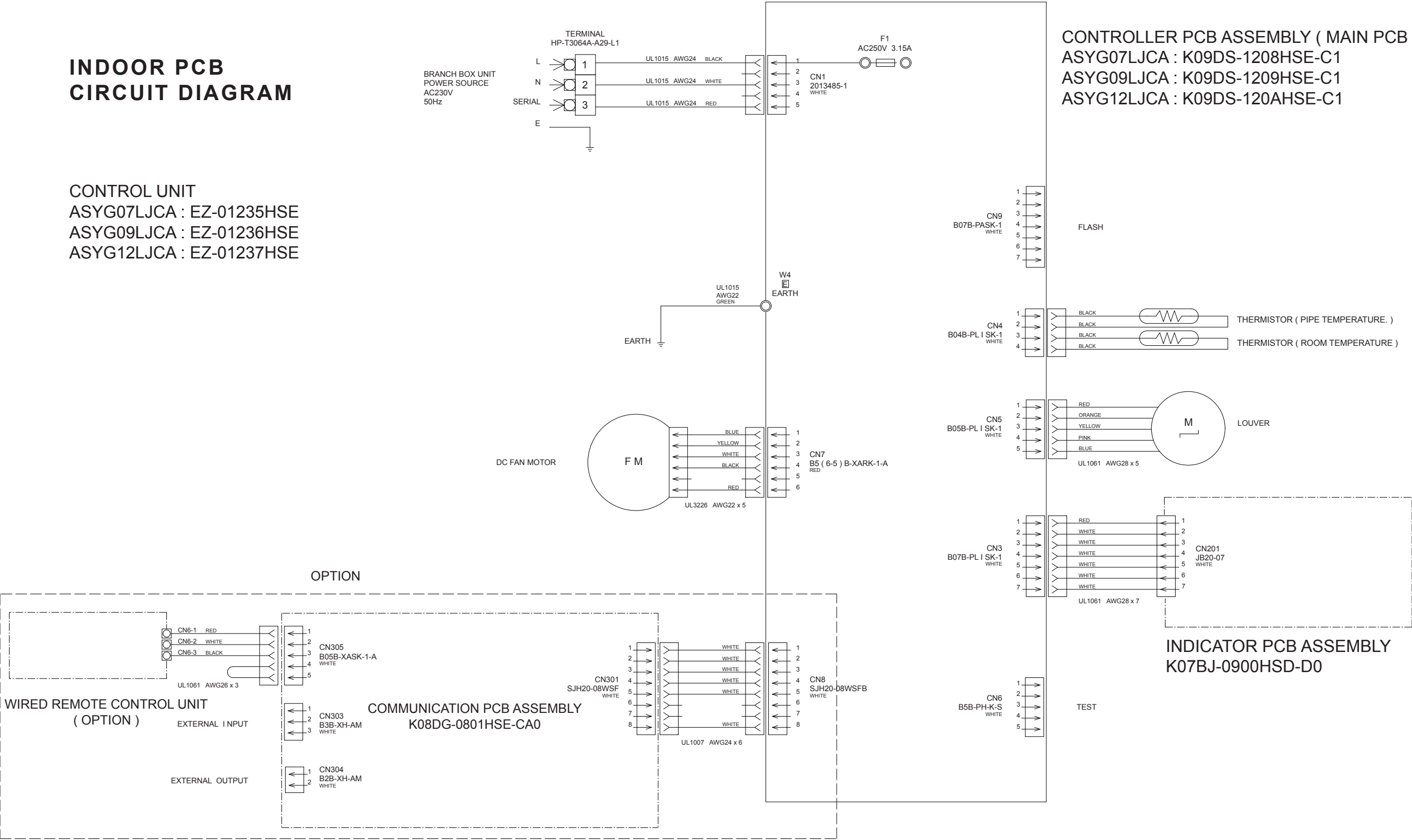




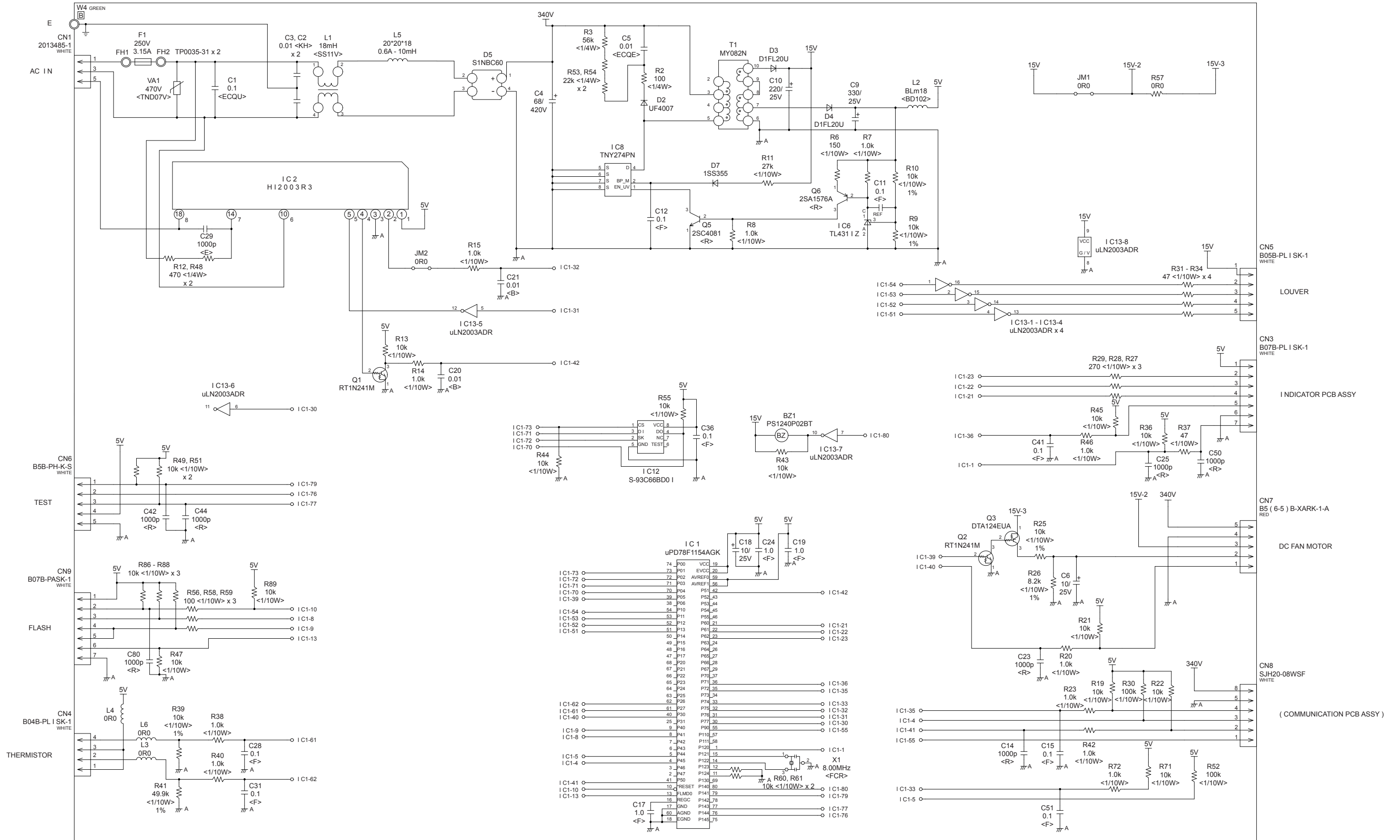


INDOOR PCB
CIRCUIT DIAGRAM

CONTROL UNIT
ASYG07LJCA : EZ-01235HSE
ASYG09LJCA : EZ-01236HSE
ASYG12LJCA : EZ-01237HSE

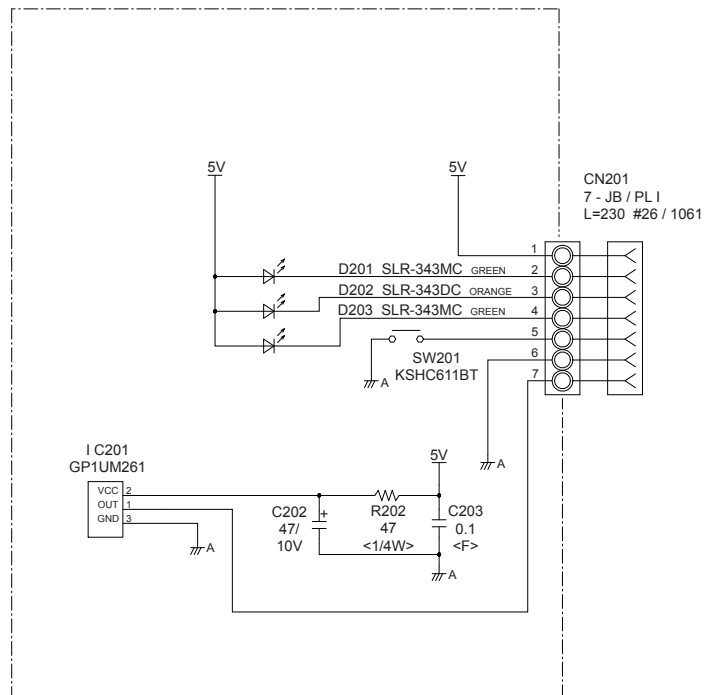


INDOOR UNIT
COMPACT WALL MOUNTED
CONTROLLER PCB ASSEMBLY (MAIN PCB)
ASYG07LJCA : K09DS-1208HSE-C1
ASYG09LJCA : K09DS-1209HSE-C1
ASYG12LJCA : K09DS-120AHSE-C1



