

INVERTER MULTI  
AIR CONDITIONER

# SERVICE MANUAL



| Outdoor unit | Indoor unit |
|--------------|-------------|
| AOU24RLXFZ   | ASU7RLF     |
|              | ASU9RLF     |
|              | ASU12RLF    |
|              | ASU18RLF    |
|              | AUU9RLF     |
|              | AUU12RLF    |
|              | AUU18RLF    |
|              | UTG-CCGF    |
|              | ARU9RLF     |
|              | ARU12RLF    |
|              | ARU18RLF    |

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# SPECIFICATIONS

## OUTDOOR UNIT

### ELECTRICAL SPECIFICATIONS

|                      |                                      |            |
|----------------------|--------------------------------------|------------|
| TYPE                 | Three room multi inverter            |            |
| MODEL NAME           | AOU24RLXFZ                           |            |
| COOLING CAPACITY     | 22,000 BTU (6.42 kW)                 |            |
| HEATING CAPACITY     | 24,000 BTU (7.02 kW)                 |            |
| POWER SUPPLY         | 208 V / 230 V                        |            |
| FREQUENCY            | 60 Hz                                |            |
| RUNNING CURRENT      | Cooling                              | 7.7 A      |
|                      | Heating                              | 7.6 A      |
| INPUT POWER          | Cooling                              | 1.76 kW    |
|                      | Heating                              | 1.73 kW    |
| EER                  | Cooling                              | 3.65 kW/kW |
|                      | Heating                              | 4.05 kW/kW |
| AIR CIRCULATION HIGH | 1,942 cfm (3,300 m <sup>3</sup> /hr) |            |

### FAN MOTOR

|                |            |
|----------------|------------|
| DISCRIMINATION | MFE-60TVT  |
| COOLING        | 780 r.p.m. |
| HEATING        | 780 r.p.m. |

### NOISE LEVEL

|         |       |
|---------|-------|
| COOLING | 51 dB |
| HEATING | 52 dB |

### COMPRESSOR AND REFRIGERANT

|  |  |                           |
|--|--|---------------------------|
| COMPRESSOR TYPE                            | Hermetic type, Inverter, 4 poles, 3-phase, DC motor, Twin Rotary |                           |
| DISCRIMINATION                             | DA150A1F-20NA  |                           |
| WEIGHT (with oil)                          | 22 lb 13/16 oz (10.0 kg)   |                           |
| PRECHARGED REFRIGERANT                     | 4 lb 13-5/8 oz (2,200 g)   |                           |
| REFRIGERANT TYPE                           | R410A  |                           |
| FULL CHARGE                                | Total pipe length 98 ft (30 m)                                   | 4 lb 13-5/8 oz (2,200 g)  |
|  | 131 ft (40 m)  | 5 lb 4-21/32 oz (2,400 g) |
|  | 164 ft (50 m)  | 5 lb 11-5/8 oz (2,600 g)  |
| ADDITIONAL CHARGE                          | 9/32 oz/ft (20 g/m)  |                           |
| MAXIMUM PIPE LENGTH (total)                | 164 ft (50 m)  |                           |
| MINIMUM PIPE LENGTH (total)                | 49 ft (15 m)   |                           |
| MAXIMUM PIPE LENGTH (each unit)            | 82 ft (25 m)   |                           |
| MINIMUM PIPE LENGTH (each unit)            | 16 ft (5 m)  |                           |
| MAX ELEVATION (between indoor units)       | 33 ft (10 m)   |                           |
| MAX ELEVATION (between indoor and outdoor) | 49 ft (15 m)   |                           |

### MEASUREMENT

|            |                |   |
|------------|----------------|---|
| DIMENSIONS | H x W x D      | 27-9/16 x 35-7/16 x 13 inch<br>(700 x 900 x 330 mm) |
| WEIGHT     | Net / Shipping | 123 lb 8 oz / 138 lb 15 oz<br>(56 kg / 63 kg)       |

**INDOOR UNIT  
COMPACT WALL MOUNTED**

**ELECTRICAL DATA**

|                   |              |              |              |
|-------------------|--------------|--------------|--------------|
| MODEL NAME        | ASU7RLF      | ASU9RLF      | ARU12RLF     |
| CAPACITY          | 2.0 kW class | 2.5 kW class | 3.5 kW class |
| POWER CONSUMPTION | 15 W         | 17 W         | 22 W         |
| RUNNING CURRENT   | 0.13 A       | 0.15 A       | 0.19 A       |

**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      | 710 r.p.m.                      | 710 r.p.m.                      | 710 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      | 720 r.p.m.                      | 720 r.p.m.                      | 720 r.p.m.                      |
| AIR FLOW       | Cooling | High       | 330 cfm (560 m <sup>3</sup> /h) | 353 cfm (600 m <sup>3</sup> /h) | 388 cfm (660 m <sup>3</sup> /h) |
|                |         | Medium     | 294 cfm (500 m <sup>3</sup> /h) | 306 cfm (520 m <sup>3</sup> /h) | 330 cfm (560 m <sup>3</sup> /h) |
|                |         | Low        | 253 cfm (430 m <sup>3</sup> /h) | 253 cfm (430 m <sup>3</sup> /h) | 265 cfm (450 m <sup>3</sup> /h) |
|                |         | Quiet      | 200 cfm (340 m <sup>3</sup> /h) | 200 cfm (340 m <sup>3</sup> /h) | 200 cfm (340 m <sup>3</sup> /h) |
|                | Heating | High       | 330 cfm (560 m <sup>3</sup> /h) | 353 cfm (600 m <sup>3</sup> /h) | 388 cfm (660 m <sup>3</sup> /h) |
|                |         | Medium     | 294 cfm (500 m <sup>3</sup> /h) | 306 cfm (520 m <sup>3</sup> /h) | 330 cfm (560 m <sup>3</sup> /h) |
|                |         | Low        | 253 cfm (430 m <sup>3</sup> /h) | 253 cfm (430 m <sup>3</sup> /h) | 277 cfm (470 m <sup>3</sup> /h) |
|                |         | Quiet      | 206 cfm (350 m <sup>3</sup> /h) | 206 cfm (350 m <sup>3</sup> /h) | 206 cfm (350 m <sup>3</sup> /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      | 25 dB(A)                        | 25 dB(A)                        | 25 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      | 25 dB(A)                        | 25 dB(A)                        | 25 dB(A)                        |

**MEASUREMENTS**

|            |                |   |
|------------|----------------|---|
| DIMENSIONS | H x W x D      | 11-1/16 x 31-1/16 x 8 inch (280 x 790 x 203 mm) |
| WEIGHT     | Net / Shipping | 18 lb. / 23 lb. (8.0 kg / 10.5 kg)              |

INDOOR UNIT  
WALL MOUNTED

ELECTRICAL DATA

|                   |              |
|-------------------|--------------|
| MODEL NAME        | ASU18RLF     |
| CAPACITY          | 5.0 kW class |
| POWER CONSUMPTION | 41 W         |
| RUNNING CURRENT   | 0.32 A       |

FAN MOTOR

| DISCRIMINATION |         |        | MFD-50RON                       |
|----------------|---------|--------|---------------------------------|
| FAN SPEED      | Cooling | High   | 1,250 r.p.m.                    |
|                |         | Medium | 1,020 r.p.m.                    |
|                |         | Low    | 900 r.p.m.                      |
|                |         | Quiet  | 770 r.p.m.                      |
|                | Heating | High   | 1,250 r.p.m.                    |
|                |         | Medium | 1,020 r.p.m.                    |
|                |         | Low    | 900 r.p.m.                      |
|                |         | Quiet  | 790 r.p.m.                      |
| AIR FLOW       | Cooling | High   | 542 cfm (920 m <sup>3</sup> /h) |
|                |         | Medium | 436 cfm (740 m <sup>3</sup> /h) |
|                |         | Low    | 365 cfm (620 m <sup>3</sup> /h) |
|                |         | Quiet  | 324 cfm (550 m <sup>3</sup> /h) |
|                | Heating | High   | 542 cfm (920 m <sup>3</sup> /h) |
|                |         | Medium | 436 cfm (740 m <sup>3</sup> /h) |
|                |         | Low    | 365 cfm (620 m <sup>3</sup> /h) |
|                |         | Quiet  | 324 cfm (550 m <sup>3</sup> /h) |
| NOISE LEVEL    | Cooling | High   | 43 dB(A)                        |
|                |         | Medium | 37 dB(A)                        |
|                |         | Low    | 33 dB(A)                        |
|                |         | Quiet  | 31 dB(A)                        |
|                | Heating | High   | 44 dB(A)                        |
|                |         | Medium | 37 dB(A)                        |
|                |         | Low    | 33 dB(A)                        |
|                |         | Quiet  | 31 dB(A)                        |

MEASUREMENTS

|            |                |  |
|------------|----------------|--|
| DIMENSIONS | H x W x D      | 12-5/8 x 39-1/4 x 9 inch<br>(320 x 998 x 228 mm) |
| WEIGHT     | Net / Shipping | 31 lb. / 40 lb.<br>(14 kg / 18 kg)               |



**INDOOR UNIT  
COMPACT CASSETTE**

**ELECTRICAL DATA**

|                   |              |              |              |
|-------------------|--------------|--------------|--------------|
| MODEL NAME        | AUU9RLF      | AUU12RLF     | AUU18RLF     |
| CAPACITY          | 2.5 kW class | 3.5 kW class | 5.0 kW class |
| POWER CONSUMPTION | 18 W         | 23 W         | 39 W         |
| RUNNING CURRENT   | 0.15 A       | 0.19 A       | 0.30 A       |

**FAN MOTOR**

| DISCRIMINATION |         | MFF-24VVL |                                 |                                 |                                 |
|----------------|---------|-----------|---------------------------------|---------------------------------|---------------------------------|
| FAN SPEED      | Cooling | High      | 590 r.p.m.                      | 660 r.p.m.                      | 790 r.p.m.                      |
|                |         | Medium    | 540 r.p.m.                      | 580 r.p.m.                      | 660 r.p.m.                      |
|                |         | Low       | 490 r.p.m.                      | 520 r.p.m.                      | 570 r.p.m.                      |
|                |         | Quiet     | 440 r.p.m.                      | 460 r.p.m.                      | 460 r.p.m.                      |
|                | Heating | High      | 590 r.p.m.                      | 650 r.p.m.                      | 840 r.p.m.                      |
|                |         | Medium    | 540 r.p.m.                      | 580 r.p.m.                      | 750 r.p.m.                      |
|                |         | Low       | 490 r.p.m.                      | 520 r.p.m.                      | 650 r.p.m.                      |
|                |         | Quiet     | 440 r.p.m.                      | 460 r.p.m.                      | 500 r.p.m.                      |
| AIR FLOW       | Cooling | High      | 318 cfm (540 m <sup>3</sup> /h) | 359 cfm (610 m <sup>3</sup> /h) | 441 cfm (750 m <sup>3</sup> /h) |
|                |         | Medium    | 288 cfm (490 m <sup>3</sup> /h) | 312 cfm (530 m <sup>3</sup> /h) | 359 cfm (610 m <sup>3</sup> /h) |
|                |         | Low       | 259 cfm (440 m <sup>3</sup> /h) | 277 cfm (470 m <sup>3</sup> /h) | 306 cfm (520 m <sup>3</sup> /h) |
|                |         | Quiet     | 230 cfm (390 m <sup>3</sup> /h) | 241 cfm (410 m <sup>3</sup> /h) | 241 cfm (410 m <sup>3</sup> /h) |
|                | Heating | High      | 318 cfm (540 m <sup>3</sup> /h) | 359 cfm (610 m <sup>3</sup> /h) | 471 cfm (800 m <sup>3</sup> /h) |
|                |         | Medium    | 288 cfm (490 m <sup>3</sup> /h) | 312 cfm (530 m <sup>3</sup> /h) | 418 cfm (710 m <sup>3</sup> /h) |
|                |         | Low       | 259 cfm (440 m <sup>3</sup> /h) | 277 cfm (470 m <sup>3</sup> /h) | 353 cfm (600 m <sup>3</sup> /h) |
|                |         | Quiet     | 230 cfm (390 m <sup>3</sup> /h) | 241 cfm (410 m <sup>3</sup> /h) | 265 cfm (450 m <sup>3</sup> /h) |
| NOISE LEVEL    | Cooling | High      | 33 dB(A)                        | 37 dB(A)                        | 42 dB(A)                        |
|                |         | Medium    | 31 dB(A)                        | 33 dB(A)                        | 37 dB(A)                        |
|                |         | Low       | 29 dB(A)                        | 31 dB(A)                        | 33 dB(A)                        |
|                |         | Quiet     | 27 dB(A)                        | 28 dB(A)                        | 29 dB(A)                        |
|                | Heating | High      | 34 dB(A)                        | 37 dB(A)                        | 44 dB(A)                        |
|                |         | Medium    | 32 dB(A)                        | 33 dB(A)                        | 40 dB(A)                        |
|                |         | Low       | 29 dB(A)                        | 31 dB(A)                        | 37 dB(A)                        |
|                |         | Quiet     | 27 dB(A)                        | 28 dB(A)                        | 30 dB(A)                        |

