

SERVICE MANUAL



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Outdoor unit	Indoor unit
ROG14LAC2	RSG07LJCA RSG09LJCA RSG12LJCA
ROG18LAC2	RSG07LJCA RSG09LJCA RSG12LJCA RCG07LVLA RCG09LVLA RCG12LVLA CG-UFFD RGG09LVCA RGG12LVCA RDG07LLTA RDG09LLTA RDG12LLTA

SPECIFICATIONS

OUTDOOR UNIT

ELECTRICAL SPECIFICATIONS

TYPE		Two room multi	
MODEL NAME		ROG14LAC2	ROG18LAC2
COOLING CAPACITY		4.0 kW	5.0 kW
HEATING CAPACITY		4.4 kW	5.6 kW
POWER SUPPLY		230V	230V
FREQUENCY		50 Hz	50 Hz
RUNNING CURRENT	Cooling	5.1 A	6.9 A
	Heating	4.9 A	6.3 A
INPUT POWER	Cooling	1.09 kW	1.56 kW
	Heating	1.03 kW	1.41 kW
EER	Cooling	3.67 kW/kW	3.21 kW/kW
	Heating	4.27 kW/kW	3.97 kW/kW
MAXIMUM CURRENT	Cooling	6.7 A	8.7 A
	Heating	8.5 A	9.2 A
AIR CIRCULATION HIGH		1,850 m³/hr	2,050 m³/hr

FAN MOTOR

DISCRIMINATION	MFE-40VVL	MFE-40VVL
HIGH SPEED (COOL)	820 r.p.m.	900 r.p.m.
HIGH SPEED (HEAT)	820 r.p.m.	900 r.p.m.

NOISE LEVEL

COOL	47 dB(A)	50 dB(A)
HEAT	49 dB(A)	51 dB(A)

COMPRESSOR AND REFRIGERANT

COMPRESSOR TYPE		Hermetic rotary, 4 poles, DC inverter, 1-cylinder type	Hermetic rotary, 4 poles, DC inverter, 2-cylinder type
DISCRIMINATION		DA108X1C-20FZA1	808-911-80B
WEIGHT (including oil)		10.4 kg	10.0 kg
PRECHARGED REFRIGERANT		1,250 g	1,300 g
REFRIGERANT TYPE		R410A	R410A
FULL CHARGE	Total Pipe Length 20 m	1,250 g	1,300 g
	25 m	1,300 g	1,400 g
	30 m	1,350 g	1,500 g
ADDITIONAL CHARGE		10 g/m	20 g/m
MAXIMUM PIPE LENGTH (total)		30 m	
MINIMUM PIPE LENGTH (total)		6 m	
MAXIMUM PIPE LENGTH (each unit)		20 m	
MINIMUM PIPE LENGTH (each unit)		3 m	
MAX ELEVATION (between indoor units)		10 m	
MAX ELEVATION (between IU and OU)		15 m	

MEASUREMENT

DIMENSIONS	H x W x D	540 x 790 x 290 mm	
WEIGHT	Shipping / Net	41 kg / 37 kg	42 kg / 38 kg

INDOOR UNIT
COMPACT WALL MOUNTED

ELECTRICAL DATA

MODEL NAME	RSG07LJCA	RSG09LJCA	RSG12LJCA
CAPACITY	2.0 kW class	2.5 kW class	3.5 kW class

FAN MOTOR

DISCRIMINATION			MFD-12TYAN		
FAN SPEED	Cooling	High	1,050 r.p.m.	1,100 r.p.m.	1,200 r.p.m.
		Medium	950 r.p.m.	980 r.p.m.	1,050 r.p.m.
		Low	850 r.p.m.	850 r.p.m.	880 r.p.m.
		Quiet	680 r.p.m.	680 r.p.m.	680 r.p.m.
	Heating	High	1,050 r.p.m.	1,100 r.p.m.	1,200 r.p.m.
		Medium	950 r.p.m.	980 r.p.m.	1,050 r.p.m.
		Low	850 r.p.m.	850 r.p.m.	910 r.p.m.
		Quiet	710 r.p.m.	710 r.p.m.	710 r.p.m.
AIR FLOW	Cooling	High	560 m ³ /h	600 m ³ /h	660 m ³ /h
		Medium	500 m ³ /h	520 m ³ /h	560 m ³ /h
		Low	430 m ³ /h	430 m ³ /h	450 m ³ /h
		Quiet	310 m ³ /h	310 m ³ /h	310 m ³ /h
	Heating	High	560 m ³ /h	600 m ³ /h	660 m ³ /h
		Medium	500 m ³ /h	520 m ³ /h	560 m ³ /h
		Low	430 m ³ /h	430 m ³ /h	470 m ³ /h
		Quiet	330 m ³ /h	330 m ³ /h	330 m ³ /h
NOISE LEVEL	Cooling	High	36 dB(A)	37 dB(A)	40 dB(A)
		Medium	32 dB(A)	33 dB(A)	36 dB(A)
		Low	29 dB(A)	29 dB(A)	30 dB(A)
		Quiet	21 dB(A)	21 dB(A)	21 dB(A)
	Heating	High	36 dB(A)	37 dB(A)	40 dB(A)
		Medium	32 dB(A)	33 dB(A)	36 dB(A)
		Low	29 dB(A)	29 dB(A)	31 dB(A)
		Quiet	22 dB(A)	22 dB(A)	22 dB(A)

MEASUREMENTS

DIMENSIONS	H x W x D	280 x 790 x 203 mm
WEIGHT	Net / Shipping	8.0 kg / 10.5 kg

INDOOR UNIT COMPACT CASSETTE

ELECTRICAL DATA

MODEL NAME	RCG07LVLA	RCG09LVLA	RCG12LVLA
CAPACITY	2.0 kW class	2.5 kW class	3.5 kW class

FAN MOTOR

DISCRIMINATION			MFF-24RVL		
FAN SPEED	Cooling	High	590 r.p.m.	590 r.p.m.	660 r.p.m.
		Medium	540 r.p.m.	540 r.p.m.	580 r.p.m.
		Low	490 r.p.m.	490 r.p.m.	520 r.p.m.
		Quiet	440 r.p.m.	440 r.p.m.	460 r.p.m.
	Heating	High	590 r.p.m.	590 r.p.m.	650 r.p.m.
		Medium	540 r.p.m.	540 r.p.m.	580 r.p.m.
		Low	490 r.p.m.	490 r.p.m.	520 r.p.m.
		Quiet	440 r.p.m.	440 r.p.m.	460 r.p.m.
AIR FLOW	Cooling	High	540 m ³ /h	540 m ³ /h	610 m ³ /h
		Medium	490 m ³ /h	490 m ³ /h	530 m ³ /h
		Low	440 m ³ /h	440 m ³ /h	470 m ³ /h
		Quiet	390 m ³ /h	390 m ³ /h	410 m ³ /h
	Heating	High	540 m ³ /h	540 m ³ /h	610 m ³ /h
		Medium	490 m ³ /h	490 m ³ /h	530 m ³ /h
		Low	440 m ³ /h	440 m ³ /h	470 m ³ /h
		Quiet	390 m ³ /h	390 m ³ /h	410 m ³ /h
NOISE LEVEL	Cooling	High	33 dB(A)	33 dB(A)	37 dB(A)
		Medium	31 dB(A)	31 dB(A)	33 dB(A)
		Low	29 dB(A)	29 dB(A)	31 dB(A)
		Quiet	27 dB(A)	27 dB(A)	28 dB(A)
	Heating	High	34 dB(A)	34 dB(A)	37 dB(A)
		Medium	32 dB(A)	32 dB(A)	33 dB(A)
		Low	29 dB(A)	29 dB(A)	31 dB(A)
		Quiet	27 dB(A)	27 dB(A)	28 dB(A)

MEASUREMENTS

DIMENSIONS	H x W x D	245 x 570 x 570 mm
WEIGHT	Net / Shipping	15 kg / 18 kg

PANEL

MEASUREMENTS

MODEL NAME	UTG-UFYD-W	
DIMENSIONS	H x W x D	49 x 700 x 700 mm
WEIGHT	Net / Shipping	2.6 kg / 4.5 kg

INDOOR UNIT
FLOOR

ELECTRICAL DATA

MODEL NAME	RGG09LVCA	RGG12LVCA
CAPACITY	2.5 kW class	3.5 kW class

FAN MOTOR

DISCRIMINATION			MFD-14TXN (upper) / MFD-14SXN (lower)	
FAN SPEED (upper fan / lower fan)	Cooling	High	1,120 / 950 r.p.m.	1,240 / 1,050 r.p.m.
		Medium	960 / 820 r.p.m.	1,050 / 890 r.p.m.
		Low	820 / 700 r.p.m.	860 / 730 r.p.m.
		Quiet	660 / 560 r.p.m.	660 / 560 r.p.m.
	Heating	High	1,120 / 950 r.p.m.	1,240 / 1,050 r.p.m.
		Medium	1,000 / 850 r.p.m.	1,080 / 920 r.p.m.
		Low	860 / 730 r.p.m.	910 / 770 r.p.m.
		Quiet	660 / 560 r.p.m.	660 / 560 r.p.m.
AIR CIRCULATION HIGH (2 fan running)	Cooling	High	570 m3/hr	570 m3/hr
		Medium	460 m3/hr	460 m3/hr
		Low	390 m3/hr	360 m3/hr
		Quiet	270 m3/hr	270 m3/hr
	Heating	High	600 m3/hr	600 m3/hr
		Medium	480 m3/hr	480 m3/hr
		Low	370 m3/hr	370 m3/hr
		Quiet	270 m3/hr	270 m3/hr
NOISE LEVEL	Cooling	High	39 dB(A)	42 dB(A)
		Medium	34 dB(A)	36 dB(A)
		Low	28 dB(A)	30 dB(A)
		Quiet	22 dB(A)	22 dB(A)
	Heating	High	39 dB(A)	42 dB(A)
		Medium	35 dB(A)	38 dB(A)
		Low	30 dB(A)	32 dB(A)
		Quiet	22 dB(A)	22 dB(A)

MEASUREMENT

DIMENSIONS	H x W x D	600 x 740 x 200 mm
WEIGHT	Net / Shipping	14 kg / 17 kg

INDOOR UNIT
SLIM DUCT

ELECTRICAL DATA

MODEL NAME	RDG07LLTA	RDG09LLTA	RDG12LLTA
CAPACITY	2.0 kW class	2.5 kW class	3.5 kW class

FAN MOTOR

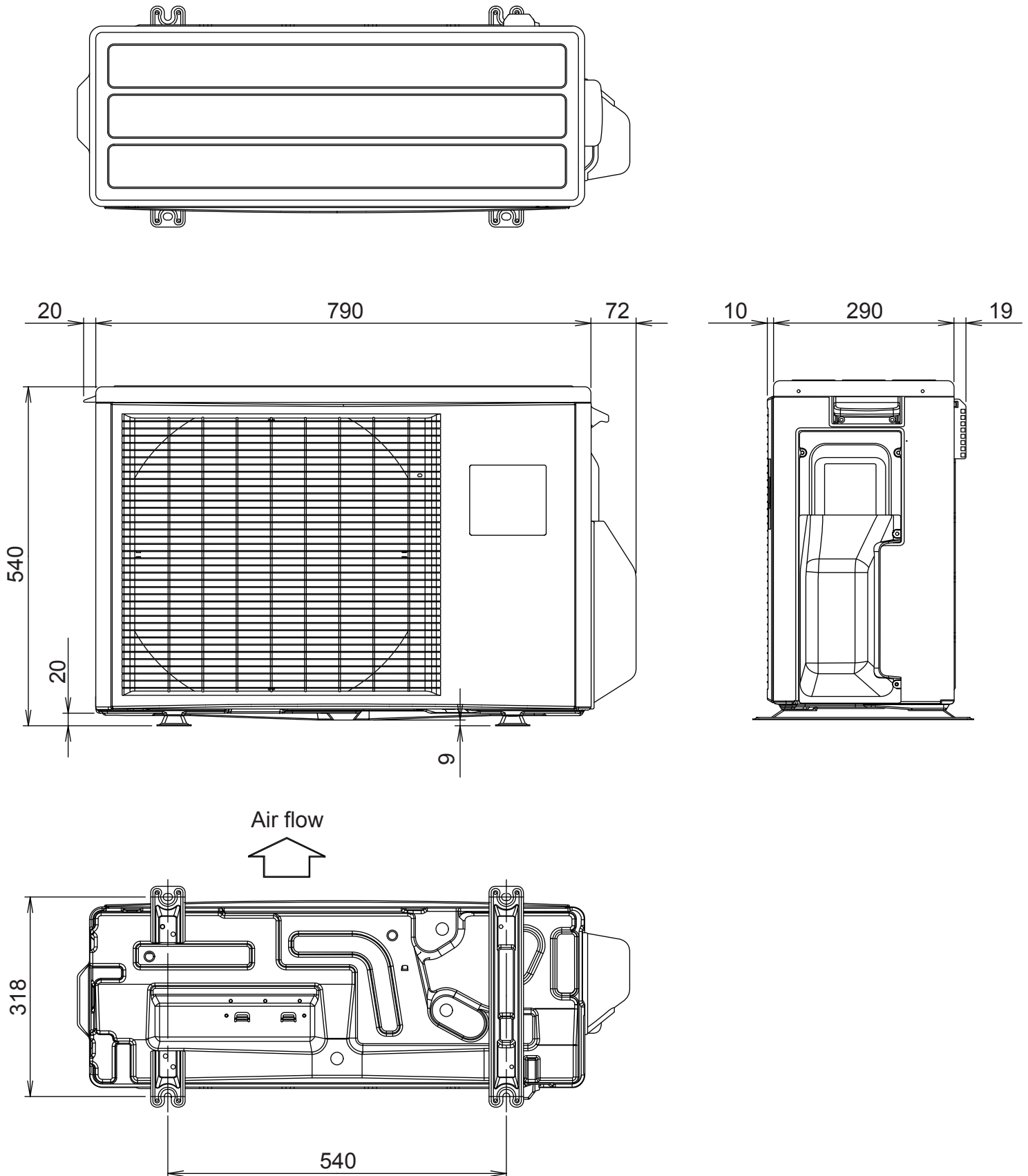
DISCRIMINATION			MFG-14WV		
FAN SPEED	Cooling	High	1,160 r.p.m.	1,260 r.p.m.	1,340 r.p.m.
		Medium	1,000 r.p.m.	1,160 r.p.m.	1,240 r.p.m.
		Low	940 r.p.m.	1,060 r.p.m.	1,140 r.p.m.
		Quiet	880 r.p.m.	960 r.p.m.	1,030 r.p.m.
	Heating	High	1,160 r.p.m.	1,260 r.p.m.	1,340 r.p.m.
		Medium	1,000 r.p.m.	1,160 r.p.m.	1,240 r.p.m.
		Low	940 r.p.m.	1,060 r.p.m.	1,140 r.p.m.
		Quiet	880 r.p.m.	960 r.p.m.	1,030 r.p.m.
AIR FLOW	Cooling	High	550 m ³ /h	600 m ³ /h	650 m ³ /h
		Medium	490 m ³ /h	550 m ³ /h	600 m ³ /h
		Low	470 m ³ /h	500 m ³ /h	550 m ³ /h
		Quiet	440 m ³ /h	450 m ³ /h	480 m ³ /h
	Heating	High	550 m ³ /h	600 m ³ /h	650 m ³ /h
		Medium	490 m ³ /h	550 m ³ /h	600 m ³ /h
		Low	470 m ³ /h	500 m ³ /h	550 m ³ /h
		Quiet	440 m ³ /h	450 m ³ /h	480 m ³ /h
NOISE LEVEL	Cooling	High	28 dB(A)	28 dB(A)	29 dB(A)
		Medium	26 dB(A)	27 dB(A)	28 dB(A)
		Low	25 dB(A)	26 dB(A)	27 dB(A)
		Quiet	24 dB(A)	25 dB(A)	26 dB(A)
	Heating	High	28 dB(A)	28 dB(A)	29 dB(A)
		Medium	26 dB(A)	26 dB(A)	28 dB(A)
		Low	25 dB(A)	25 dB(A)	27 dB(A)
		Quiet	24 dB(A)	24 dB(A)	24 dB(A)

MEASUREMENTS

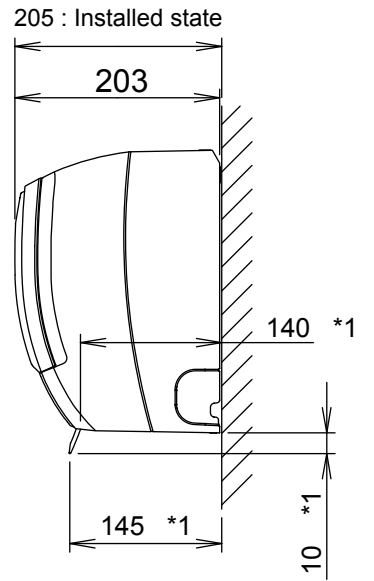
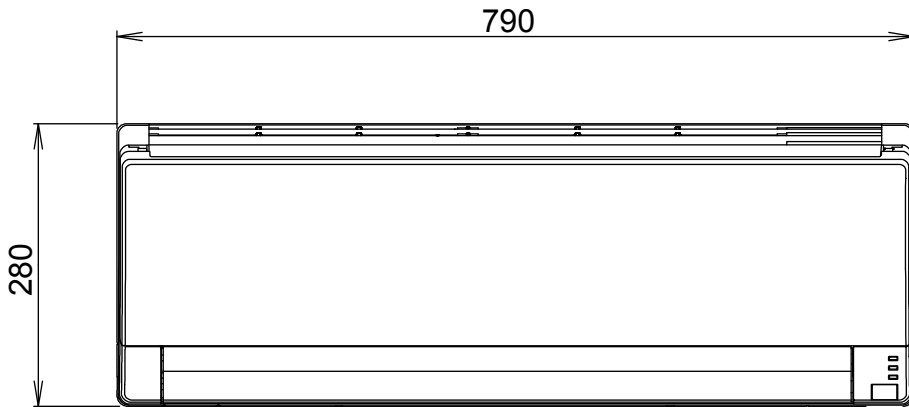
DIMENSIONS	H x W x D	198 x 700 x 620 mm
WEIGHT	Net / Shipping	19 kg / 25 kg

DIMENSIONS

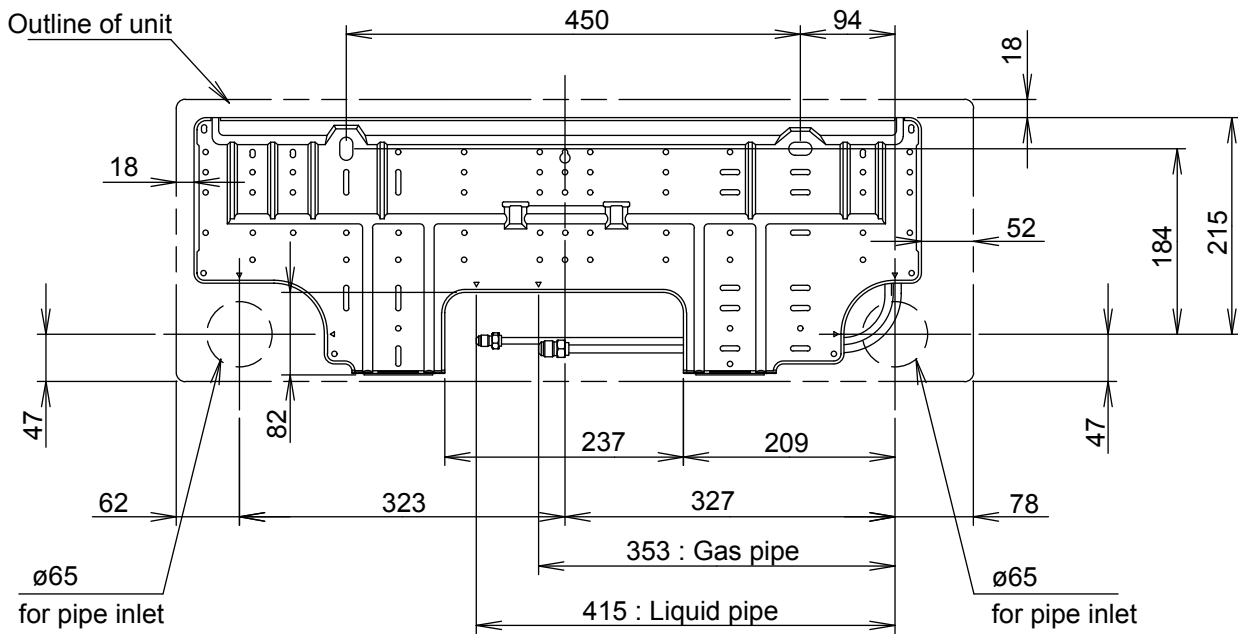
OUTDOOR UNIT (unit : mm)



INDOOR UNIT
COMPACT WALL MOUNTED
RSG07LJCA
RSG09LJCA
RSG12LJCA
(unit : mm)

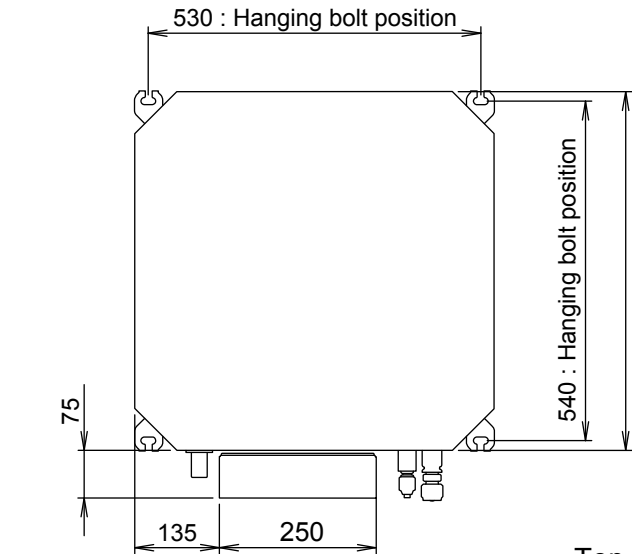


*1: Vertical flap is downward

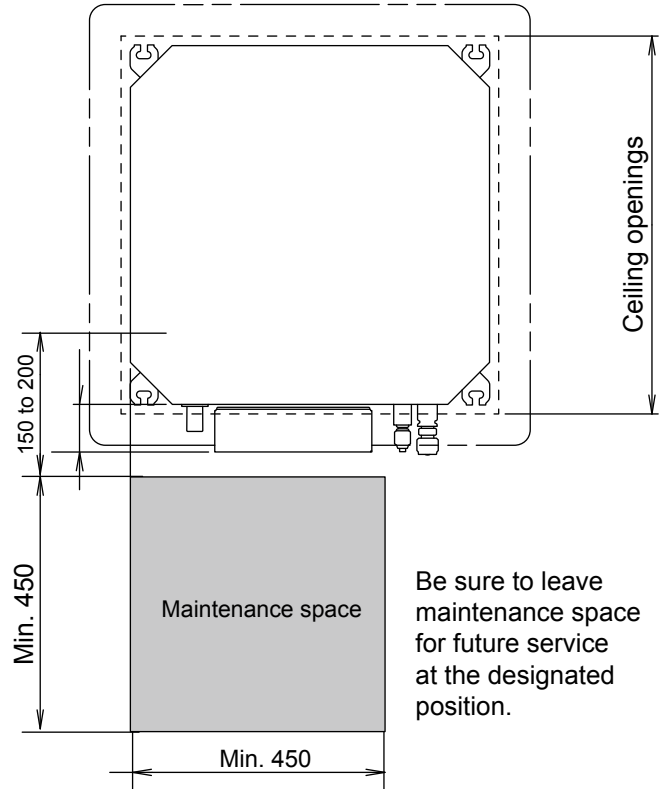


INDOOR UNIT
 COMPACT CASSETTE
 RCG07LVLA
 RCG09LVLA
 RCG12LVLA
 (unit : mm)

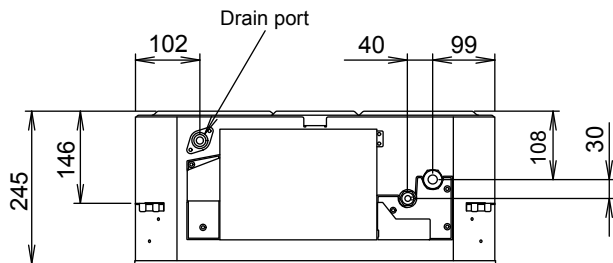
Decoration panel mounting state



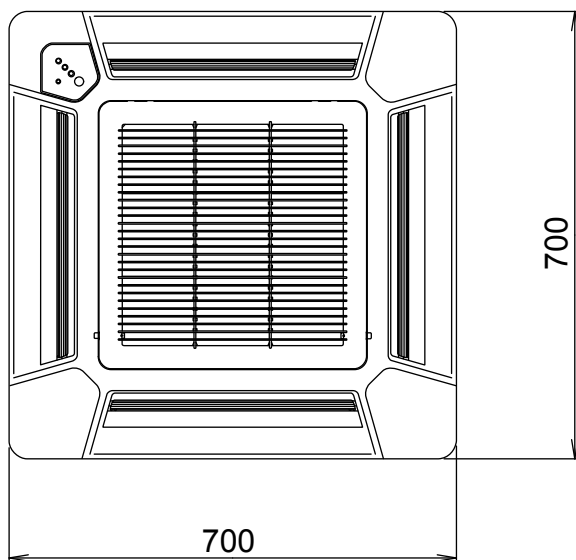
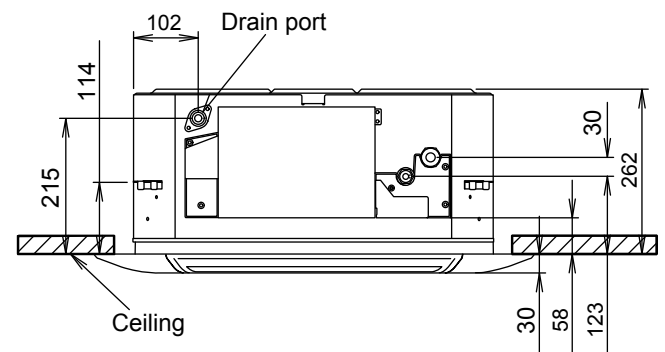
Top view



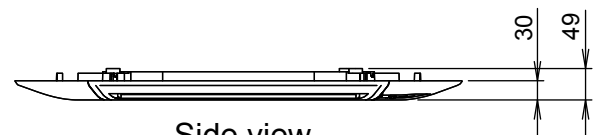
Be sure to leave maintenance space for future service at the designated position.