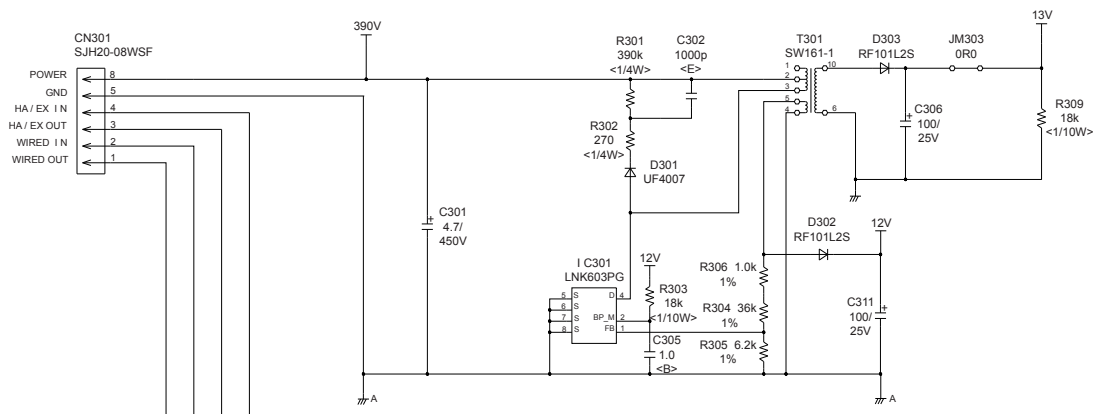
INDOOR UNIT
 COMPACT WALL MOUNTED
 ASYG07LJCA
 ASYG09LJCA
 ASYG12LJCA

INDICATOR PCB ASSEMBLY
 K07BJ-0900HSD-D0



TO CONTROLLER PCB ASSEMBLY

POWER



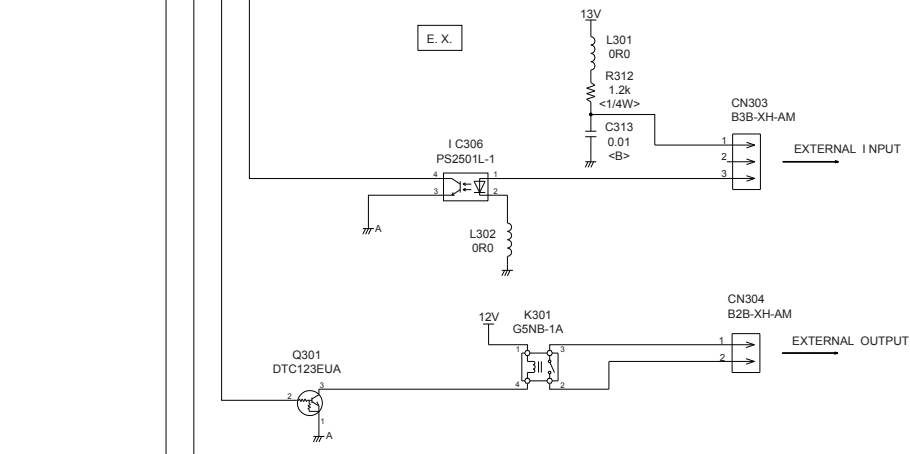
UTY-XCBXZ1

The limitation optional of ASYG07, 09 and 12LJCA

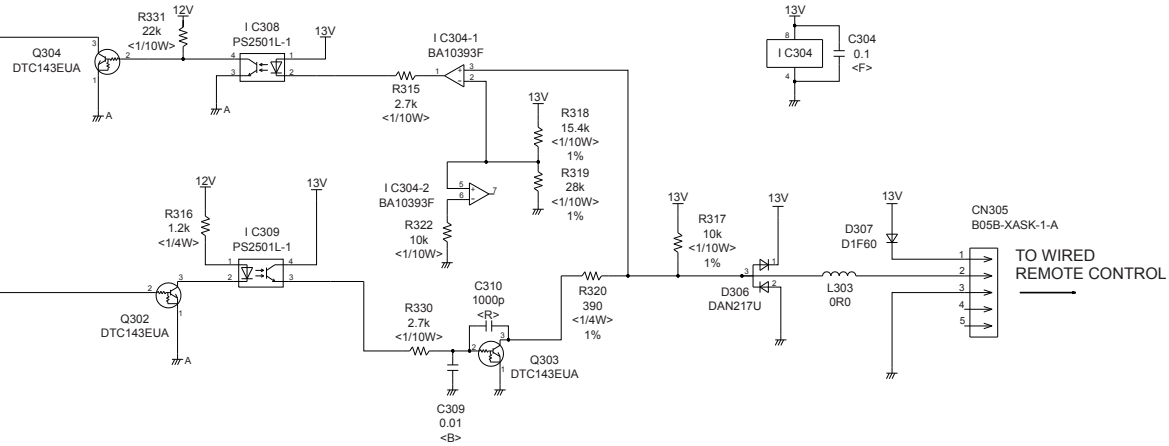
COMMUNICATION PCB ASSEMBLY

K08DG-0801HSE-CA0

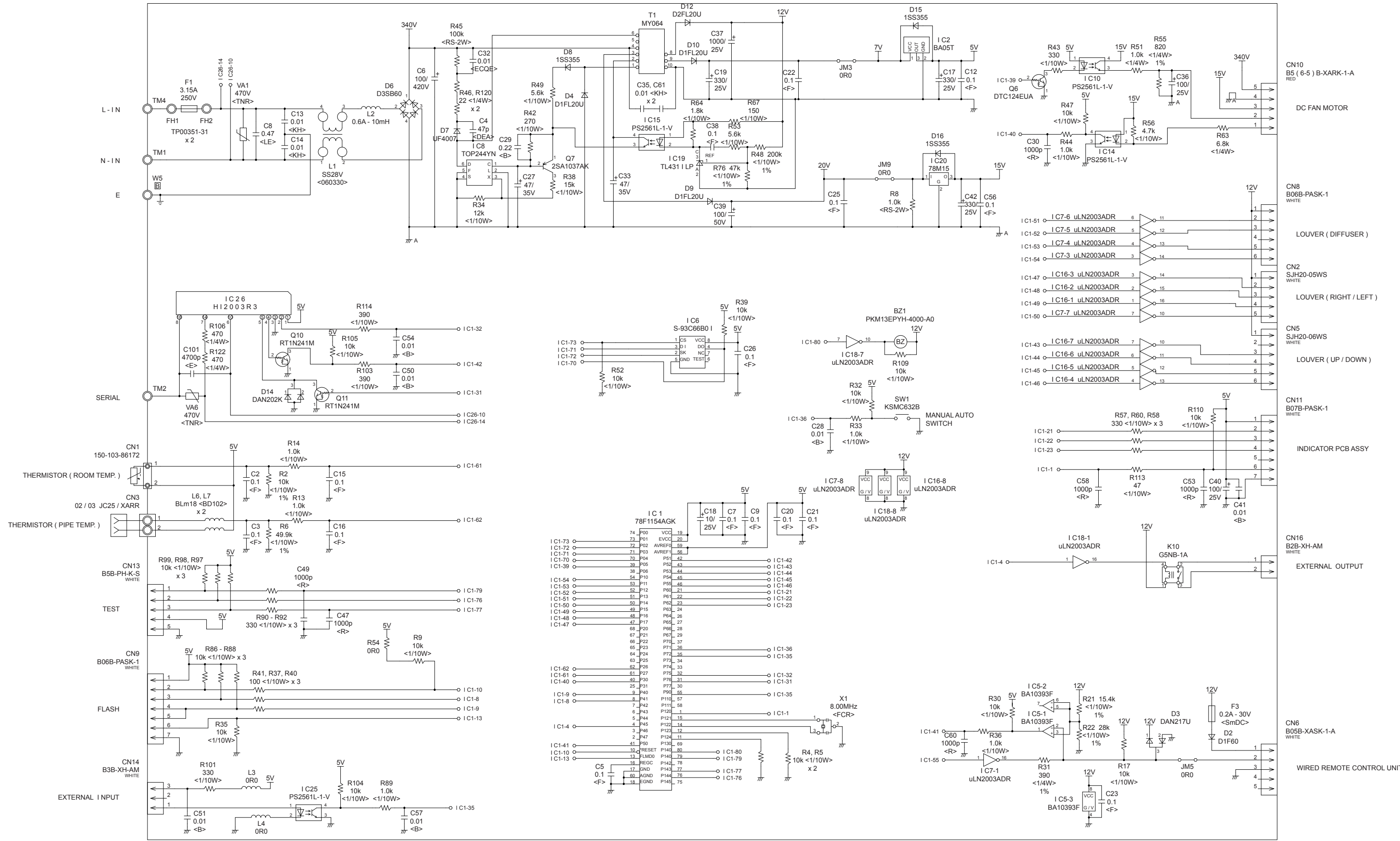
E. X.