**MEASUREMENTS**

|            |                |   |
|------------|----------------|---|
| DIMENSIONS | H x W x D      | 9-21/32 x 22-7/16 x 22-7/16 inch (245 x 570 x 570 mm) |
| WEIGHT     | Net / Shipping | 33 lb. / 40 lb. (15 kg / 18 kg)                       |

**PANEL**

**MEASUREMENTS**

|            |                |  |
|------------|----------------|--|
| MODEL NAME | UTG-CCGF       |  |
| DIMENSIONS | H x W x D      | 1-15/16 x 27-9/16 x 27-9/16 inch (49 x 700 x 700 mm) |
| WEIGHT     | Net / Shipping | 5.7 lb. / 10 lb. (2.6 kg / 4.5 kg)                   |

INDOOR UNIT  
SLIM DUCT

ELECTRICAL DATA

|                   |              |              |
|-------------------|--------------|--------------|
| MODEL NAME        | ARU9RLF      | ARU12RLF     |
| CAPACITY          | 2.5 kW class | 3.5 kW class |
| POWER CONSUMPTION | 49 W         | 58 W         |
| RUNNING CURRENT   | 0.30 A       | 0.35 A       |

FAN MOTOR

| DISCRIMINATION |         | MFG-14WV |                                 |                                 |
|----------------|---------|----------|---------------------------------|---------------------------------|
| FAN SPEED      | Cooling | High     | 1,260 r.p.m.                    | 1,340 r.p.m.                    |
|                |         | Medium   | 1,160 r.p.m.                    | 1,240 r.p.m.                    |
|                |         | Low      | 1,060 r.p.m.                    | 1,140 r.p.m.                    |
|                |         | Quiet    | 960 r.p.m.                      | 1,030 r.p.m.                    |
|                | Heating | High     | 1,260 r.p.m.                    | 1,340 r.p.m.                    |
|                |         | Medium   | 1,160 r.p.m.                    | 1,240 r.p.m.                    |
|                |         | Low      | 1,060 r.p.m.                    | 1,140 r.p.m.                    |
|                |         | Quiet    | 960 r.p.m.                      | 1,030 r.p.m.                    |
| AIR FLOW       | Cooling | High     | 353 cfm (600 m <sup>3</sup> /h) | 383 cfm (650 m <sup>3</sup> /h) |
|                |         | Medium   | 324 cfm (550 m <sup>3</sup> /h) | 353 cfm (600 m <sup>3</sup> /h) |
|                |         | Low      | 294 cfm (500 m <sup>3</sup> /h) | 324 cfm (550 m <sup>3</sup> /h) |
|                |         | Quiet    | 265 cfm (450 m <sup>3</sup> /h) | 283 cfm (480 m <sup>3</sup> /h) |
|                | Heating | High     | 353 cfm (600 m <sup>3</sup> /h) | 383 cfm (650 m <sup>3</sup> /h) |
|                |         | Medium   | 324 cfm (550 m <sup>3</sup> /h) | 353 cfm (600 m <sup>3</sup> /h) |
|                |         | Low      | 294 cfm (500 m <sup>3</sup> /h) | 324 cfm (550 m <sup>3</sup> /h) |
|                |         | Quiet    | 265 cfm (450 m <sup>3</sup> /h) | 283 cfm (480 m <sup>3</sup> /h) |
| NOISE LEVEL    | Cooling | High     | 28 dB(A)                        | 29 dB(A)                        |
|                |         | Medium   | 27 dB(A)                        | 28 dB(A)                        |
|                |         | Low      | 26 dB(A)                        | 27 dB(A)                        |
|                |         | Quiet    | 25 dB(A)                        | 26 dB(A)                        |
|                | Heating | High     | 28 dB(A)                        | 29 dB(A)                        |
|                |         | Medium   | 26 dB(A)                        | 28 dB(A)                        |
|                |         | Low      | 25 dB(A)                        | 27 dB(A)                        |
|                |         | Quiet    | 24 dB(A)                        | 24 dB(A)                        |

MEASUREMENTS

|            |                |  |
|------------|----------------|--|
| DIMENSIONS | H x W x D      | 7-25/32 x 27-9/16 x 24-13/32 inch (198 x 700 x 620 mm) |
| WEIGHT     | Net / Shipping | 41 lb. / 55 lb. (19 kg / 25 kg)                        |

**INDOOR UNIT  
SLIM DUCT**

**ELECTRICAL DATA**

|                   |              |
|-------------------|--------------|
| MODEL NAME        | ARU18RLF     |
| CAPACITY          | 5.0 kW class |
| POWER CONSUMPTION | 73 W         |
| RUNNING CURRENT   | 0.44 A       |

**FAN MOTOR**

|                |         |          |                                 |
|----------------|---------|----------|---------------------------------|
| DISCRIMINATION |         | MFG-24WV |                                 |
| FAN SPEED      | Cooling | High     | 1,380 r.p.m.                    |
|                |         | Medium   | 1,300 r.p.m.                    |
|                |         | Low      | 1,220 r.p.m.                    |
|                |         | Quiet    | 1,140 r.p.m.                    |
|                | Heating | High     | 1,380 r.p.m.                    |
|                |         | Medium   | 1,300 r.p.m.                    |
|                |         | Low      | 1,220 r.p.m.                    |
|                |         | Quiet    | 1,140 r.p.m.                    |
| AIR FLOW       | Cooling | High     | 554 cfm (940 m <sup>3</sup> /h) |
|                |         | Medium   | 518 cfm (880 m <sup>3</sup> /h) |
|                |         | Low      | 483 cfm (820 m <sup>3</sup> /h) |
|                |         | Quiet    | 442 cfm (750 m <sup>3</sup> /h) |
|                | Heating | High     | 554 cfm (940 m <sup>3</sup> /h) |
|                |         | Medium   | 518 cfm (880 m <sup>3</sup> /h) |
|                |         | Low      | 483 cfm (820 m <sup>3</sup> /h) |
|                |         | Quiet    | 442 cfm (750 m <sup>3</sup> /h) |
| NOISE LEVEL    | Cooling | High     | 32 dB(A)                        |
|                |         | Medium   | 31 dB(A)                        |
|                |         | Low      | 30 dB(A)                        |
|                |         | Quiet    | 29 dB(A)                        |
|                | Heating | High     | 33 dB(A)                        |
|                |         | Medium   | 32 dB(A)                        |
|                |         | Low      | 31 dB(A)                        |
|                |         | Quiet    | 29 dB(A)                        |

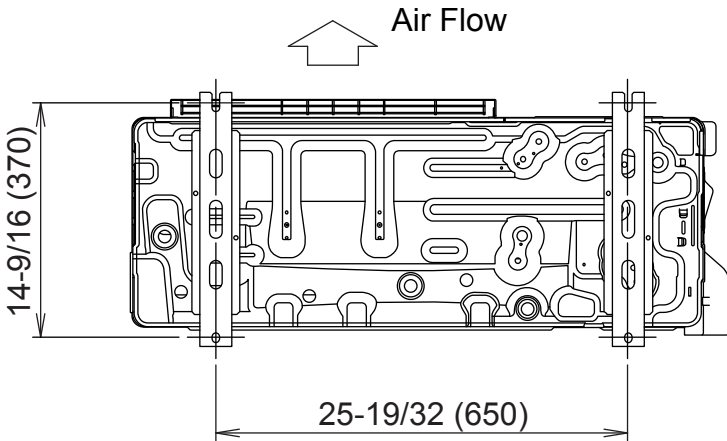
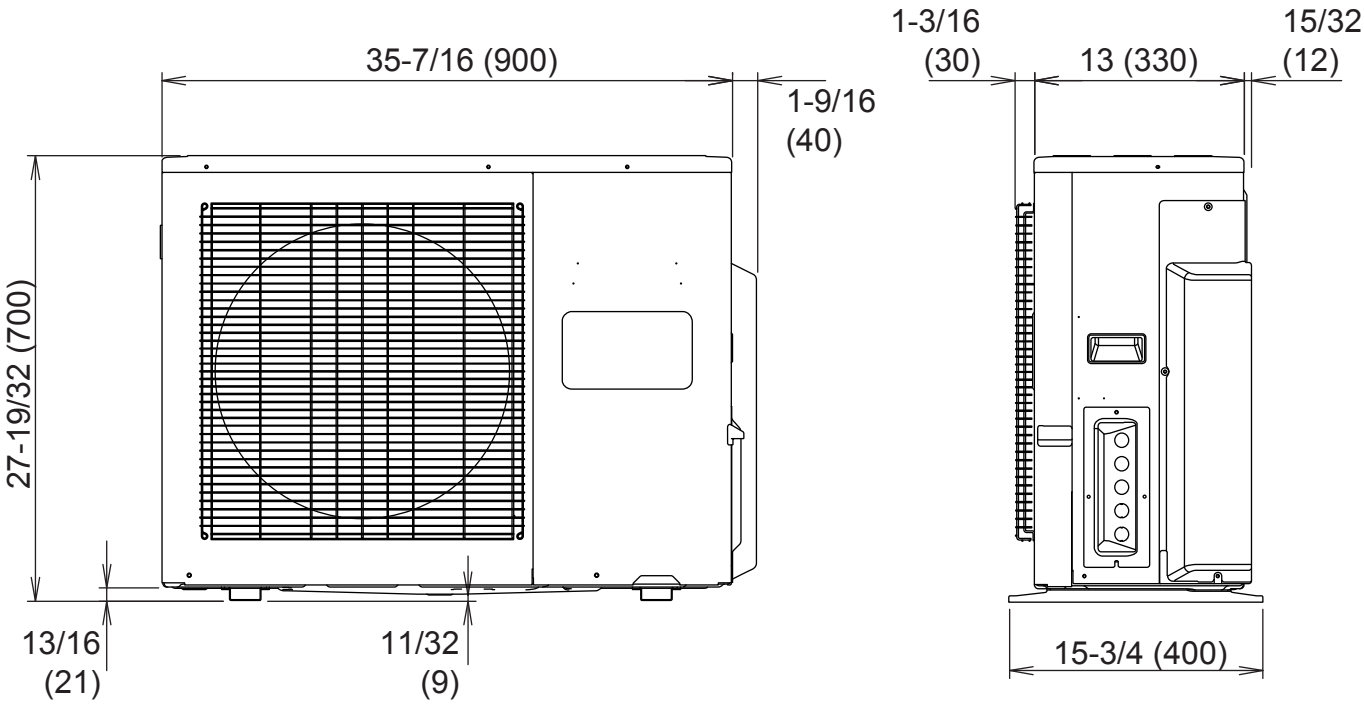
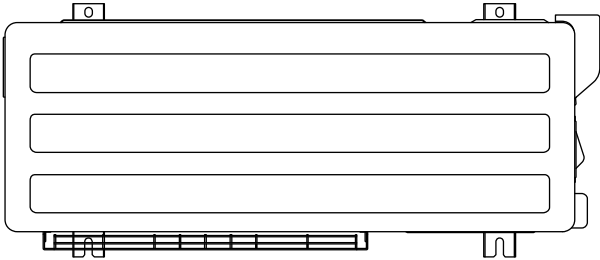
**MEASUREMENTS**

|            |                |   |
|------------|----------------|---|
| DIMENSIONS | H x W x D      | 7-25/32 x 35-7/16 x 24-13/32 inch<br>(198 x 900 x 620 mm) |
| WEIGHT     | Net / Shipping | 50 lb. / 63 lb.<br>(23 kg / 29 kg)                        |

# DIMENSIONS

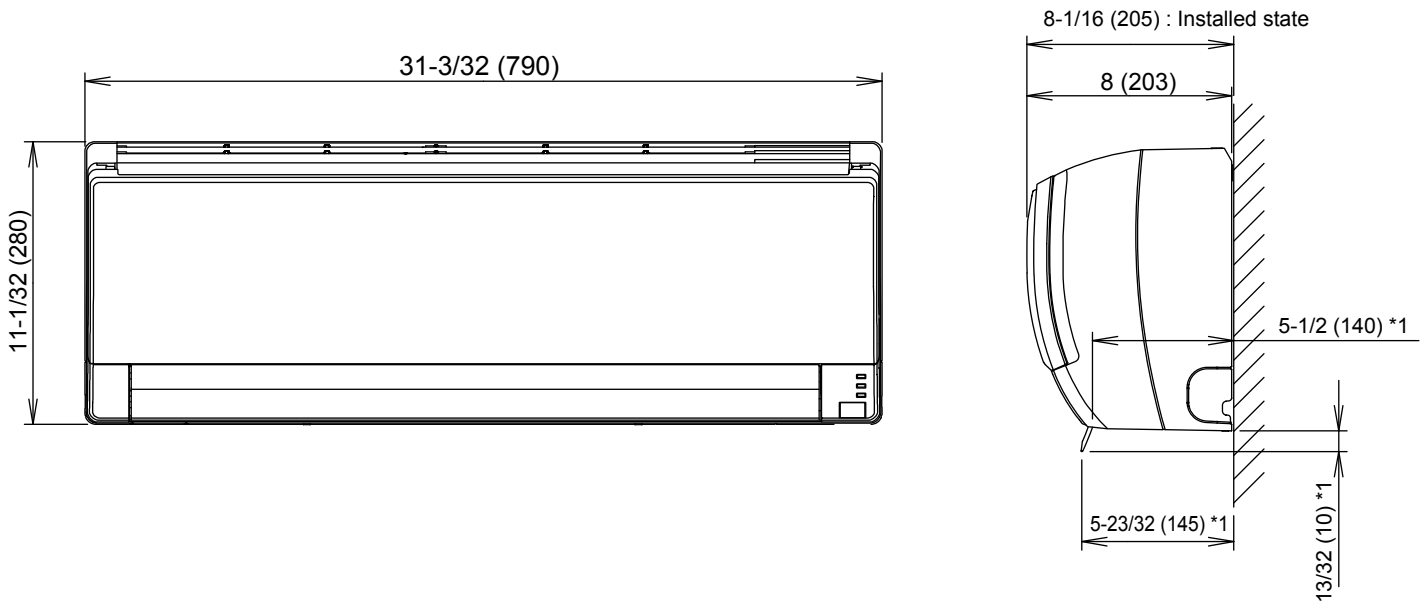
## OUTDOOR UNIT

Unit : inch (mm)