Side view

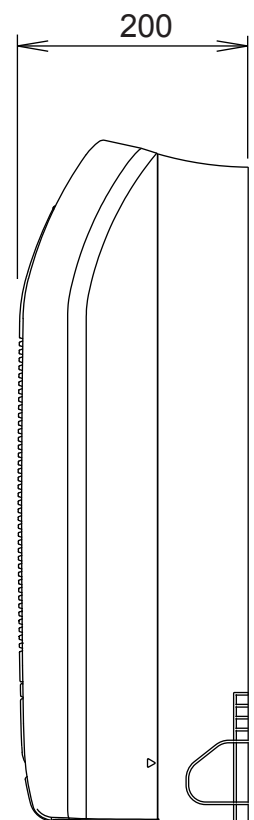
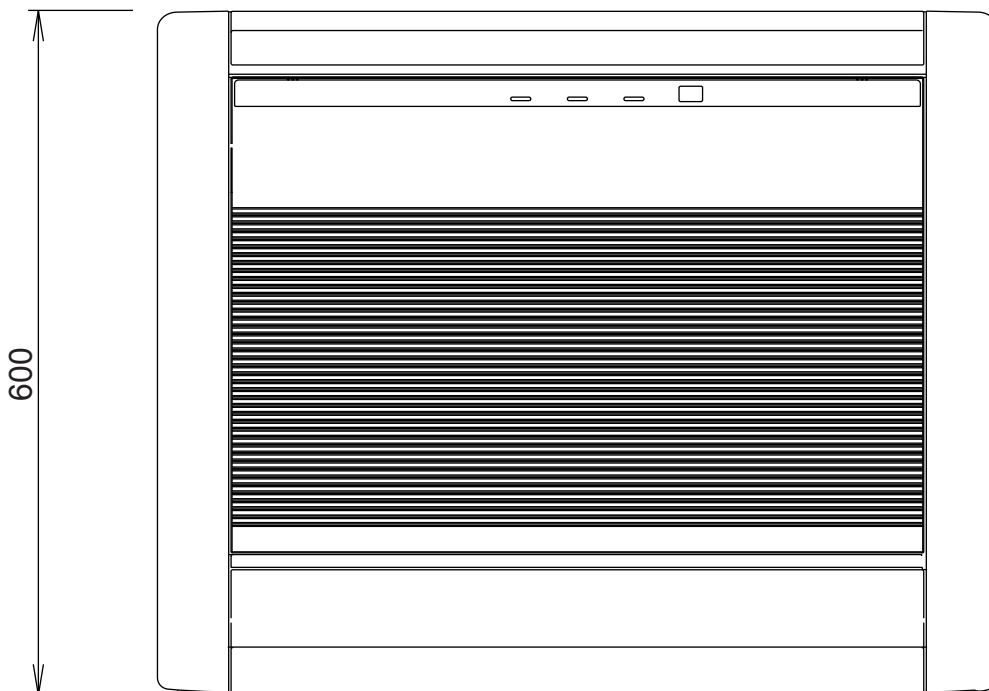
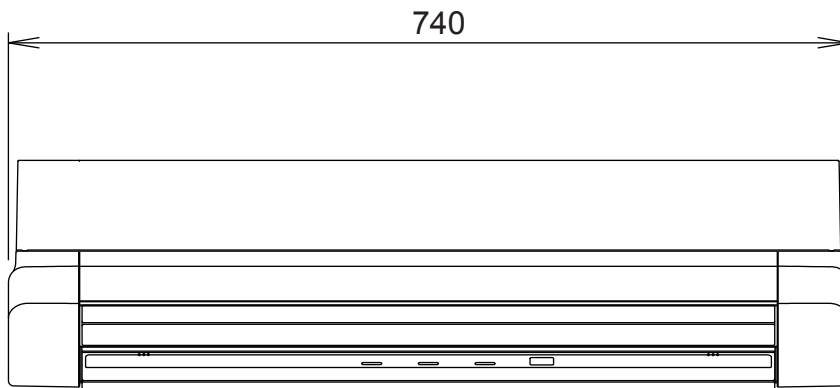


Bottom view

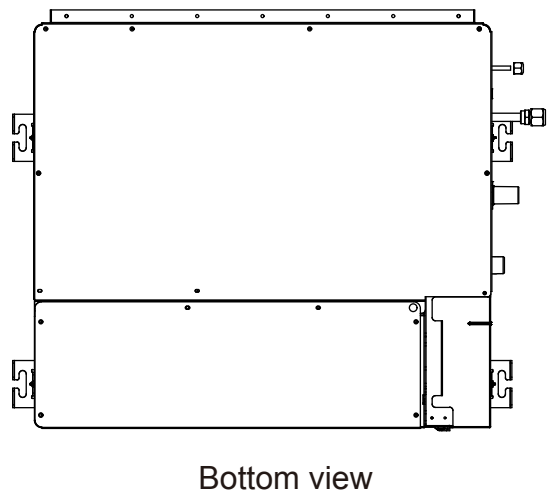
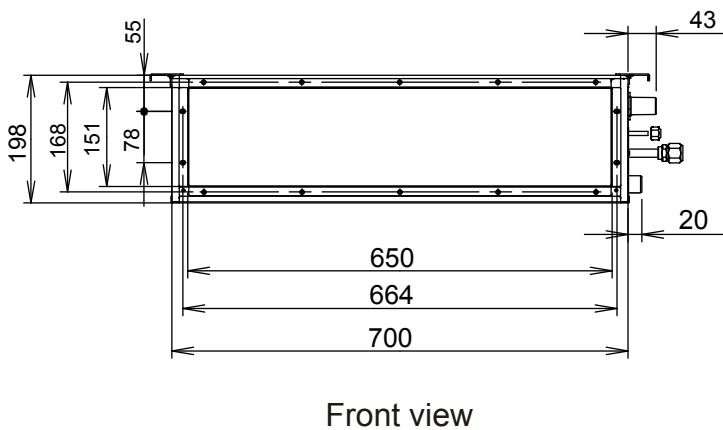
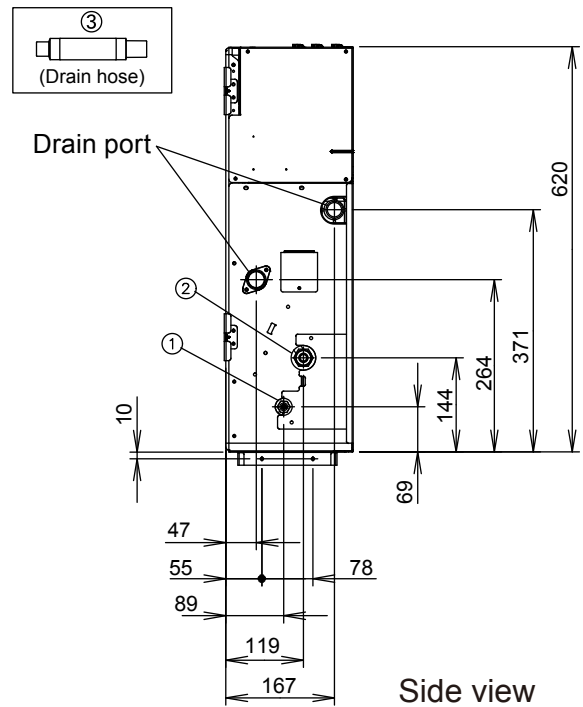
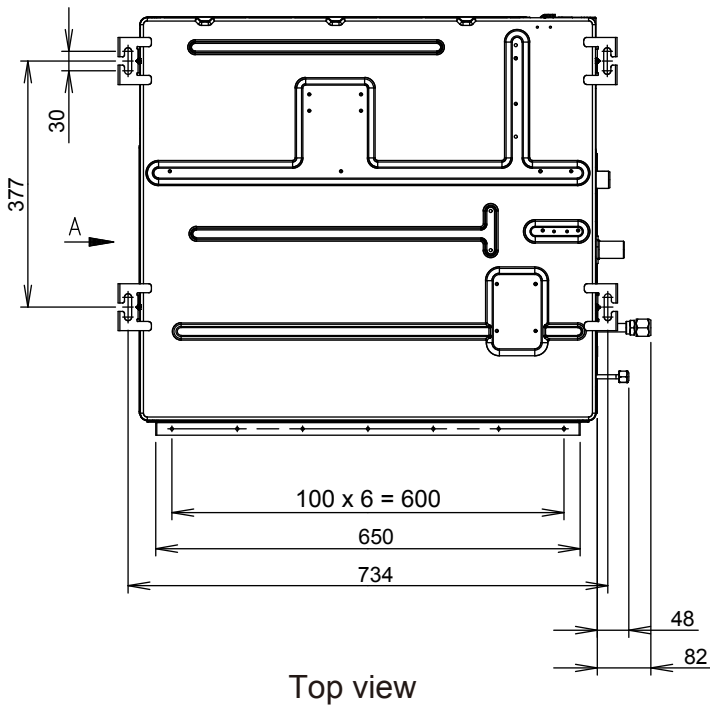
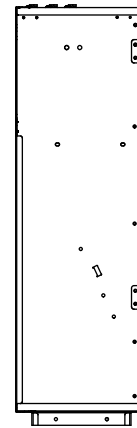
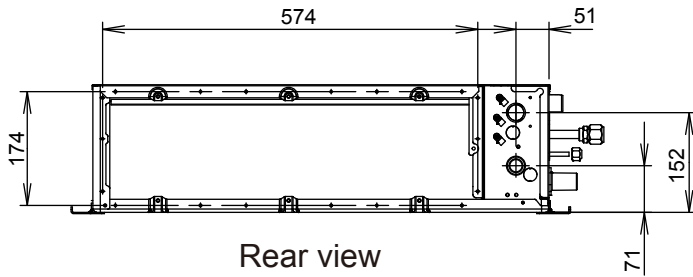


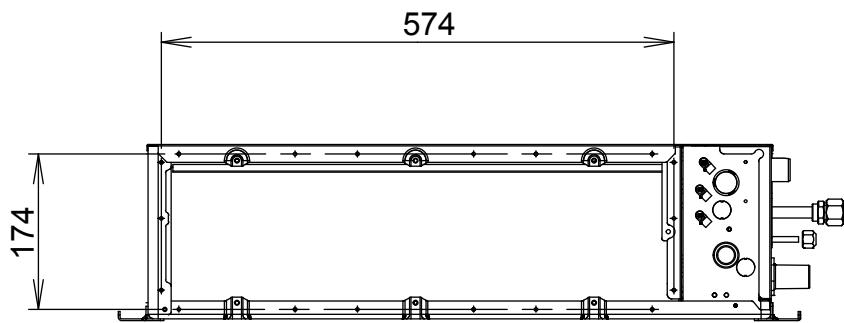
Side view

INDOOR UNIT
FLOOR
RGG09LVCA
RGG12LVCA
(unit : mm)

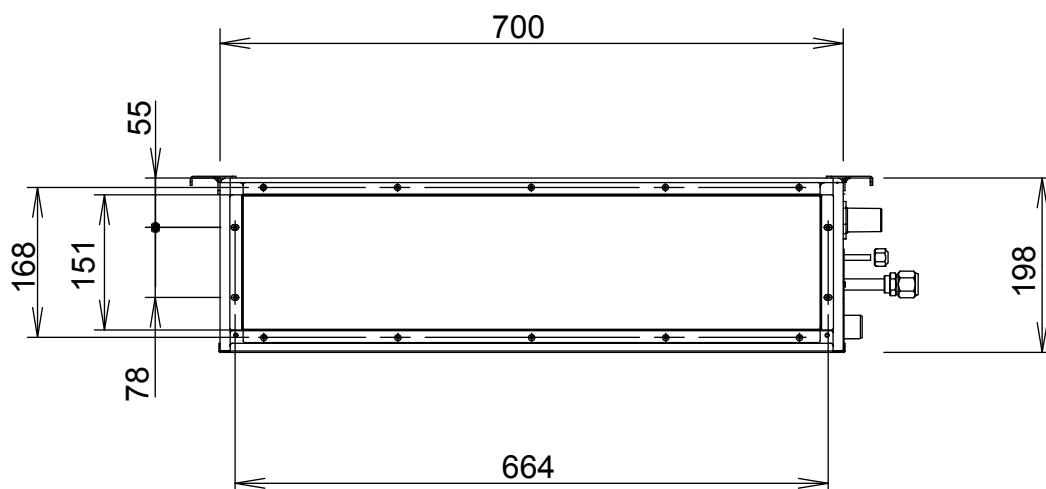
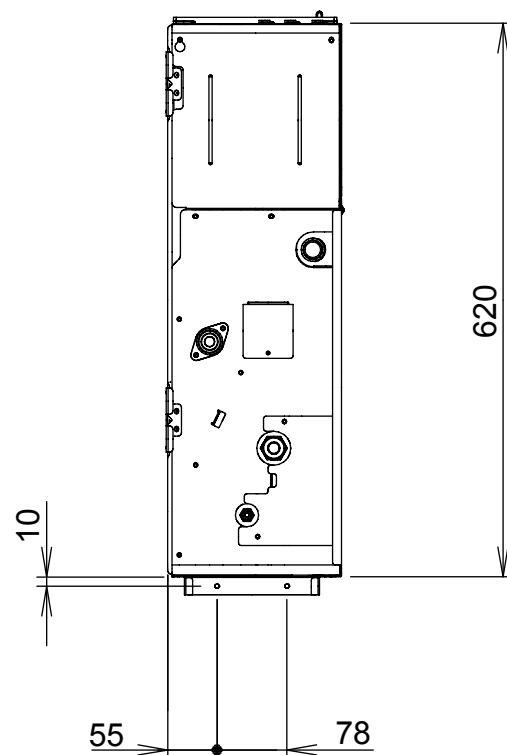
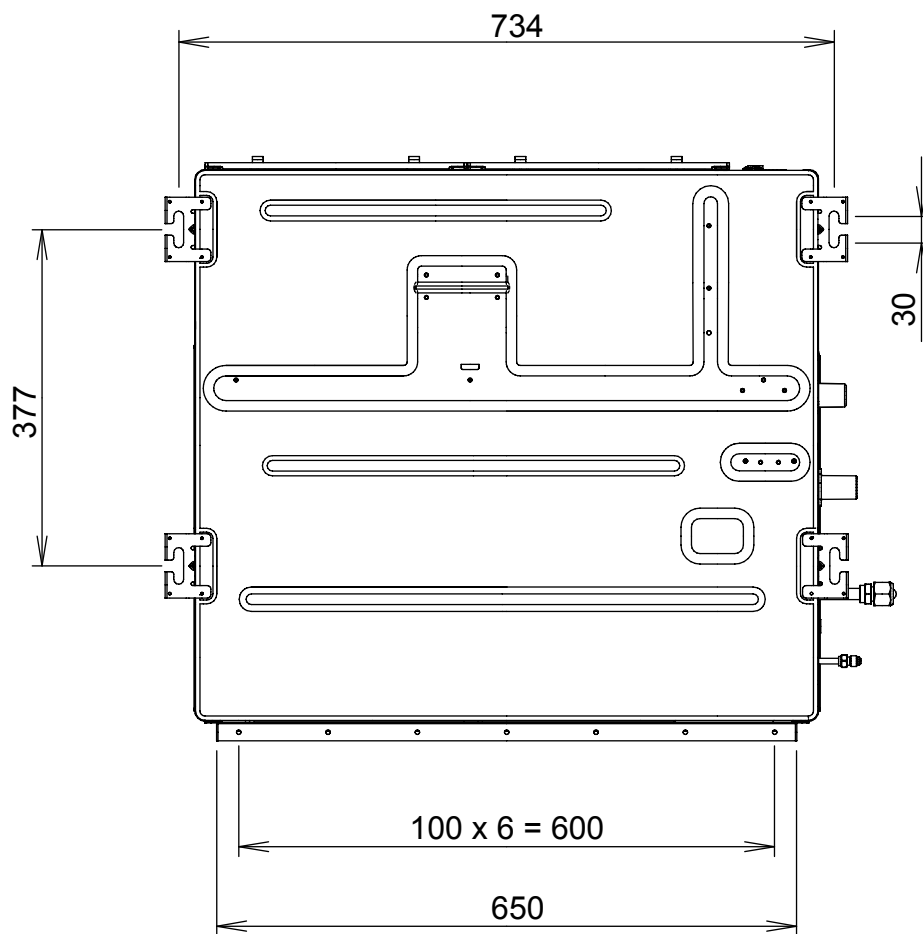


INDOOR UNIT
SLIM DUCT
RDG07LLTA
RDG09LLTA
RDG12LLTA
(Serial number : T)
(unit : mm)

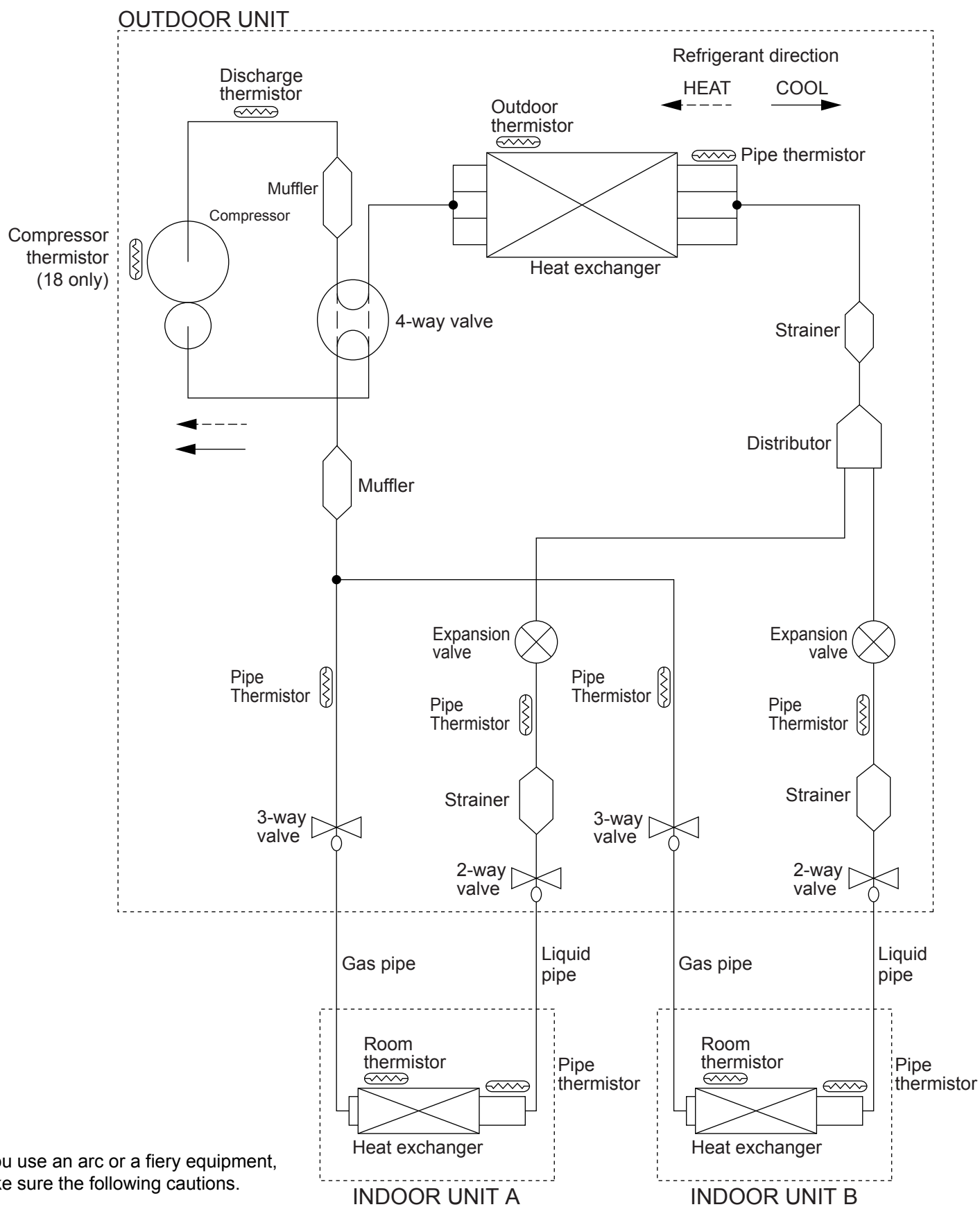




INDOOR UNIT
SLIM DUCT
RDG07LLTA
RDG09LLTA
RDG12LLTA
(Serial number : R)
Unit : mm



REFRIGERANT SYSTEM DIAGRAM



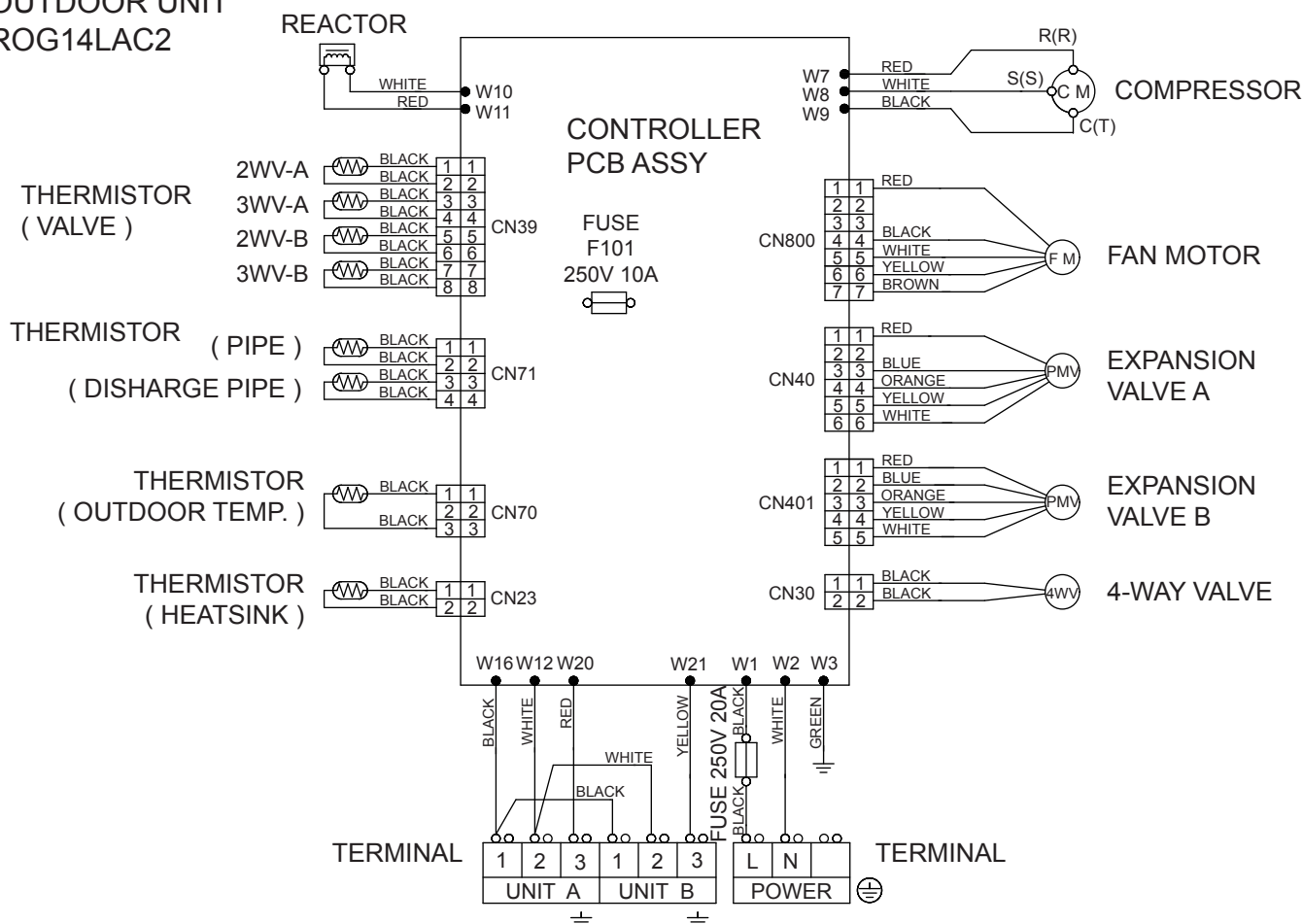
If you use an arc or a fiery equipment,
make sure the following cautions.

CAUTION

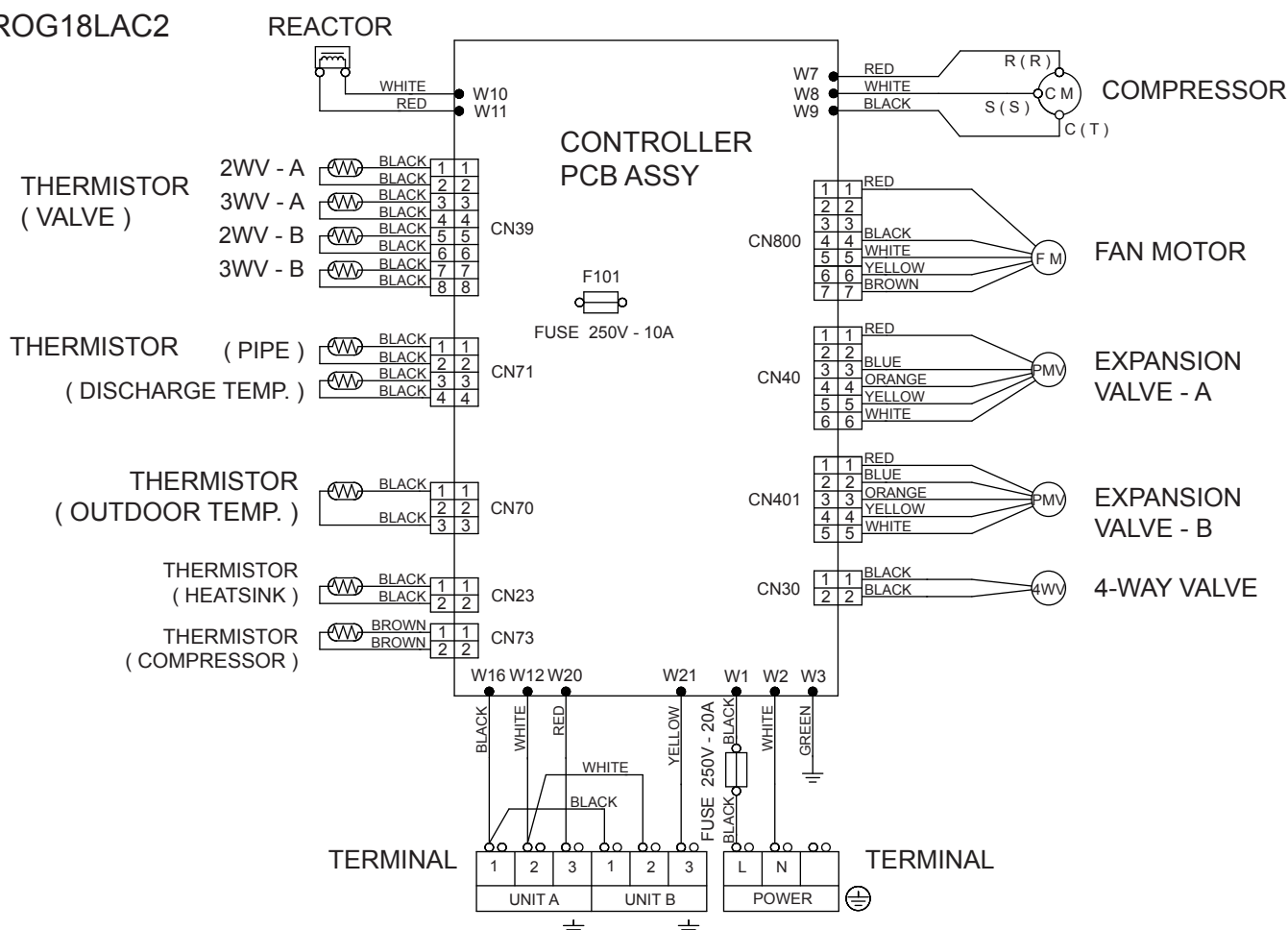
- (1) The room must be thoroughly ventilated.
All windows and doors are open.
- (2) If you have any, use a mechanical ventilation.
- (3) An other person is necessary for observation or assistance.
- (4) Keep protective equipments and extinguishing apparatus within your reach.
- (5) Welding and brazing must be carried out by qualified specialists.