WIRED REMOTE CONTROL UNIT

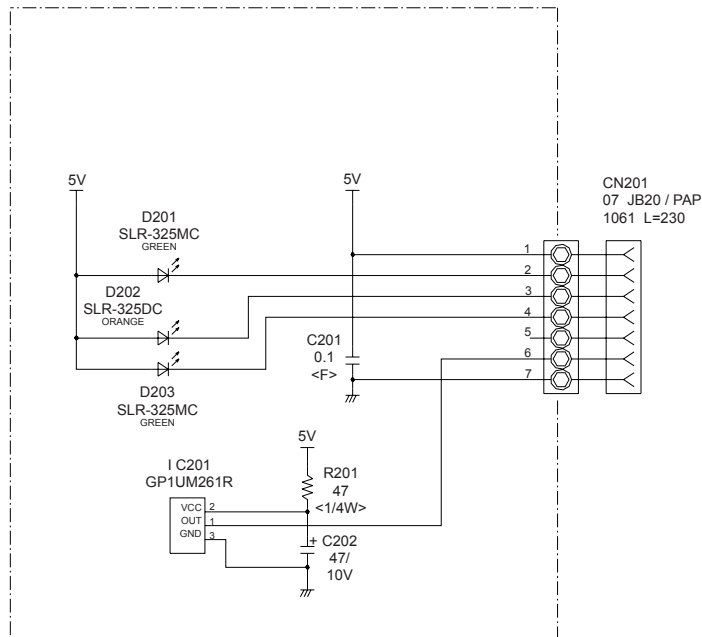


INDOOR UNIT
WALL MOUNTED
CONTROLLER PCB ASSEMBLY (MAIN PCB)
ASYG18LFCA : K09DR-1206HSE-C1
ASYG24LFCA : K09DR-1209HSE-C1

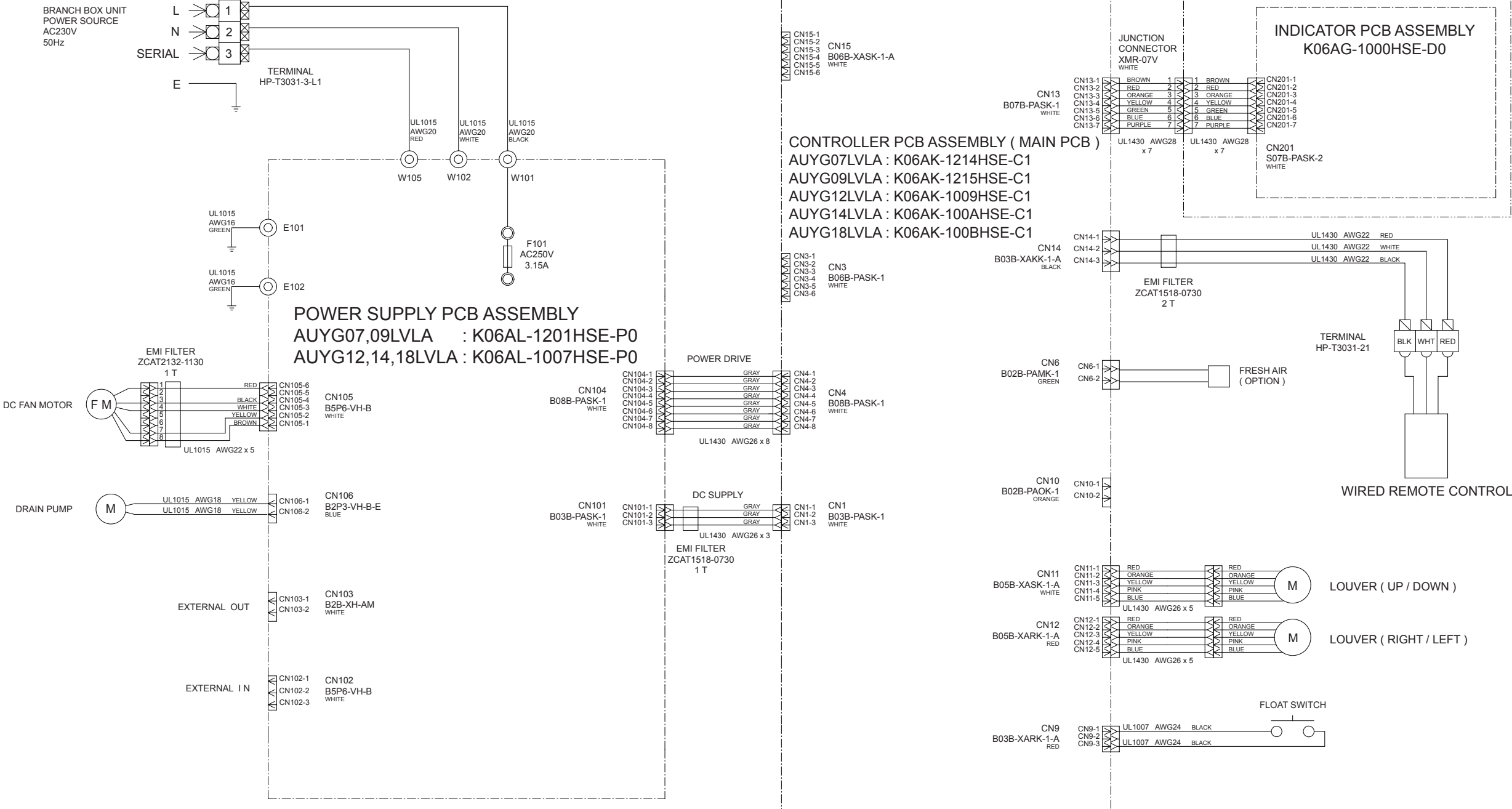


INDOOR UNIT
WALL MOUNTED
ASYG18LFCA
ASYG24LFCA

INDICATOR PCB ASSEMBLY
K05CY-0902HSE-D0

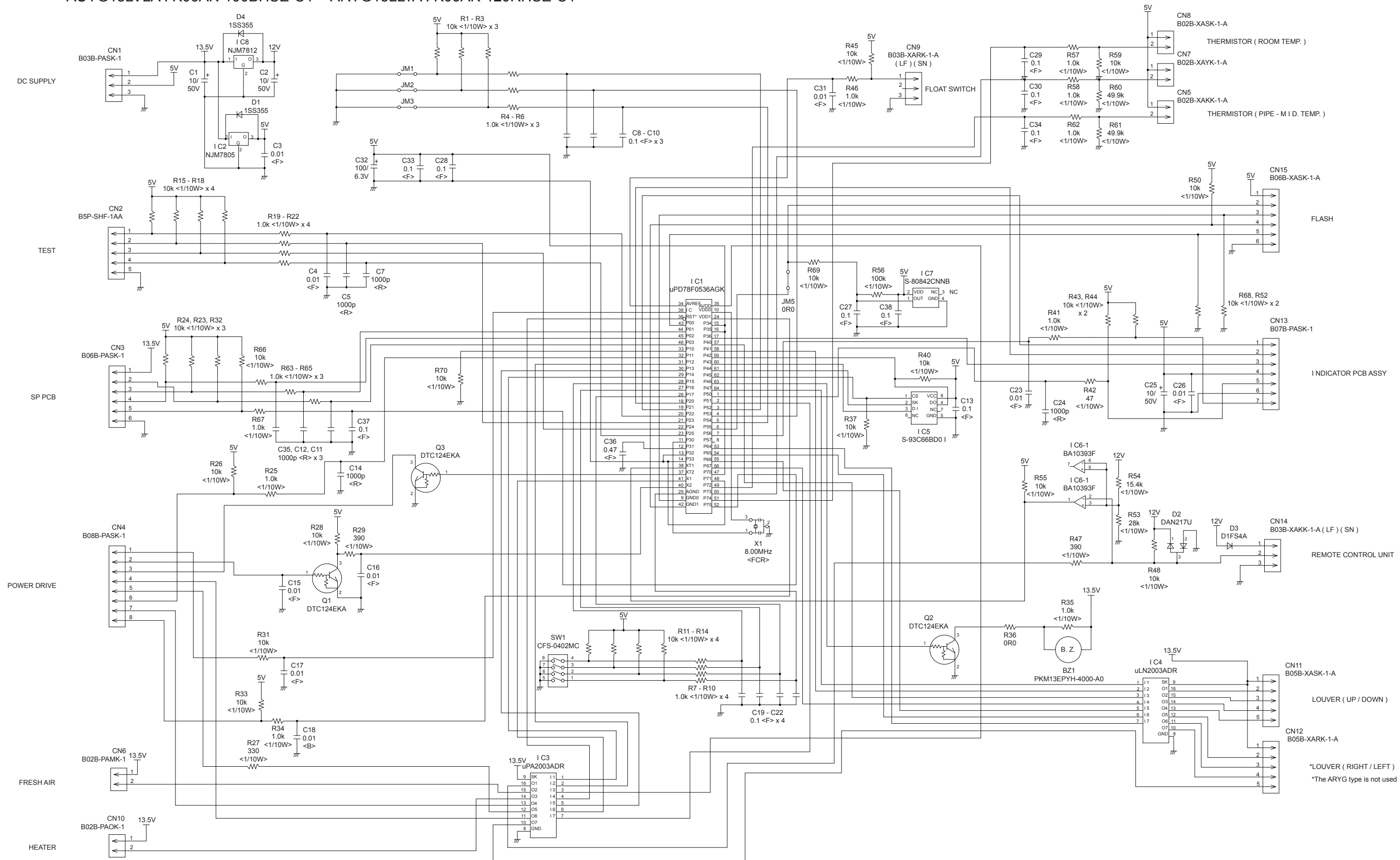


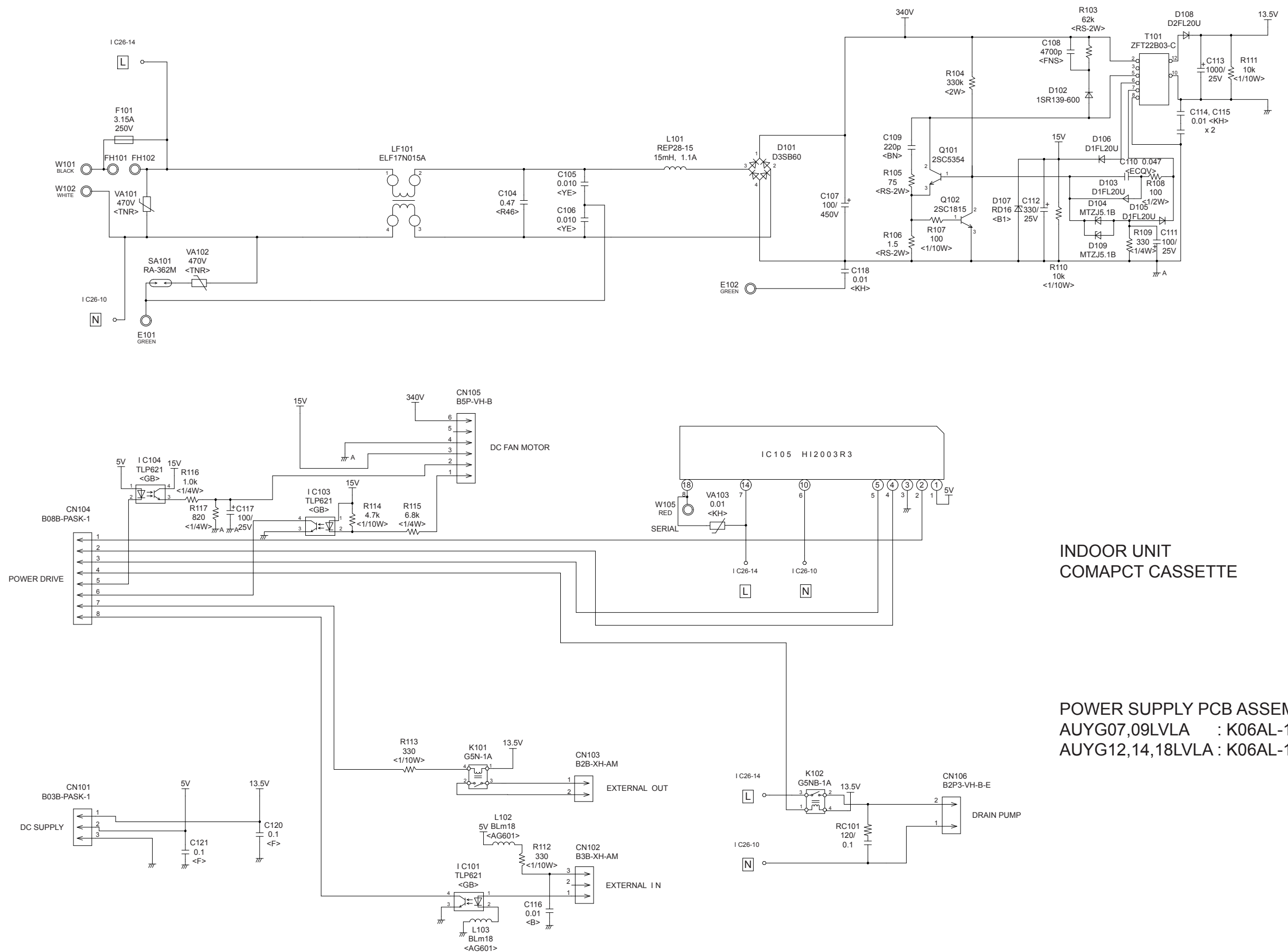
INDOOR UNIT
COMPACT CASSETTE
CONTROL UNIT
AUYG07LVLA : EZ-0122FHSE
AUYG09LVLA : EZ-0122GHSE
AUYG12LVLA : EZ-01006HSE
AUYG14LVLA : EZ-01007HSE
AUYG18LVLA : EZ-01008HSE



INDOOR UNIT
CONTROLLER PCB ASSEMBLY (MAIN PCB)

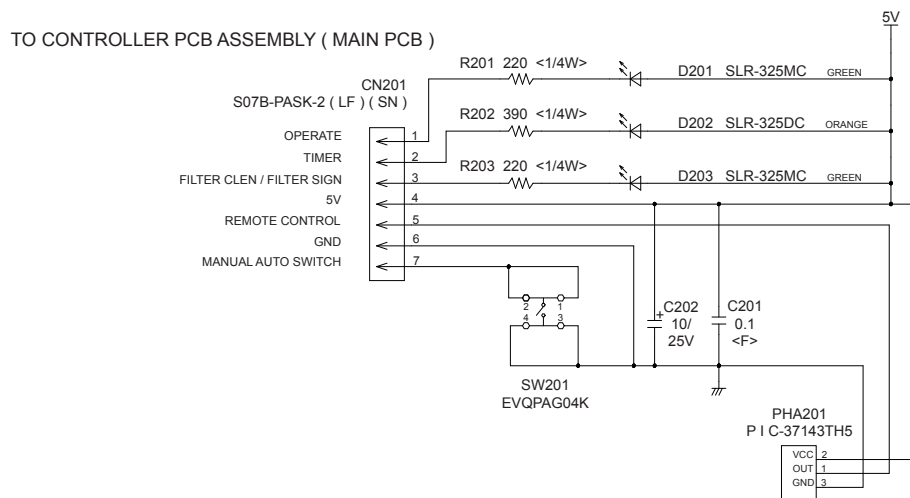
AUYG07LVLA : K06AK-1214HSE-C1 ARYG07LLTA : K06AK-120KHSE-C1 ABYG14LVTA : K06AK-120YHSE-C1
AUYG09LVLA : K06AK-1215HSE-C1 ARYG09LLTA : K06AK-120LHSE-C1 ABYG18LVTA : K06AK-100LHSE-C1
AUYG12LVLA : K06AK-1009HSE-C1 ARYG12LLTA : K06AK-120MHSE-C1
AUYG14LVLA : K06AK-100AHSE-C1 ARYG14LLTA : K06AK-120PHSE-C1
AUYG18LVLA : K06AK-100BHSE-C1 ARYG18LLTA : K06AK-120RHSE-C1