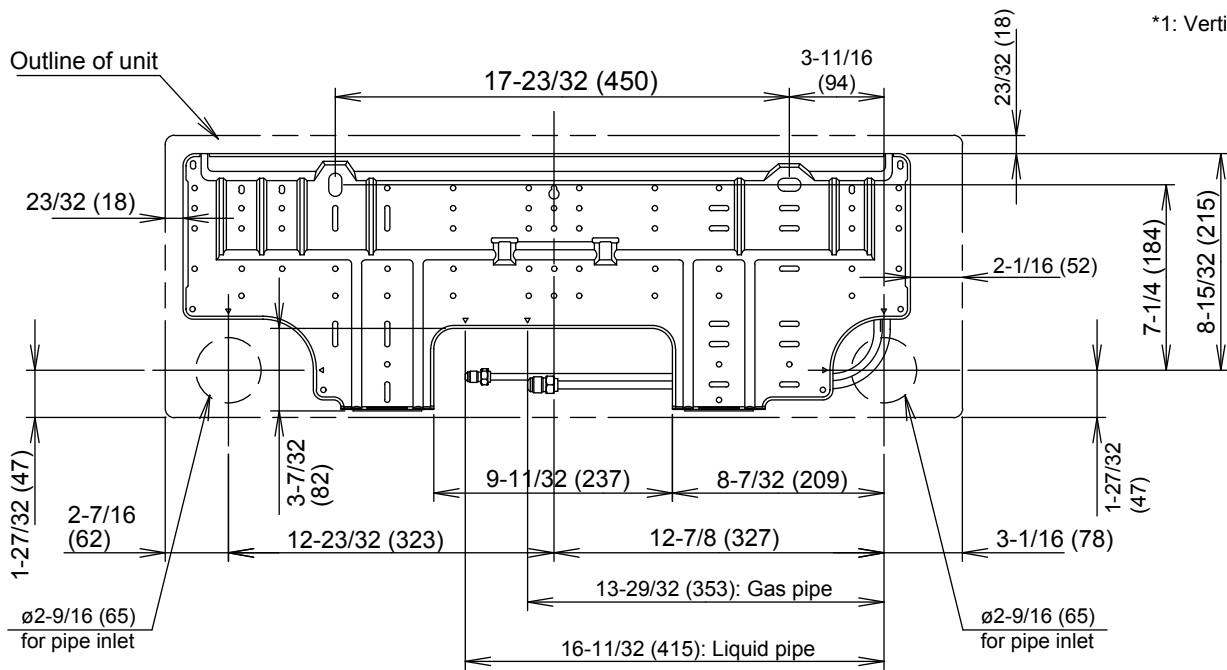


INDOOR UNIT  
 COMPACT WALL MOUNTED  
 ASU7RLF  
 ASU9RLF  
 ASU12RLF

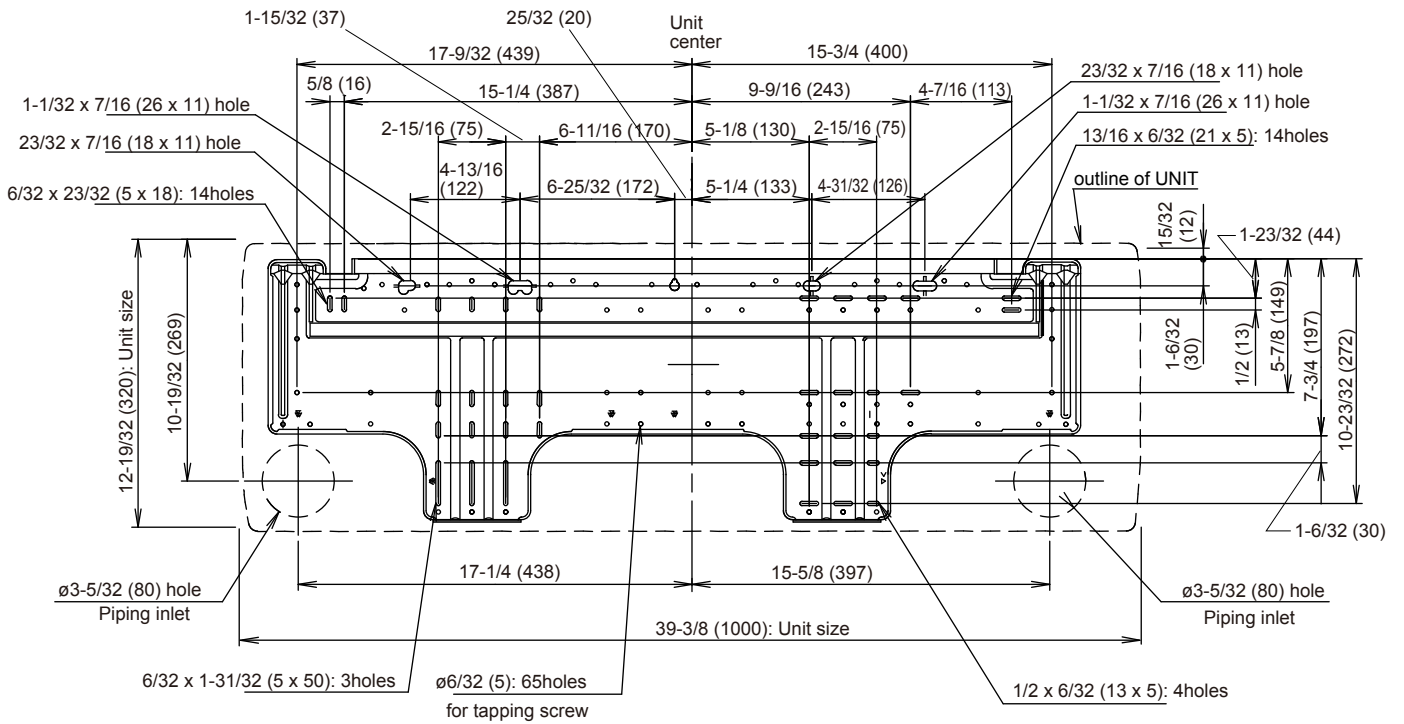
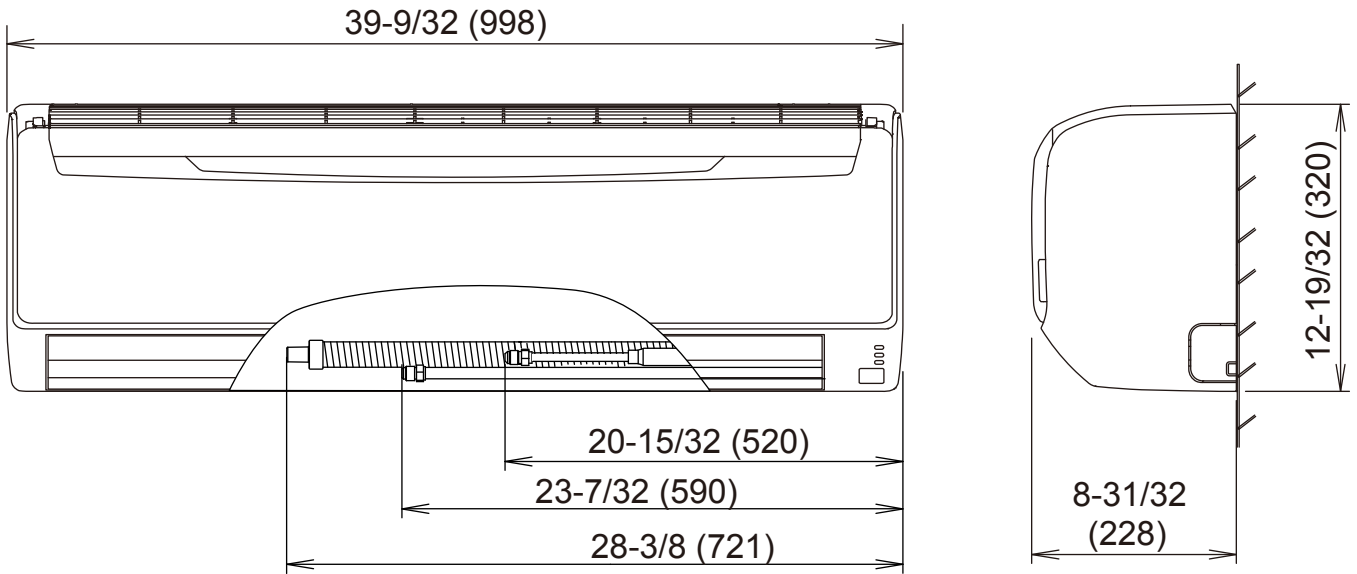
Unit : inch (mm)



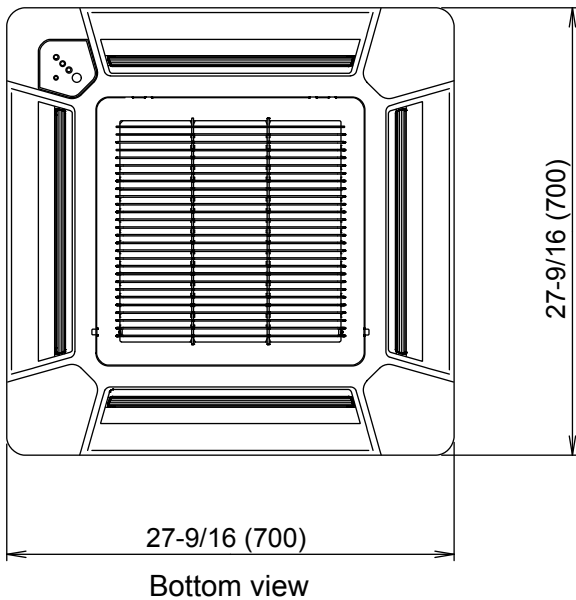
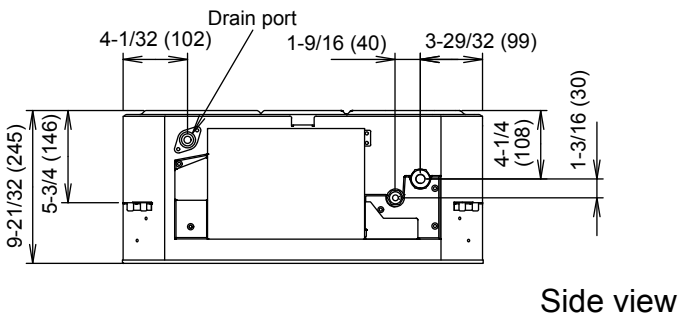
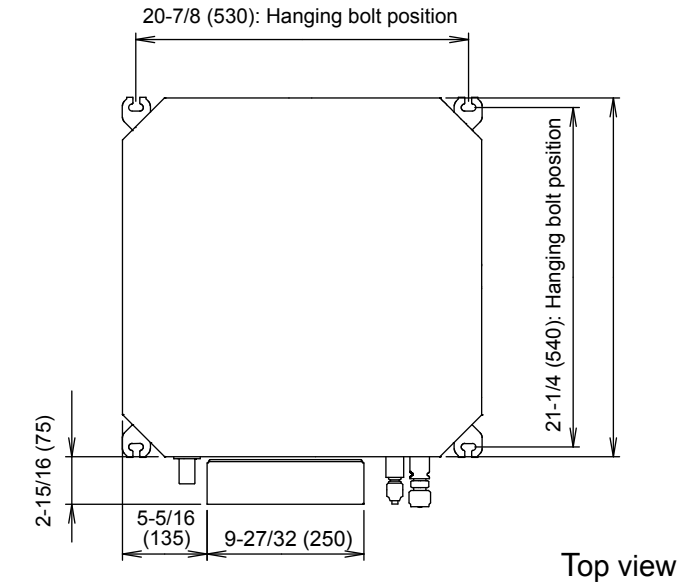
\*1: Vertical flap is downward