CIRCUIT DIAGRAM

OUTDOOR UNIT ROG14LAC2

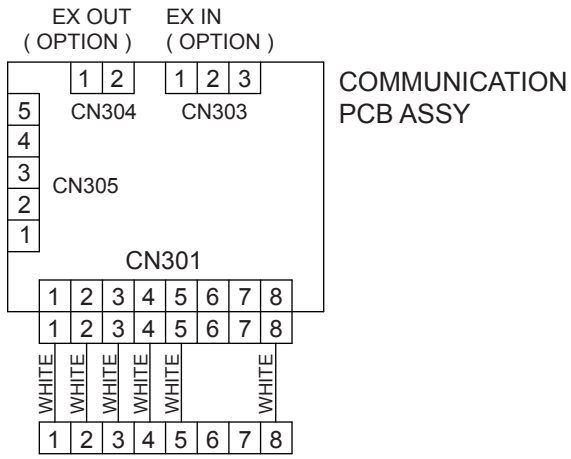


ROG18LAC2

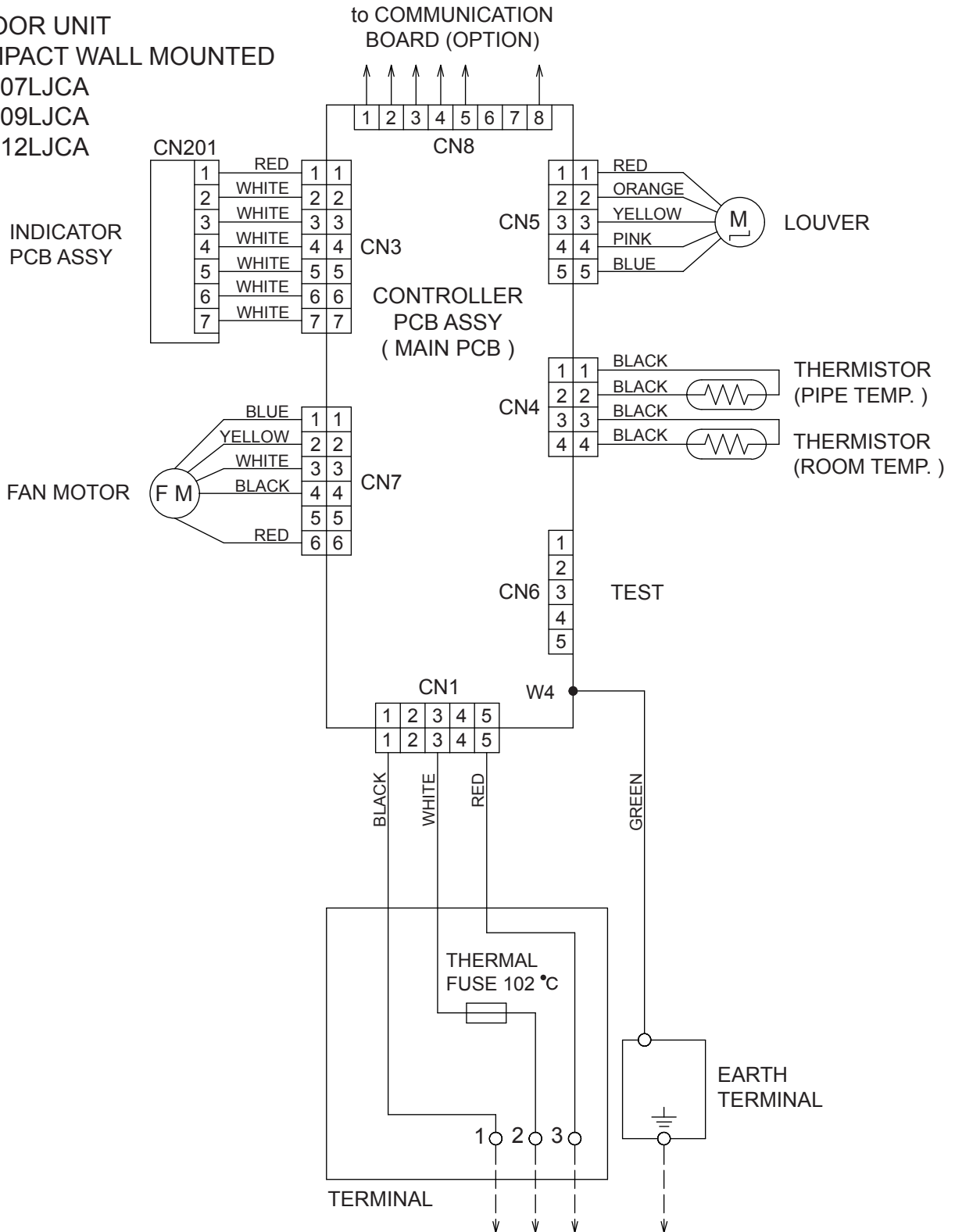


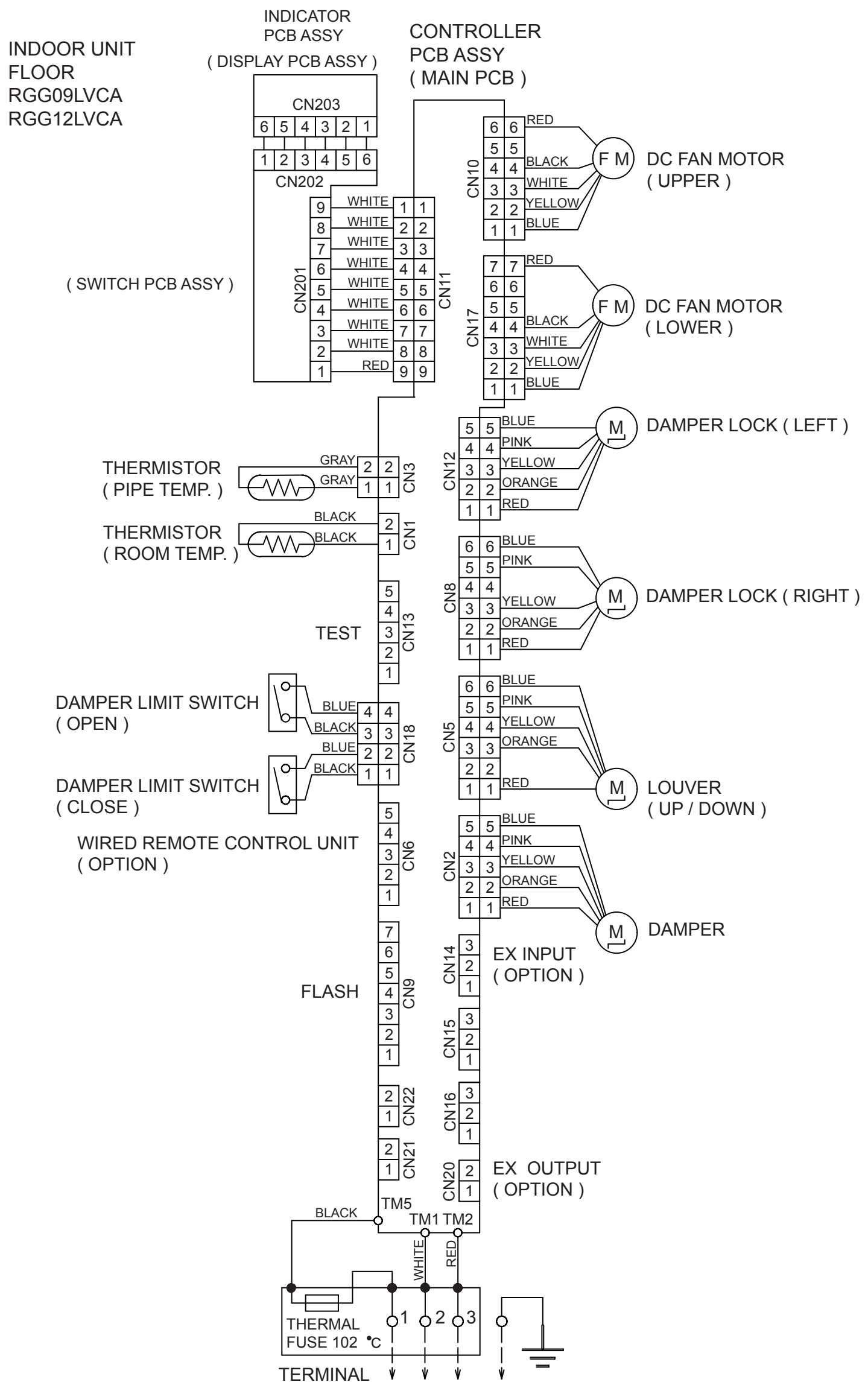
COMMUNICATION KIT
UTY-XCBXZ1
(OPTION) REMOTE

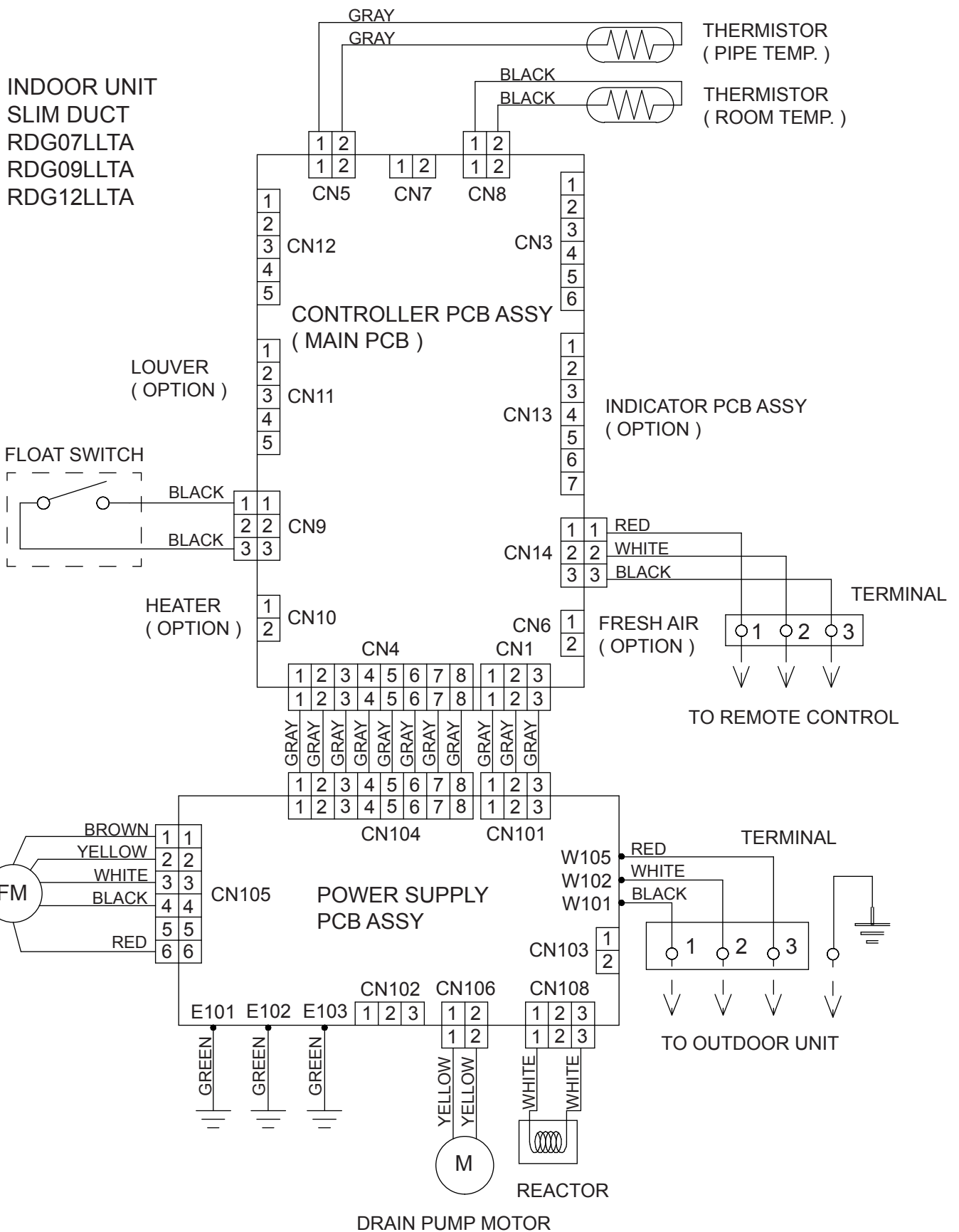
REMOTE CONTROL (OPTION)



INDOOR UNIT
COMPACT WALL MOUNTED
RSG07LJCA
RSG09LJCA
RSG12LJCA CN201

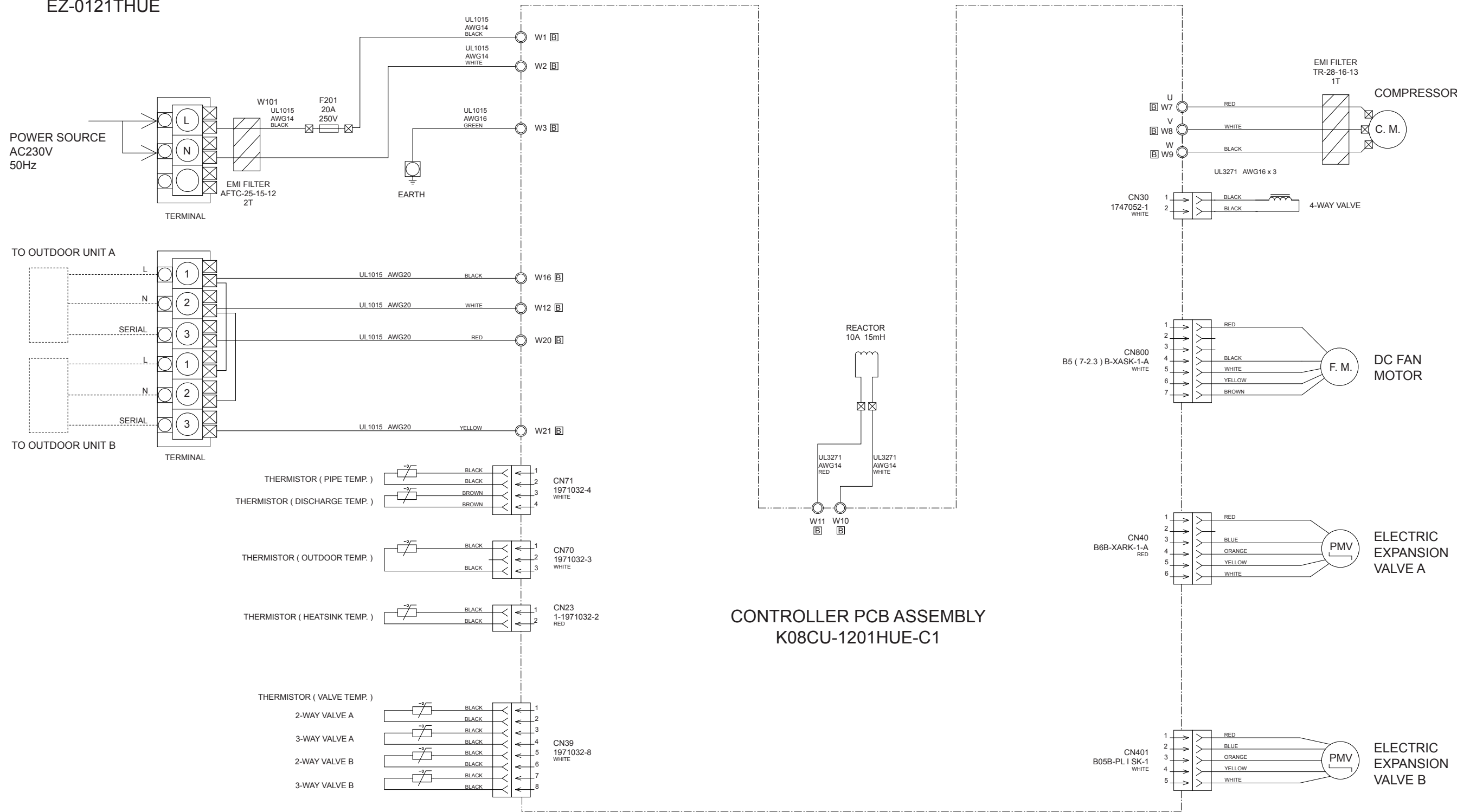
INDICATOR
PCB ASSY





OUTDOOR PCB CIRCUIT DIAGRAM

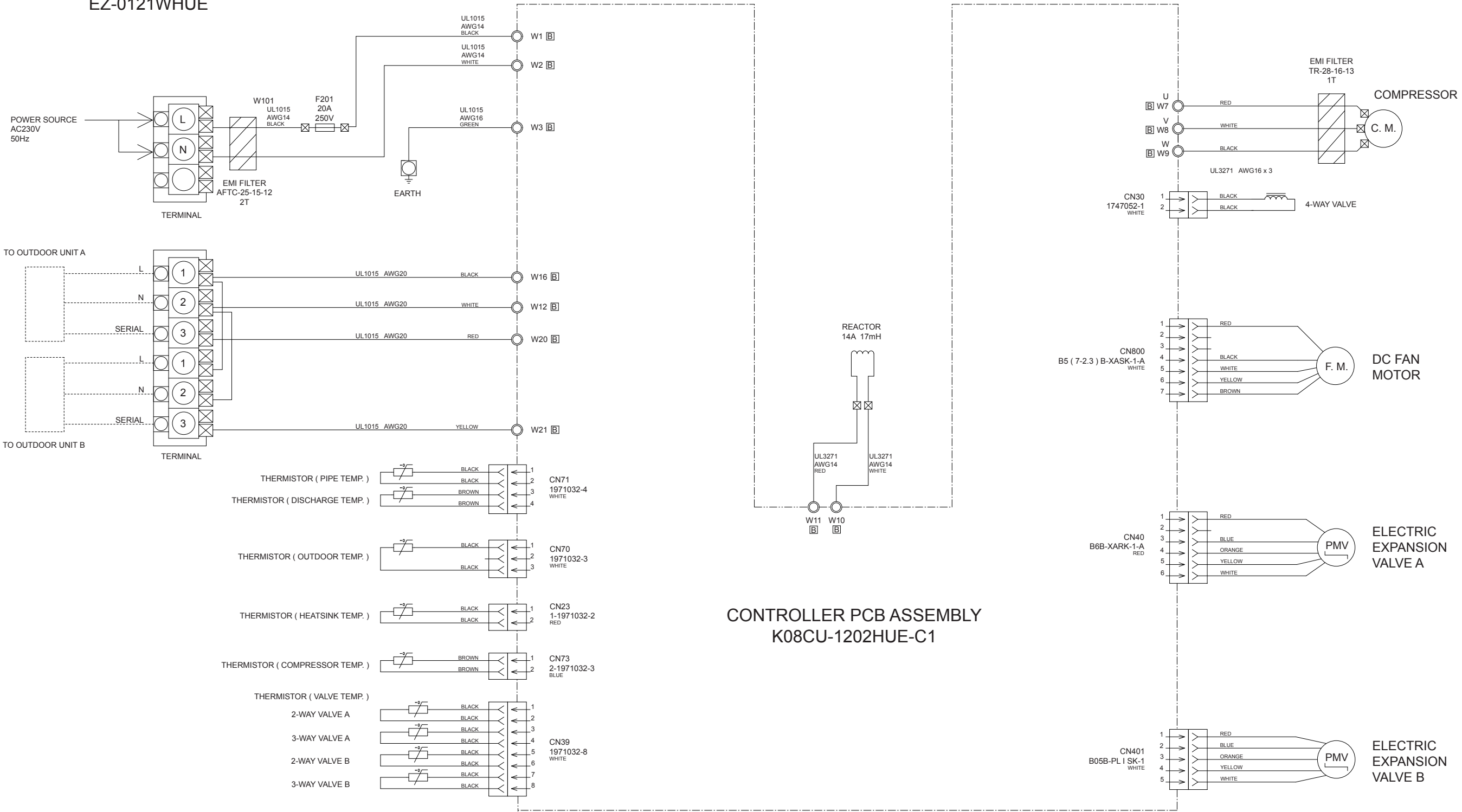
ROG14LAC2
INVERTER ASSEMBLY
EZ-0121THUE



CONTROLLER PCB ASSEMBLY (MAIN PCB)
K08CU-1201HUE-C1

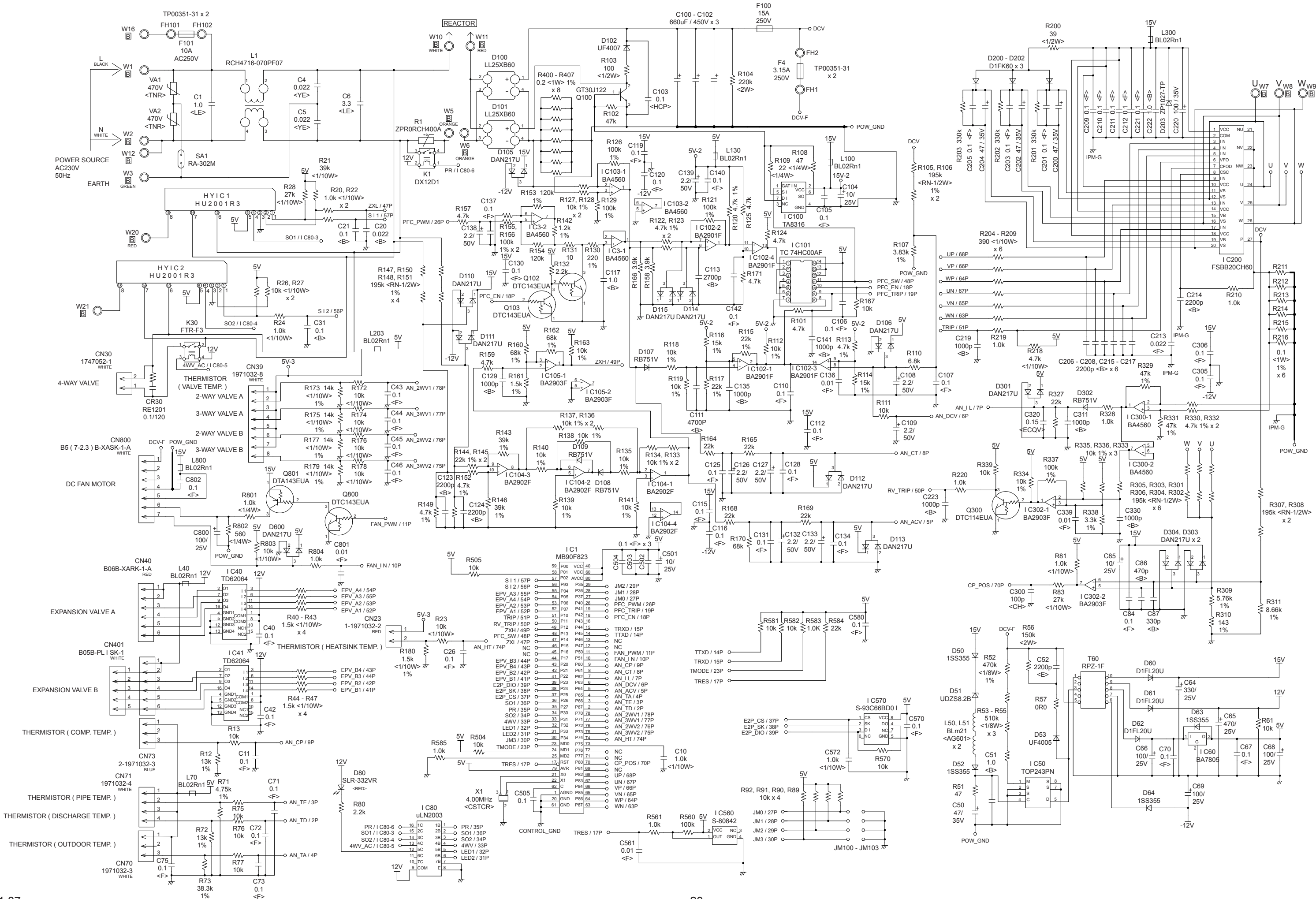


OUTDOOR UNIT
ROG18LAC2
INVERTER ASSEMBLY
EZ-0121WHUE



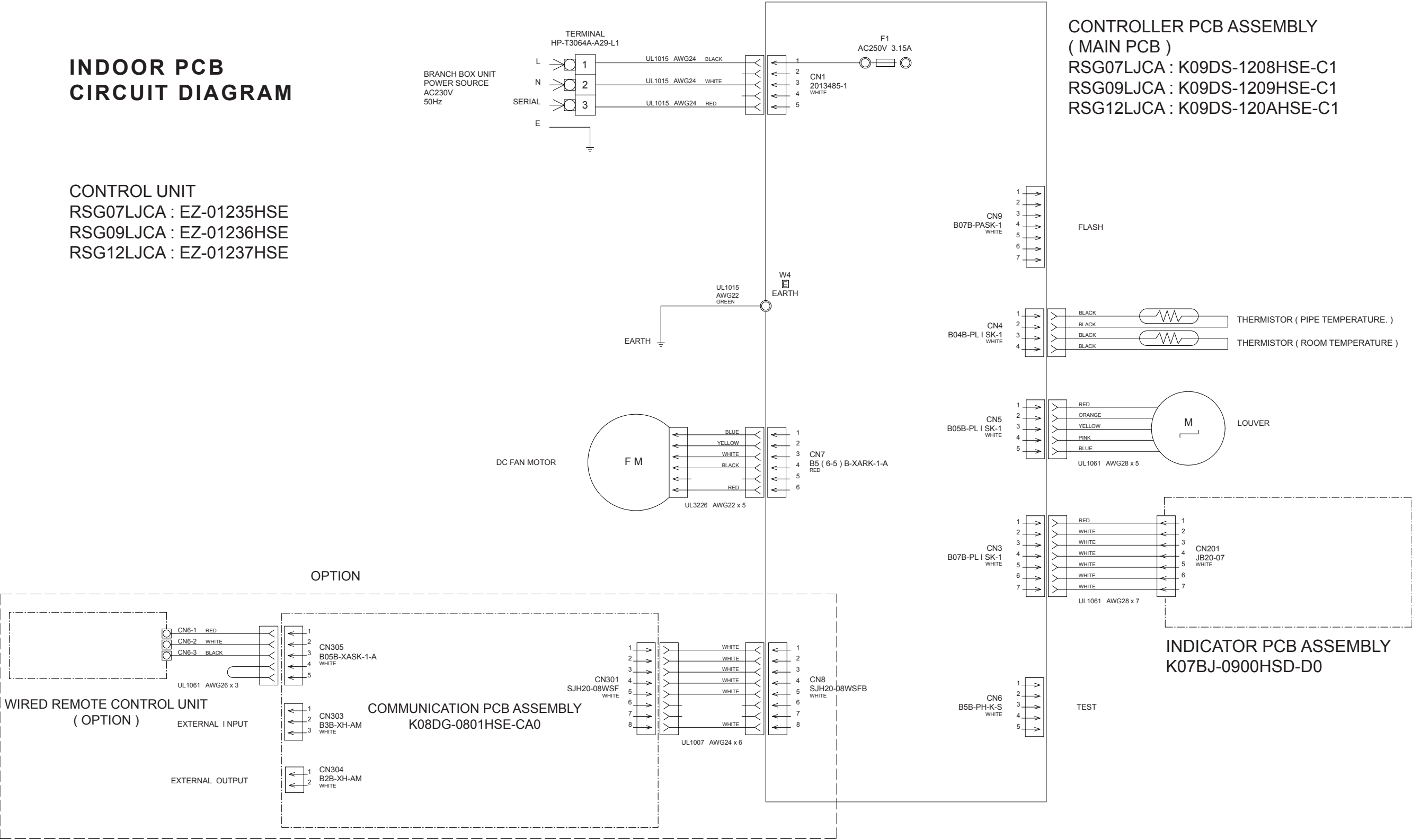
OUTDOOR UNIT
ROG18LAC2

CONTROLLER PCB ASSEMBLY
K08CU-1202HUE-C1

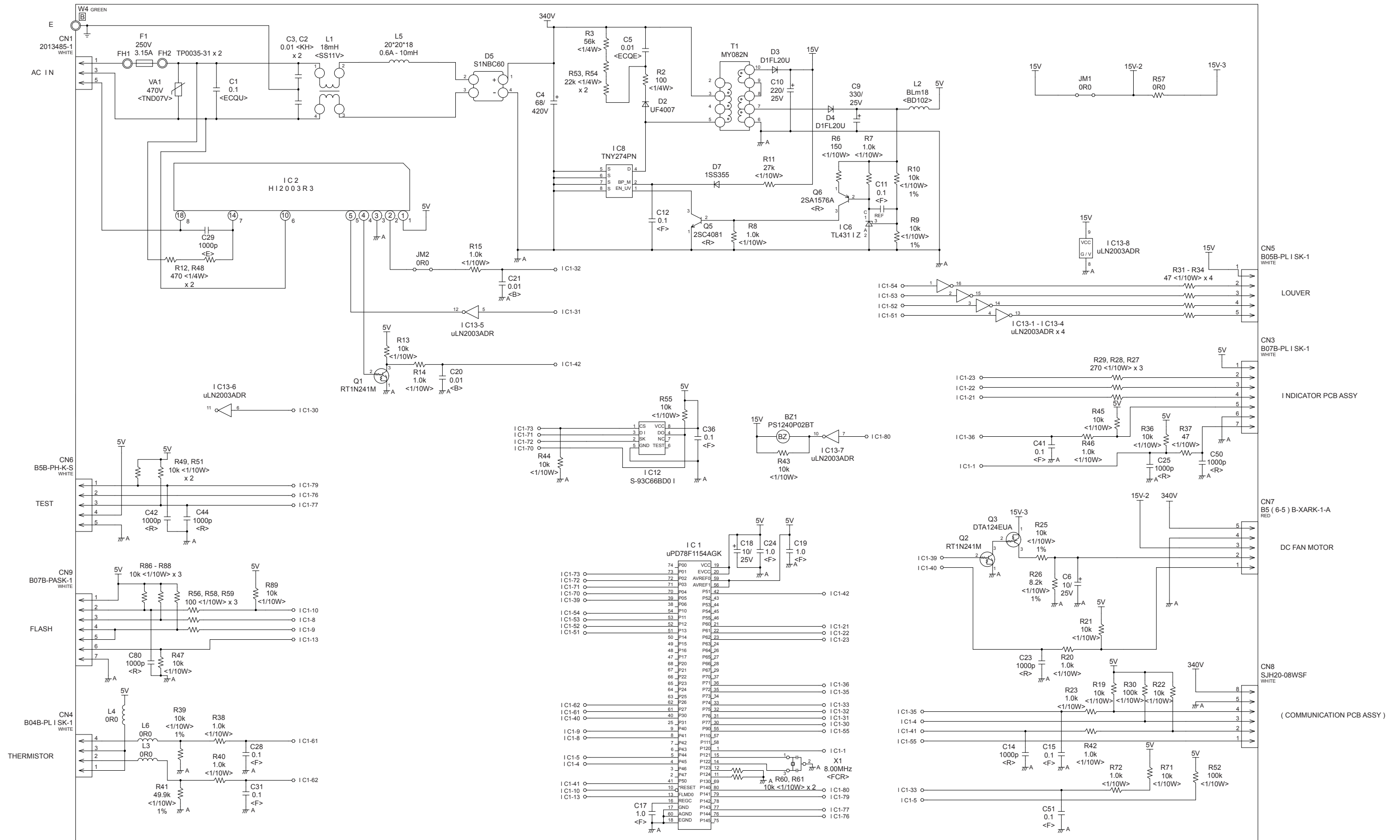


INDOOR PCB
CIRCUIT DIAGRAM

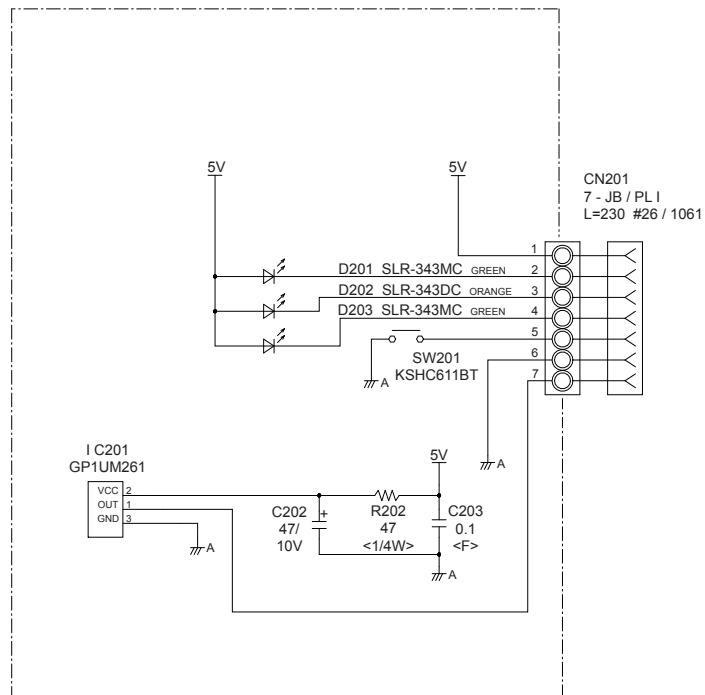
CONTROL UNIT
RSG07LJCA : EZ-01235HSE
RSG09LJCA : EZ-01236HSE
RSG12LJCA : EZ-01237HSE