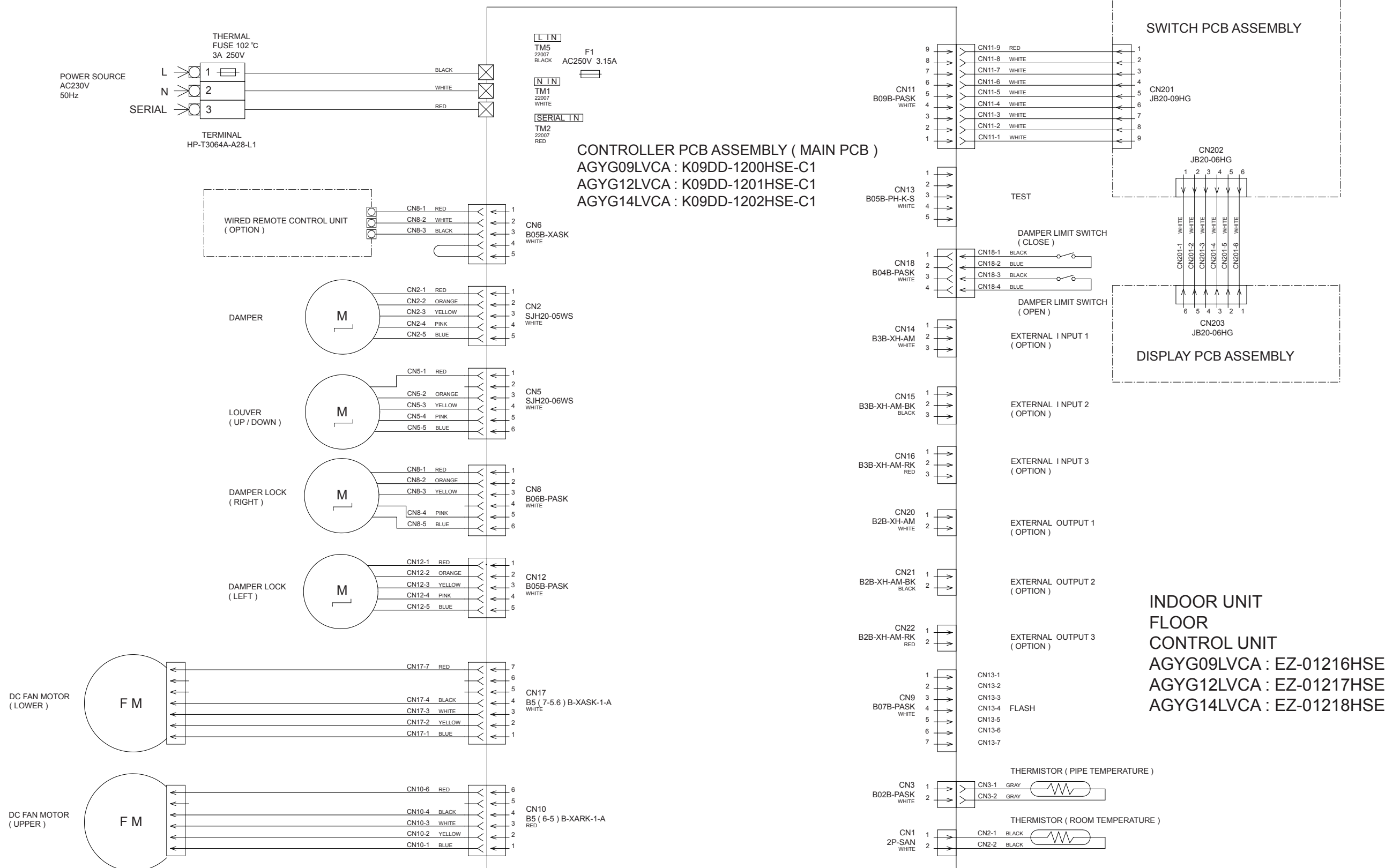


INDOOR UNIT
 COMPACT CASSETTE
 AUYG07LVLA
 AUYG09LVLA
 AUYG12LVLA
 AUYG14LVLA
 AUYG18LVLA

INDICATOR PCB ASSEMBLY (OPTION)
 K06AG-1000HSE-D0



INDICATOR PCB ASSEMBLY (SWITCH + DISPLAY)
K06DD-0801HSE-F0

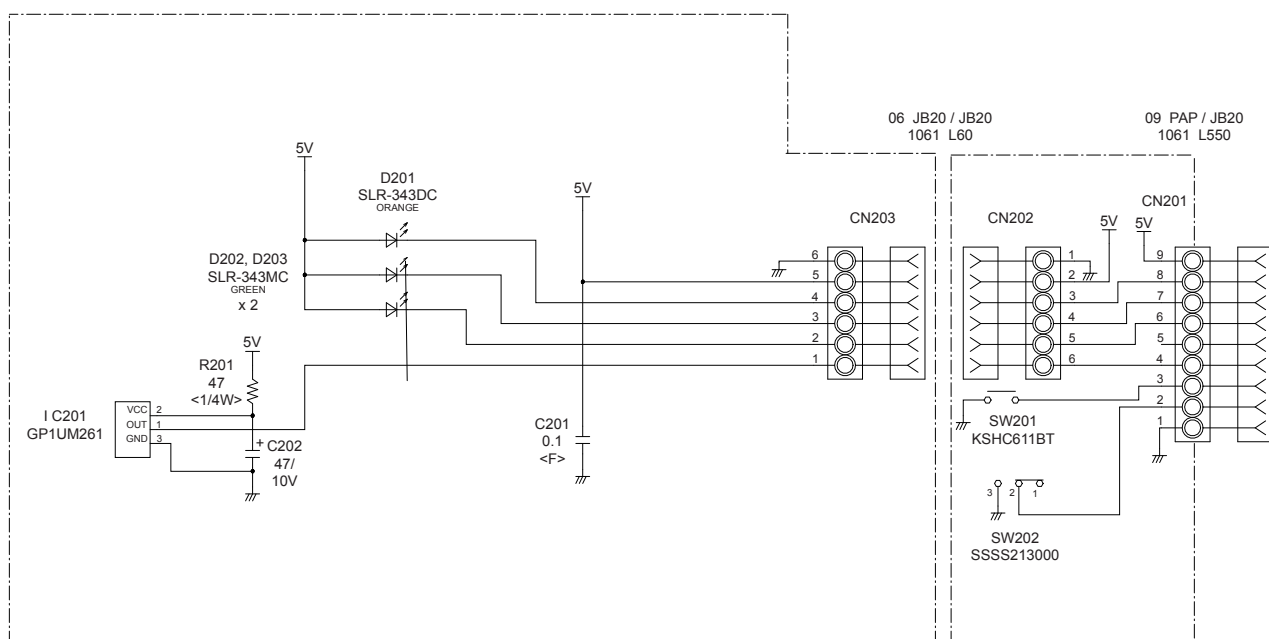


AGYG14LVCA : K09DD-1202HSE-C1

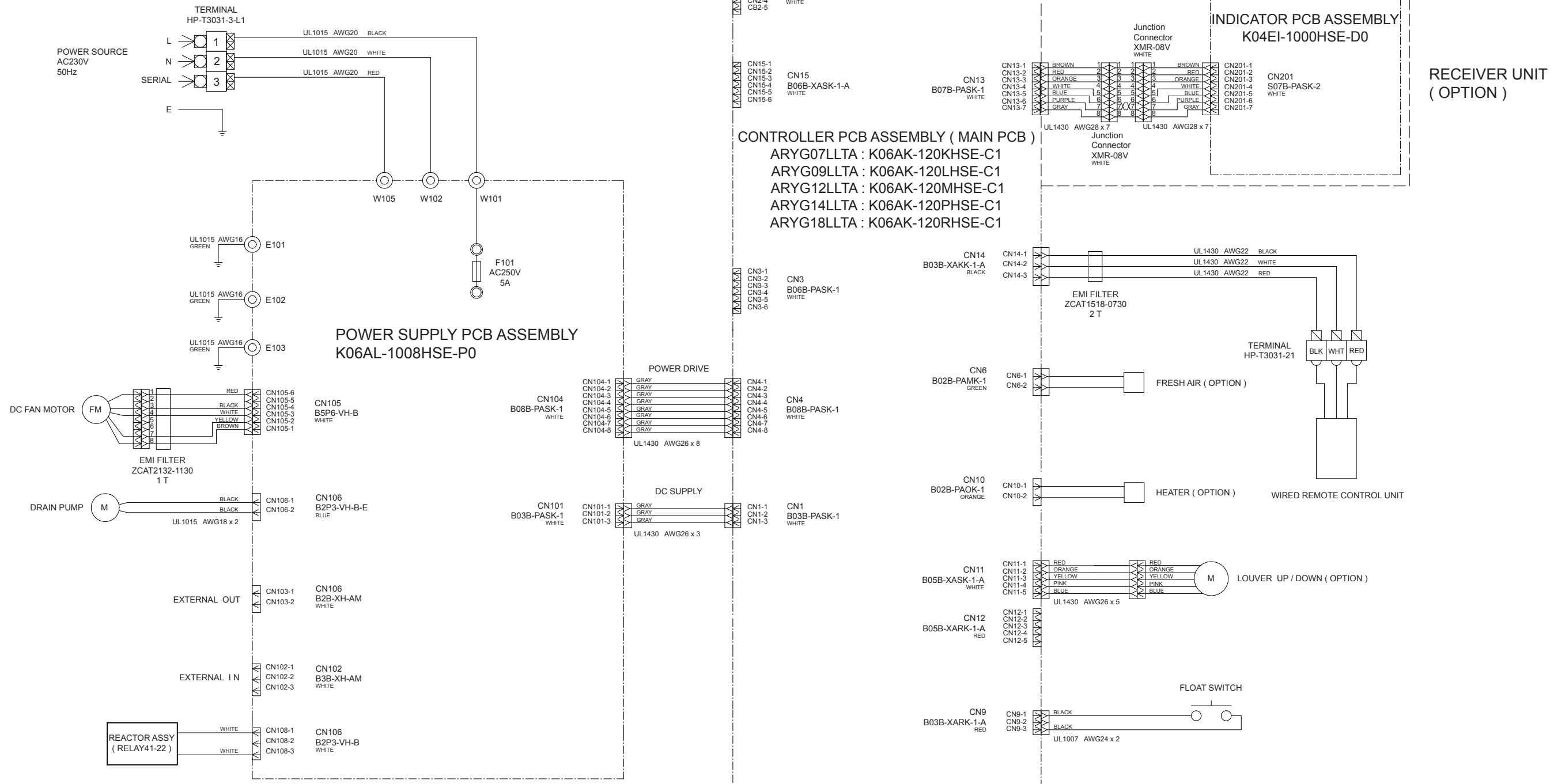


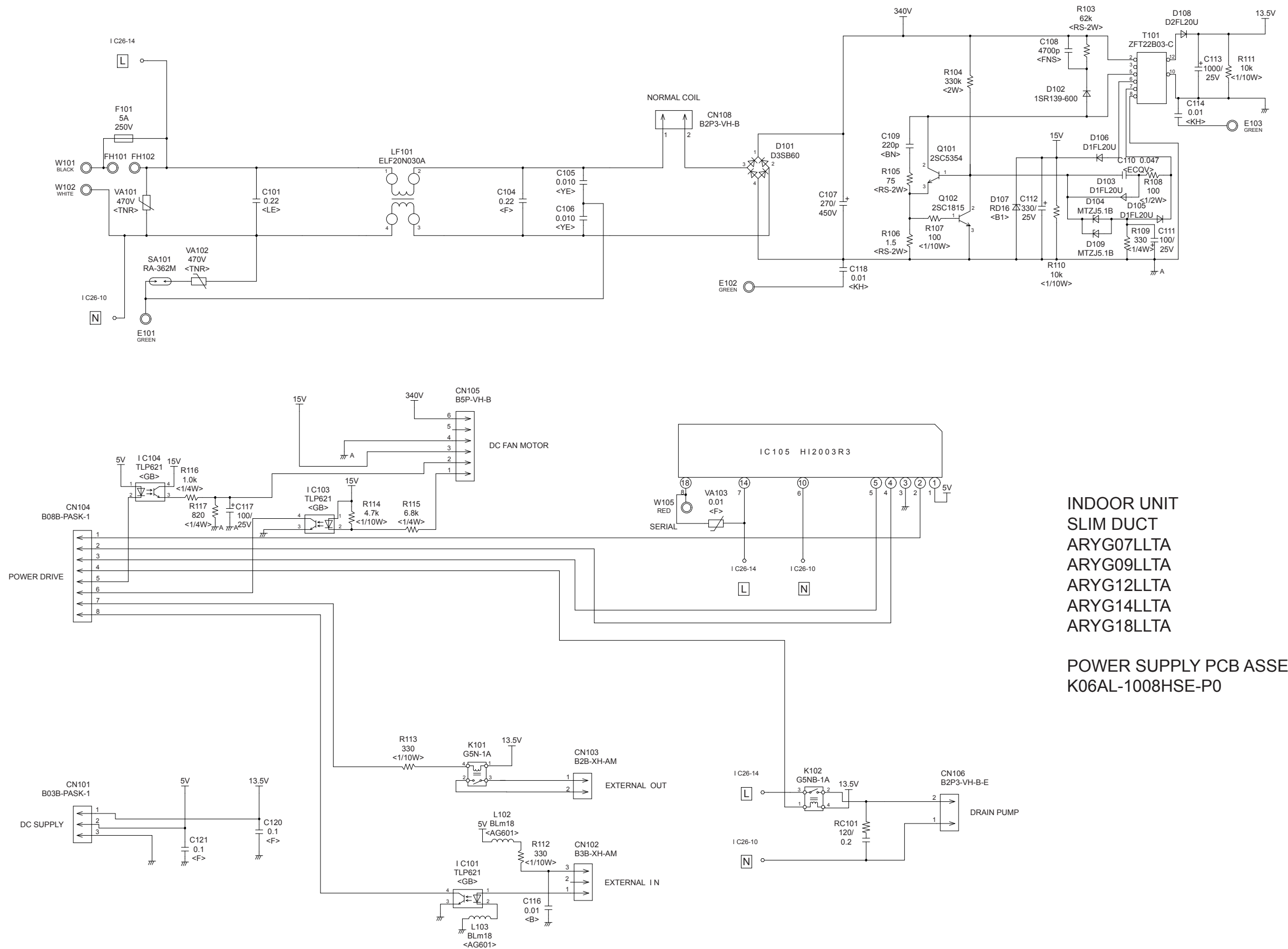
INDOOR UNIT
FLOOR
AGYG09LVCA
AGYG12LVCA
AGYG14LVCA

INDICATOR PCB ASSEMBLY
K06DD-0801HSE-F0



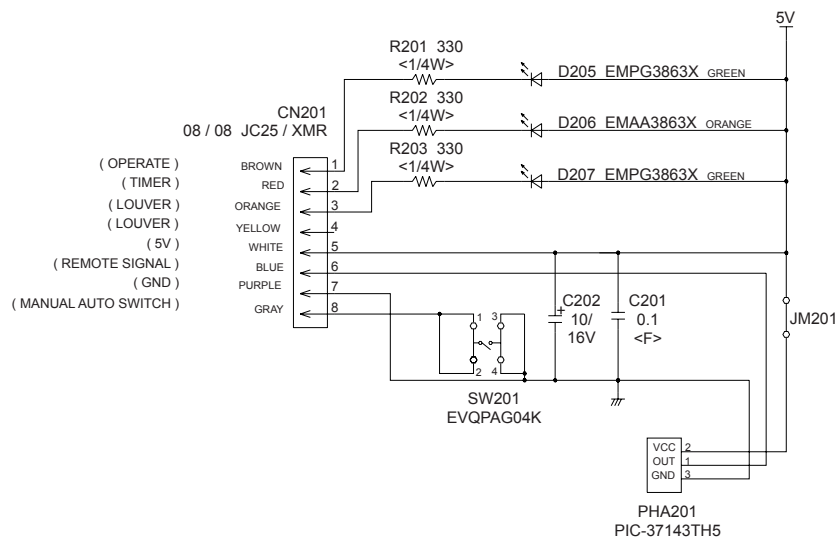
INDOOR UNIT
SLIM DUCT
CONTROL UNIT
ARYG07LLTA : EZ-01222HSE
ARYG09LLTA : EZ-01223HSE
ARYG12LLTA : EZ-01224HSE
ARYG14LLTA : EZ-01225HSE
ARYG18LLTA : EZ-01226HSE