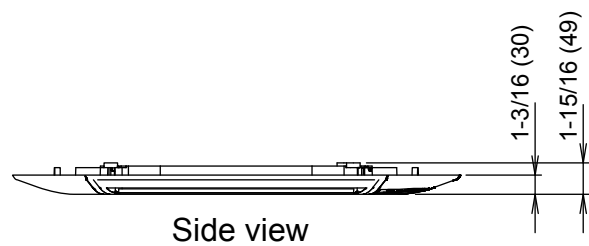
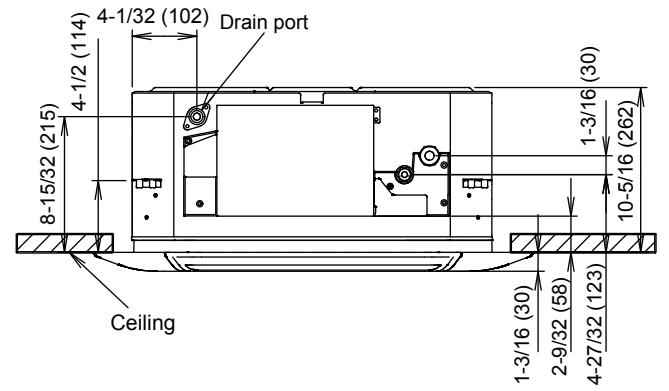
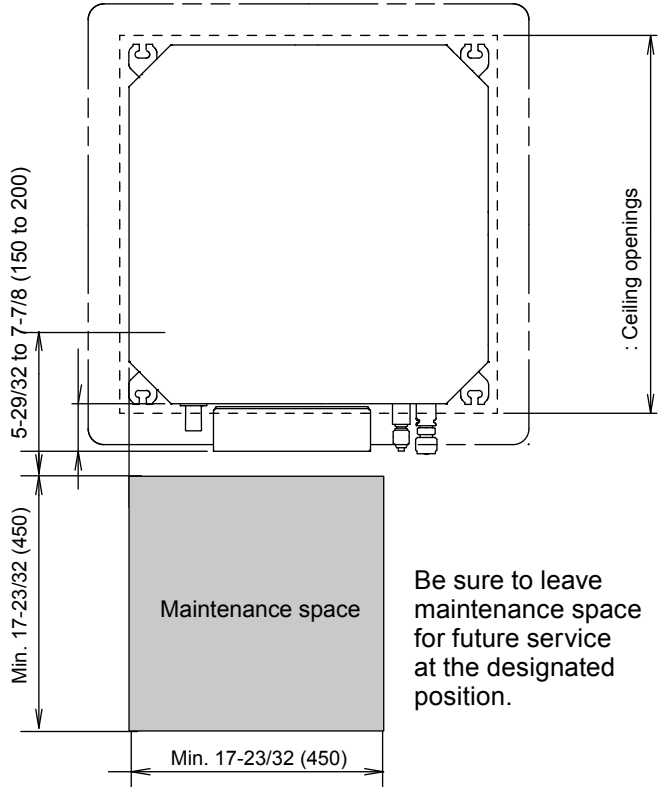
INDOOR UNIT  
 WALL MOUNTED  
 ASU18RLF  
 Unit : inch (mm)



INDOOR UNIT  
 COMPACT CASSETTE  
 AUU9RLF  
 AUU12RLF  
 AUU18RLF  
 Unit : inch (mm)

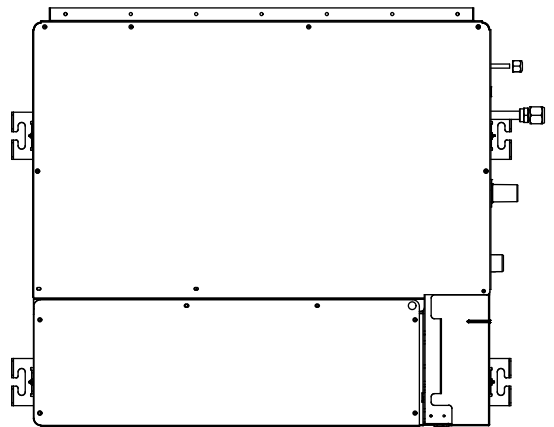
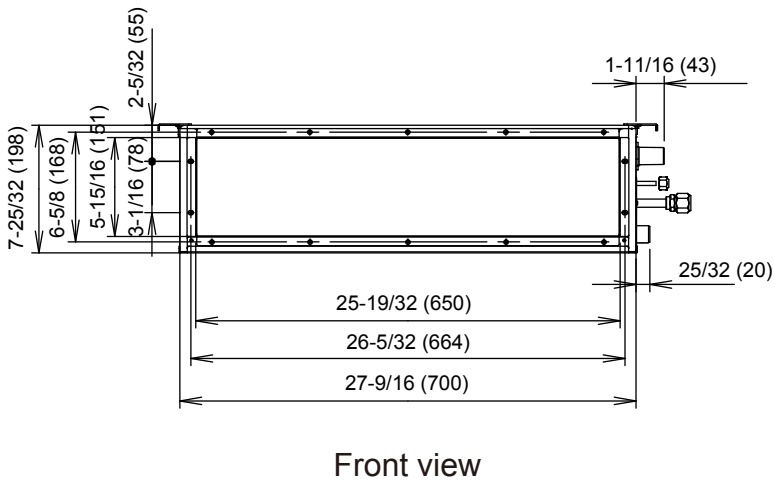
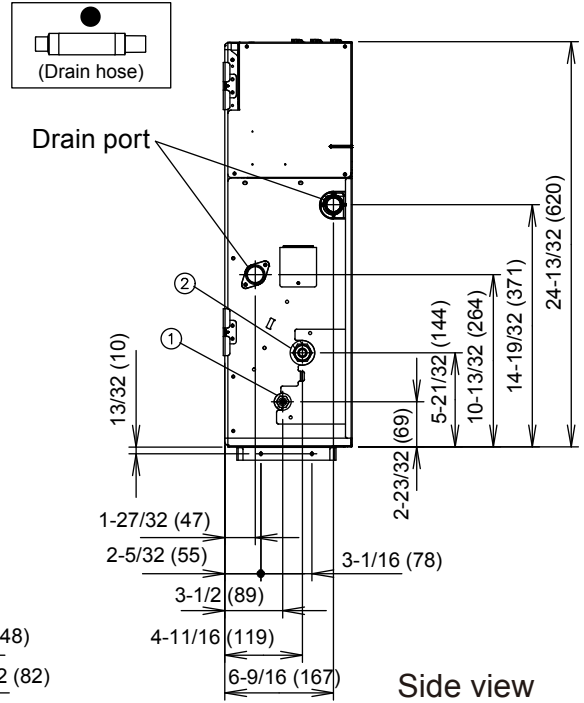
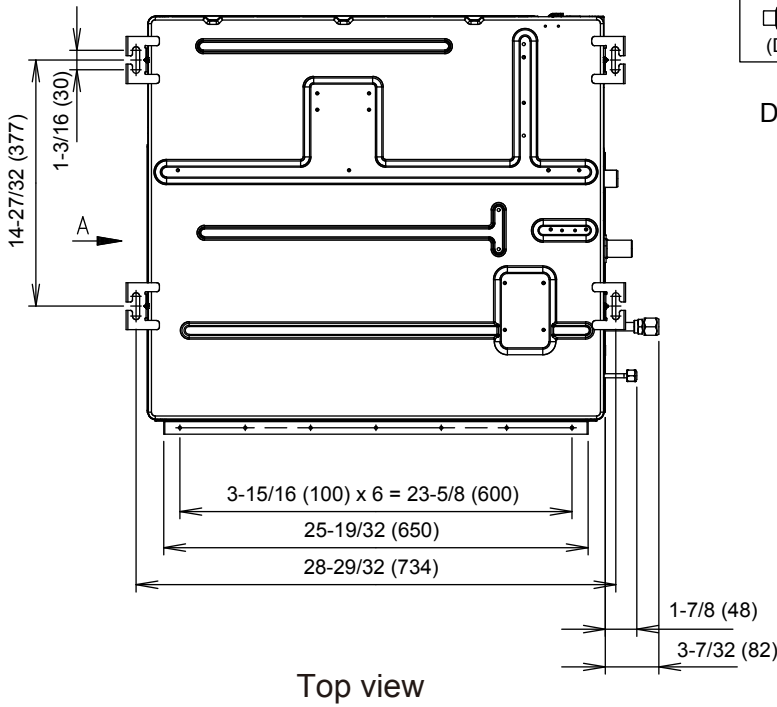
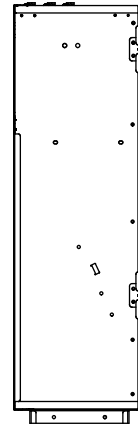
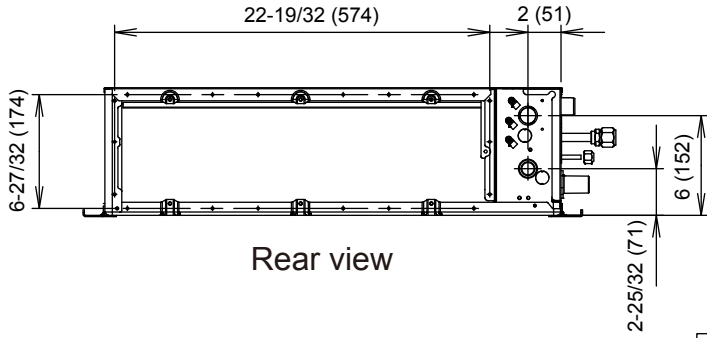


• Decoration panel mounting state



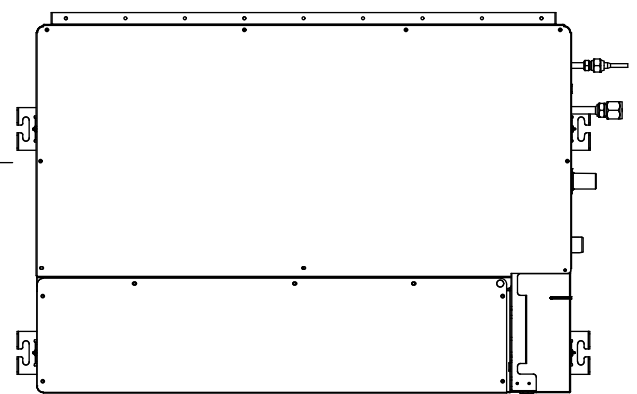
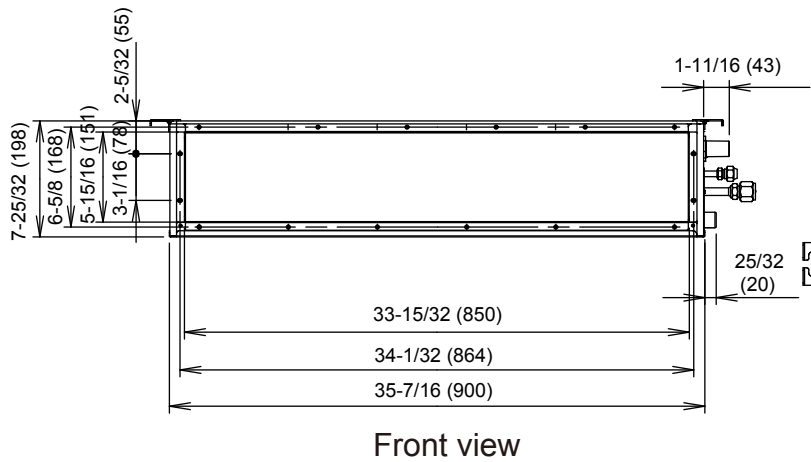
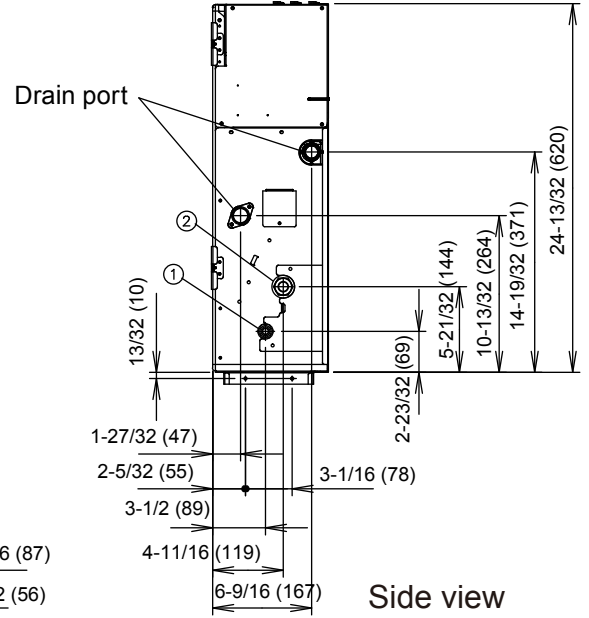
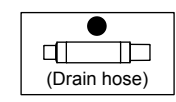
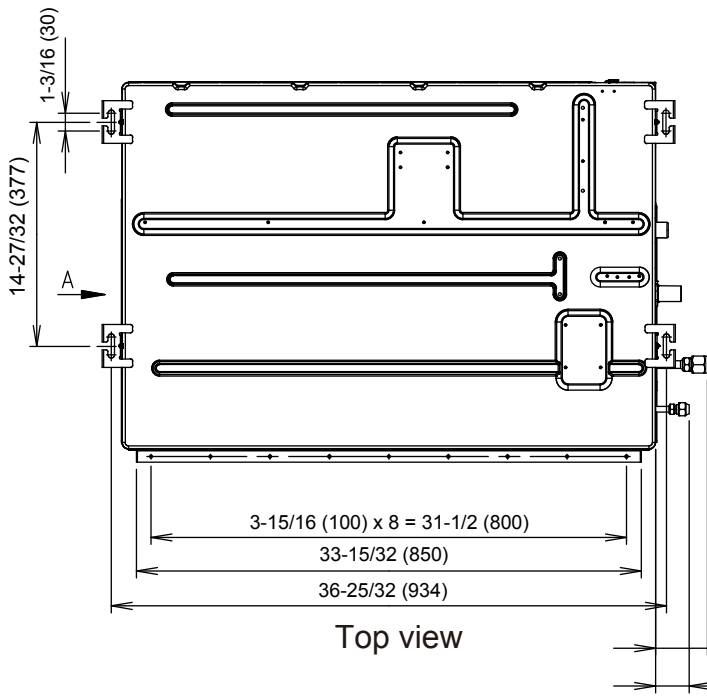
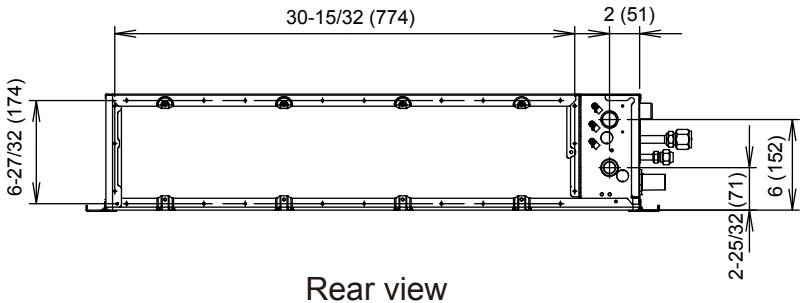
INDOOR UNIT  
SLIM DUCT  
ARU9RLF  
ARU12RLF