INDOOR UNIT
COMPACT WALL MOUNTED
CONTROLLER PCB ASSEMBLY (MAIN PCB)
RSG07LJCA : K09DS-1208HSE-C1
RSG09LJCA : K09DS-1209HSE-C1
RSG12LJCA : K09DS-120AHSE-C1

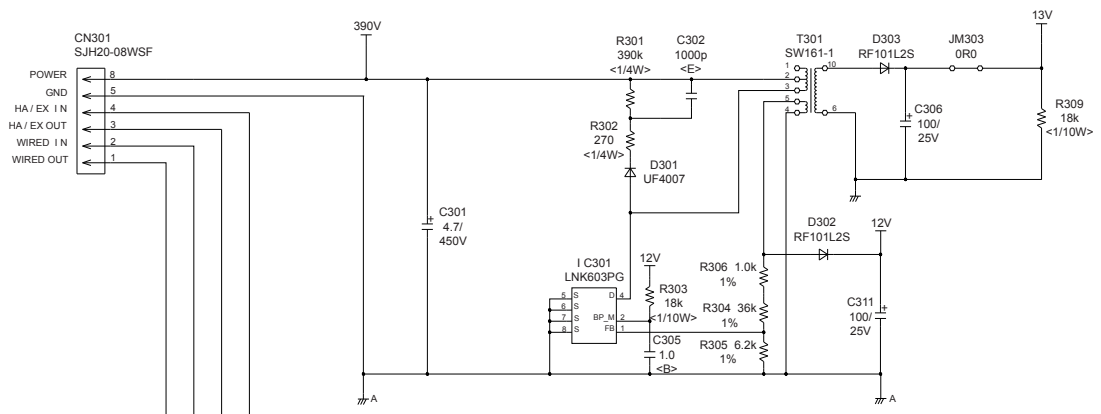


INDOOR UNIT
 COMPACT WALL MOUNTED
 RSG07LJCA
 RSG09LJCA
 RSG12LJCA
 INDICATOR PCB ASSEMBLY
 K07BJ-0900HSD-D0

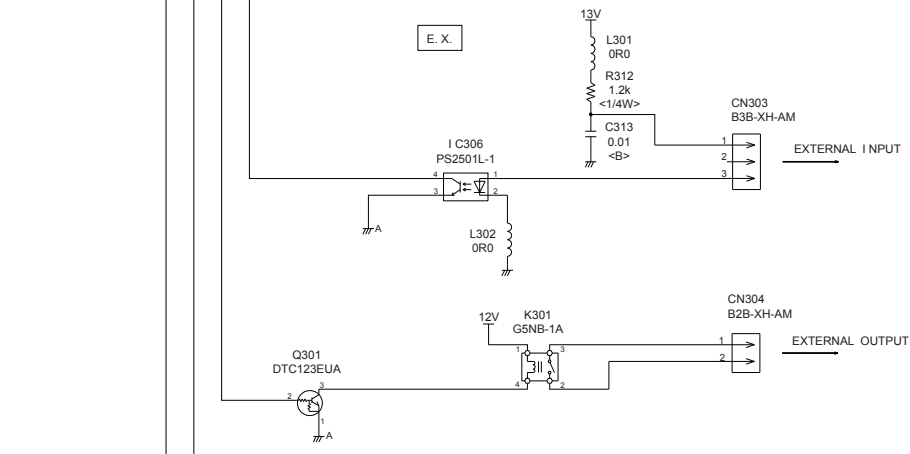


TO CONTROLLER PCB ASSEMBLY

POWER



E. X.



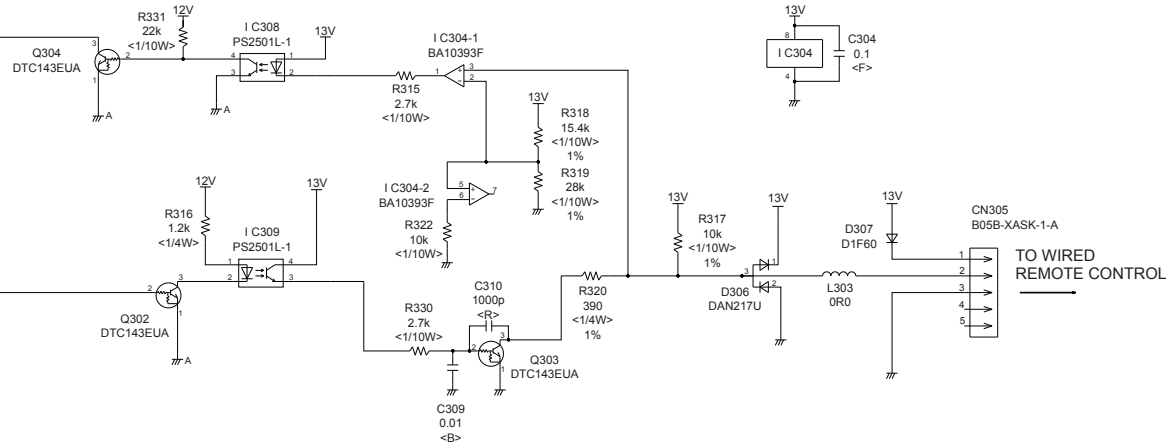
UTY-XCBXZ1

The limitation optional of ASYG07, 09 and 12LJCA

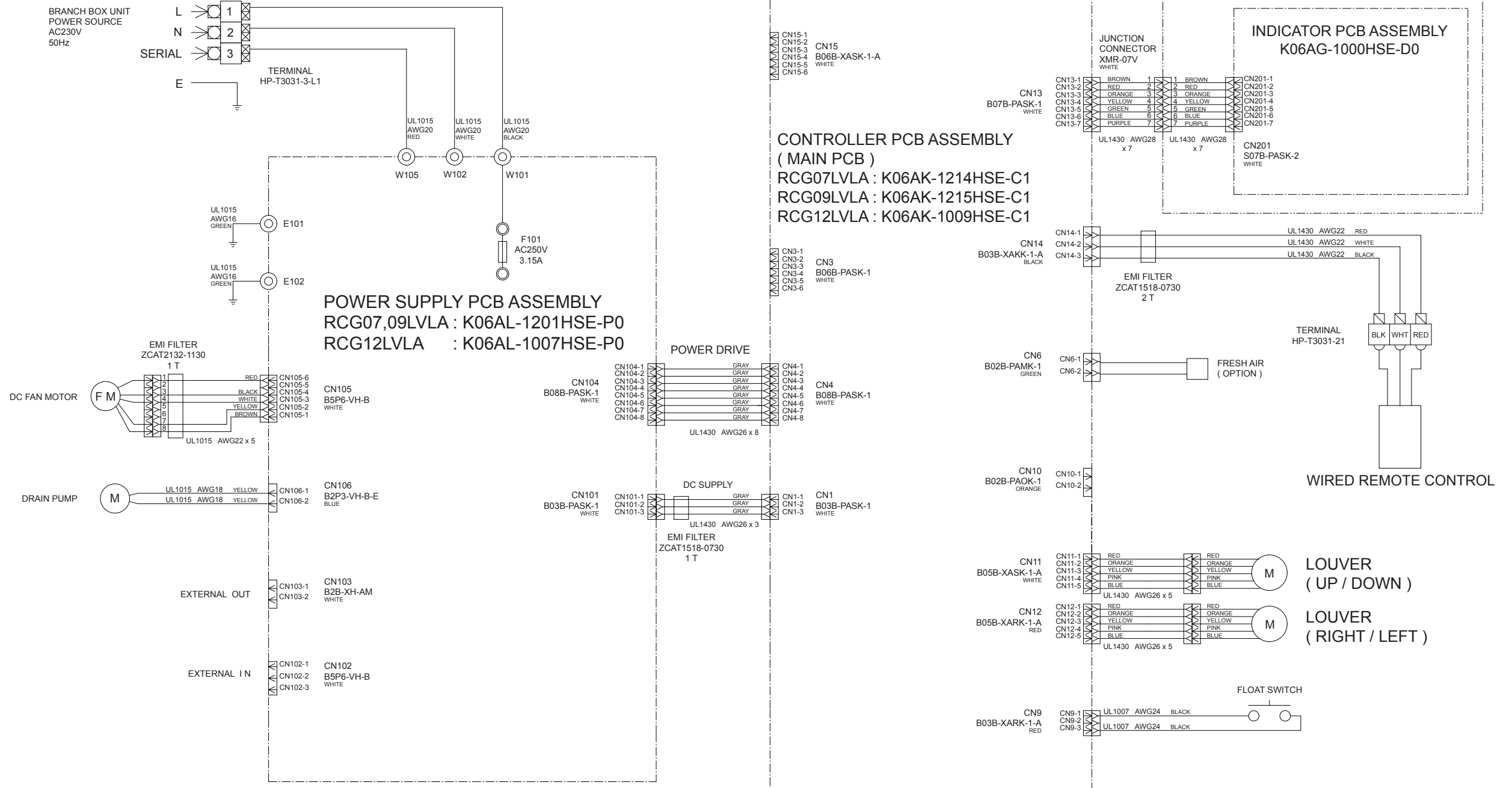
COMMUNICATION PCB ASSEMBLY

K08DG-0801HSE-CA0

WIRED REMOTE CONTROL UNIT

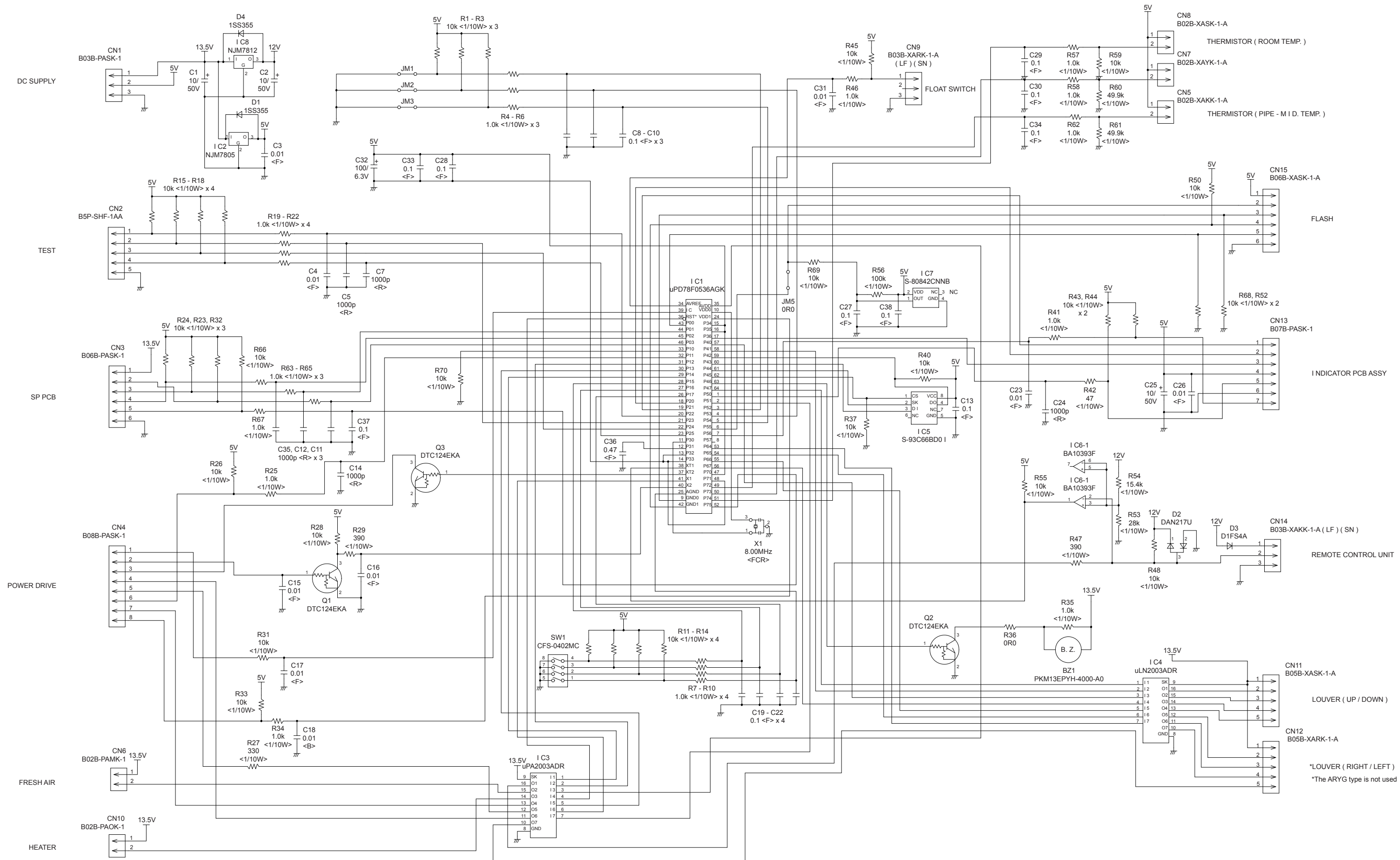


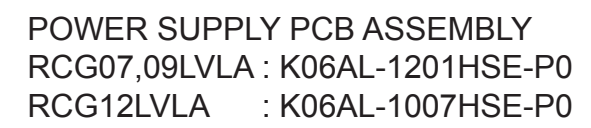
INDOOR UNIT
COMPACT CASSETTE
CONTROL UNIT
RCG07LVLA : EZ-0122FHSE
RCG09LVLA : EZ-0122GHSE
RCG12LVLA : EZ-01006HSE



INDOOR UNIT
CONTROLLER PCB ASSEMBLY (MAIN PCB)

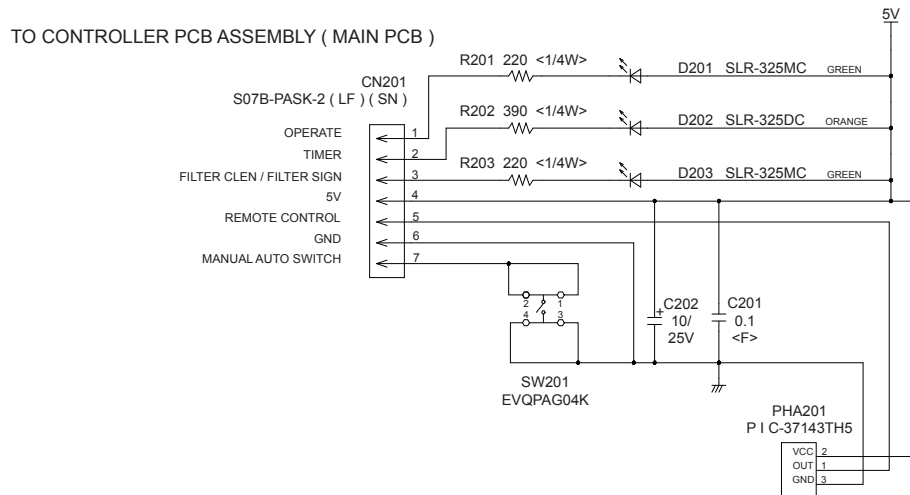
RCG07LVLA : K06AK-1214HSE-C1 RDG07LLTA : K06AK-120KHSE-C1
RCG09LVLA : K06AK-1215HSE-C1 RDG09LLTA : K06AK-120LHSE-C1
RCG12LVLA : K06AK-1009HSE-C1 RDG12LLTA : K06AK-120MHSE-C1



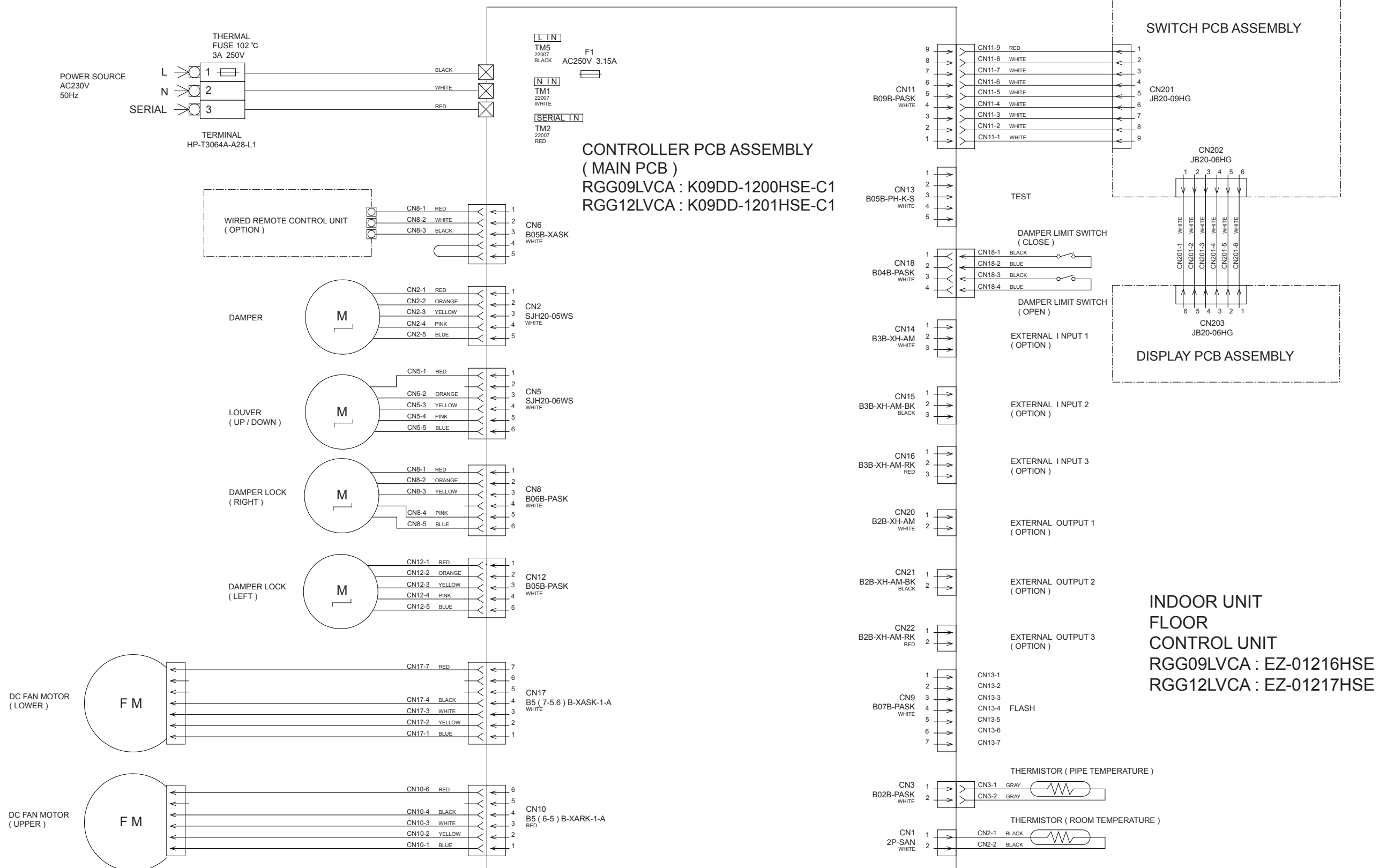


INDOOR UNIT
 COMPACT CASSETTE
 RCG07LVLA
 RCG09LVLA
 RCG12LVLA

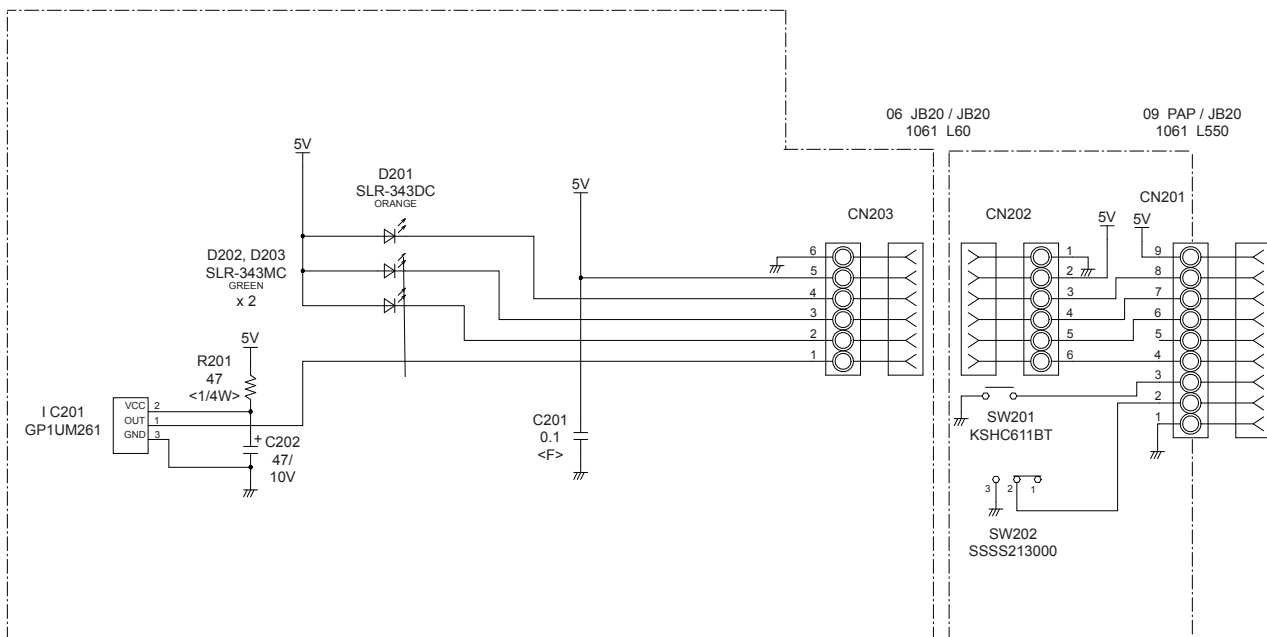
INDICATOR PCB ASSEMBLY (OPTION)
 K06AG-1000HSE-D0



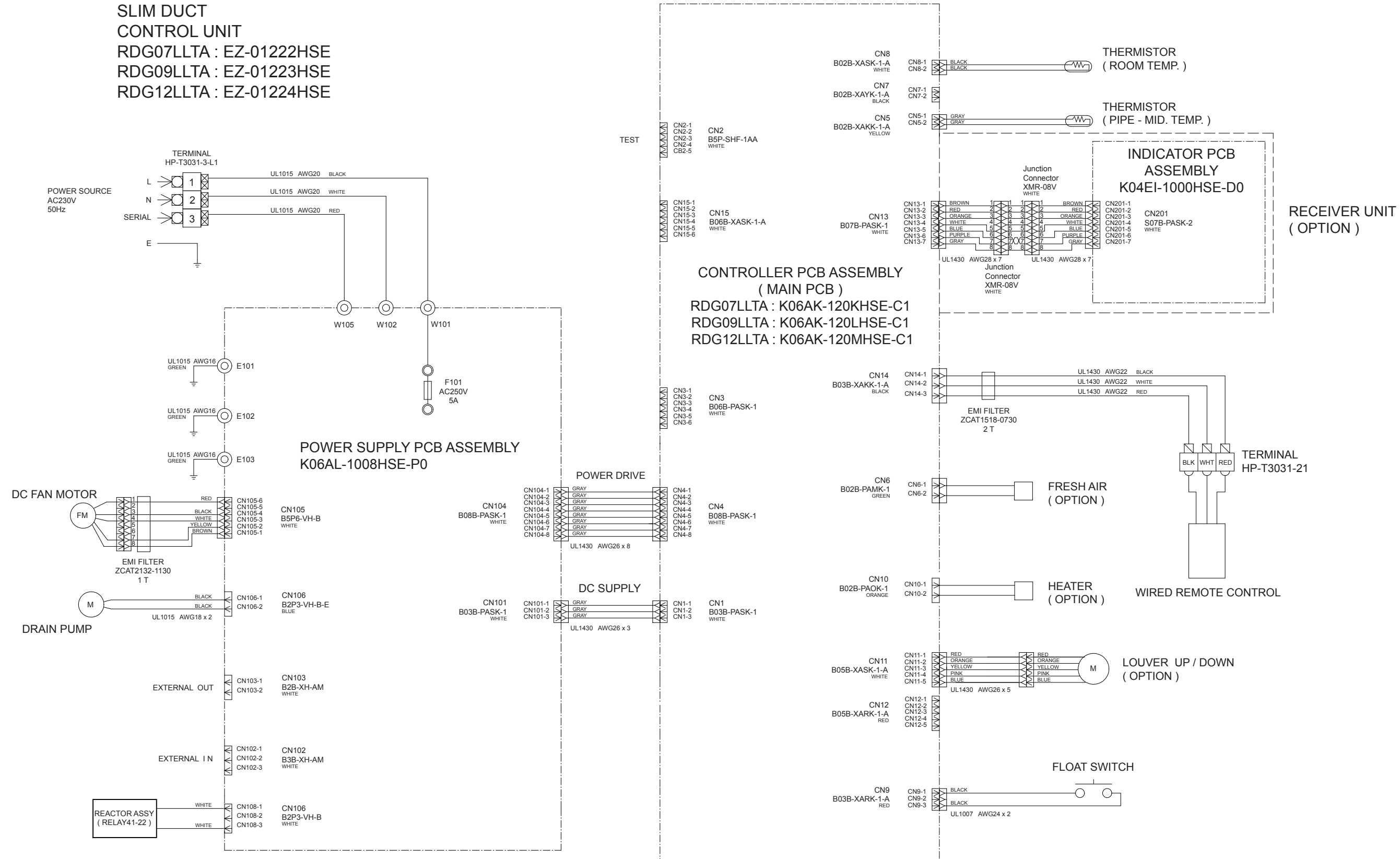
INDICATOR PCB ASSEMBLY (SWITCH + DISPLAY)
K06DD-0801HSE-F0

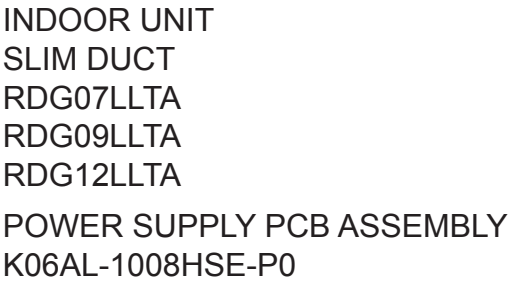


INDOOR UNIT
FLOOR
RGG09LVCA
RGG12LVCA
INDICATOR PCB ASSEMBLY
K06DD-0801HSE-F0



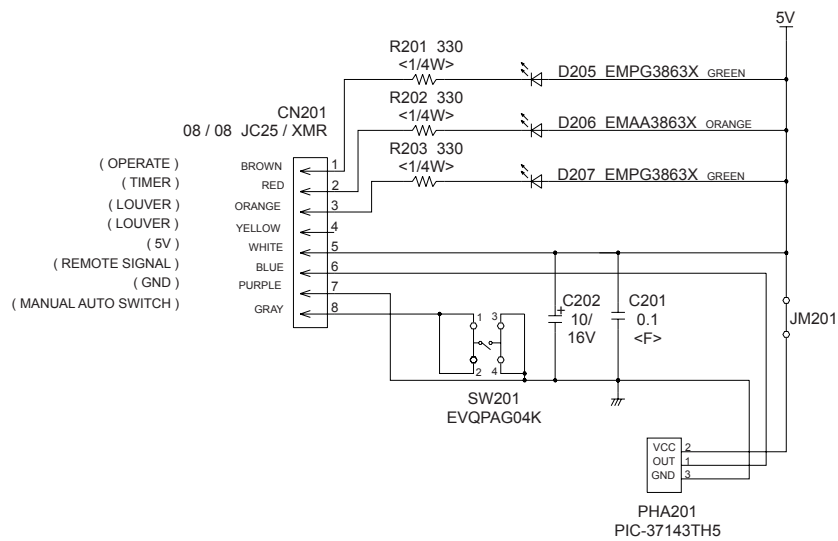
INDOOR UNIT
SLIM DUCT
CONTROL UNIT
RDG07LLTA : EZ-01222HSE
RDG09LLTA : EZ-01223HSE
RDG12LLTA : EZ-01224HSE





INDOOR UNIT
SLIM DUCT
RDG07LLTA
RDG09LLTA
RDG12LLTA

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



- : 0.5s on / 0.5s off
- ◇ : 0.1s on / 0.1s off
- () : Number of flashing

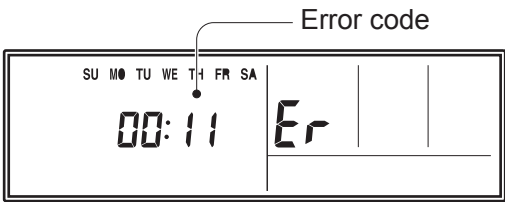
ERROR DETECTION

INDOOR UNIT
and WIRED REMOTE CONTROL

If you use a wireless remote control, the lamp on the photo detector unit will output error codes by way of blinking patterns.
If you use a wired type remote control, error codes will appear on the remote control display. See the lamp blinking patterns and error codes in the table. An error display is displayed only during running.