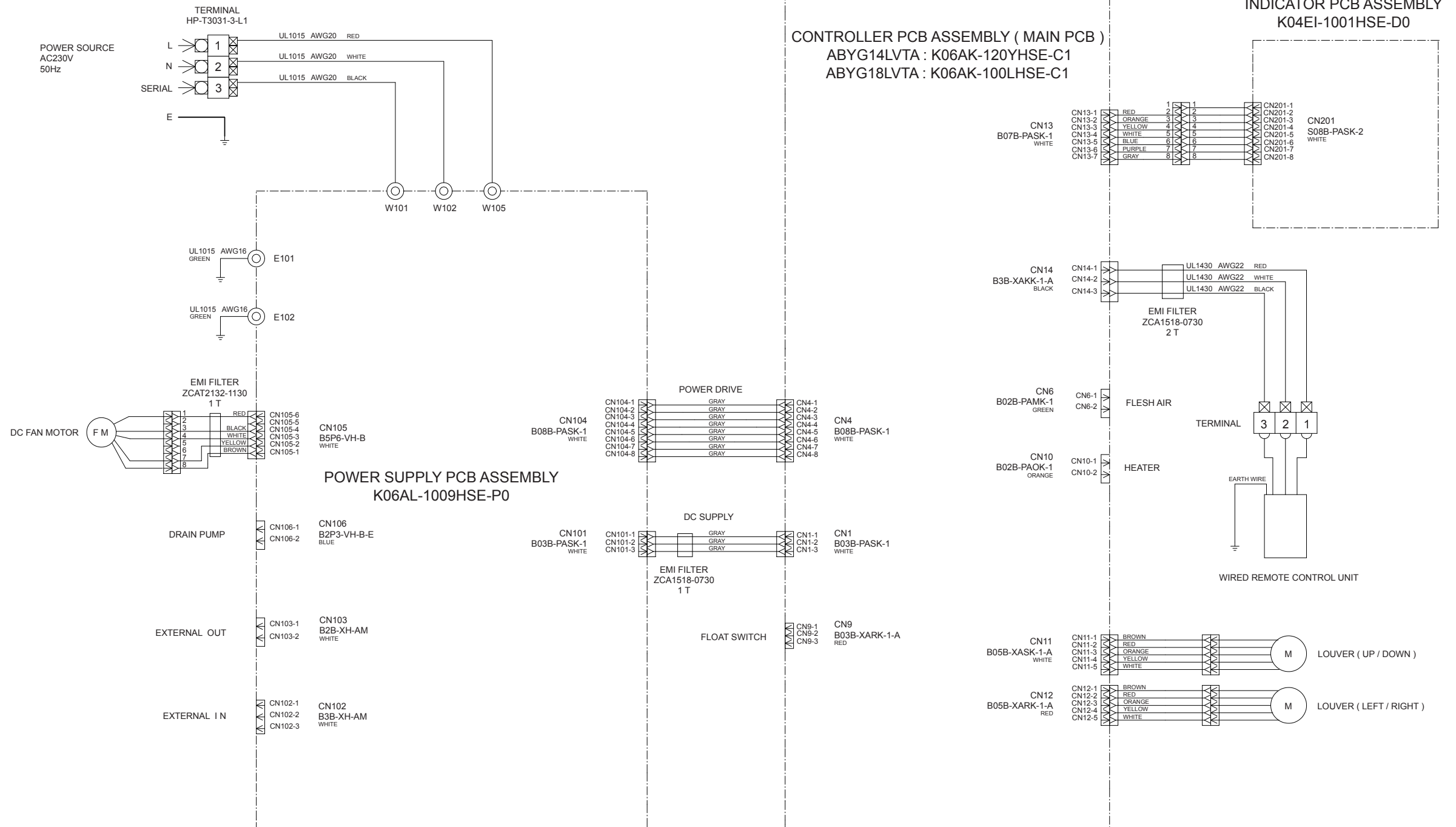


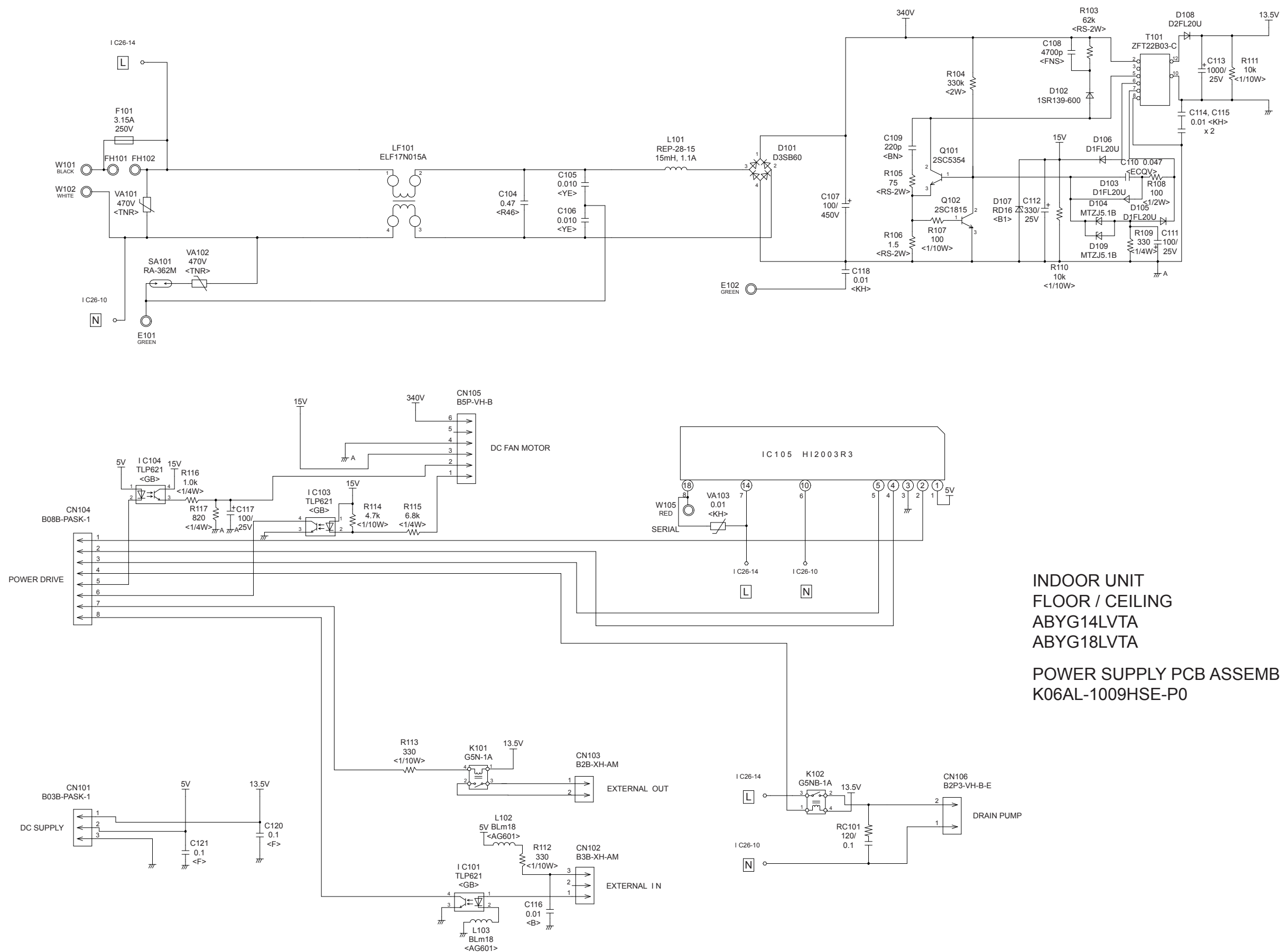
INDOOR UNIT
SLIM DUCT
ARYG07LLTA
ARYG09LLTA
ARYG12LLTA
ARYG14LLTA
ARYG18LLTA

INDICATOR PCB ASSEMBLY (OPTION)
K04EI-1000HSE-D0



INDOOR UNIT
FLOOR / CEILING
CONTROL UNIT
ABYG14LVTA : EZ-0122AHSE
ABYG18LVTA : EZ-0100GHSE





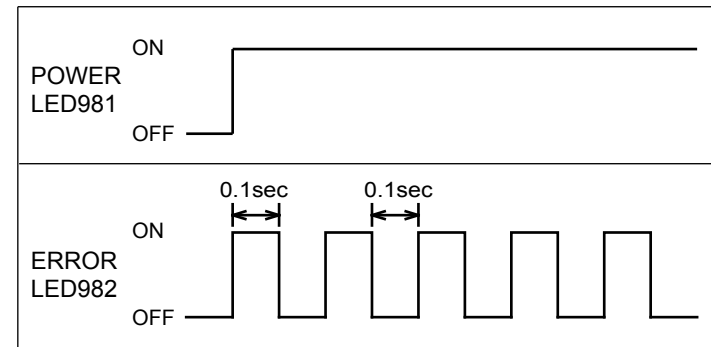
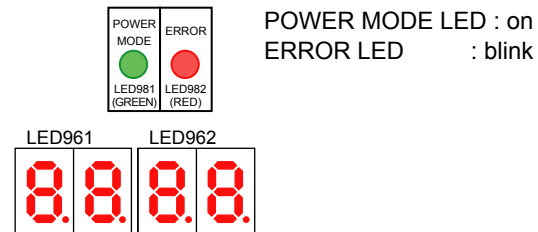
INDICATOR PCB ASSEMBLY (OPTION)
K04EI-1001HSE-D0



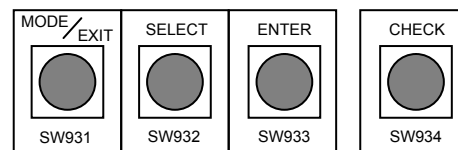
ERROR DETECTION

OUTDOOR UNIT

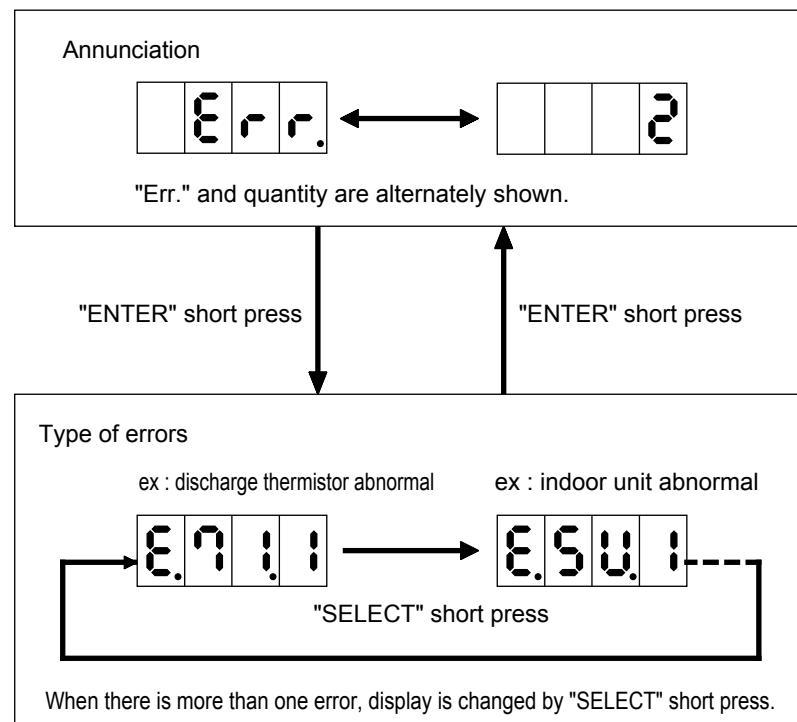
LED display



Operation button



ERROR transition



Short press : less than 3 seconds
Long press : more than 3 seconds

If some error newly occurs or is resolved during transition, it is reflected after going back to "Annunciation".

Error Code	Error Contents
E. 1 1. 3	Serial communication error
E. 1 1. 4	Serial communication error
E. 1 5. 6	Check run unfinished
E. 2 1. 2	Wiring mistake
E. 2 2. 1	Indoor unit capacity error
E. 2 4. 2	Connection unit number error (indoor unit)
E. 2 4. 3	Connection unit number error (branch unit)
E. 5 U. 1	Indoor unit error
E. 6 2. 1	Outdoor unit PCB model information error
E. 6 3. 1	Inverter error
E. 6 4. 1	Active filter error, PFC circuit error
E. 6 5. 3	Trip terminal L error
E. 6 A. 1	Display PCB communication error
E. 7 1. 1	Discharge thermistor error
E. 7 2. 1	Compressor thermistor error
E. 7 3. 3	Outdoor unit heat ex. liquid outlet thermistor error
E. 7 4. 1	Outdoor thermistor error
E. 7 5. 1	Suction gas thermistor error
E. 7 7. 1	Heat sink thermistor error
E. 8 2. 1	Sub cool heat ex. gas inlet thermistor error
E. 8 2. 2	Sub cool heat ex. gas outlet thermistor error
E. 8 3. 1	Liquid pipe thermistor error
E. 8 4. 1	Current sensor error
E. 8 6. 1	Discharge pressure sensor error
E. 8 6. 3	Suction pressure sensor error
E. 8 6. 4	High pressure switch error
E. 9 4. 1	Trip detection
E. 9 5. 1	Compressor rotor position detection error
E. 9 7. 3	Outdoor unit fan motor error
E. 9 9. 1	4-way valve error
E. A 1. 1	Discharge temperature error
E. A 3. 1	Compressor temperature error
E. A 5. 1	Low pressure error
E. J 2. U	Branch boxes error

BRANCH BOX UTP-PY03A

When an error occurs, an error description displays in the LED (No.401 - 405).

●	Lit
◎ (n)	Flashing (number of flashing)
○	Unlit

Green	Red				Comment
LED401	LED402	LED403	LED404	LED405	
●	●	●	●	●	Combination error
●	●	●	●	○	Power supply frequency error