Unit : inch (mm)



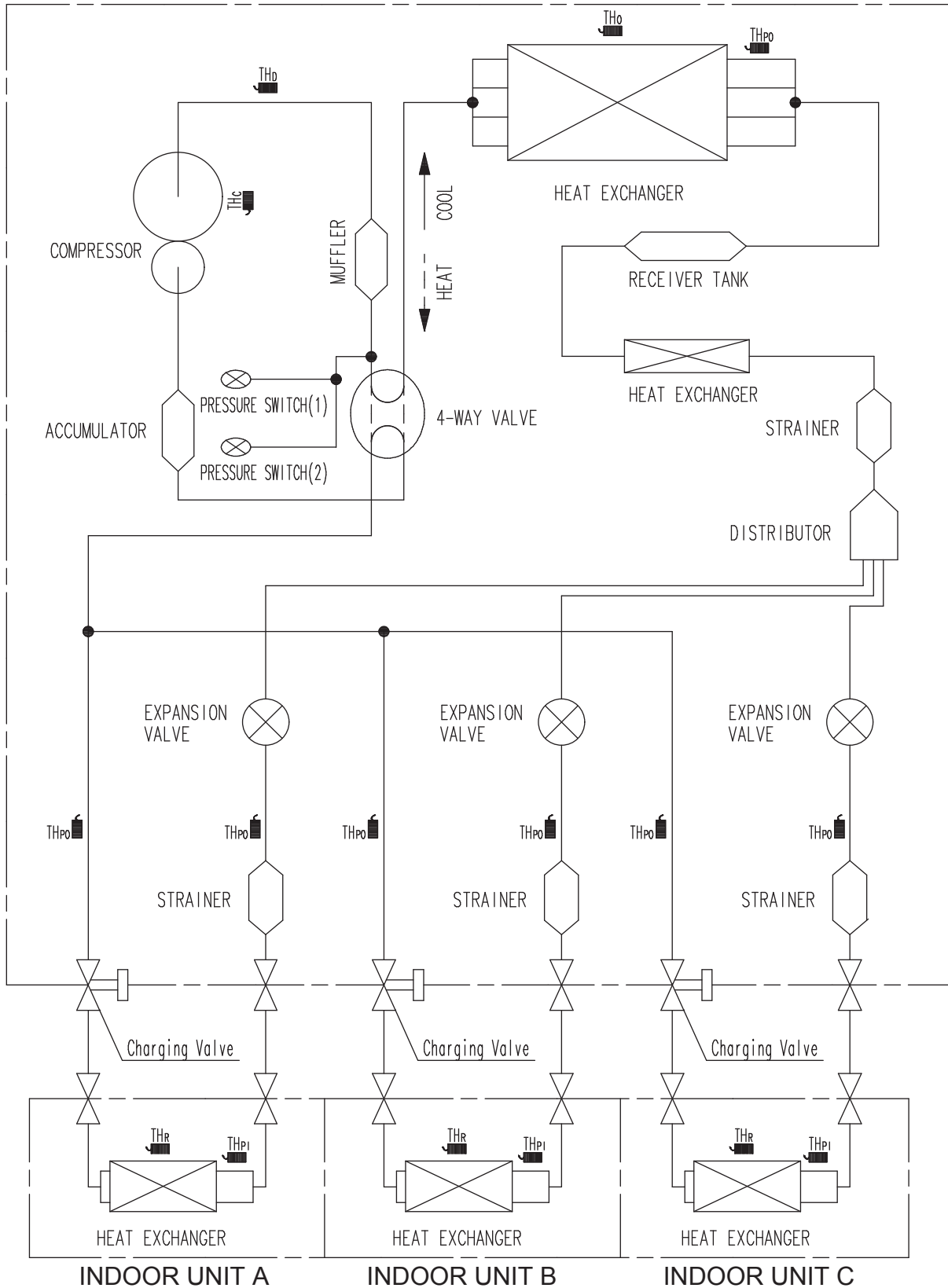


INDOOR UNIT  
SLIM DUCT  
ARU18RLF  
Unit : inch (mm)



# REFRIGERANT SYSTEM DIAGRAM

## OUTDOOR UNIT

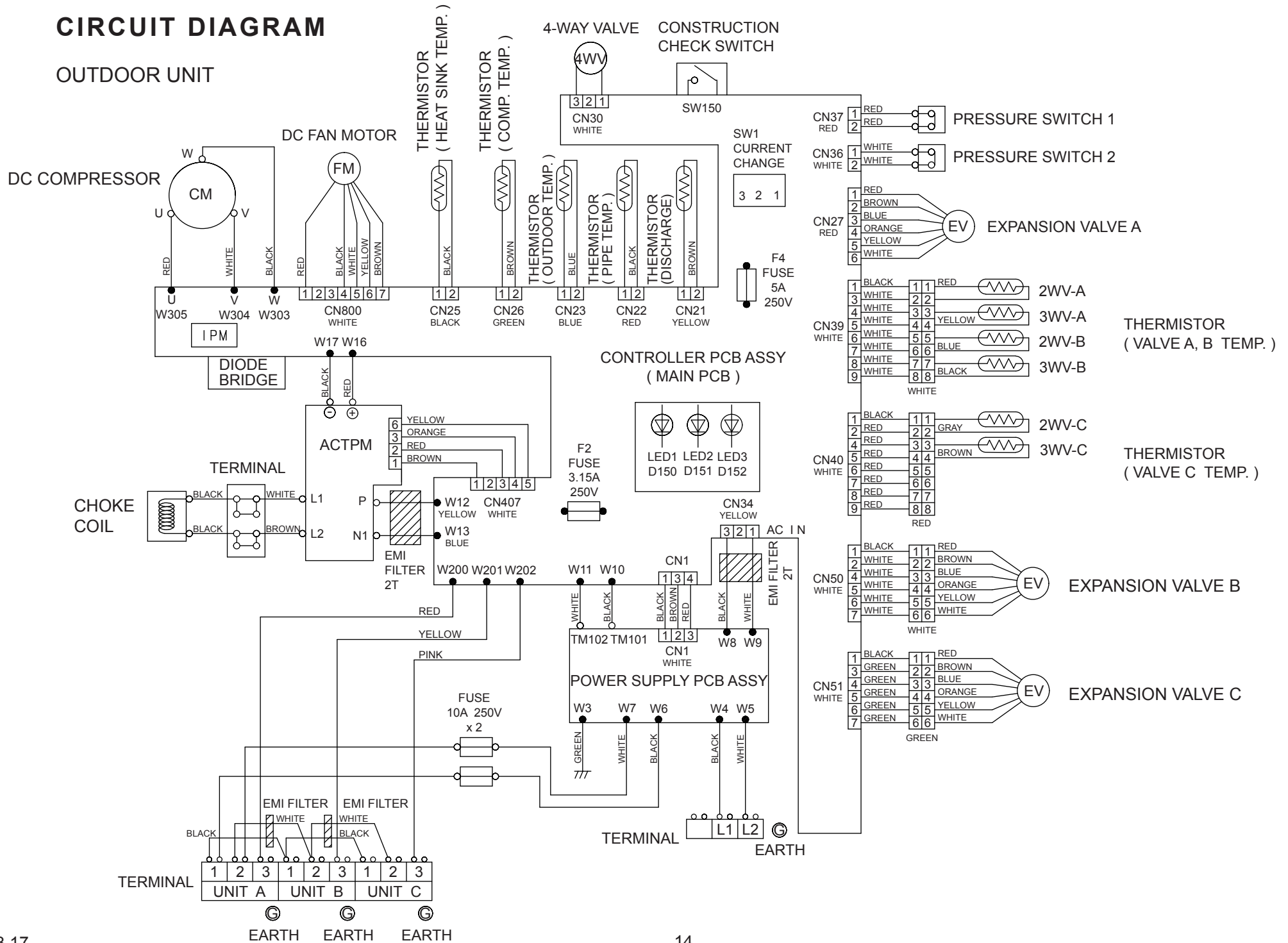


$TH_d$ : THERMISTOR(DISCHARGE TEMP.)  
 $TH_o$ : THERMISTOR(OUTDOOR TEMP.)  
 $TH_{po}$ : THERMISTOR(PIPE TEMP.)  
 $TH_c$ : THERMISTOR(COMPRESSOR TEMP.)

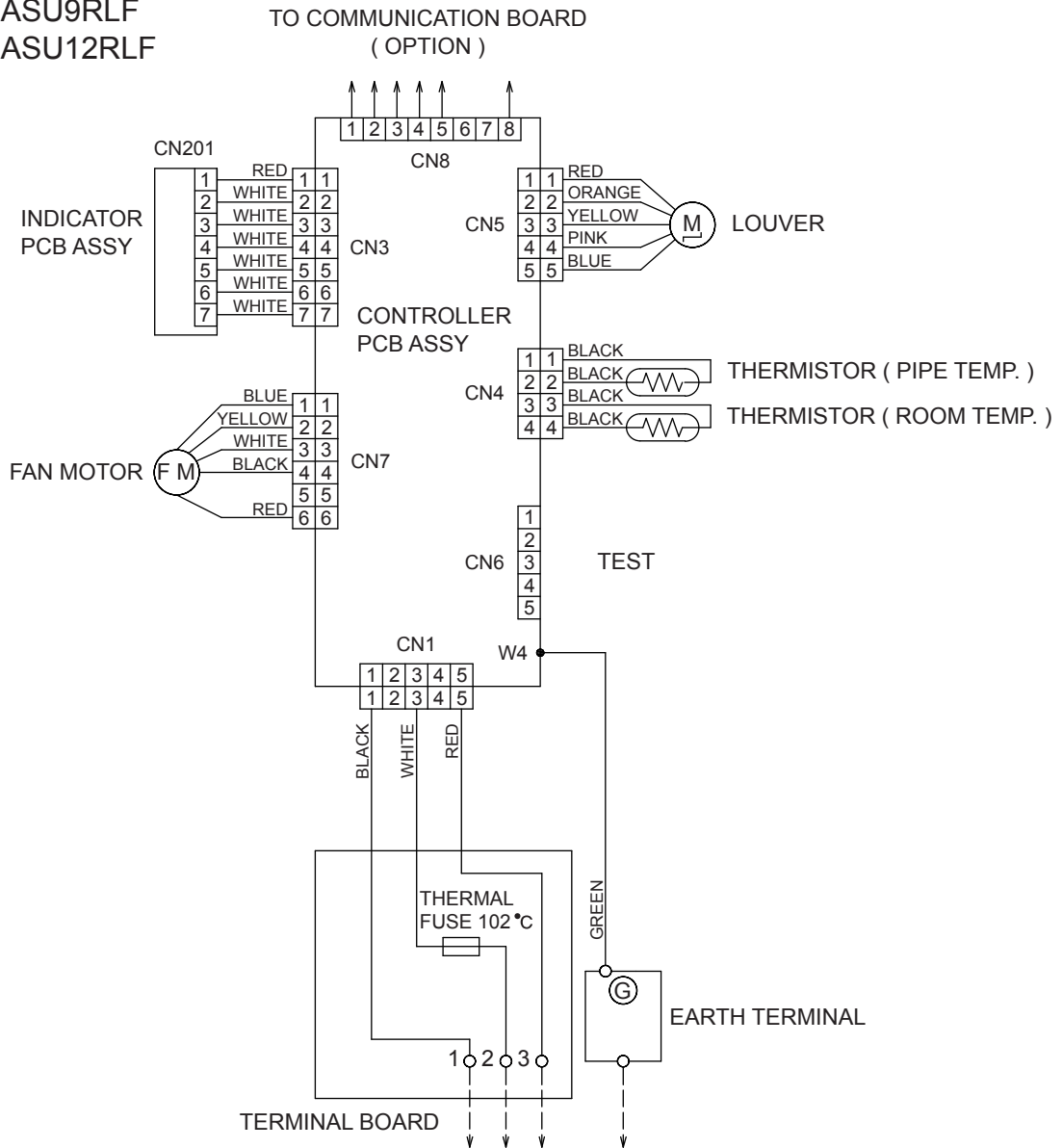
$TH_r$ : THERMISTOR(ROOM TEMP.)  
 $TH_{pi}$ : THERMISTOR(PIPE TEMP.)