This is possible only on a wired remote control.

If an error occurs, the following display will be shown.
("Er" will appear in the set room temperature display.)



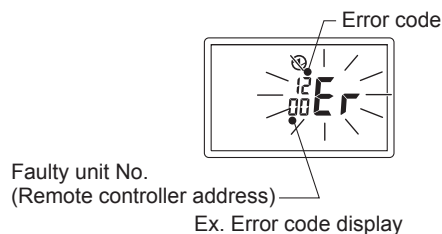
EX. Self-diagnosis

Indoor unit			Wired remote control	Description
OPERATION lamp (green)	TIMER lamp (orange)	ECONOMY lamp (green)		
● (1)	● (1)	◇	11	Serial communication error
● (1)	● (2)	◇	12	Wired remote control communication error
● (1)	● (5)	◇	15	Check run unfinished
● (2)	● (1)	◇	21	Unit number or Refrigerant circuit address setting error [Simultaneous Multi]
● (2)	● (2)	◇	22	Indoor unit capacity error
● (2)	● (3)	◇	23	Combination error
● (2)	● (4)	◇	24	• Connection unit number error (indoor slave unit) [Simultaneous Multi] • Connection unit number error (indoor unit or branch unit) [Flexible Multi]
● (2)	● (7)	◇	27	Master unit, slave unit set-up error [Simultaneous Multi]
● (3)	● (2)	◇	32	Indoor unit PCB model information error
● (3)	● (5)	◇	35	Manual auto switch error
● (4)	● (1)	◇	41	Inlet air temp. sensor error
● (4)	● (2)	◇	42	Indoor unit Heat Ex. Middle temp. sensor error
● (5)	● (1)	◇	51	Indoor unit fan motor error
● (5)	● (3)	◇	53	Drain pump error
● (5)	● (7)	◇	57	Damper error
● (5)	● (15)	◇	5U	Indoor unit error
● (6)	● (2)	◇	62	Outdoor unit main PCB model information error or communication error
● (6)	● (3)	◇	63	Inverter error
● (6)	● (4)	◇	64	Active filter error, PFC circuit error
● (6)	● (5)	◇	65	Trip terminal L error
● (6)	● (10)	◇	6A	Display PCB microcomputers communication error
● (7)	● (1)	◇	71	Discharge temp. sensor error
● (7)	● (2)	◇	72	Compressor temp. sensor error
● (7)	● (3)	◇	73	Outdoor unit Heat Ex. liquid temp. sensor error
● (7)	● (4)	◇	74	Outdoor temp. sensor error
● (7)	● (5)	◇	75	Suction Gas temp. sensor error
● (7)	● (6)	◇	76	• 2-way valve temp. sensor error • 3-way valve temp. sensor error
● (7)	● (7)	◇	77	Heat sink temp. sensor error
● (8)	● (2)	◇	82	• Sub-cool Heat Ex. gas inlet temp. sensor error • Sub-cool Heat Ex. gas outlet temp. sensor error
● (8)	● (3)	◇	83	Liquid pipe temp. sensor error
● (8)	● (4)	◇	84	Current sensor error
● (8)	● (6)	◇	86	• Discharge pressure sensor error • Suction pressure sensor error • High pressure switch error
● (9)	● (4)	◇	94	Trip detection
● (9)	● (5)	◇	95	Compressor rotor position detection error (permanent stop)
● (9)	● (7)	◇	97	Outdoor unit fan motor error
● (9)	● (9)	◇	99	4-way valve error
● (10)	● (1)	◇	A1	Discharge temp. error
● (10)	● (3)	◇	A3	Compressor temp. error
● (10)	● (4)	◇	A4	High pressure error
● (10)	● (5)	◇	A5	Low pressure error
● (13)	● (2)	◇	J2	Branch boxes error [Flexible Multi]

REMOTE CONTROL

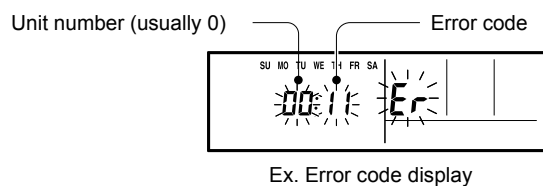
SIMPLE REMOTE CONTROLLER

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

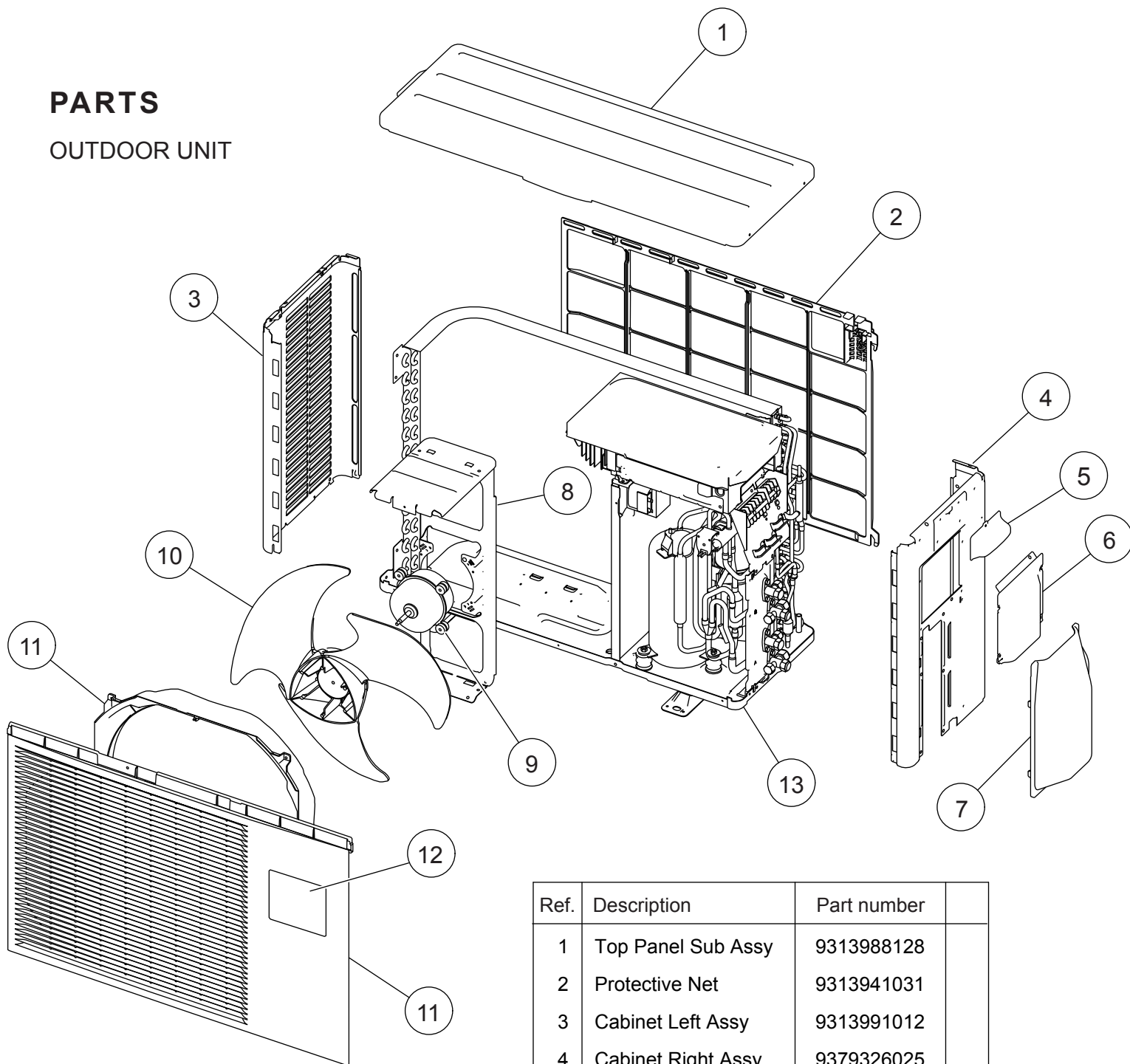
If an error occurs, the following display will be shown.
 ("Er" will appear in the set room temperature display.)
 If "Er" is displayed, immediately contact authorized service personnel.



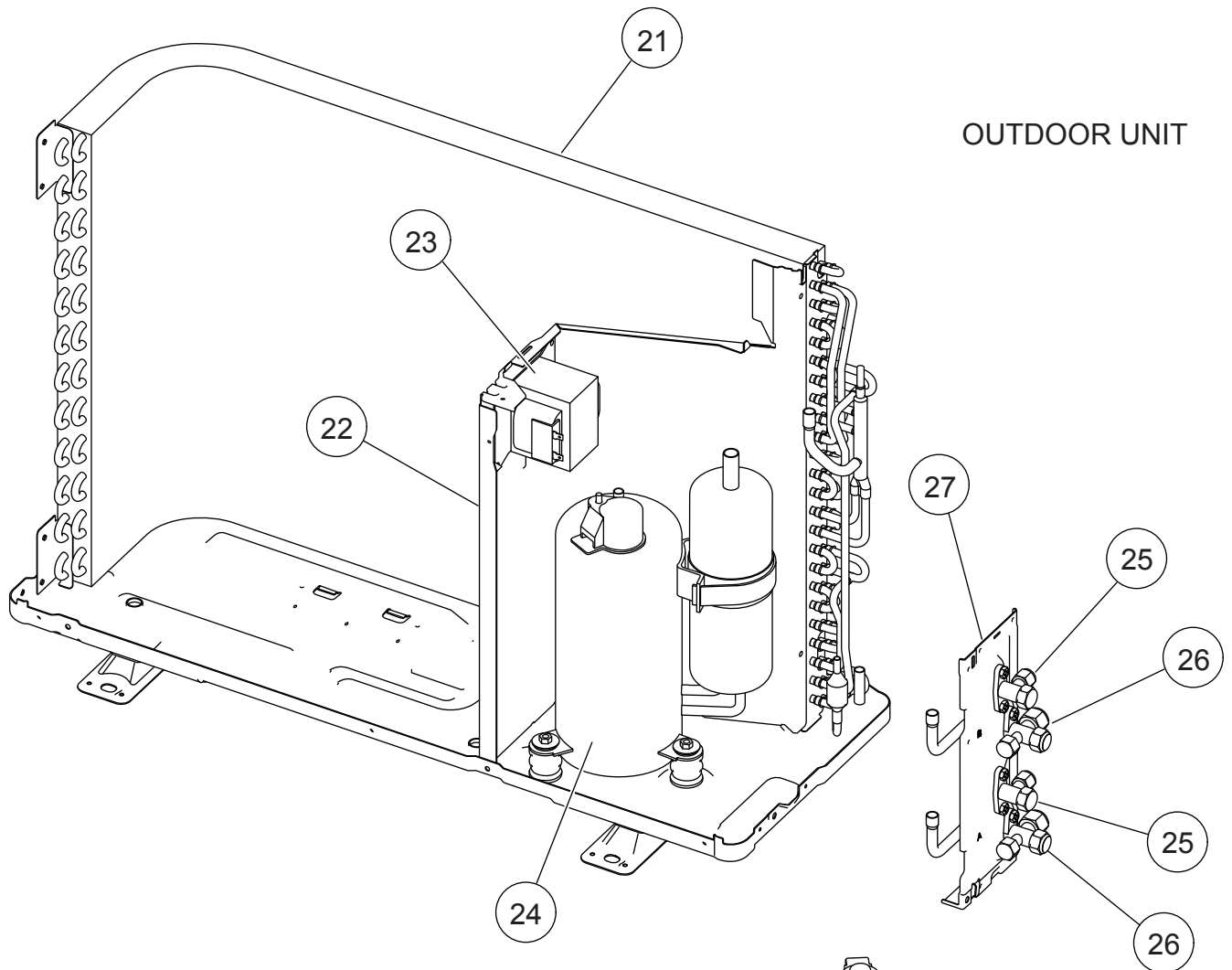
Code	Error Contents
1 1	Serial Communication Error
1 2	Wired Remote Controller Communication Error
1 5	Chech Run Unfinished
2 1	Number of Wires and Pipes Error
2 2	Indoor Unit Capacity Error
2 3	Connected Combination Error
2 4	Number of Indoor Units Error Number of Branch boxes Error
3 2	Indoor Unit 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
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

PARTS

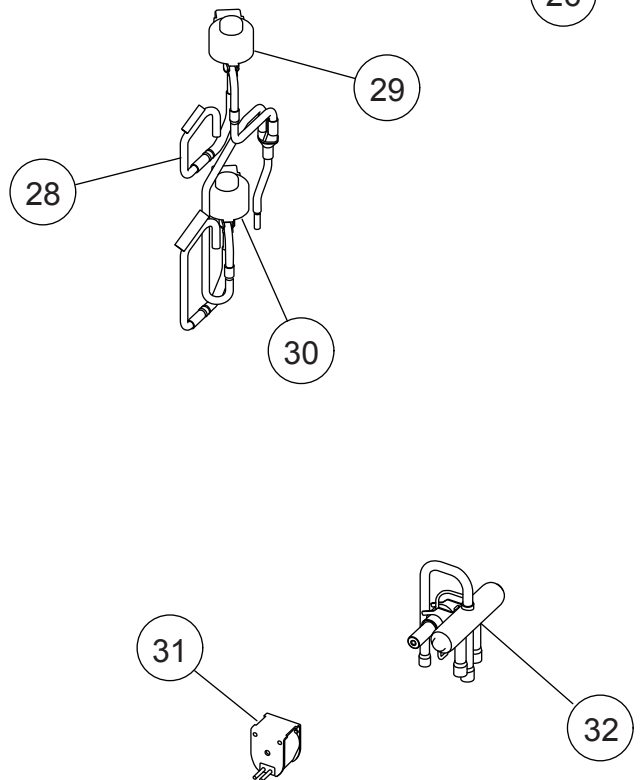
OUTDOOR UNIT



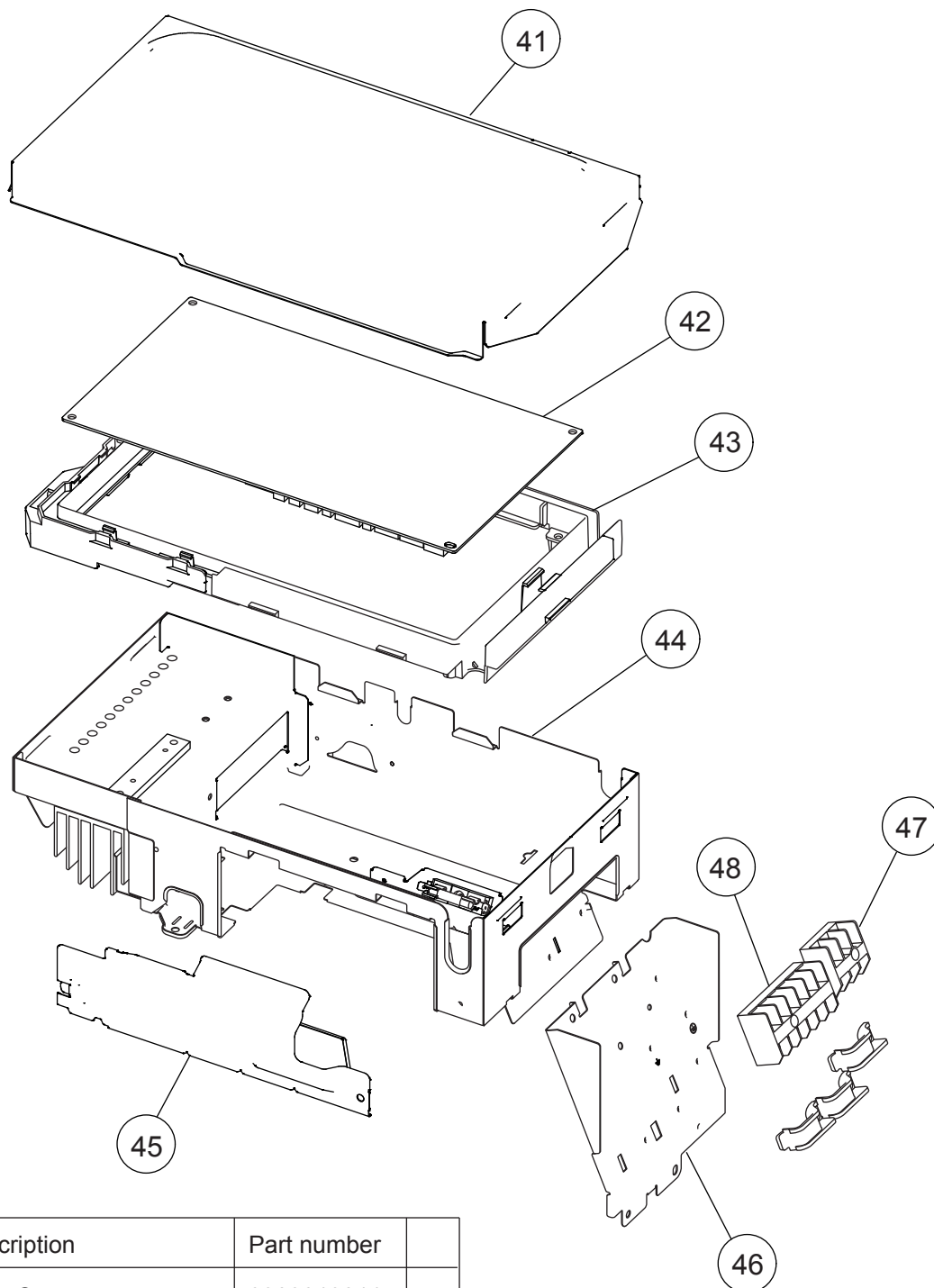
Ref.	Description	Part number	
1	Top Panel Sub Assy	9313988128	
2	Protective Net	9313941031	
3	Cabinet Left Assy	9313991012	
4	Cabinet Right Assy	9379326025	
5	Grip	9317588003	
6	Switch Cover A Assy	9379320016	
7	Switch Cover B	9379206013	
8	Motor Bracket Assy	9313990053	
9	Fan Motor	9602864003	
10	Propeller Fan	9313808013	
11	Front Panel Assy	9313972028	
12	Emblem Rear	9319158006	
13	Base Assy	9316885004	
--	Drain Assy	9303029022	



Ref.	Description	Part number	
21	Condenser Total Assy	9314107061	
22	Separater Assy (14)	9379344012	
22	Separater Assy (18)	9317781015	
23	Reactor Assy (14)	9900611019	
23	Reactor Assy (18)	9900354022	
24	Compressor Assy (14)	9379315012	
24	Compressor Assy (18)	9379679008	
25	2-way Valve Assy	9317171038	
26	3-way Valve Assy	9317174053	
27	Valve Bracket	9379194013	
28	Expansion Valve Assy	9379334013	
29	Expansion Valve Coil (L=650)	9970095016	
30	Expansion Valve Coil (L=850)	9970096044	
31	Solenoid	9970033032	
32	4-way Valve	9970065019	



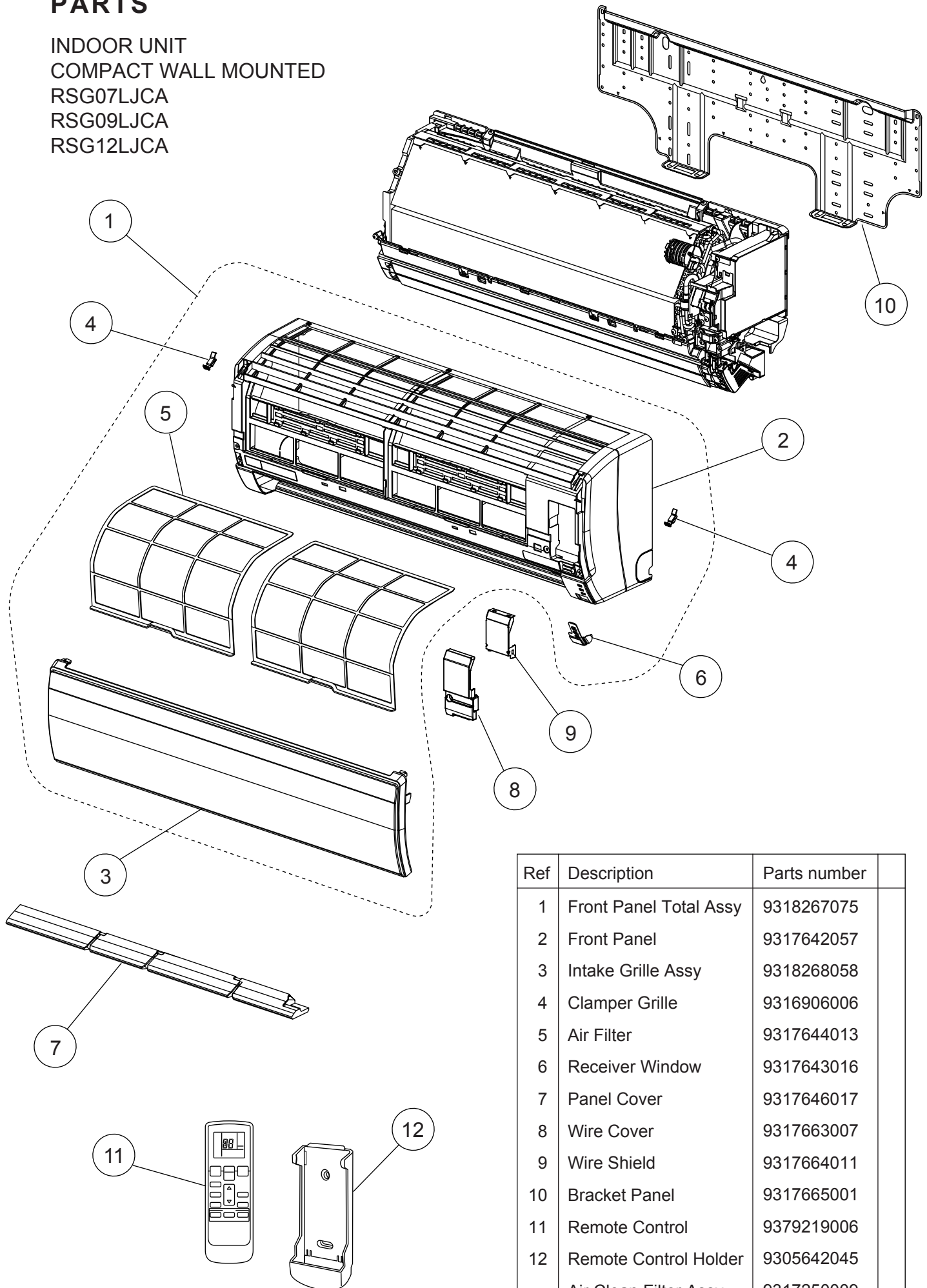
OUTDOOR UNIT



Ref.	Description	Part number	
41	Case Cover	9309913011	
42	Inverter PCB Assy (14)	9708080093	
42	Inverter PCB Assy (18)	9708080109	
43	PCB Holder	9313074029	
44	Inverter Case Assy	9379673013	
45	Inverter Case Cover	9379252010	
46	Terminal Bracket Assy	9379324021	
47	Terminal 3P	9306489175	
48	Terminal 6P	9900016050	
--	Valve Thermistor Assy	9900535001	
--	Pipe Thermistor Assy	9900536008	
--	Outdoor Thermistor	9900544003	
--	Heatsink Thermistor	9900518035	
--	Compressor Thermistor (18)	9900516017	

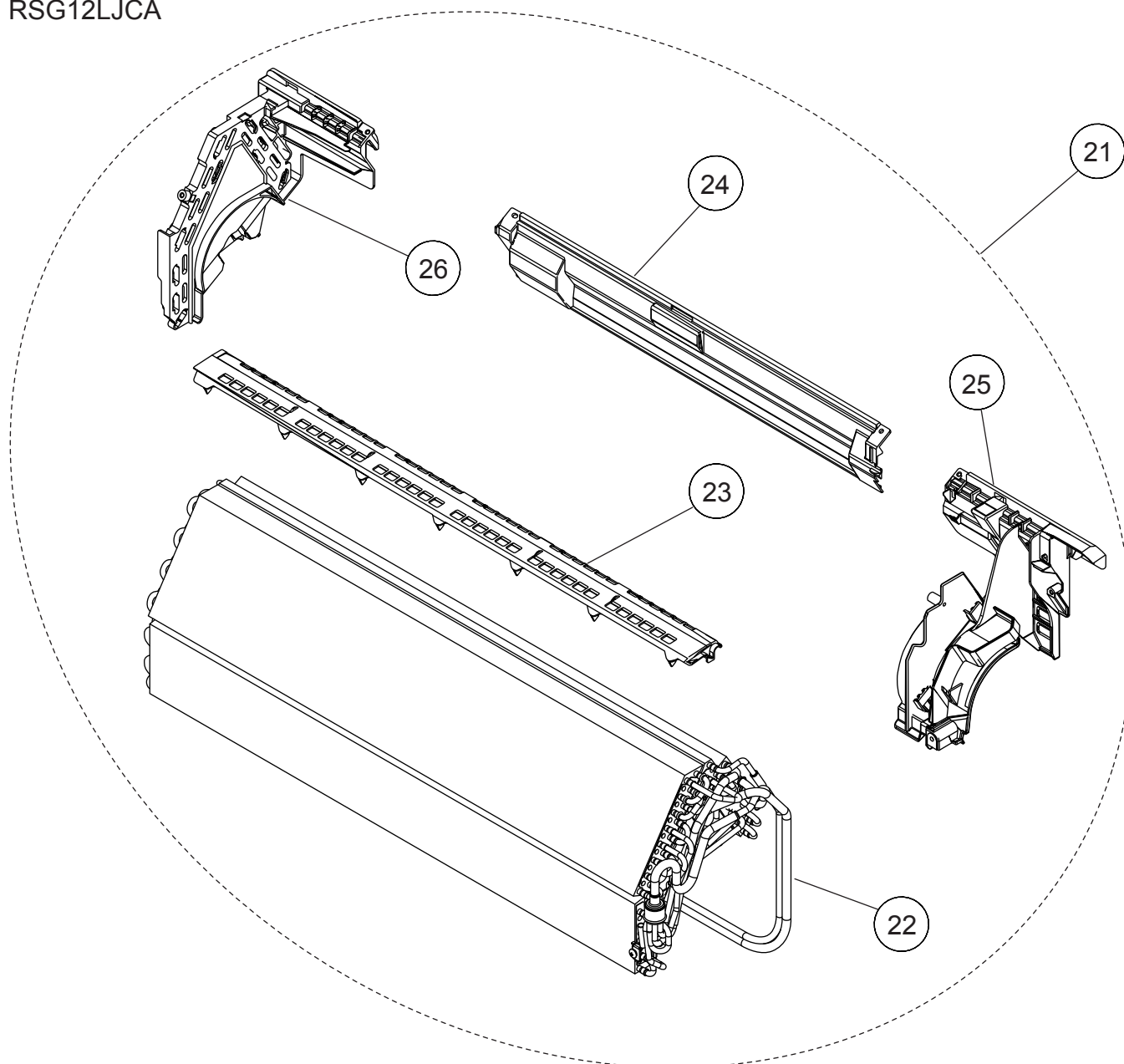
PARTS

INDOOR UNIT
COMPACT WALL MOUNTED
RSG07LJCA
RSG09LJCA
RSG12LJCA

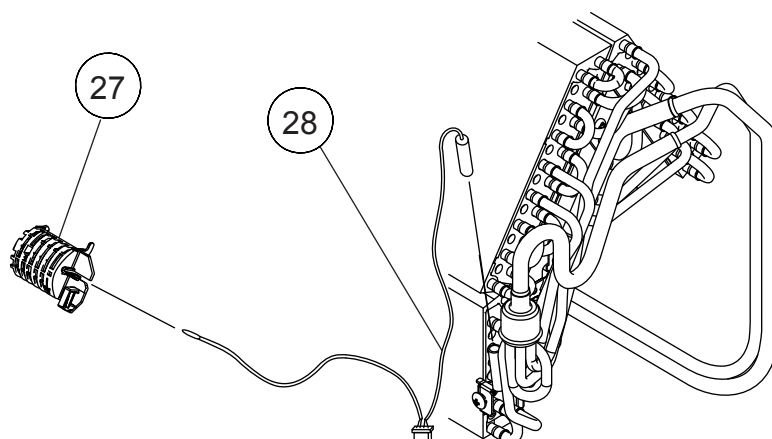


Ref	Description	Parts number
1	Front Panel Total Assy	9318267075
2	Front Panel	9317642057
3	Intake Grille Assy	9318268058
4	Clamper Grille	9316906006
5	Air Filter	9317644013
6	Receiver Window	9317643016
7	Panel Cover	9317646017
8	Wire Cover	9317663007
9	Wire Shield	9317664011
10	Bracket Panel	9317665001
11	Remote Control	9379219006
12	Remote Control Holder	9305642045
--	Air Clean Filter Assy	9317250009