●	●	●	○	●	
Branch box identifying display	◎(1)	○	○	○	EEPROM access error
	◎(2)	○	○	○	Model information error
	◎(3)	○	○	○	Serial communication error between Outdoor Unit and branch box
					Serial communication error between branch boxes
	◎(4)	○	○	○	Serial communication error between branch boxes
	◎(5)	●	○	○	Serial communication error between Indoor Unit A and branch box
		○	●	○	Serial communication error between Indoor Unit B and branch box
		○	○	●	Serial communication error between Indoor Unit C and branch box
	◎(6)	●	○	○	Indoor Unit A, liquid pipe thermistor error (CN309)
		○	●	○	Indoor Unit B, liquid pipe thermistor error (CN309)
		○	○	●	Indoor Unit C, liquid pipe thermistor error (CN310)
Primary unit : ◎(1)	◎(7)	●	○	○	Indoor Unit A, gas pipe thermistor error (CN309)
		○	●	○	Indoor Unit B, gas pipe thermistor error (CN309)
		○	○	●	Indoor Unit C, gas pipe thermistor error (CN310)
	◎(8)	●	○	○	Indoor Unit A, expansion valve full closure operation error (CN305)
		○	●	○	Indoor Unit B, expansion valve full closure operation error (CN306)
		○	○	●	Indoor Unit C, expansion valve full closure operation error (CN307)
	◎(9)	○	○	○	Remote control communication error
	◎(6)	●	○	○	Indoor Unit A, liquid pipe thermistor error (CN309)
		○	●	○	Indoor Unit B, liquid pipe thermistor error (CN309)
		○	○	●	Indoor Unit C, liquid pipe thermistor error (CN310)
Secondary unit1 : ◎(2)	◎(7)	●	○	○	Indoor Unit A, gas pipe thermistor error (CN309)
		○	●	○	Indoor Unit B, gas pipe thermistor error (CN309)
		○	○	●	Indoor Unit C, gas pipe thermistor error (CN310)
	◎(8)	●	○	○	Indoor Unit A, expansion valve full closure operation error (CN305)
		○	●	○	Indoor Unit B, expansion valve full closure operation error (CN306)
		○	○	●	Indoor Unit C, expansion valve full closure operation error (CN307)
	◎(9)	○	○	○	Remote control communication error
	◎(7)	●	○	○	Indoor Unit A, gas pipe thermistor error (CN309)
		○	●	○	Indoor Unit B, gas pipe thermistor error (CN309)
		○	○	●	Indoor Unit C, gas pipe thermistor error (CN310)
Secondary unit2 : ◎(3)	◎(8)	●	○	○	Indoor Unit A, expansion valve full closure operation error (CN305)
		○	●	○	Indoor Unit B, expansion valve full closure operation error (CN306)
		○	○	●	Indoor Unit C, expansion valve full closure operation error (CN307)
	◎(9)	○	○	○	Remote control communication error

BRANCH BOX UTP-PY02A

When an error occurs, an error description displays in the LED (No.401 - 405).