# CIRCUIT DIAGRAM

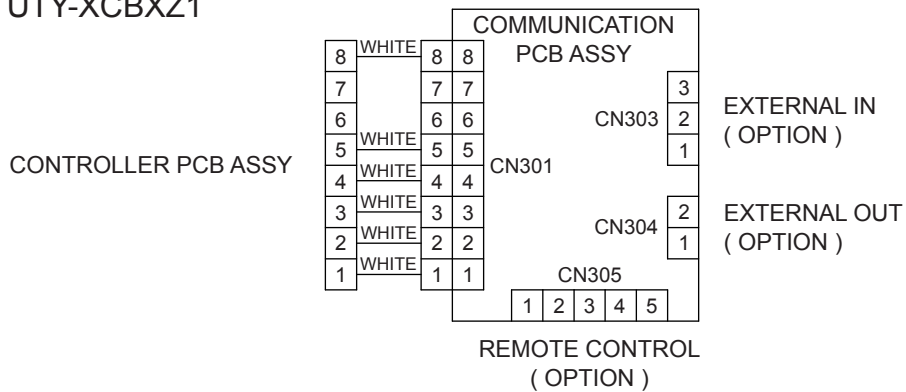
## OUTDOOR UNIT



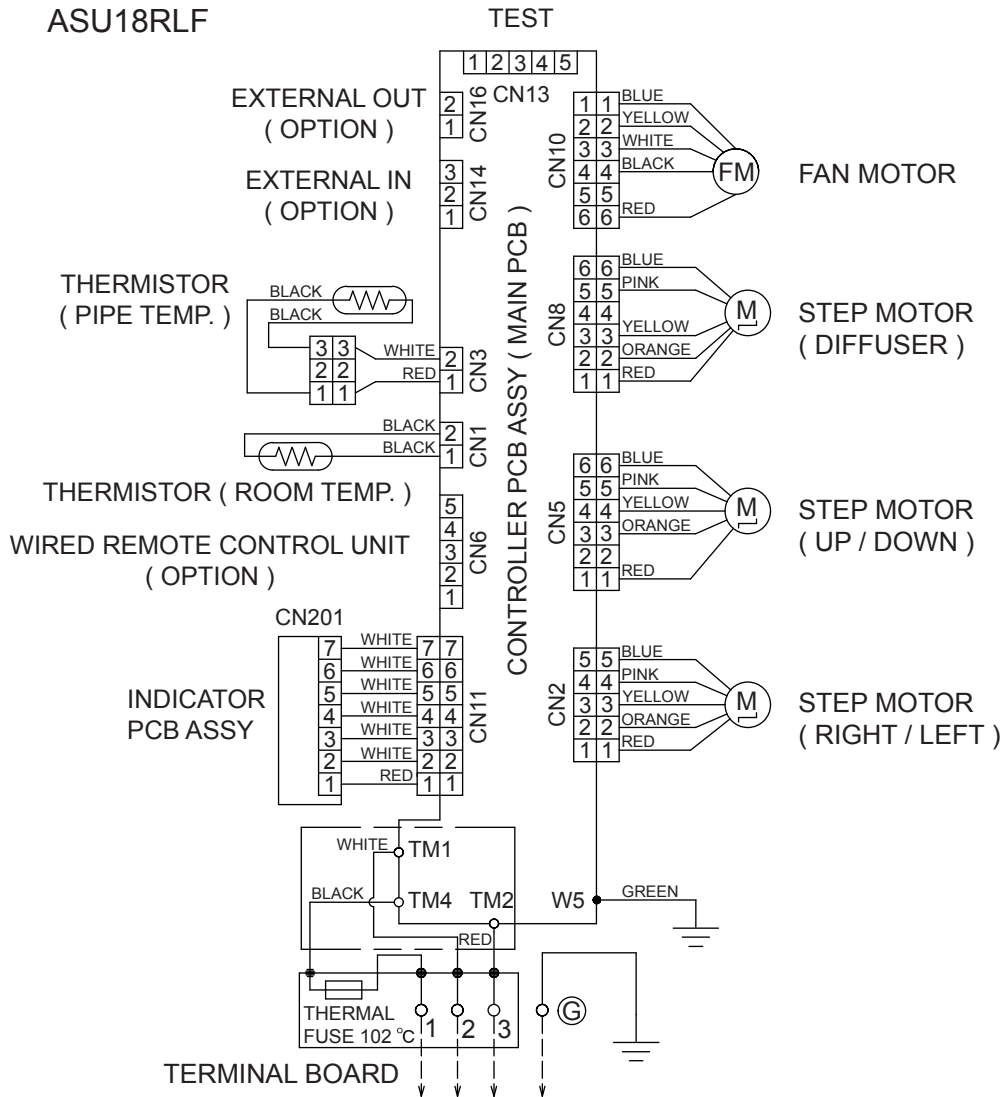
INDOOR UNIT  
 COMPACT WALL MOUNTED  
 ASU7RLF  
 ASU9RLF  
 ASU12RLF



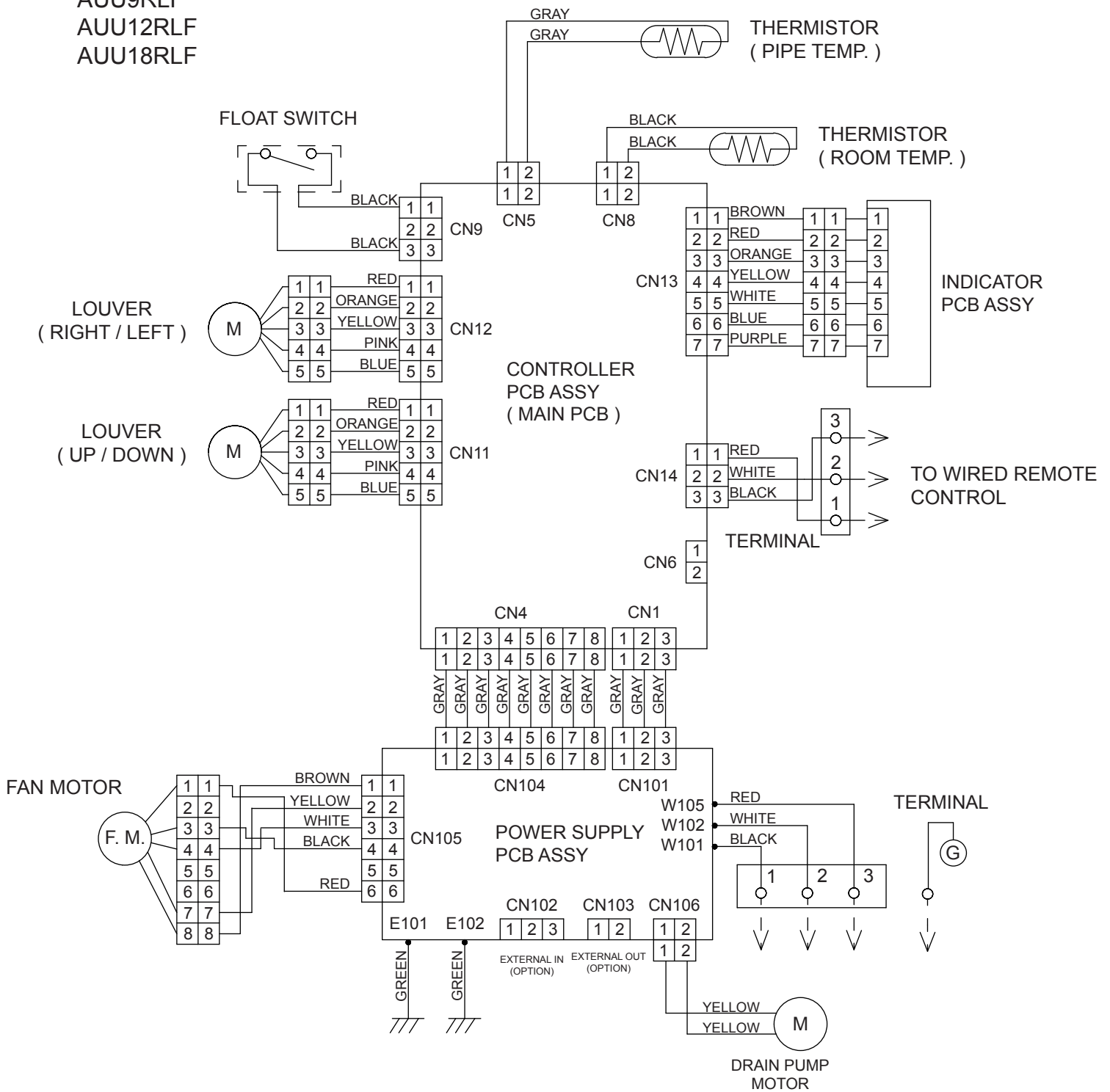
COMMUNICATION KIT  
 UTY-XCBXZ1



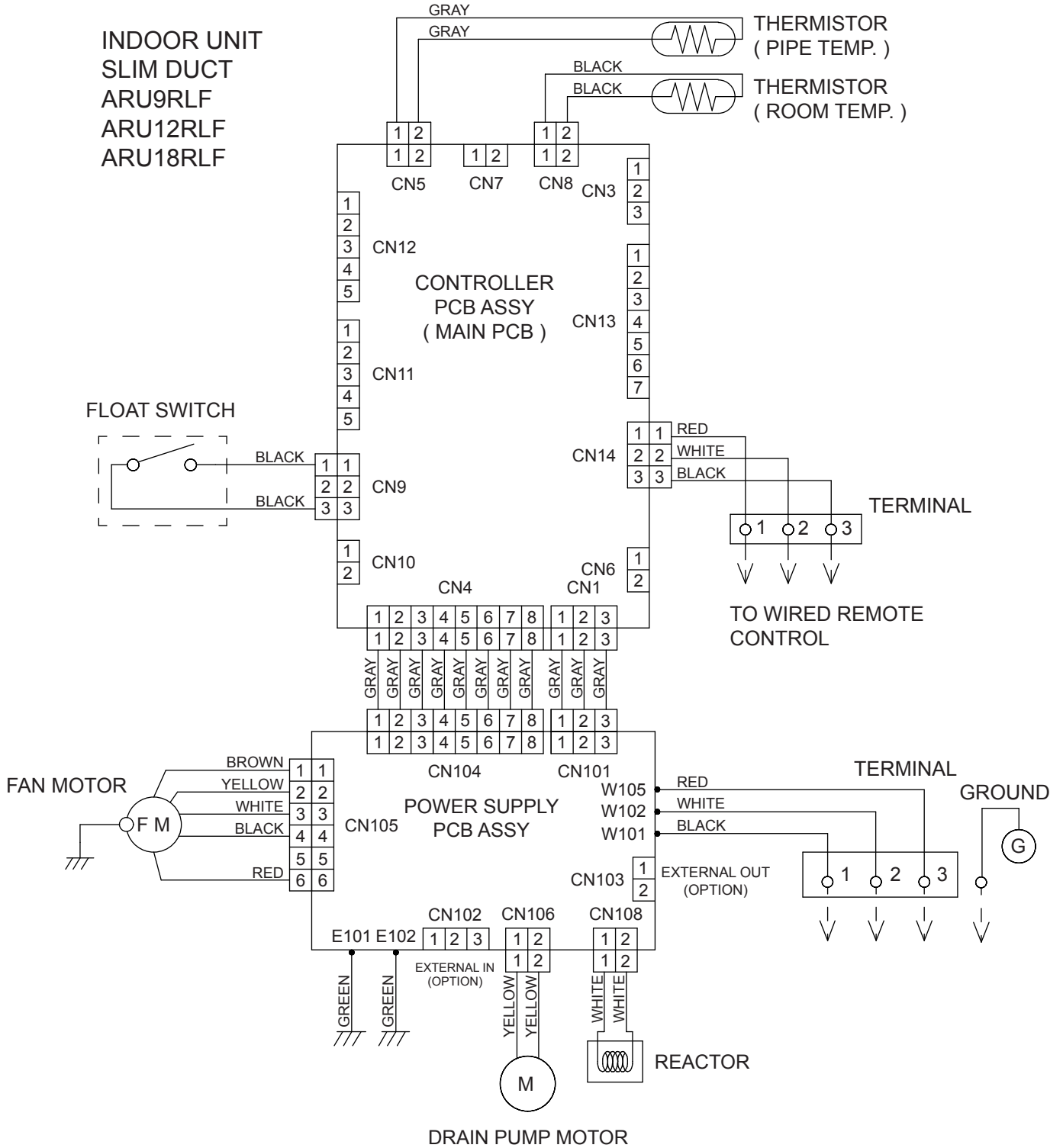
INDOOR UNIT  
WALL MOUNTED  
ASU18RLF



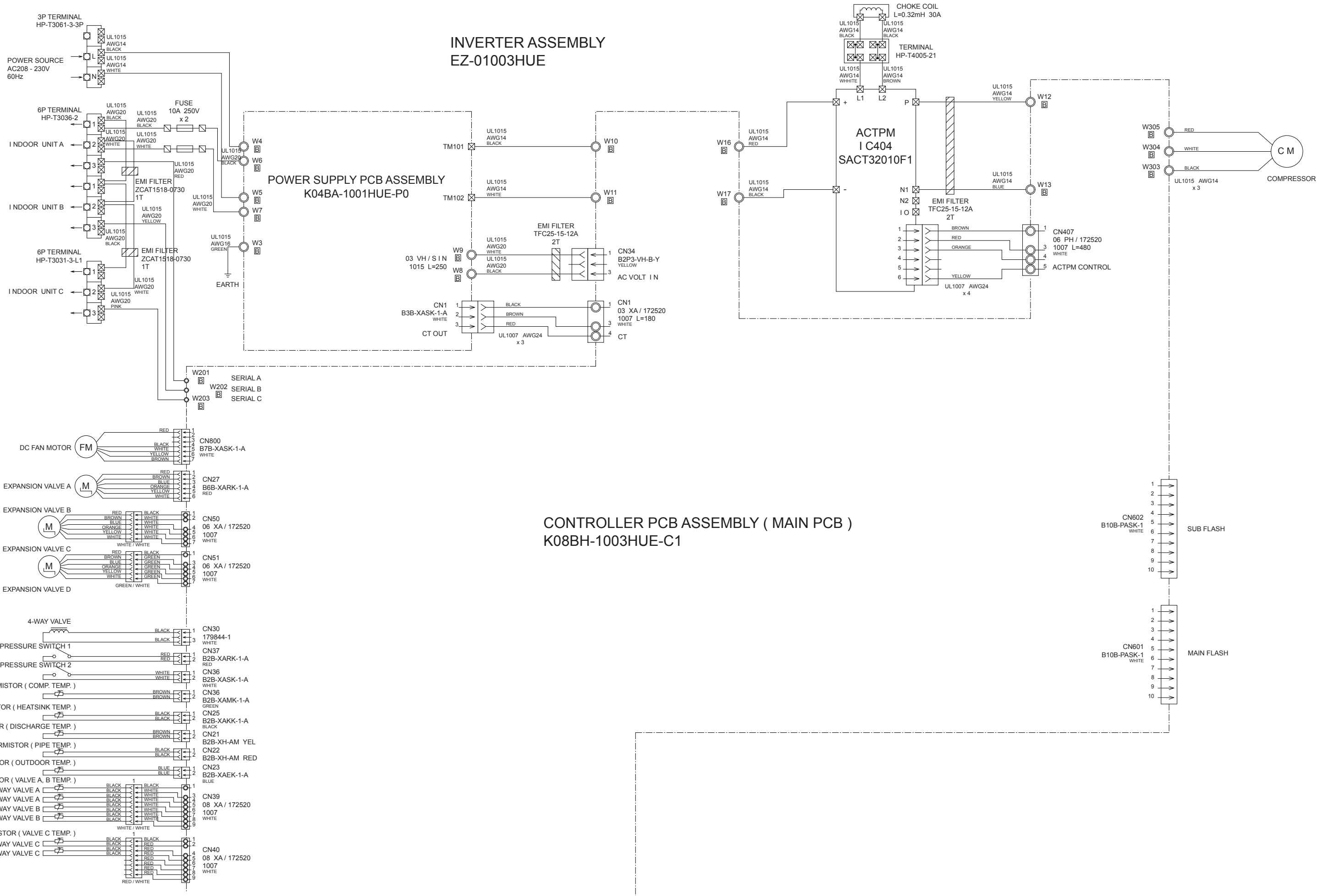
INDOOR UNIT  
 COMPACT CASSETTE  
 AUU9RLF  
 AUU12RLF  
 AUU18RLF