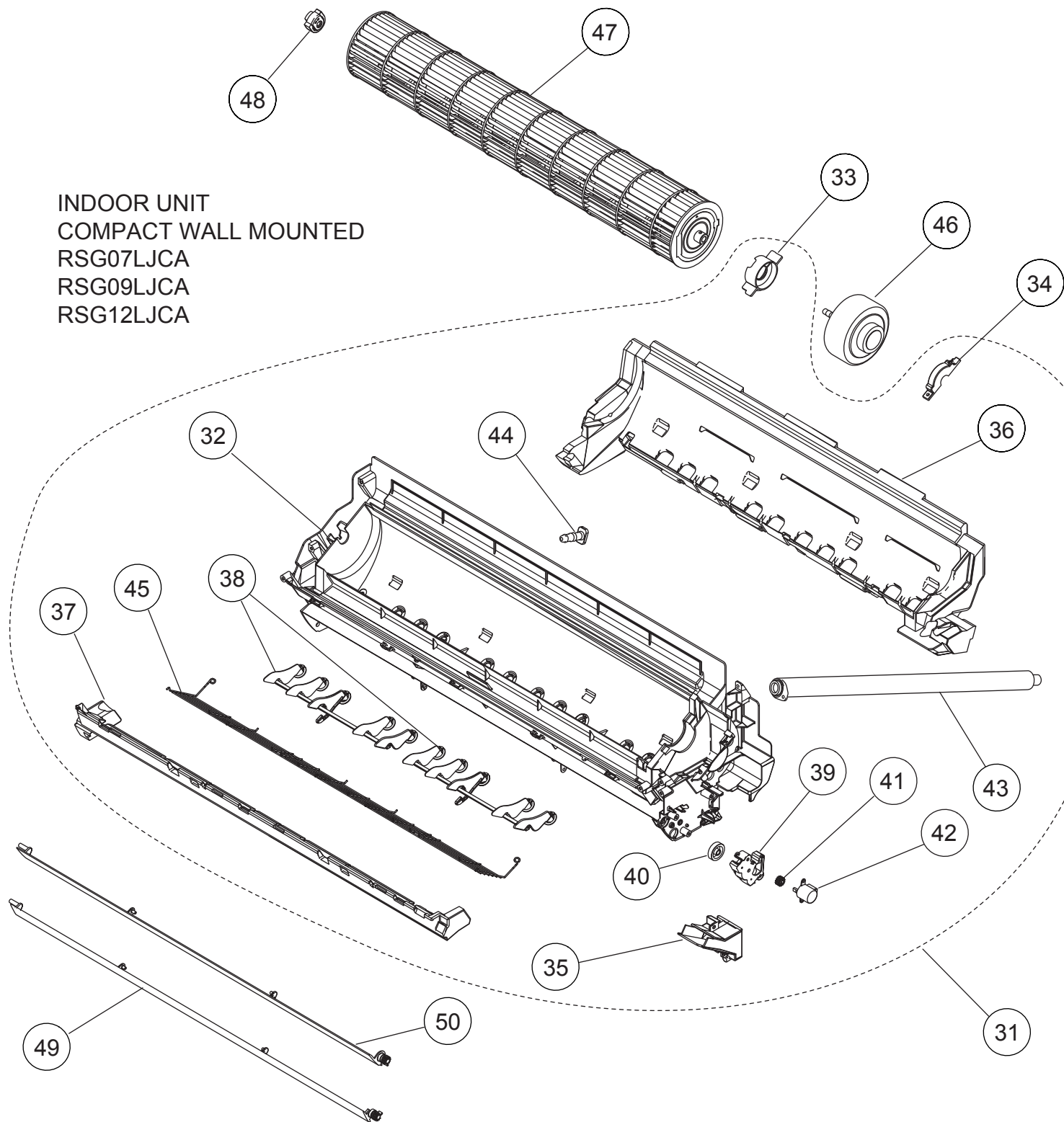
INDOOR UNIT
COMPACT WALL MOUNTED
RSG07LJCA
RSG09LJCA
RSG12LJCA



Ref	Description	Parts number	
21	Evaporator Total Assy	9317820011	
22	Joint Pipe Assy	9317838009	
23	Filter Guide	9317652001	
24	Rear Bracket	9317651004	
25	Evaporator Holder R	9317650007	
26	Evaporator Holder L	9317649001	
27	Holder (Room Thermistor)	9316895003	
28	Thermistor Assy	9900563004	

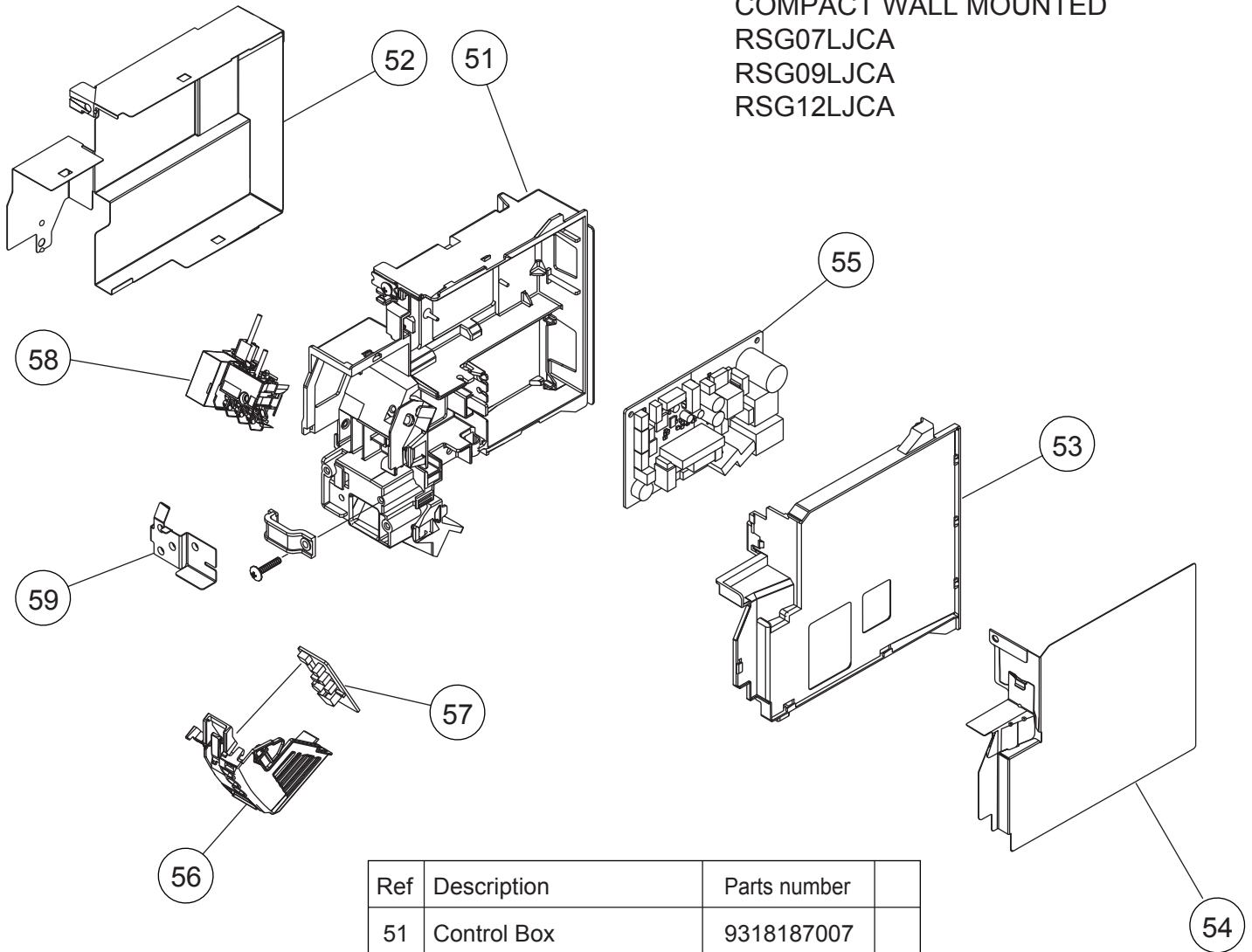


INDOOR UNIT
COMPACT WALL MOUNTED
RSG07LJCA
RSG09LJCA
RSG12LJCA



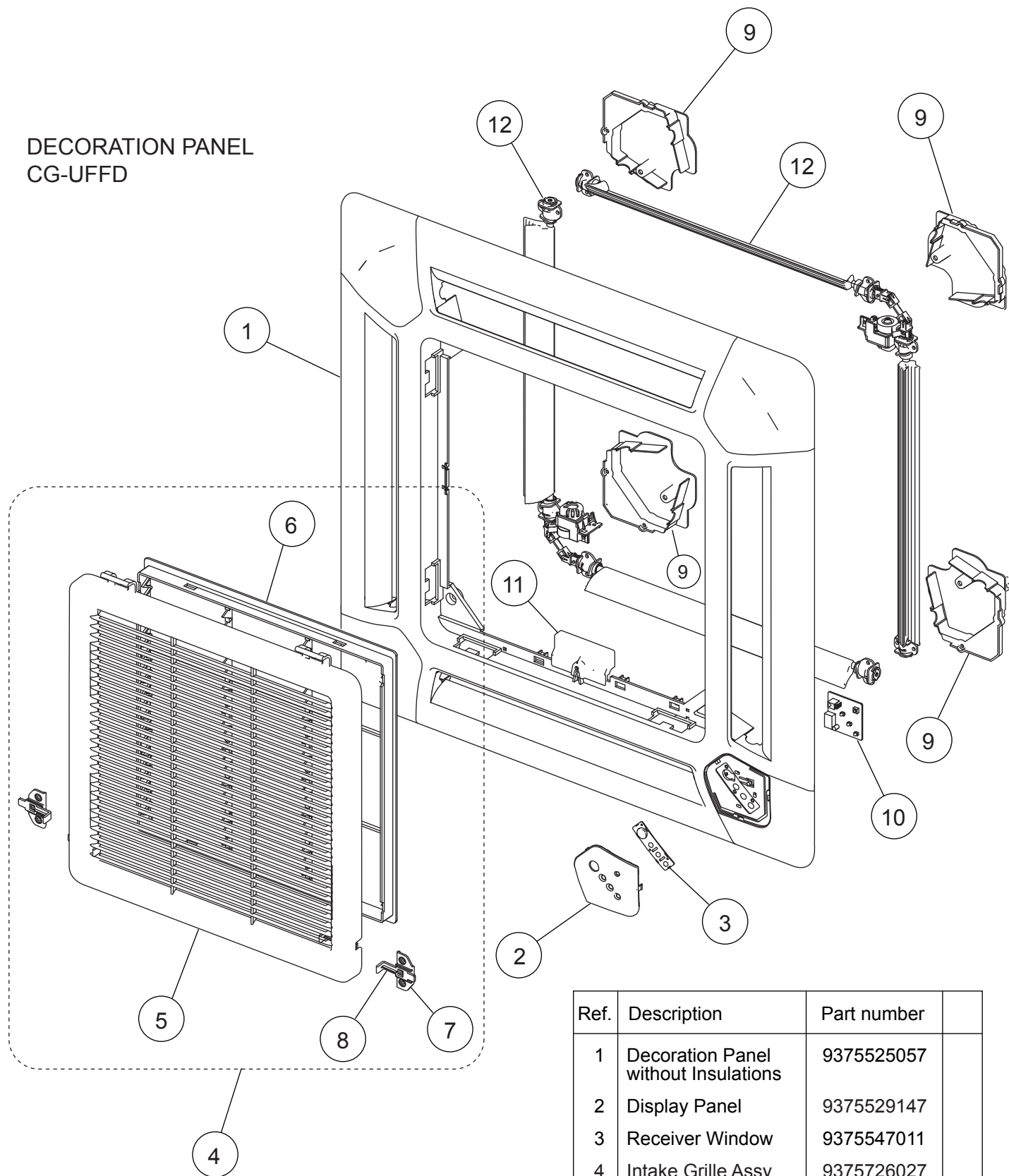
Ref	Description	Parts number	Ref	Description	Parts number
31	Casing Assy	9318264050	41	Gear A	9309994003
32	Casing	9317647014	42	Motor Step	9900384128
33	Motor Cover	9316568006	43	Drain Hose Assy	9316904002
34	Motor Cover	9316601000	44	Drain Cap	9316177017
35	Cable Guide	9316567009	45	Fan Guard	9332277005
36	Casing Cover B	9317653015	46	Fan Motor	9602704002
37	Casing Cover F	9317654005	47	Crossflow Fan Assy	9316830004
38	R AND L Louver B	9316961012	48	Bearing C Assy	9306628017
39	Louver Gear Holder	9317669016	49	Louver U	9317656016
40	Louver Gear	9317648004	50	Louver Z	9317657006

INDOOR UNIT
COMPACT WALL MOUNTED
RSG07LJCA
RSG09LJCA
RSG12LJCA



Ref	Description	Parts number	
51	Control Box	9318187007	
52	Box Shield	9317575010	
53	Control Cover	9317659017	
54	Cover Shield	9317923002	
55	Controller PCB Assy (07)	9708536378	
55	Controller PCB Assy (09)	9708536385	
55	Controller PCB Assy (12)	9708536392	
56	Display Case	9317662000	
57	Display PCB Assy	9707649024	
58	Terminal	9900529017	
59	Earth Terminal	9316586000	

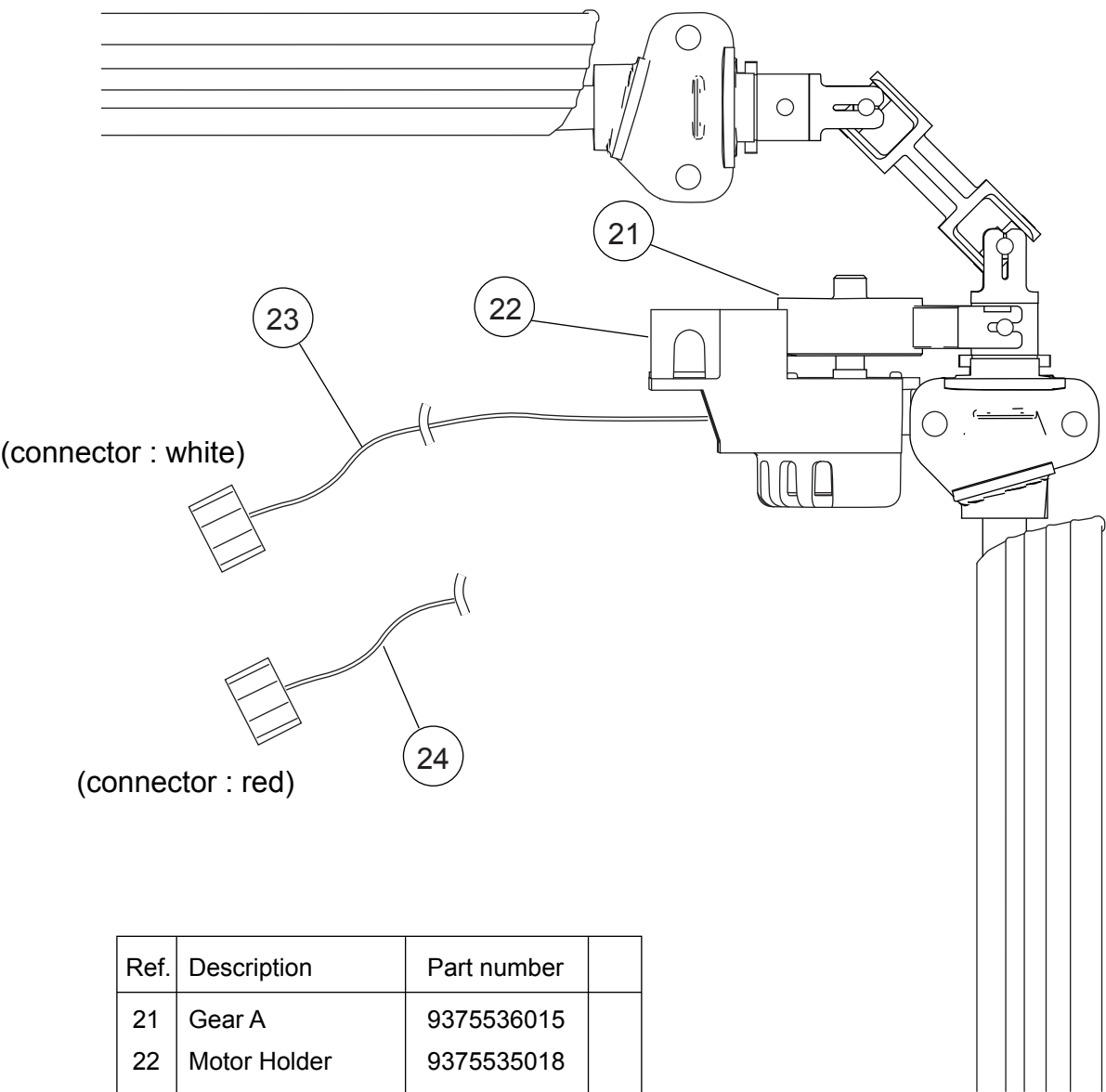
DECORATION PANEL
CG-UFFD



Ref.	Description	Part number	
1	Decoration Panel without Insulations	9375525057	
2	Display Panel	9375529147	
3	Receiver Window	9375547011	
4	Intake Grille Assy	9375726027	
5	Intake Grille	9375531027	
6	Long Life Filter	9375533014	
7	Hook Bracket	9375546014	
8	Grille Hook	9375532024	
9	Panel Cover without Insulations	9375530013	
10	Indicator PCB Assy	9707371031	
11	Connector Cover	9375549015	
12	Flap Total Assy	9377760029	

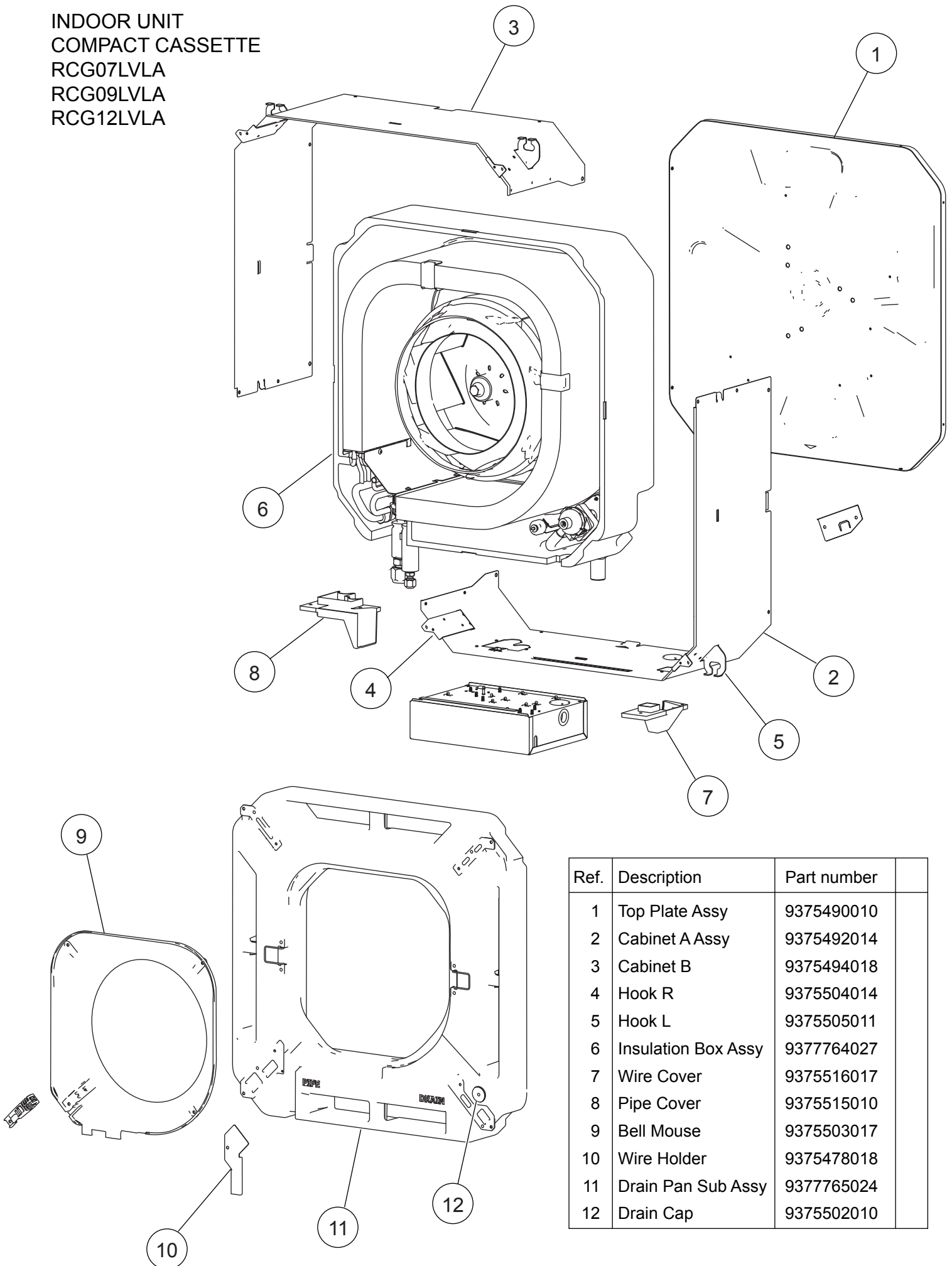
DECORATION PANEL
CG-UFFD

Flap total assy
Motor holder assy

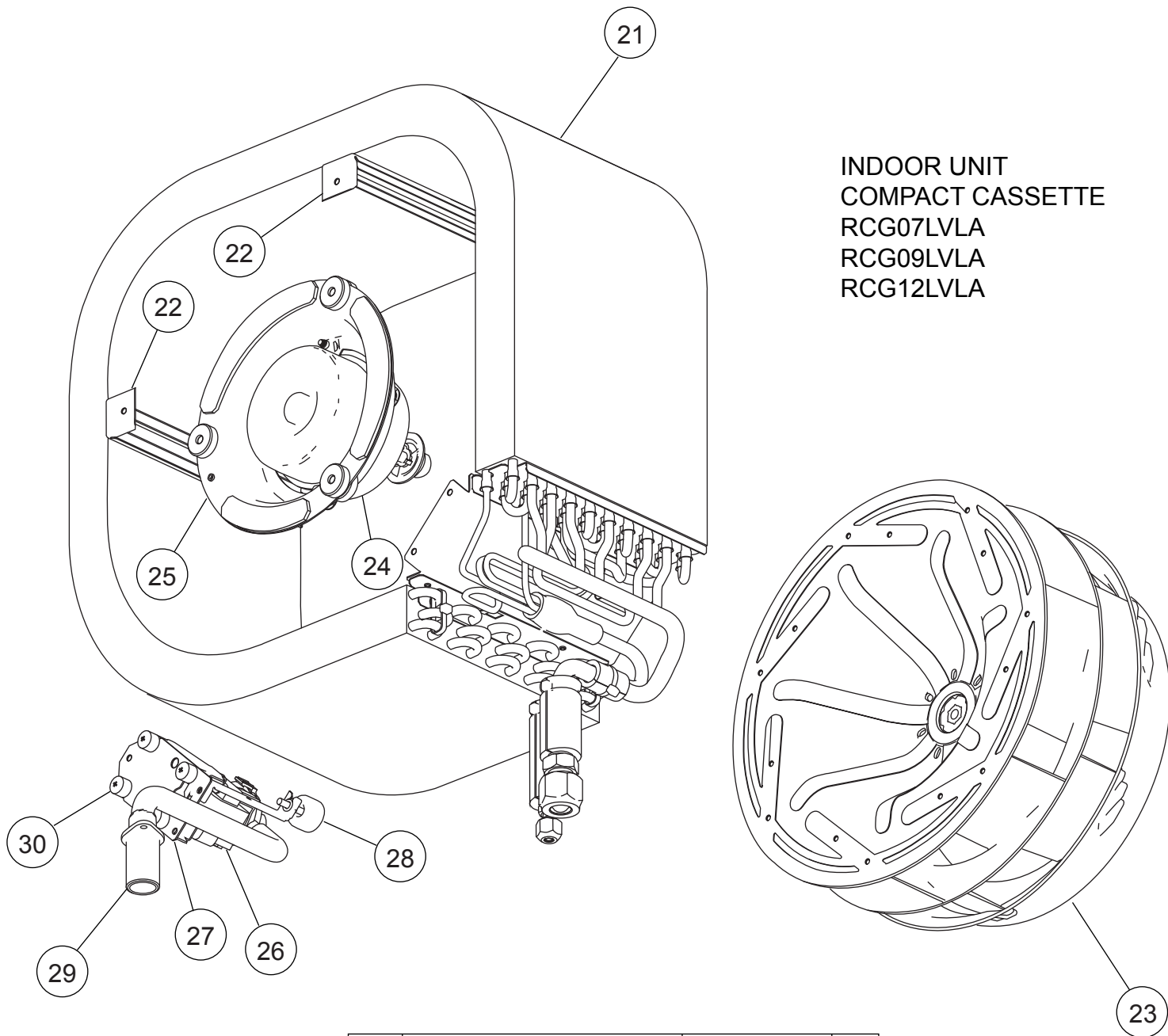


Ref.	Description	Part number	
21	Gear A	9375536015	
22	Motor Holder	9375535018	
23	Step Motor (white connector)	9900139070	
24	Step Motor (red connector)	9900139087	