●	Lit
◎ (n)	Flashing (number of flashing)
○	Unlit

Green	Red				Comment
LED401	LED402	LED403	LED404	LED405	
●	●	●	●	●	Combination error
●	●	●	●	○	Power supply frequency error
●	●	●	○	●	
Branch box identifying display	◎(1)	○	○	○	EEPROM access error
	◎(3)	○	○	○	Serial communication error between Outdoor Unit and branch box
					Serial communication error between branch boxes
Primary unit : ◎(1)	◎(4)	○	○	○	Serial communication error between branch boxes
	◎(5)	●	○	○	Serial communication error between Indoor Unit A and branch box
		○	●	○	Serial communication error between Indoor Unit B and branch box
Secondary unit1 : ◎(2)	◎(6)	●	○	○	Indoor Unit A, liquid pipe thermistor error (CN309)
		○	●	○	Indoor Unit B, liquid pipe thermistor error (CN309)
	◎(7)	●	○	○	Indoor Unit A, gas pipe thermistor error (CN309)
○		●	○	Indoor Unit B, gas pipe thermistor error (CN309)	
Secondary unit2 : ◎(3)	◎(8)	●	○	○	Indoor Unit A, expansion valve full closure operation error (CN305)
		○	●	○	Indoor Unit B, expansion valve full closure operation error (CN306)
	◎(9)	○	○	○	Remote control communication error

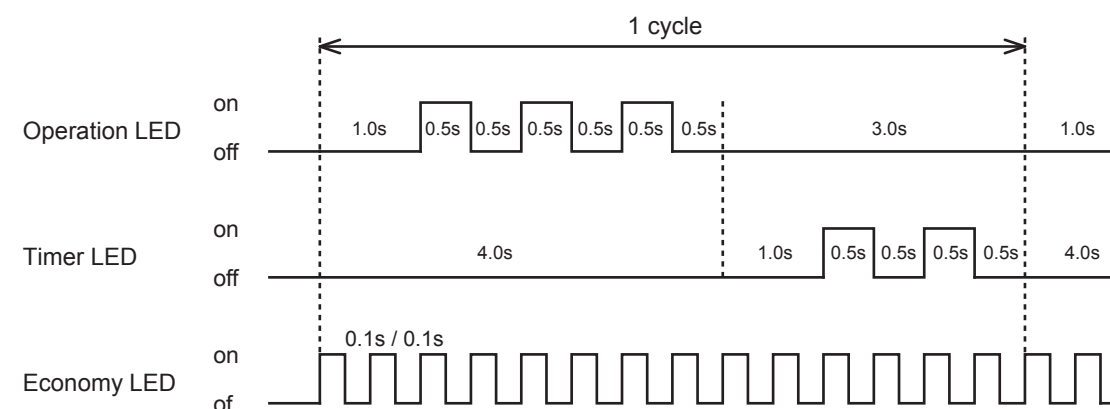
INDOOR UNIT

Error Contents	Operation LED	Timer LED	Economy LED
Serial Communication Error	1 times flash	1 times flash	Continuous flash
Wired Remote Controller Communication Error	1 times flash	2 times flash	Continuous flash
Check Run Unfinished	1 times flash	5 times flash	Continuous flash
Number of Wires and Pipes Error	2 times flash	1 times flash	Continuous flash
Indoor Unit Capacity Error	2 times flash	2 times flash	Continuous flash
Connected Combination Error	2 times flash	3 times flash	Continuous flash
Number of Indoor Units Error Number of Branch boxes Error	2 times flash	4 times flash	Continuous flash
Indoor Unit Model Information Error EEPROM Access Abnormal	3 times flash	2 times flash	Continuous flash
Manual Auto Switch Error	3 times flash	5 times flash	Continuous flash
Indoor Room Thermistor Error	4 times flash	1 times flash	Continuous flash
Indoor Heat Ex. Thermistor Error	4 times flash	2 times flash	Continuous flash
Indoor Unit Fan Motor Error	5 times flash	1 times flash	Continuous flash
Drainage Error	5 times flash	3 times flash	Continuous flash
Outdoor Unit Model Information Error	6 times flash	2 times flash	Continuous flash
Inverter Error	6 times flash	3 times flash	Continuous flash
A. F. Voltage Error	6 times flash	4 times flash	Continuous flash
I.P.M. Error	6 times flash	5 times flash	Continuous flash
Display P.C.B. Communication Error	6 times flash	10 times flash	Continuous flash
Discharge Thermistor Error	7 times flash	1 times flash	Continuous flash
Compressor Thermistor Error	7 times flash	2 times flash	Continuous flash
Heat Ex. Liquid Outlet Thermistor Error	7 times flash	3 times flash	Continuous flash
Outdoor Thermistor Error	7 times flash	4 times flash	Continuous flash
Suction Gas Thermistor Error	7 times flash	5 times flash	Continuous flash
Heat Sink Thermistor Error	7 times flash	7 times flash	Continuous flash

Error Contents	Operation LED	Timer LED	Economy LED
Sub-Cool Heat Ex.Gas Inlet Thermistor Error Sub-Cool Heat Ex.Gas Outlet Thermistor Error	8 times flash	2 times flash	Continuous flash
Liquid Pipe Thermistor Error	8 times flash	3 times flash	Continuous flash
Current Sensor Error	8 times flash	4 times flash	Continuous flash
Discharge Pressure Sensor Error Suction Pressure Sensor Error High Pressure Switch Error	8 times flash	6 times flash	Continuous flash
Over Current Error	9 times flash	4 times flash	Continuous flash
Compressor Control Error	9 times flash	5 times flash	Continuous flash
Outdoor Unit Fan Motor Error	9 times flash	7 times flash	Continuous flash
4 Way Valve Error	9 times flash	9 times flash	Continuous flash
Discharge Temp. Error	10 times flash	1 times flash	Continuous flash
Compressor Temp. Error	10 times flash	3 times flash	Continuous flash
Low Pressure Error	10 times flash	5 times flash	Continuous flash
Branch Boxes Error	13 times flash	2 times flash	Continuous flash

Flashing pattern example

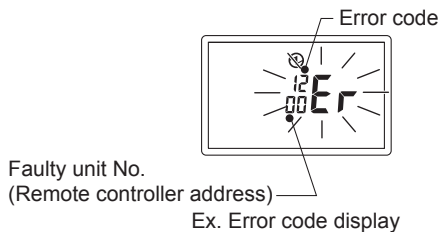
Indoor unit main PCB error
(Operation LED : 3 times, Timer LED : 2 times)



REMOTE CONTROL

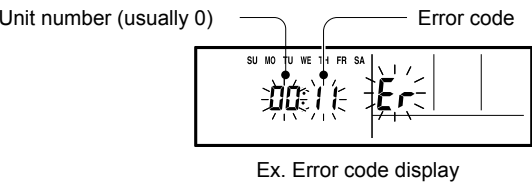
SIMPLE REMOTE CONTROLLER

If an error occurs, the following display will be shown.
("Er" will appear in the set room temperature display.)
If "Er" is displayed, immediately contact authorized service personnel.



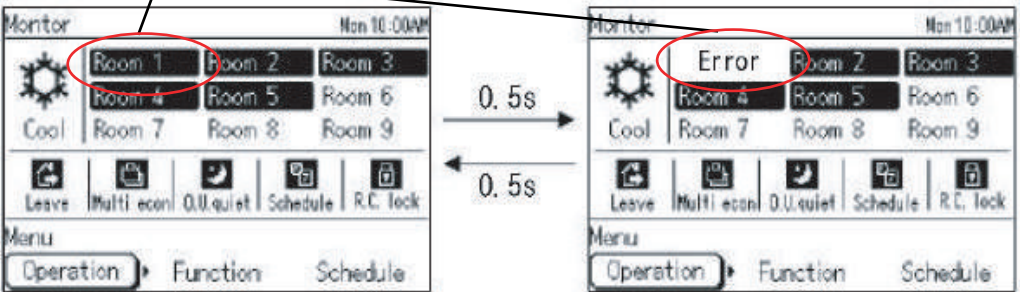
WIRED REMOTE CONTROLLER

If an error occurs, the following display will be shown.
("Er" will appear in the set room temperature display.)
If "Er" is displayed, immediately contact authorized service personnel.



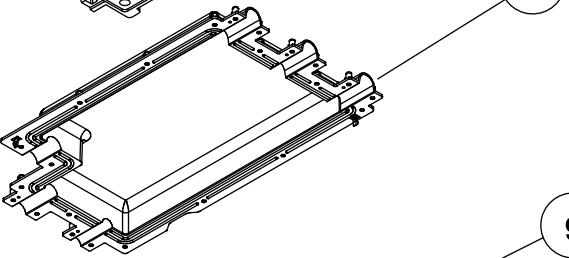
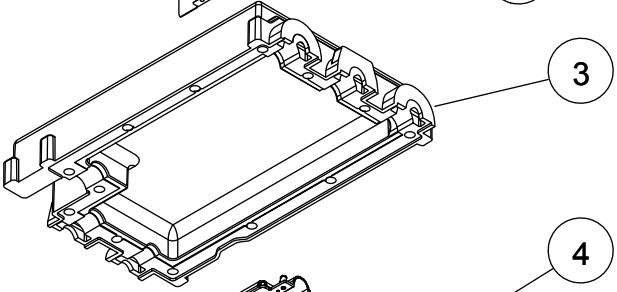
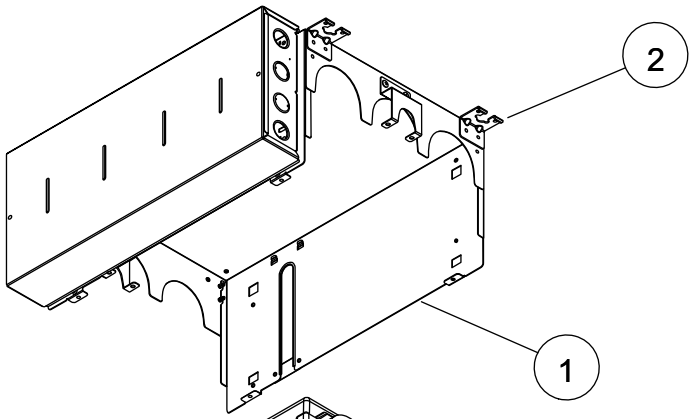
CENTRAL REMOTE CONTROLLER

To show which indoor unit is the error displayed.
indoor unit's name and "ERROR" are alternately shown.
(0.5s indoor unit's name / 0.5s "ERROR")

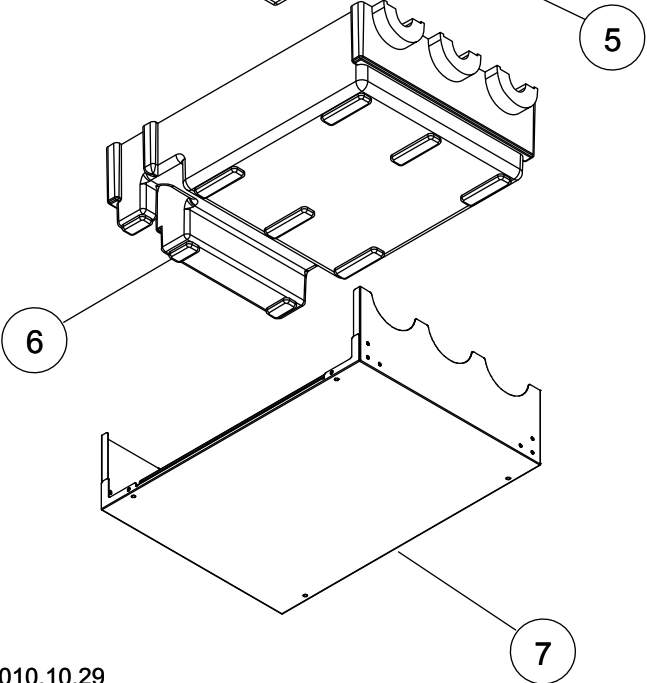
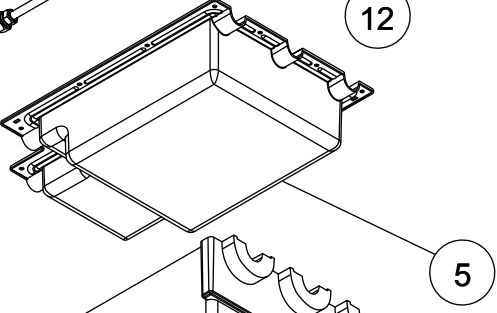
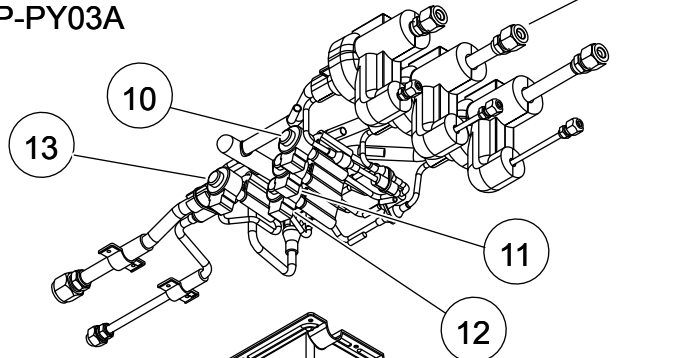