INDOOR UNIT  
SLIM DUCT  
ARU9RLF  
ARU12RLF  
ARU18RLF



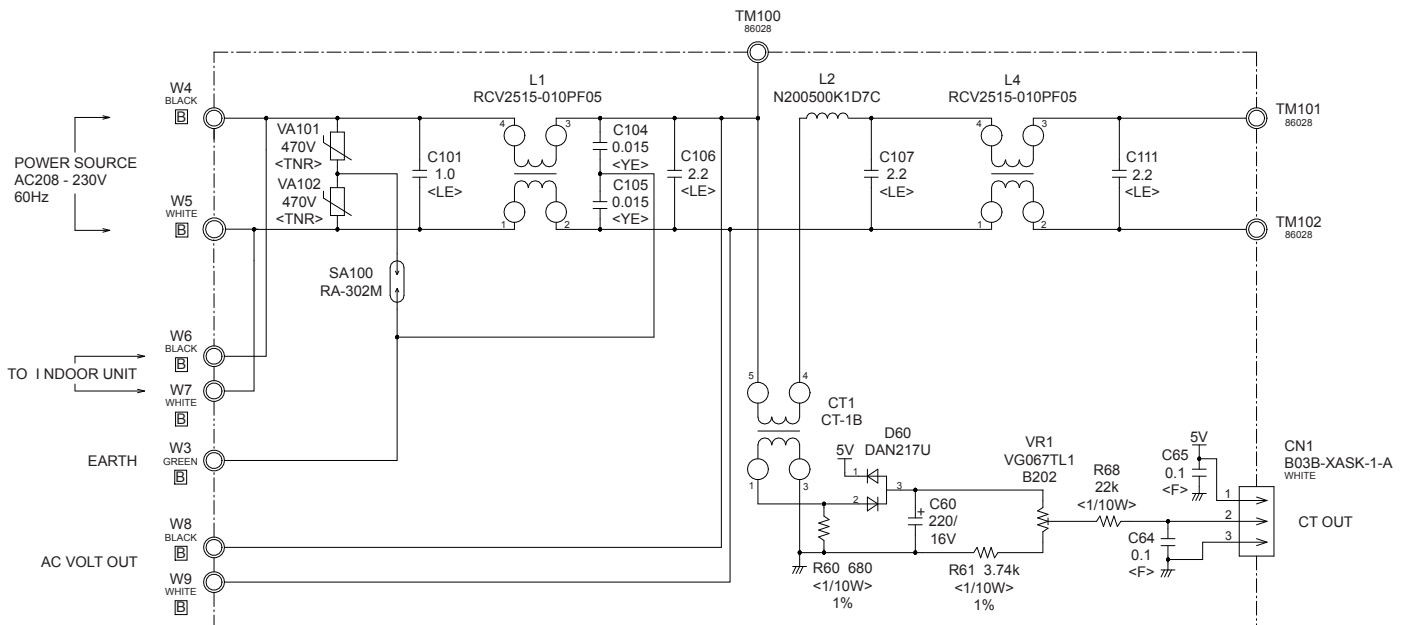
# OUTDOOR PCB CIRCUIT DIAGRAM





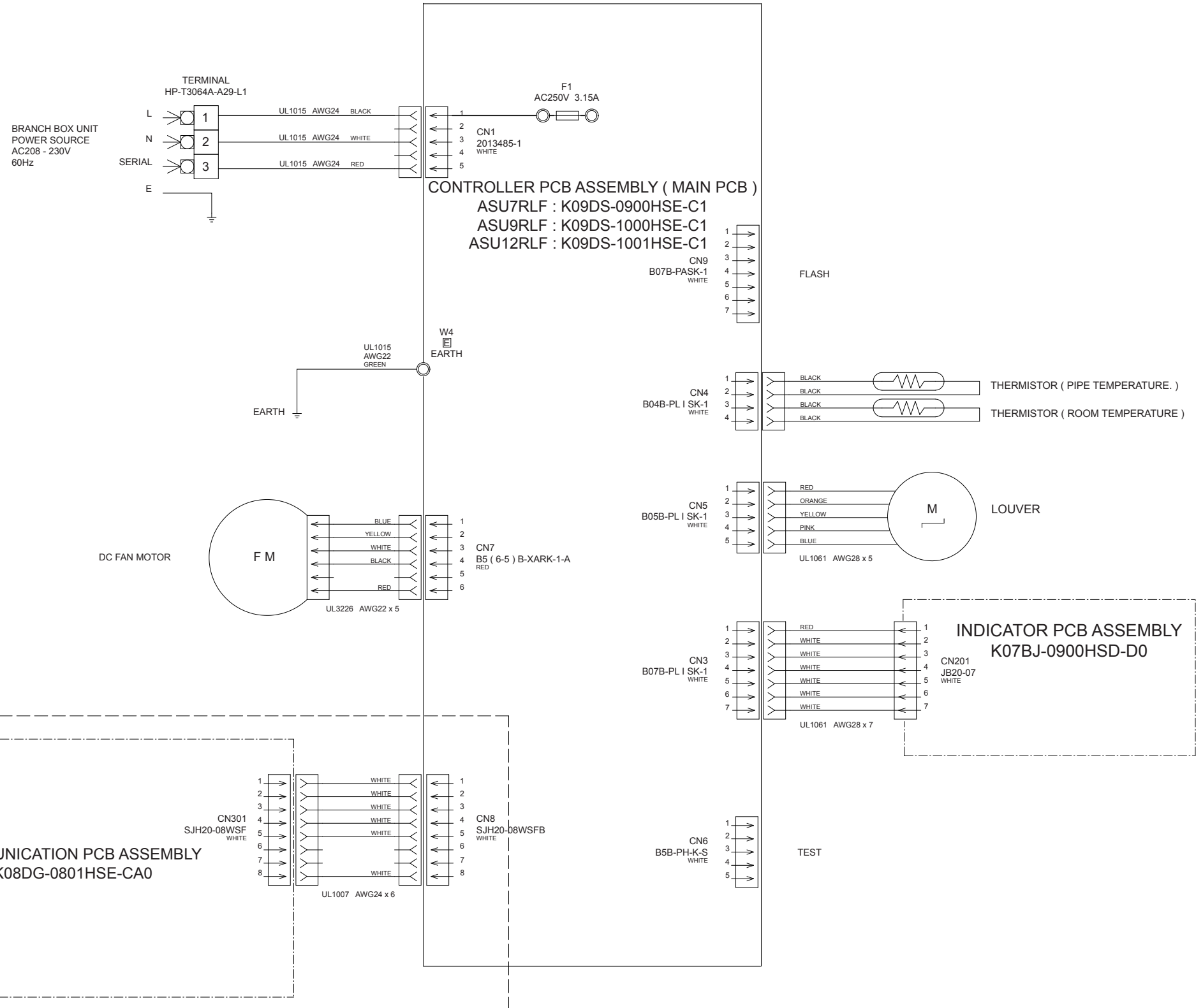


# OUTDOOR UNIT POWER SUPPLY PCB ASSEMBLY K04BA-1001HUE-P0

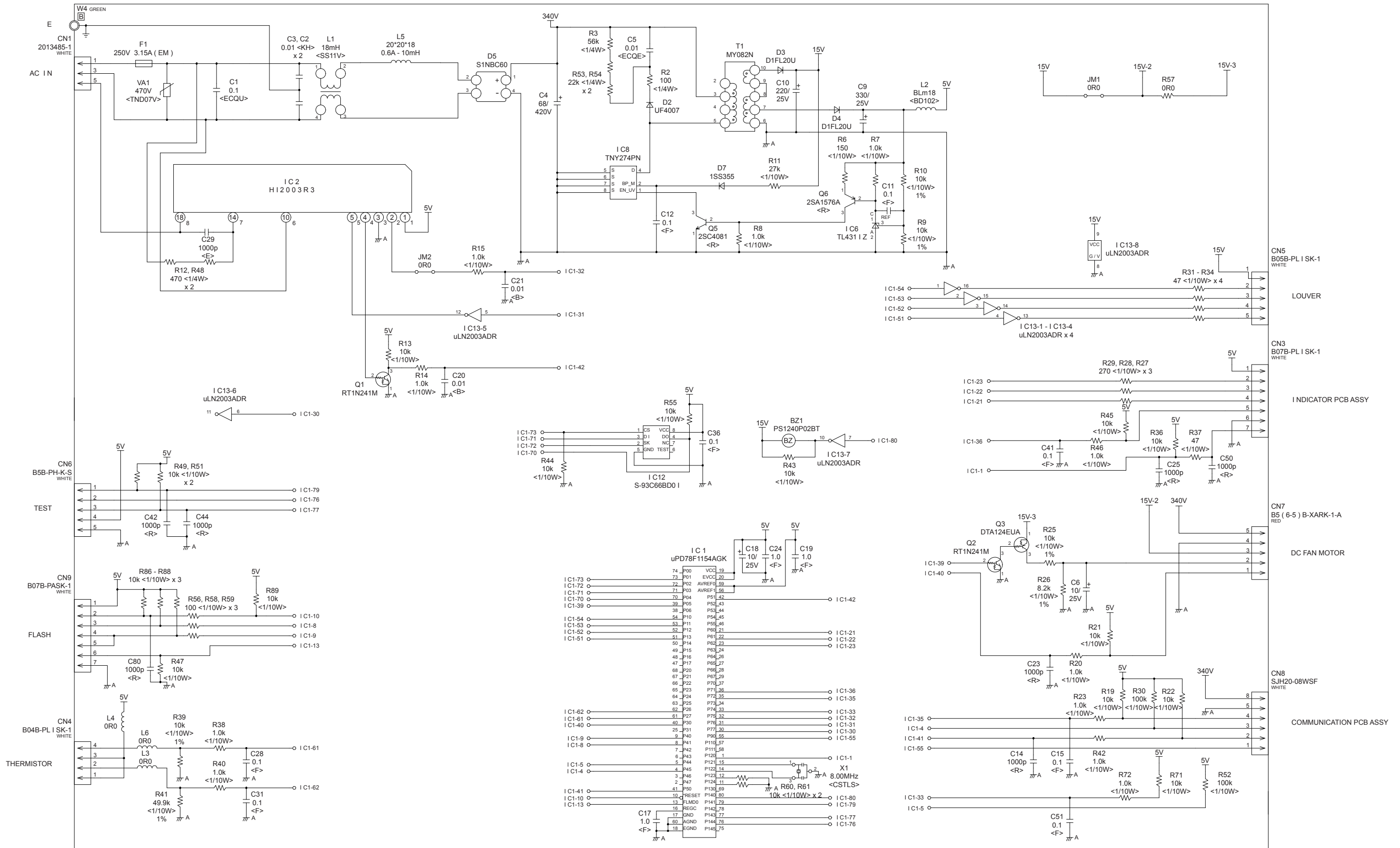


# INDOOR PCB CIRCUIT DIAGRAM

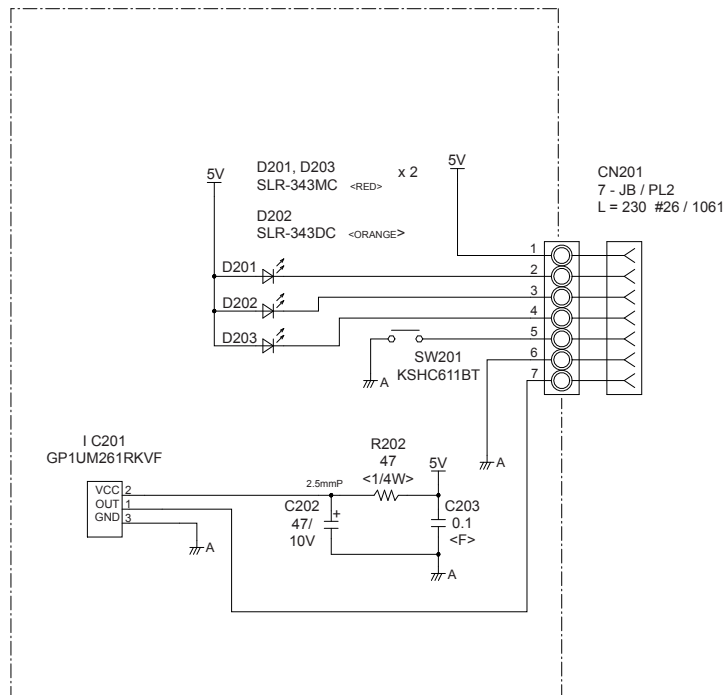
COMPACT WALL MOUNTED  
CONTROL UNIT  
ASU7RLF : EZ-0090CHSE  
ASU9RLF : EZ-0102HSE  
ASU12RLF : EZ-0103HSE