INDOOR UNIT
COMPACT CASSETTE
RCG07LVLA
RCG09LVLA
RCG12LVLA

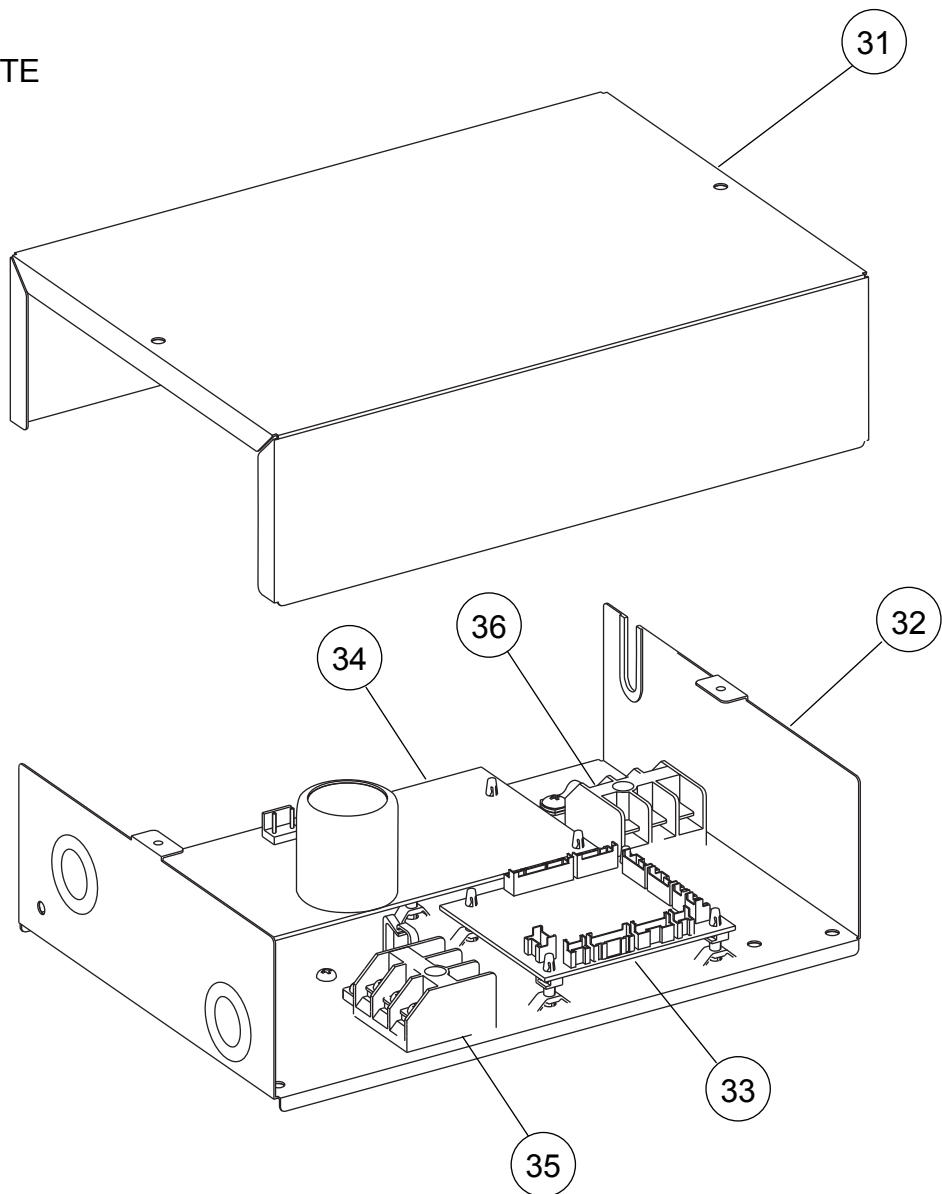


Ref.	Description	Part number
1	Top Plate Assy	9375490010
2	Cabinet A Assy	9375492014
3	Cabinet B	9375494018
4	Hook R	9375504014
5	Hook L	9375505011
6	Insulation Box Assy	9377764027
7	Wire Cover	9375516017
8	Pipe Cover	9375515010
9	Bell Mouse	9375503017
10	Wire Holder	9375478018
11	Drain Pan Sub Assy	9377765024
12	Drain Cap	9375502010



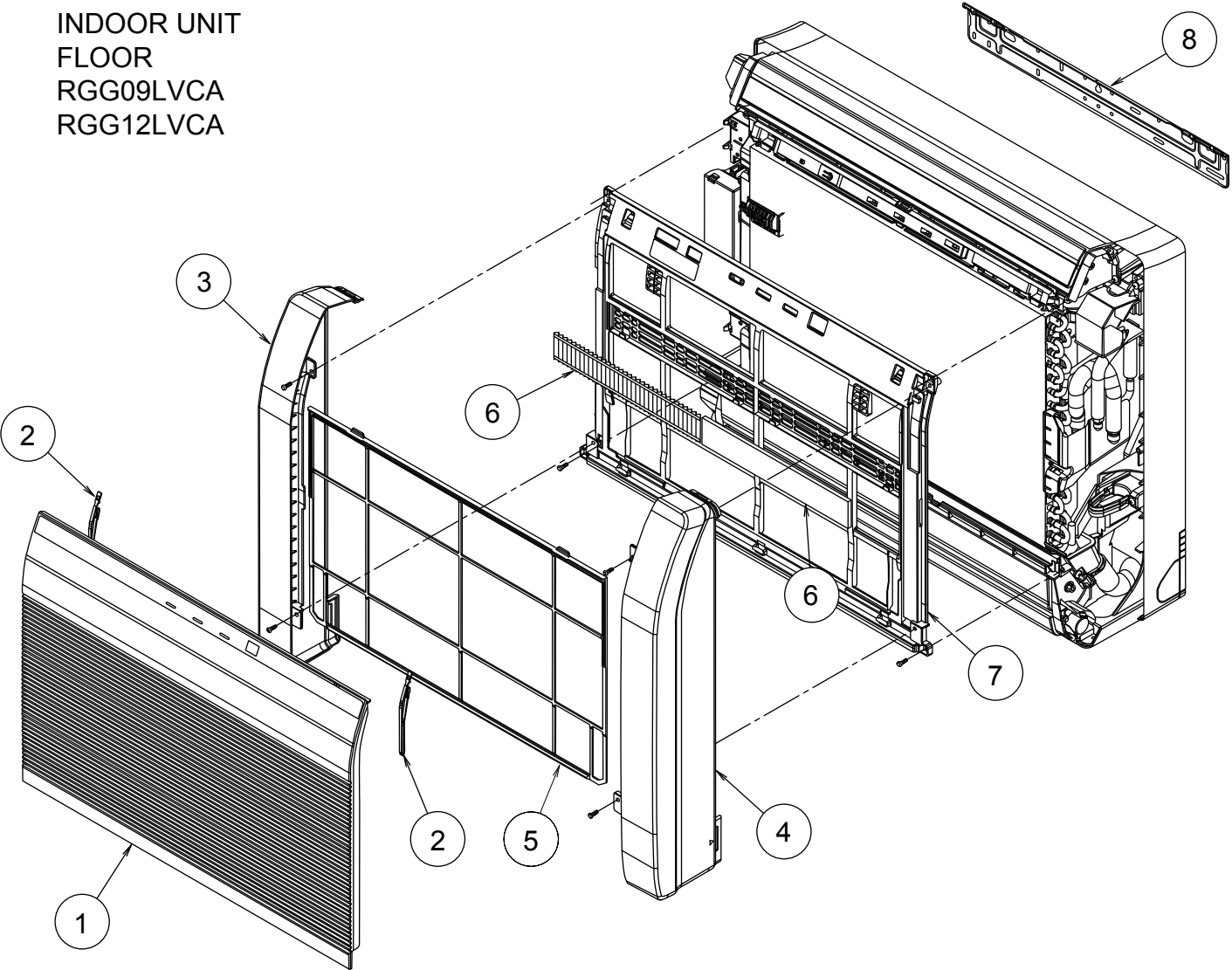
Ref.	Description	Part number	
21	Evaporator Total Assy (07)	9375720087	
21	Evaporator Total Assy (09, 12)	9375720032	
22	Evaporator Holder	9375508012	
23	2 Stage Turbo Fan Assy	9375480011	
24	Fan Motor	9602436019	
25	Fan Motor Holder	9375552015	
26	Pump Assy	9900472030	
27	Drain Pump Holder B	9375518011	
28	Float Switch	9900361037	
29	Drain Port Sub Assy	9375718015	
30	Rubber (Pump)	9378426016	

INDOOR UNIT
 COMPACT CASSETTE
 RCG07LVLA
 RCG09LVLA
 RCG12LVLA
 Control unit



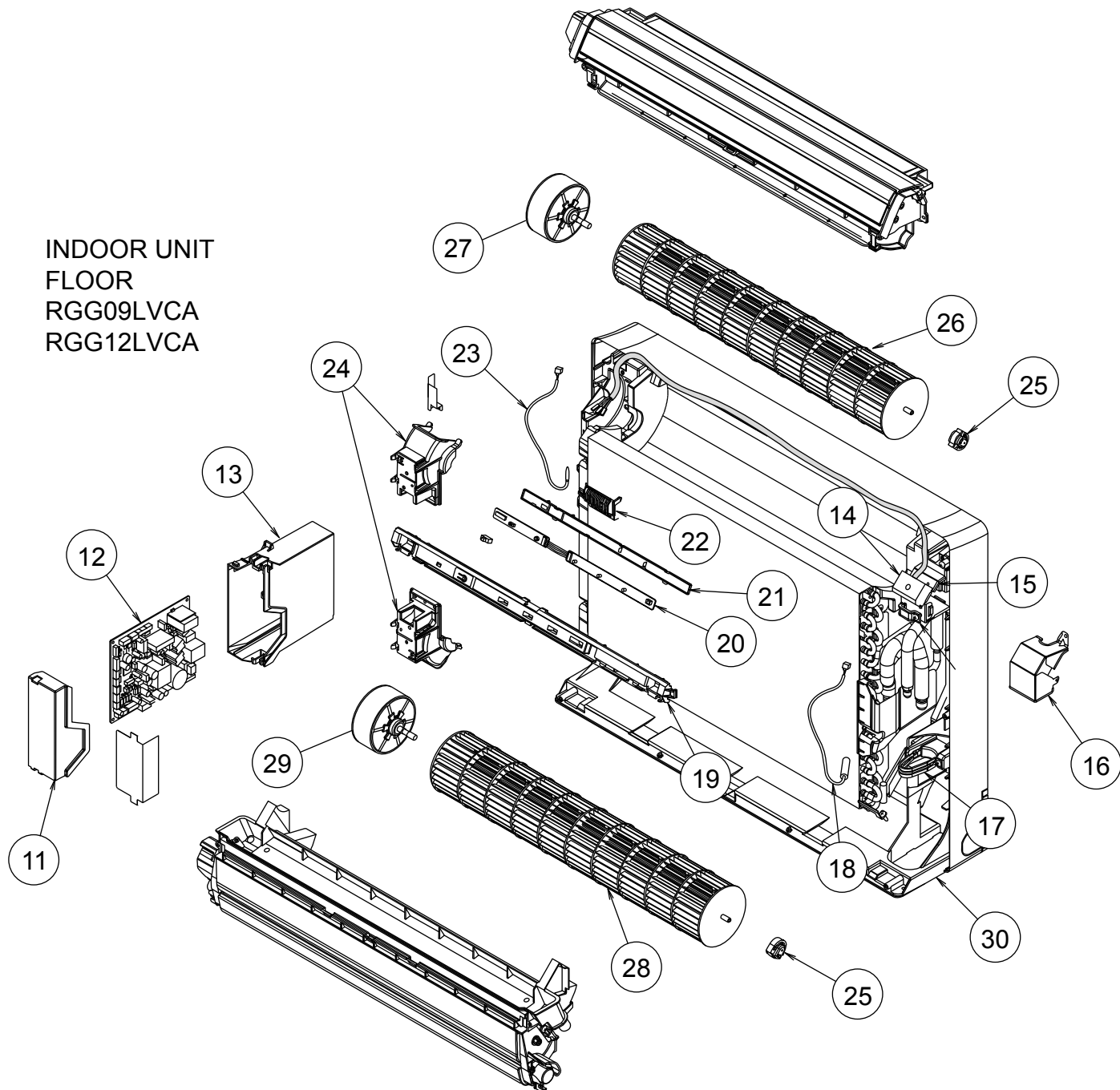
Ref.	Description	Part number	
31	Control Box Cover	9375512019	
32	Control Box A	9375511012	
33	Controller PCB Assy (07)	9709245408	
33	Controller PCB Assy (09)	9709245415	
33	Controller PCB Assy (12)	9707393750	
34	Power Supply PCB Assy (07, 09)	9707398250	
34	Power Supply PCB Assy (12)	9707398250	
35	Terminal	9306489045	
36	Terminal	9703345012	
--	Pipe Thermistor	9703297014	
--	Room Thermistor	9900502003	
--	Remote	9379219006	
--	Remote Holder	9305642045	

INDOOR UNIT
FLOOR
RGG09LVCA
RGG12LVCA



Ref	Description	Parts number	
1	Intake Grille Assy	9316418073	
2	Rope Assy	9316458017	
3	Panel (Front) L	9316187016	
4	Panel (Front) R	9316186019	
5	Air Filter	9316189010	
6	Air Clean Filter Assy	9316474017	
7	Panel (Front)	9316185012	
8	Bracket Panel	9316272019	
--	Remote	9379219006	
--	Remote Holder	9305642045	

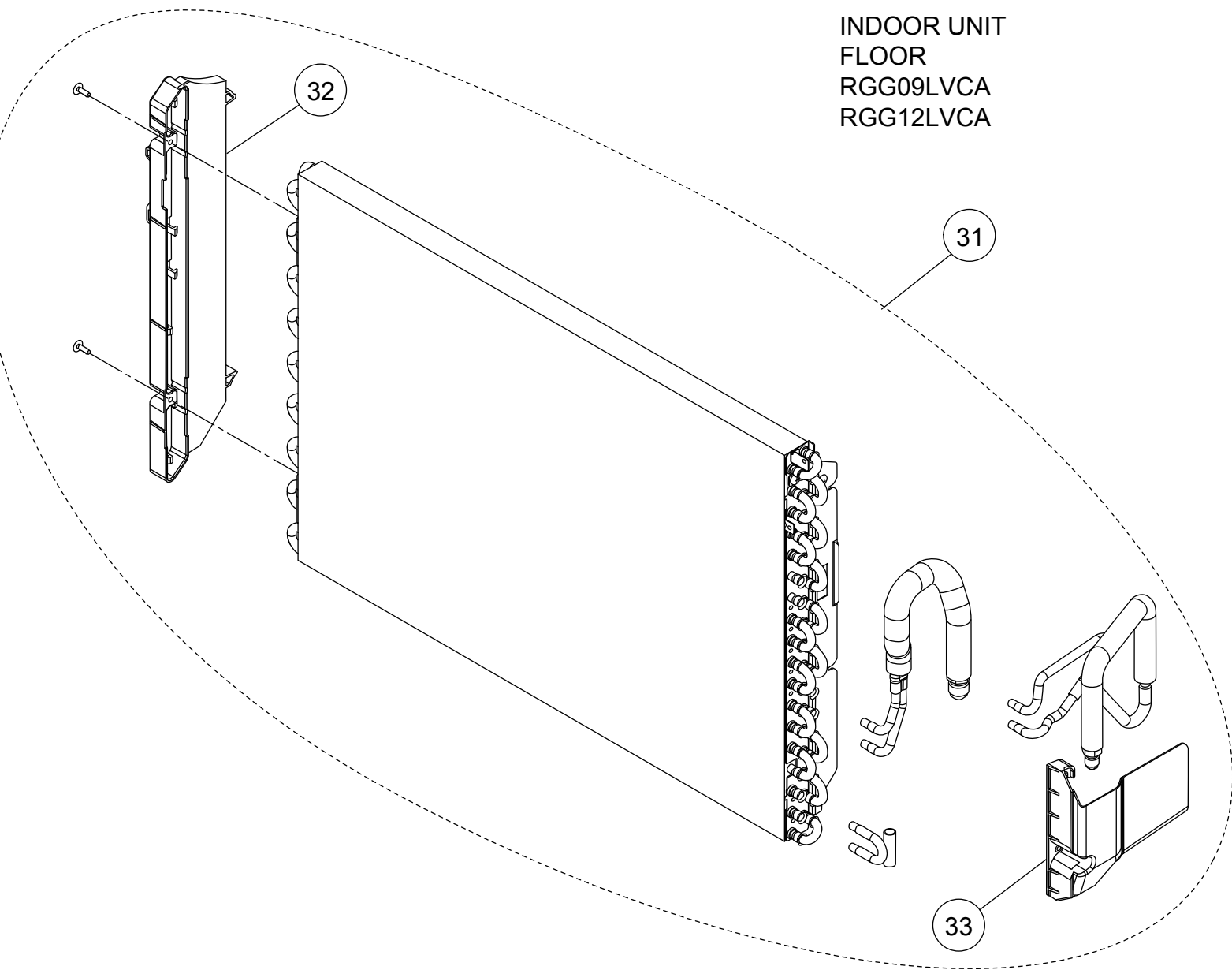
INDOOR UNIT
FLOOR
RGG09LVCA
RGG12LVCA



Ref	Description	Parts number
11	Control Cover	9316201019
12	Controller PCB Assy (09)	9708532073
12	Controller PCB Assy (12)	9708532080
13	Control Box	9316200012
14	Terminal	9900385026
15	Bracket (Terminal)	9316269019
16	Cover (Terminal)	9316307018
17	Bracket (Pipe)	9316270015
18	Pipe Thermistor	9900425012
19	Display Case	9316194014
20	Display PCB Assy	9707571042

Ref	Description	Parts number
21	Display Cover	9316191013
22	Thermistor Holder	9316192010
23	Room Thermistor	9700801108
24	Motor Holder	9316195011
25	Bearing C Assy	9306628017
26	Crossflow Fan Assy	9312004034
27	Fan Motor, MFD-34TXN	9602850006
28	Crossflow Fan B Assy	9316309012
29	Fan Motor, MFD-14SXX	9602851003
30	Base	9316193017

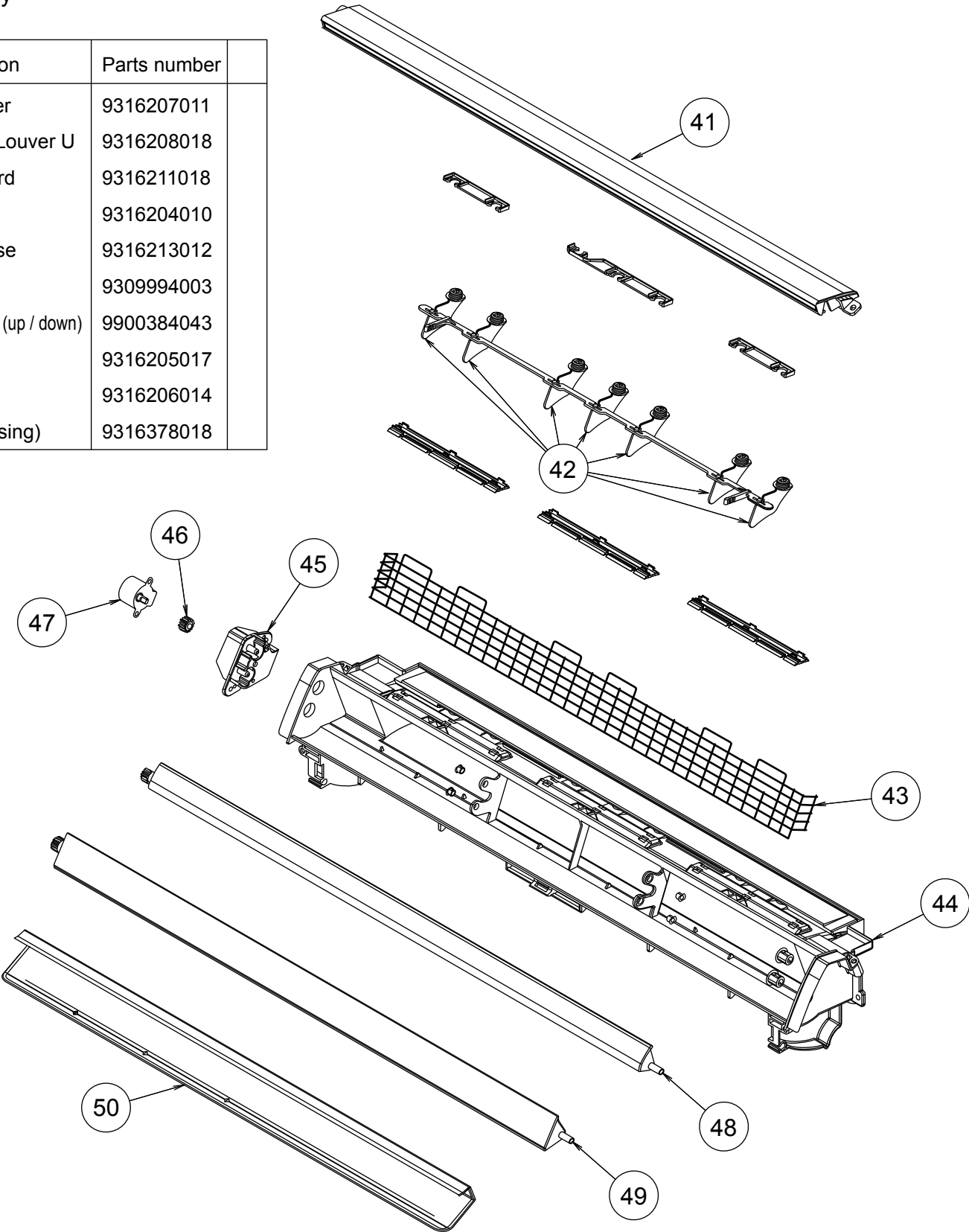
INDOOR UNIT
FLOOR
RGG09LVCA
RGG12LVCA



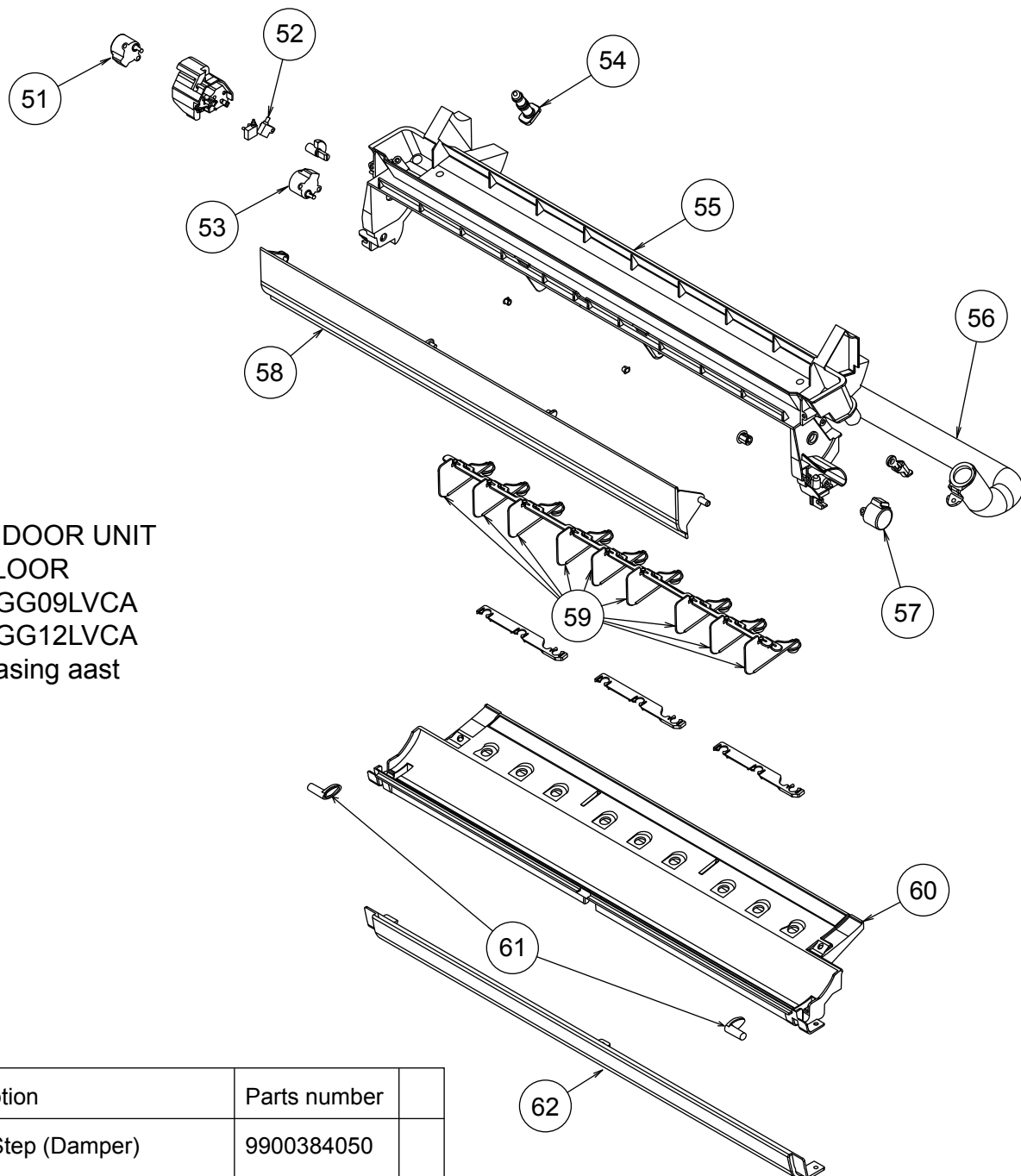
Ref	Description	Parts number	
31	Evaporator Total Assy	9316091016	
32	Evaporator Holder	9316199019	
33	Water Seal	9316271012	

INDOOR UNIT
FLOOR
RGG09LVCA
RGG12LVCA
Casing assy

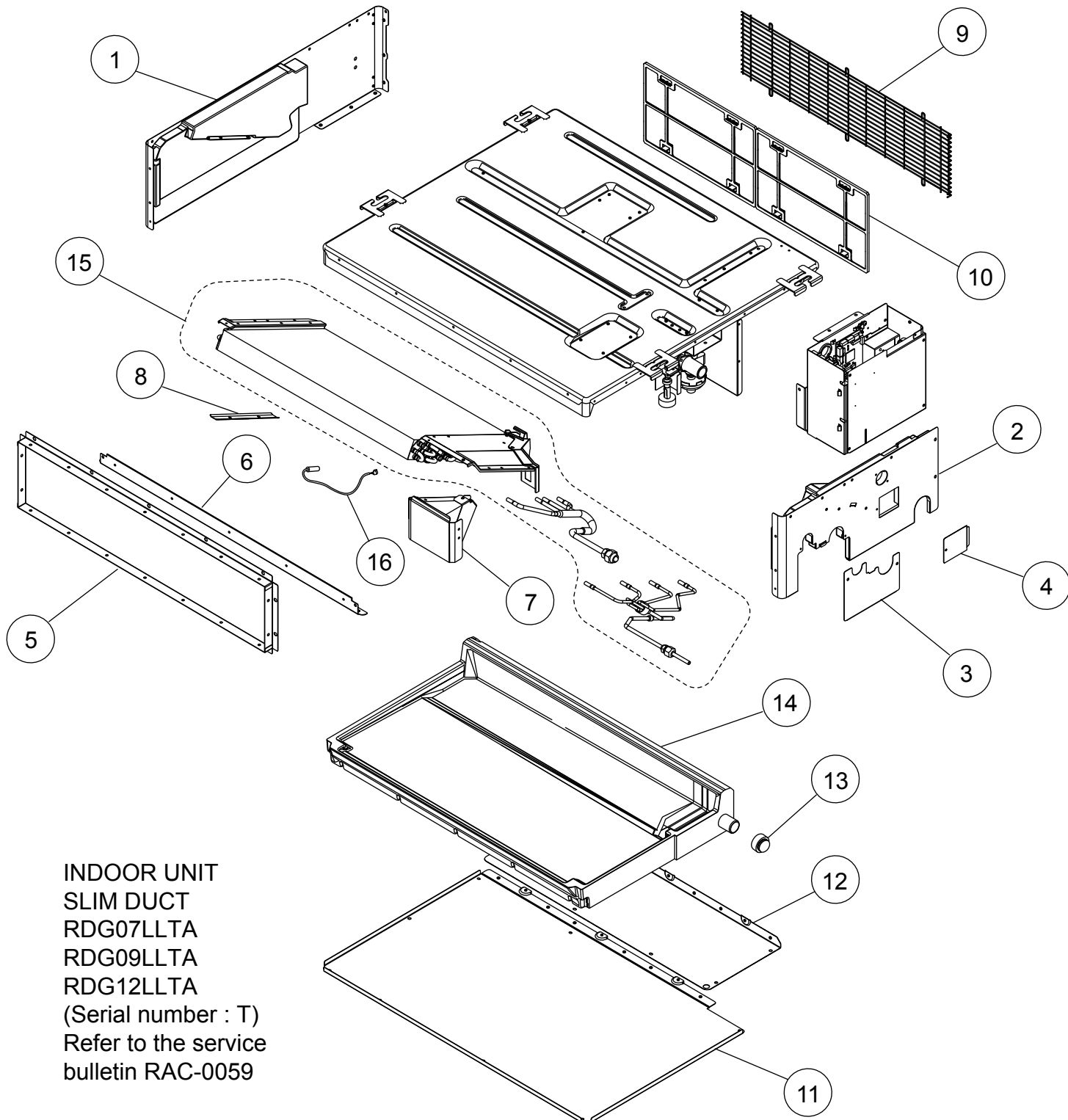
Ref	Description	Parts number	
41	Top Cover	9316207011	
42	R and L Louver U	9316208018	
43	Fan Guard	9316211018	
44	Casing	9316204010	
45	Gear Case	9316213012	
46	Gear A	9309994003	
47	Motor Step (up / down)	9900384043	
48	Louver U	9316205017	
49	Louver Z	9316206014	
50	REF (Casing)	9316378018	