Error Code	Error Contents
1 1	Serial Communication Error
1 2	Wired Remote Controller Communication Error
1 5	Chech Run Unfinished
2 1	Number of Wires and Pipes Error
2 2	Indoor Unit Capacity Error
2 3	Connected Combination Error
2 4	Number of Indoor Units Error Number of Branch boxes Error
3 2	Indoor Unit Model Information Error EEPROM Access Abnormal
3 5	Manual Auto Switch Error
4 1	Indoor Room Thermistor Error
4 2	Indoor Heat Ex. Thermistor Error
5 1	Indoor Unit Fan Motor Error
5 3	Drainage Error
6 2	Outdoor Unit Model Information Error
6 3	Inverter Error
6 4	A. F. Voltage Error
6 5	I.P.M. Error
6 A	Display P.C.B. Communication Error
7 1	Discharge Thermistor Error
7 2	Compressor Thermistor Error
7 3	Heat Ex. Liquid Outlet Thermistor Error
7 4	Outdoor Thermistor Error
7 5	Suction Gas Thermistor Error
7 7	Heat Sink Thermistor Error

Error Code	Error Contents
8 2	Sub-Cool Heat Ex.Gas Inlet Thermistor Error Sub-Cool Heat Ex.Gas Outlet Thermistor Error
8 3	Liquid Pipe Thermistor Error
8 4	Current Sensor Error
8 6	Discharge Pressure Sensor Error Suction Pressure Sensor Error High Pressure Switch Error
9 4	Over Current Error
9 5	Compressor Control Error
9 7	Outdoor Unit Fan Motor Error
9 9	4 Way Valve Error
A 1	Discharge Temp. Error
A 3	Compressor Temp. Error
A 5	Low Pressure Error
J 2	Branch Boxes Error



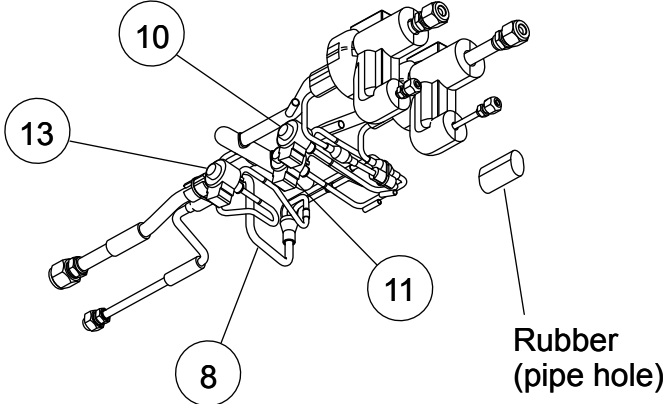
UTP-PY03A



PARTS

BRANCH BOX
UTP-PY02A (2 branch)
UTP-PY03A (3 branch)

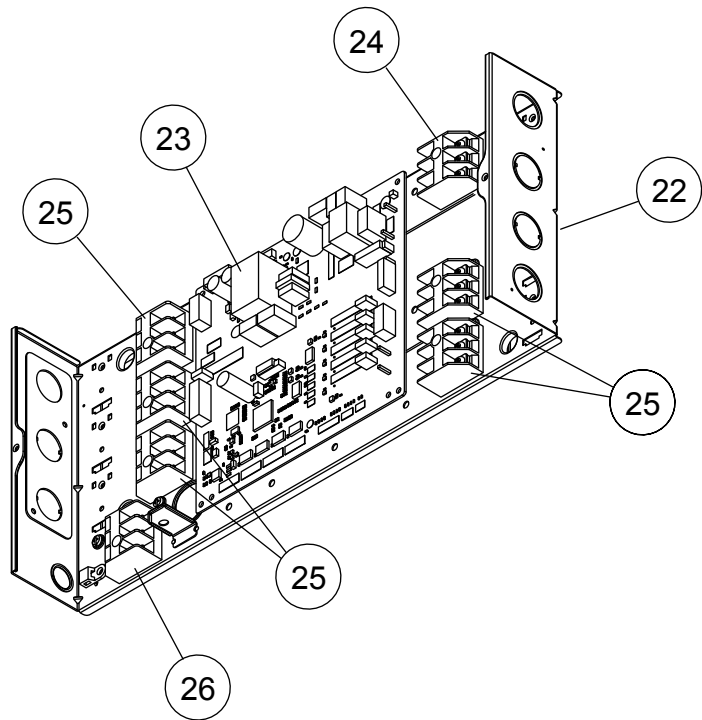
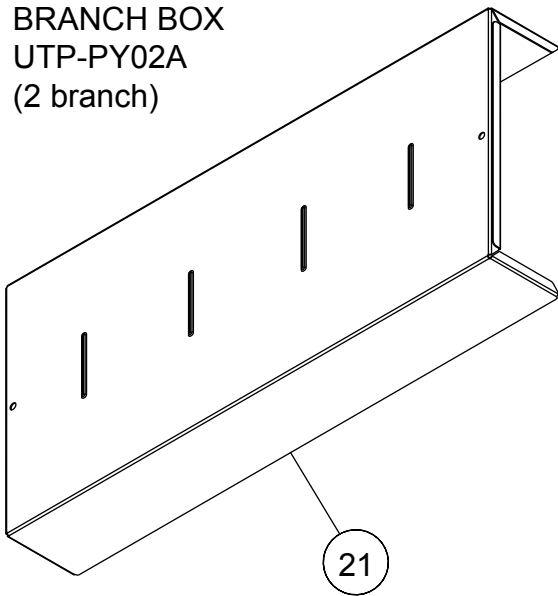
UTP-PY02A



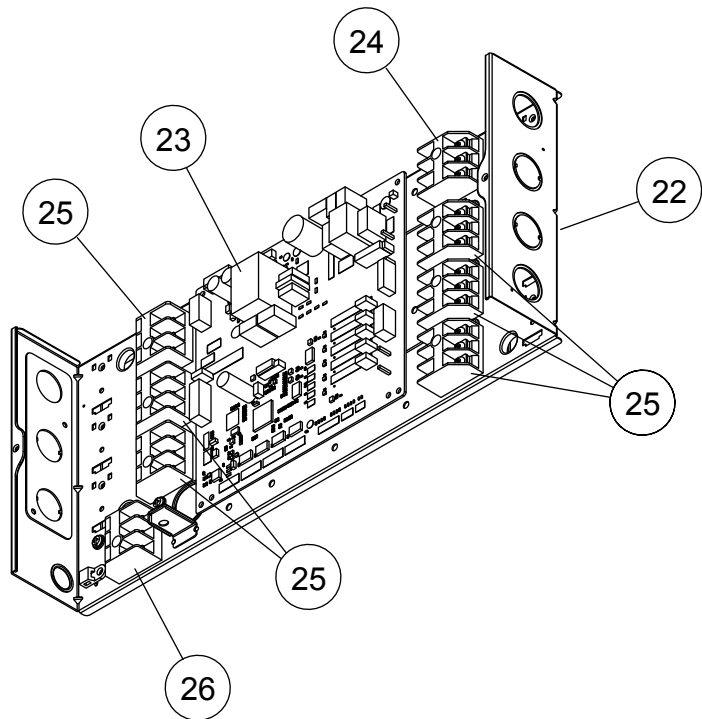
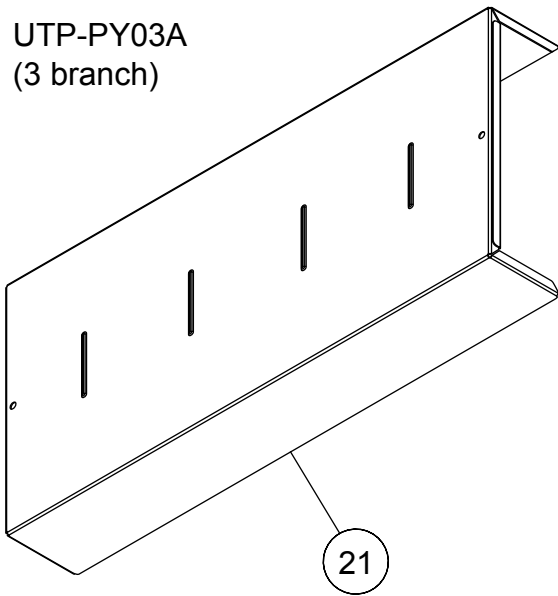
Rubber
(pipe hole)

Ref	Description	Parts number
1	Top Panel	9379775007
2	Hook Metal	9379778008
3	Insulation Box (Top) Sub Assy	9380102007
4	Top Case Sub Assy	9380108009
5	Bottom Case	9379789004
6	Insulation Box (Bottom) Sub Assy	9380103004
7	Bottom Panel	9379776004
8	Pipe Unit (UTP-PY02A)	9380055037
9	Pipe Unit (UTP-PY03A)	9380055020
10	EEV Coil A (Red)	9970106019
11	EEV Coil B (White)	9970106026
12	EEV Coil C (Green) (UTP-PY03A only)	9970106033
13	EEV Coil Bypass (Blue)	9970106040
--	Thermistor Assy A B (Red & White)	9900596002
--	Thermistor Assy C (Green) (03 only)	9900597009

BRANCH BOX
UTP-PY02A
(2 branch)



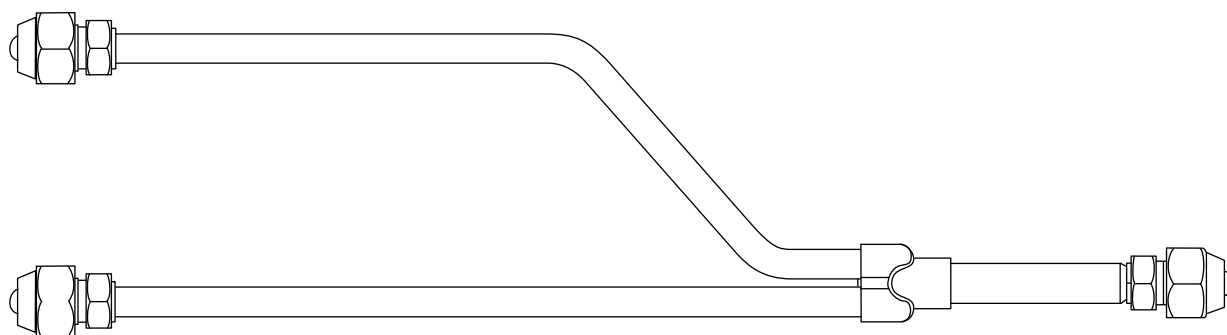
UTP-PY03A
(3 branch)



Ref	Description	Parts number	
21	Control Box Cover	9379781008	
22	Control Box Assy	9380053002	
23	Controller PCB Assy	9708741017	
24	Terminal (Power)	9306489199	
25	Terminal (Inner)	9306489182	
26	Terminal (Remote)	9900567002	

SEPARATION TUBE
UTP-SX248A

Branch Pipe A Sub Assy : 9371627069



Branch Pipe B Sub Assy : 9373161288