INDOOR UNIT
FLOOR
RGG09LVCA
RGG12LVCA
Casing aast



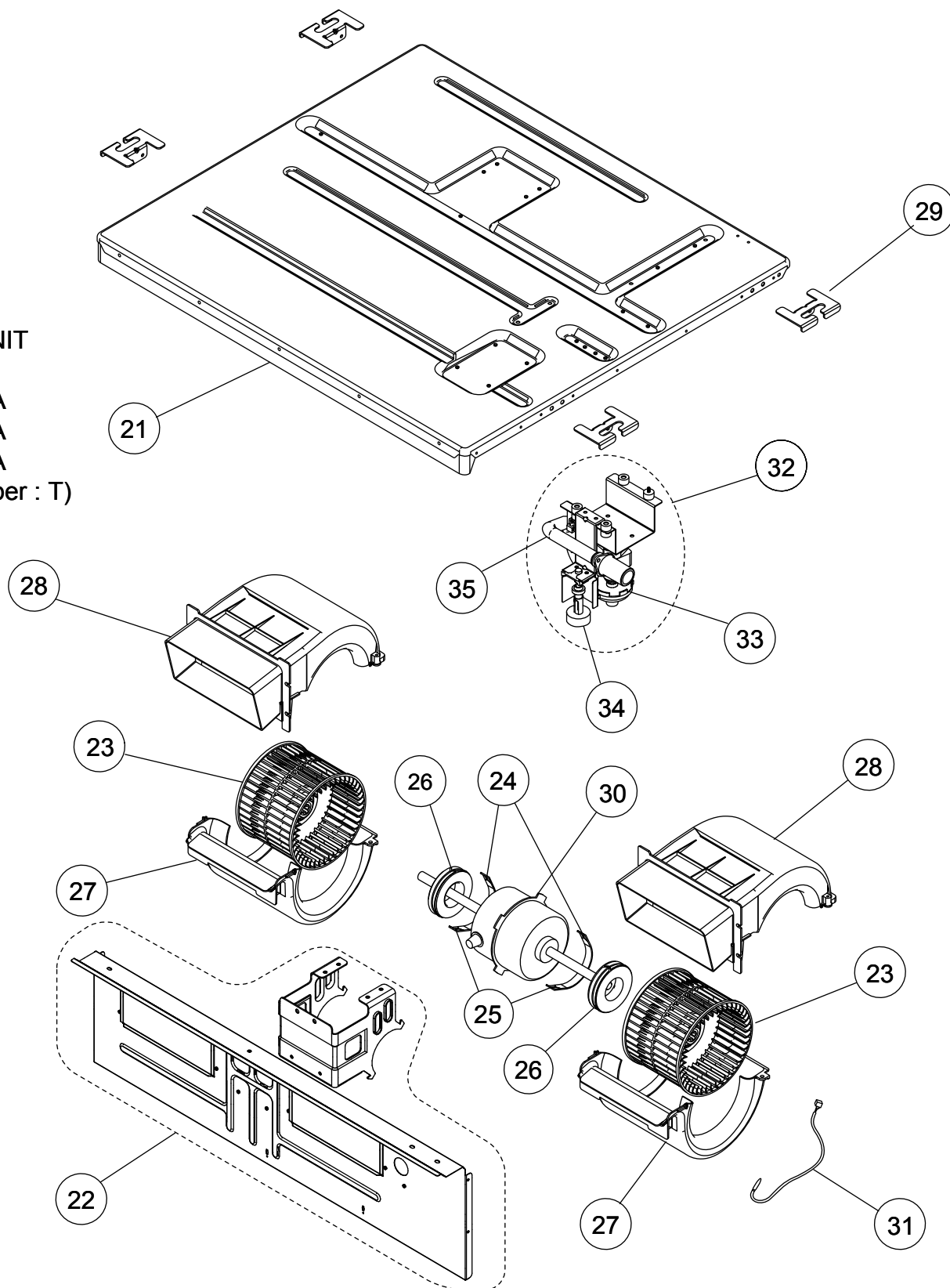
Ref	Description	Parts number	
51	Motor Step (Damper)	9900384050	
52	Switch Micro (Limit switch)	9900424015	
53	Motor Step (Damper Lock Left)	9900384067	
54	Drain Cap	9316177017	
55	Drain Pan U	9316214019	
56	Drain Hose Assy	9314147029	
57	Motor Step (Damper Lock Right)	9900384074	
58	Damper	9316216013	
59	R and L Louver Z	9316334014	
60	Drain Pan Z	9316215016	
61	Stopper	9316219014	
62	Cover (Lower)	9316374010	
--	Fan Guard Z	9316918009	



INDOOR UNIT
SLIM DUCT
RDG07LLTA
RDG09LLTA
RDG12LLTA
(Serial number : T)
Refer to the service
bulletin RAC-0059

Ref	Description	Parts number	Ref	Description	Parts number
1	Side Panel R Sub Assy	9379906005	10	Air Filter	9379574006
2	Side Panel L Sub Assy	9379907002	11	Main Panel Sub Assy	9379902007
3	Pipe Panel Sub Assy	9379900003	12	Cabinet Panel (2 Fan)	9379596008
4	Panel (Window) Sub Assy	9379915007	13	Drain Cap	9358746004
5	Outlet Frame Sub Assy	9379909006	14	Drain Pan Sub Assy	9379901000
6	Front Panel (2 Fan)	9379593007	15	Evaporater Total Assy (07)	9364499666
7	Valve Cover Sub Assy	9379576000	15	Evaporater Total Assy (09, 12)	9364499581
8	Cover Pipe Sub Assy	9380033004	16	Pipe Thermistor	9900498085
9	Fan Guard (2 Fan)	9379637008	--	Hose Sub Assy	9378450103

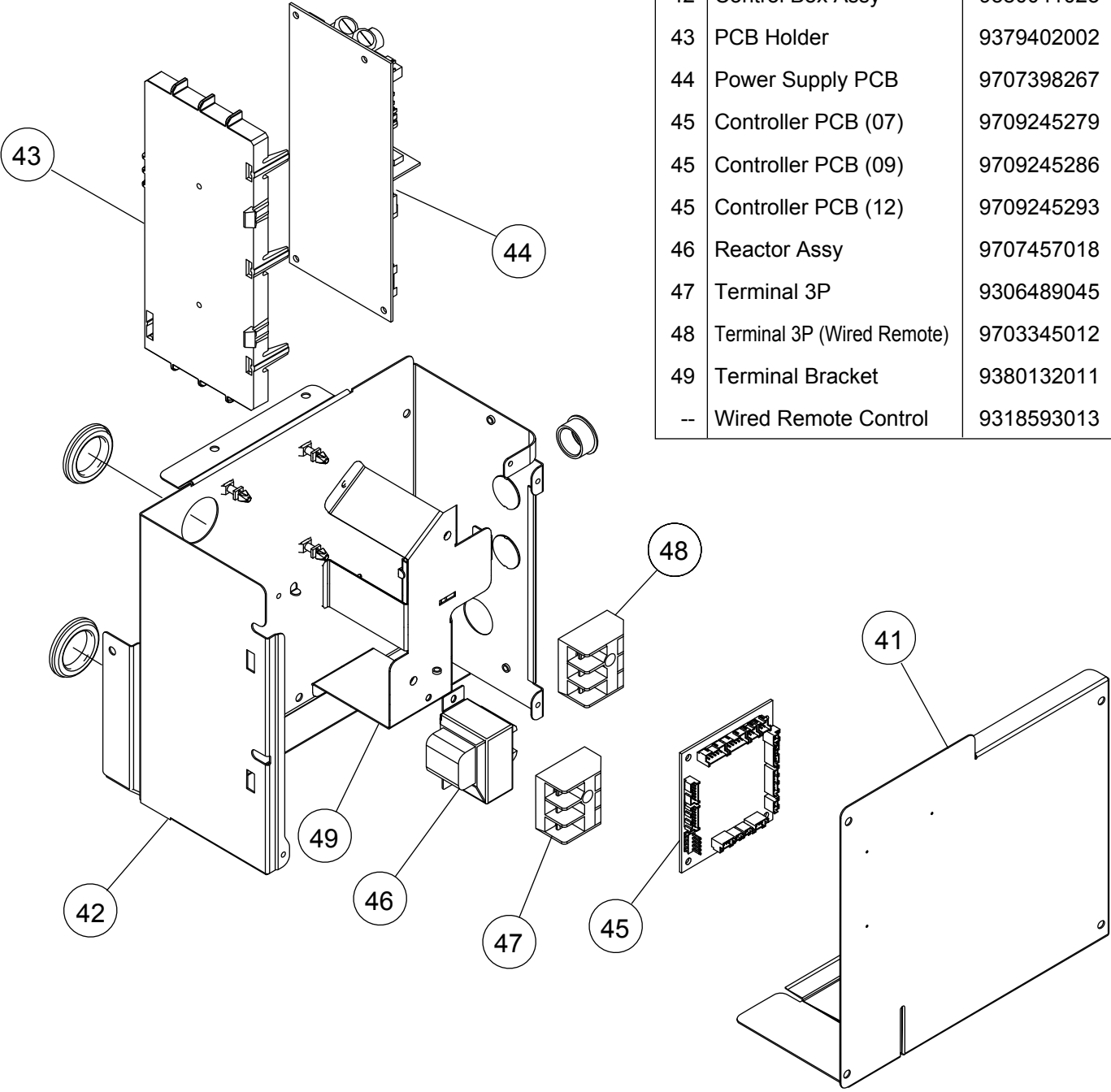
INDOOR UNIT
SLIM DUCT
RDG07LLTA
RDG09LLTA
RDG12LLTA
(Serial number : T)



Ref	Description	Parts number
21	Top Panel Sub Assy	9379908009
22	Separator Sub Assy	9379898003
23	Sirroco Fan Assy	9379570015
24	Motor Band Assy	9379613002
25	Motor Band	9379614009
26	Rubber (Vibration Proof)	9379644006
27	Casing B	9379572002
28	Casing U	9379571005

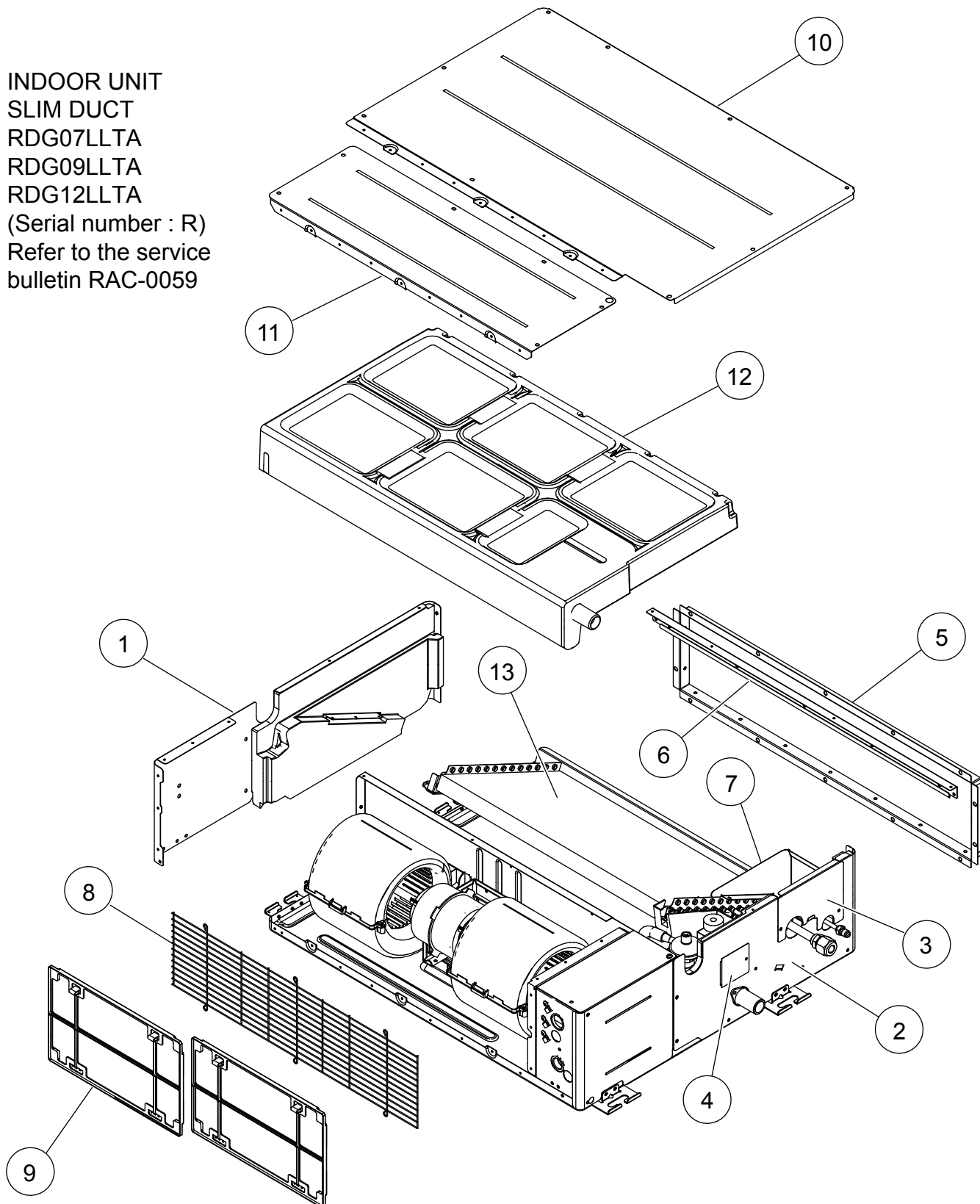
Ref	Description	Parts number
29	Hook Metal	9379889001
30	Fan Motor Assy (07)	9602966011
30	Fan Motor Assy (09, 12)	9602967018
31	Room Thermistor	9703299247
32	Drain Pump Sub Assy	9379914000
33	Pump Assy	9900472047
34	Float Switch	9900465032
35	Drain Hose Assy	9379913003

INDOOR UNIT
SLIM DUCT
RDG07LLTA
RDG09LLTA
RDG12LLTA
(Serial number : T)

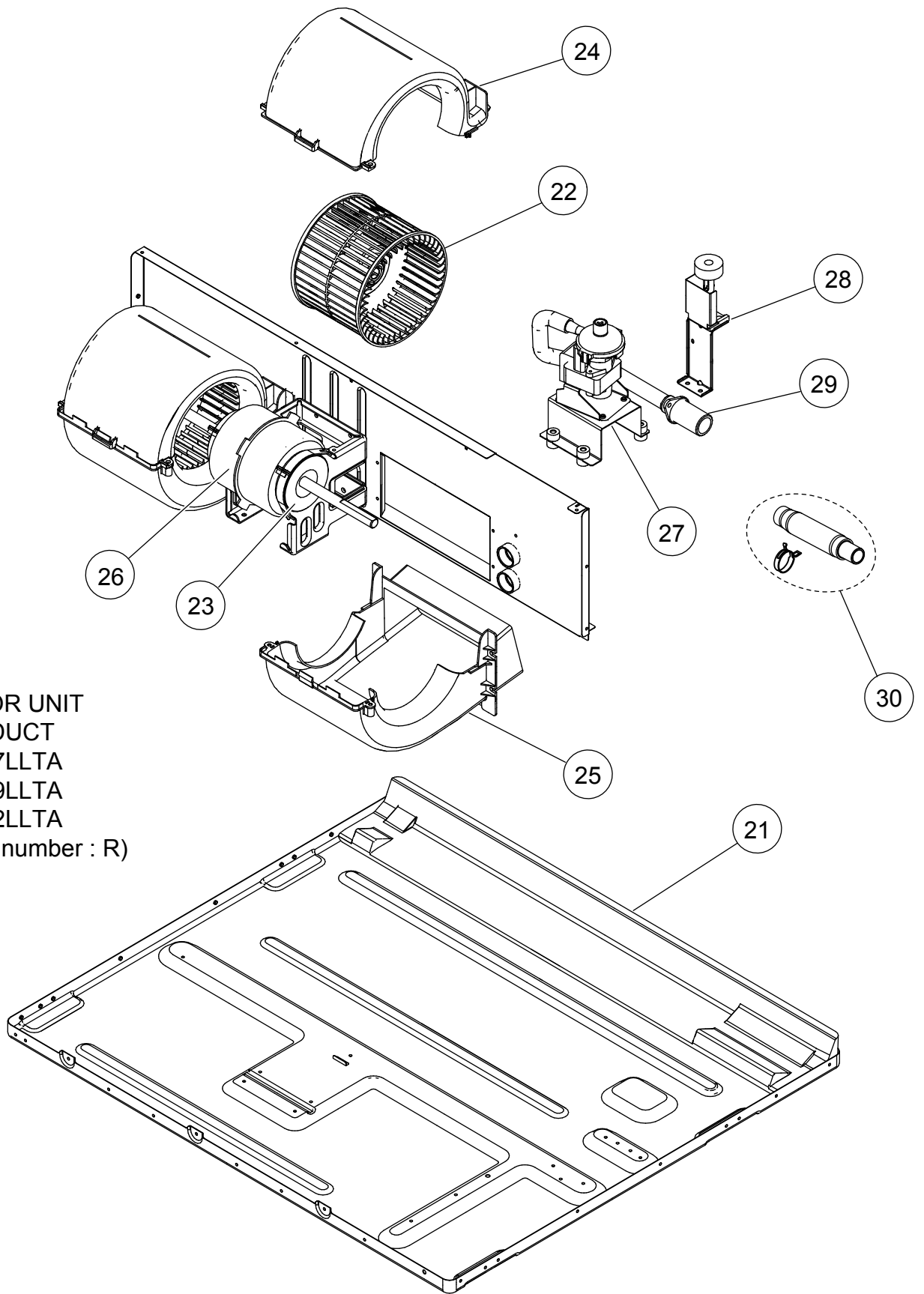


Ref	Description	Parts number
41	Control Cover Sub Assy	9379806039
42	Control Box Assy	9380041023
43	PCB Holder	9379402002
44	Power Supply PCB	9707398267
45	Controller PCB (07)	9709245279
45	Controller PCB (09)	9709245286
45	Controller PCB (12)	9709245293
46	Reactor Assy	9707457018
47	Terminal 3P	9306489045
48	Terminal 3P (Wired Remote)	9703345012
49	Terminal Bracket	9380132011
--	Wired Remote Control	9318593013

INDOOR UNIT
SLIM DUCT
RDG07LLTA
RDG09LLTA
RDG12LLTA
(Serial number : R)
Refer to the service
bulletin RAC-0059



Ref	Description	Parts number	Ref	Description	Parts number
1	Side Panel R Sub Assy	9379906012	8	Fan Guard (2 Fan)	9380589006
2	Side Panel L Sub Assy	9379907019	9	Air Filter	9379574006
3	Pipe Panel Sub Assy	9379900003	10	Main Panel (2 Fan)	9380602002
4	Panel (Window) Sub Assy	9379915007	11	Cabinet Panel (2 Fan)	9380597001
5	Outlet Frame Assy	9380042006	12	Drain Pan Sub Assy	9379901048
6	Front Panel (2 Fan)	9380594000	13	Evaporator Total Assy (07)	9380682080
7	Valve Cover Sub Assy	9379576017	13	Evaporator Total Assy (09, 12)	9380682042
8	Fan Guard (2 Fan)	9380589006			
9	Air Filter	9379574006			
10	Main Panel (2 Fan)	9380602002			
11	Cabinet Panel (2 Fan)	9380597001			
12	Drain Pan Sub Assy	9379901048			
13	Evaporator Total Assy (07)	9380682080			
13	Evaporator Total Assy (09, 12)	9380682042			

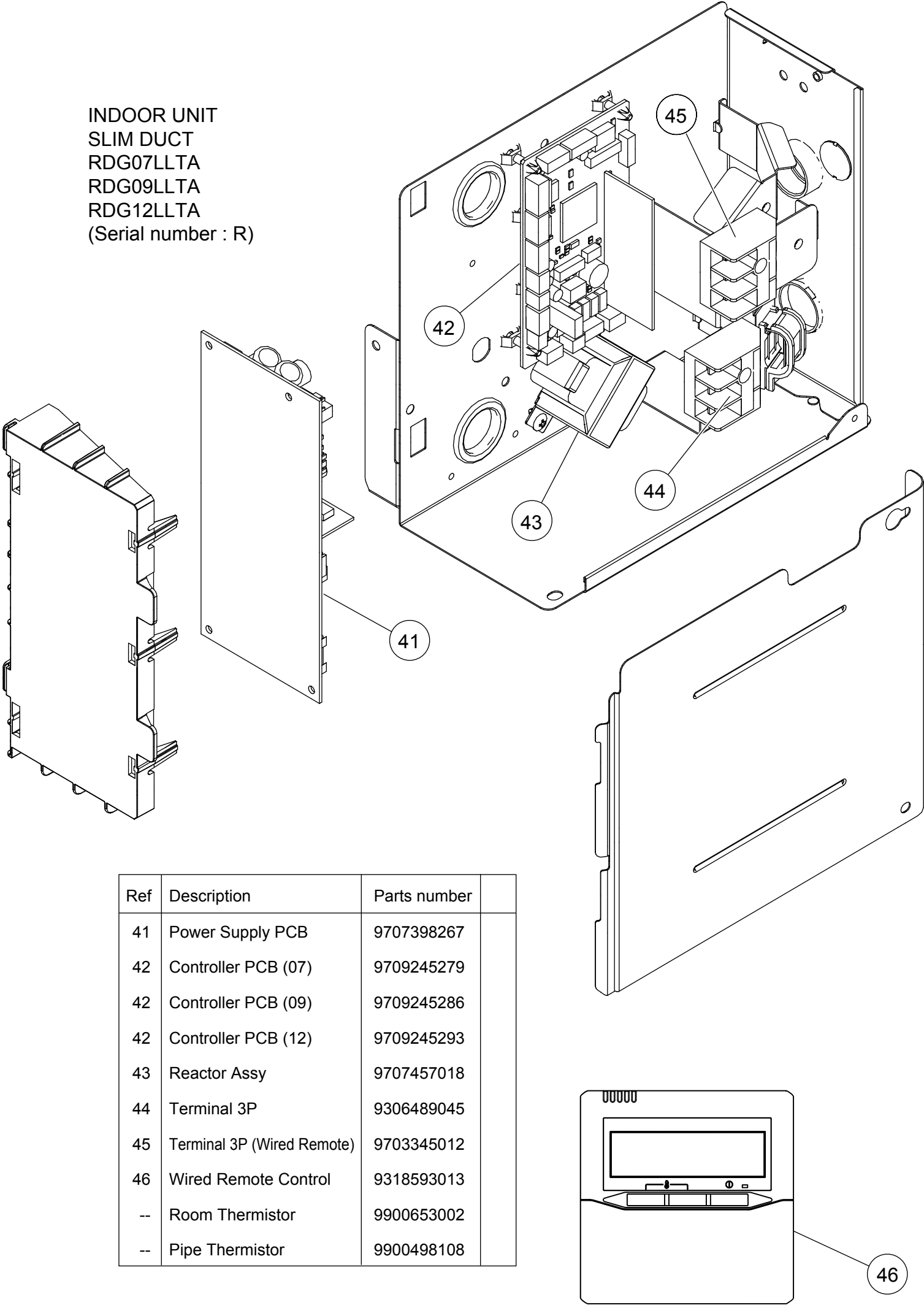


INDOOR UNIT
SLIM DUCT
RDG07LLTA
RDG09LLTA
RDG12LLTA
(Serial number : R)

Ref	Description	Parts number	
21	Top Panel Sub Assy	9379908030	
22	Sirroco Fan Assy	9379570015	
23	Rubber (Vibration Proof)	9379644006	
24	Casing B	9379572002	
25	Casing U	9379571005	
26	Fan Motor Assy (07)	9603139018	

Ref	Description	Parts number	
26	Fan Motor Assy (09, 12)	9602967025	
27	Drain Pump Sub Assy	9379914024	
28	Float Switch Sub Assy	9378593022	
29	Drain Hose Assy	9379913003	
30	Hose Sub Assy	9378450097	

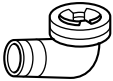
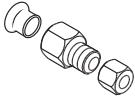
INDOOR UNIT
 SLIM DUCT
 RDG07LLTA
 RDG09LLTA
 RDG12LLTA
 (Serial number : R)



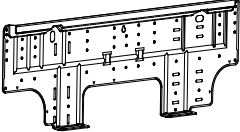
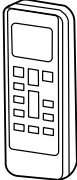
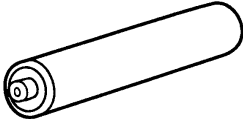
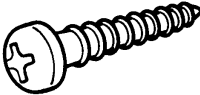
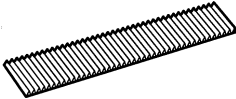
Ref	Description	Parts number
41	Power Supply PCB	9707398267
42	Controller PCB (07)	9709245279
42	Controller PCB (09)	9709245286
42	Controller PCB (12)	9709245293
43	Reactor Assy	9707457018
44	Terminal 3P	9306489045
45	Terminal 3P (Wired Remote)	9703345012
46	Wired Remote Control	9318593013
--	Room Thermistor	9900653002
--	Pipe Thermistor	9900498108

ACCESSORIES

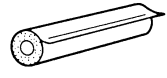
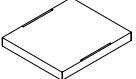
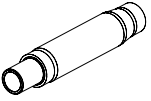
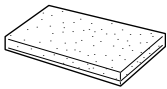
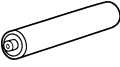
OUTDOOR UNIT

Name and Shape	Q'ty	Use
Drain pipe assy 	1	For outdoor unit drain piping work
Adapter assy 9.52mm → 12.7mm 	1	For use when connecting model 14 to outdoor port A or B (ROG18LAC2 only)

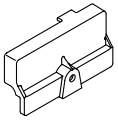
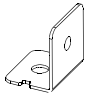
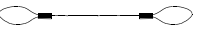
INDOOR UNIT
 COMPACT WALL MOUNTED
 RSG07, 09, 12LJCA

Name and Shape	Q'ty
Wall hook bracket 	1
Remote control 	1
Battery 	2
Remote control holder 	1
Cloth tape 	1
Tapping screw (big) 	8
Tapping screw (small) 	2
Air cleaning filter 	2

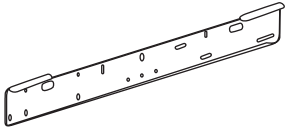
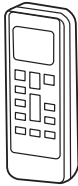
INDOOR UNIT COMPACT CASSETTE RCG07, 09, 12LVLA

Name and Shape	Q'ty	Application
Coupler heat insulation (Large) 	1	For indoor side pipe joint (Gas pipe)
Coupler heat insulation (Small) 	1	For indoor side pipe joint (Liquid pipe)
Special nut A (Large flange) 	4	For installing indoor unit
Special nut B (Small flange) 	4	For installing indoor unit
Template (Carton top) 	1	For ceiling openings cutting Also used as packing
Drain hose 	1	For installing drain pipe
Hose Band 	1	For installing drain hose
Drain hose insulation 	1	For installing drain pipe
Remote control 	1	For air conditioner operation
Battery 	2	For remote control
Remote control holder 	1	For installing the remote control
Tapping screw (M3 × 12mm) 	2	For mounting the remote control holder
Binder 	2	For electrical wiring
Wire clammer 	1	For electrical wiring

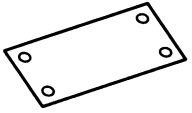
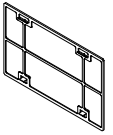
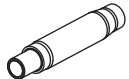
DECORATION PANEL CG-UFFD

Name and Shape	Q'ty	Application
Connector cover 	1	For covering connector
Tapping Screw (M5 × 12 mm) 	4	For mounting decoration panel
Tapping Screw (M4 × 12 mm) 	1	For mounting connector cover
L angle 	2	For mounting the Hook Wire to the Decoration panel
Hook wire 	2	For suspending the Decoration panel
Screw [pitch small] (M4 × 10 mm) 	2	For mounting the Hook Wire (for metals)
Screw [pitch large] (M4 × 10 mm) 	4	For mounting the L angle and Hook wire (for resins)

INDOOR UNIT
FLOOR
RGG09LVCA
RGG12LVCA

Name and Shape	Q'ty
Wall hook bracket 	1
Remote control 	1
Battery 	2
Remote control holder 	1
Cloth tape 	1
Tapping screw (M4 x 25 mm) 	9
Tapping screw (M3 x 12 mm) 	2
Air cleaning filter 	2

INDOOR UNIT
SLIM DUCT
RDG07LLTA
RDG09LLTA
RDG12LLTA

Name and Shape	Q'ty	Application
Installation template 	1	For positioning the indoor unit
Washer 	8	For installing indoor unit
Coupler heat insulation (Large) 	1	For indoor side pipe joint (Large pipe)
Coupler heat insulation (Small) 	1	For indoor side pipe joint (Small pipe)
Binder 	Medium 3	For power supply and remote control cable binding.
	Large 4	For fixing the coupler heat insulation.
Filter (Small) 	2	
Auto louver grille		UTG-GYSA UTG-GYSB UTG-GYSC
Drain hose 	1	For installing drain pipe 3/4 in. (O.D. 1-1/16 in.)
Hose band 	1	For installing drain hose
Drain hose insulation B 	1	Insulates the drain hose
Wired remote control 	1	
Remote control cable 	1	For connecting the remote control
Tapping screw (M4 × 16 mm) 	2	For installing the remote control

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