INDOOR UNIT  
 COMPACT WALL MOUNTED  
 CONTROLLER PCB ASSEMBLY ( MAIN PCB )  
 ASU7RLF : K09DS-0900HSE-C1  
 ASU9RLF : K09DS-1000HSE-C1  
 ASU12RLF : K09DS-1001HSE-C1

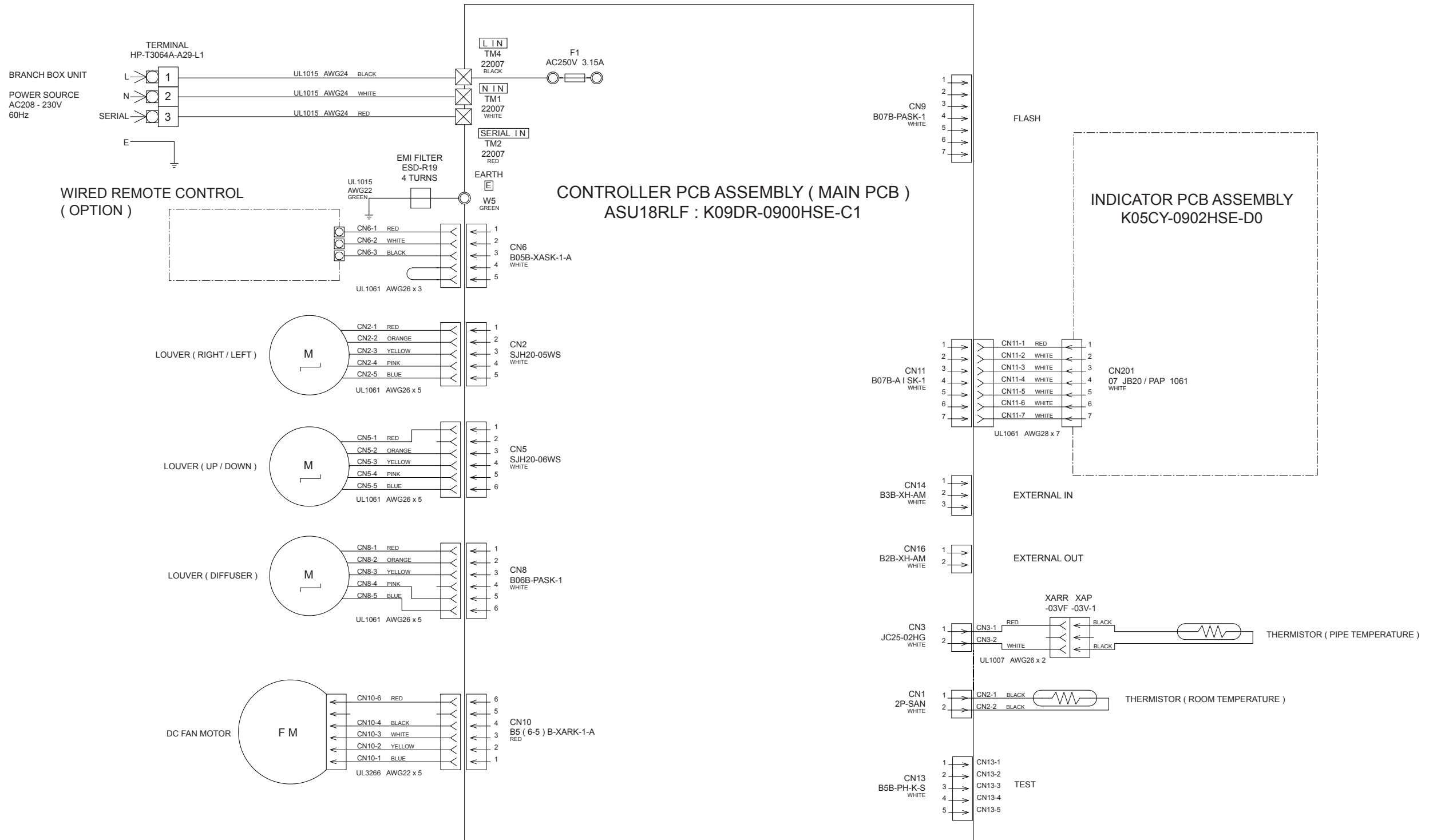


INDOOR UNIT  
 COMPACT WALL MOUNTED  
 ASU7RLF  
 ASU9RLF  
 ASU12RLF  
 INDICATOR PCB ASSEMBLY  
 K07BJ-0900HSD-D0



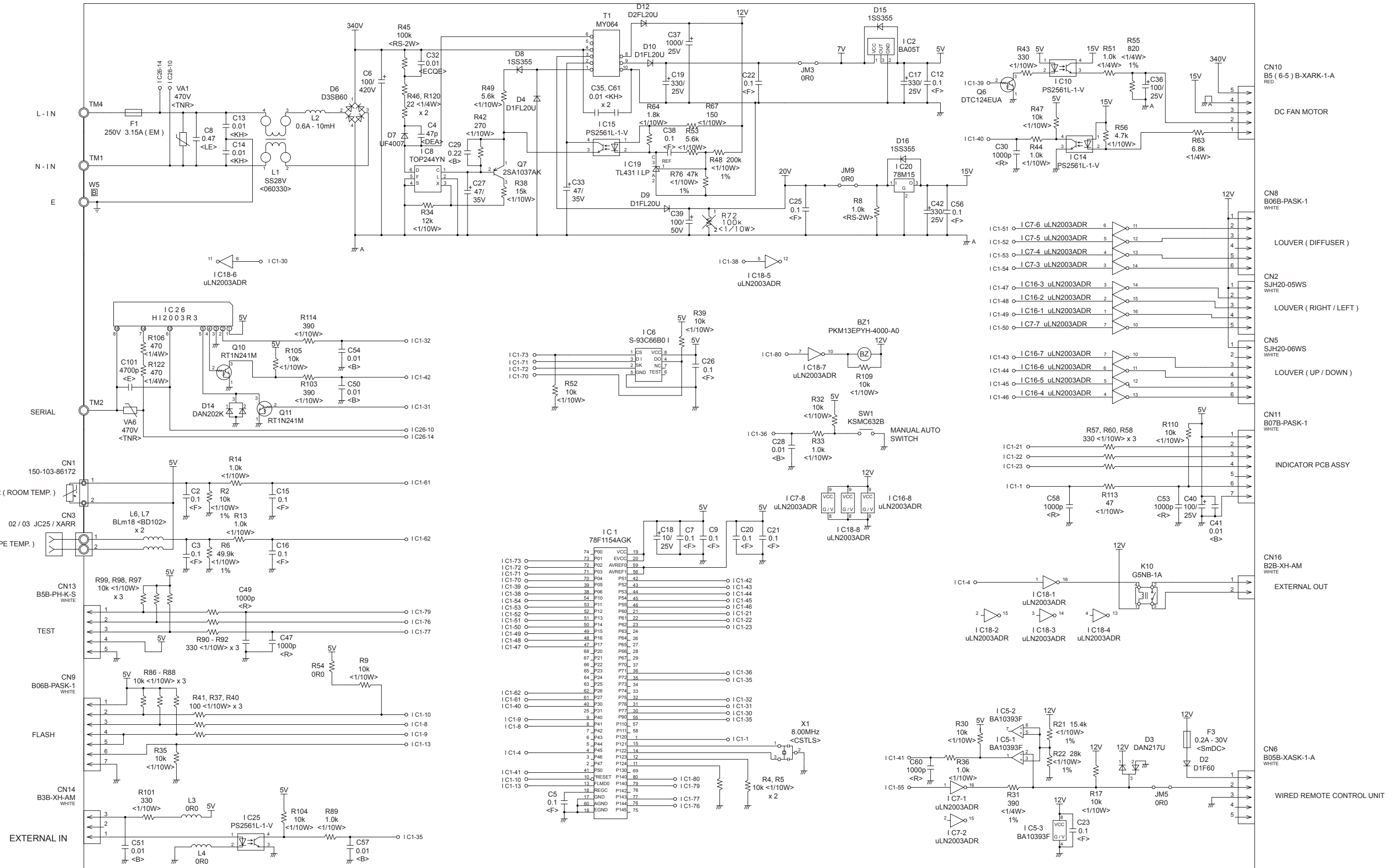


INDOOR UNIT  
WALL MOUNTED  
CONTROL UNIT  
ASU18RLF : EZ-0090DHSE



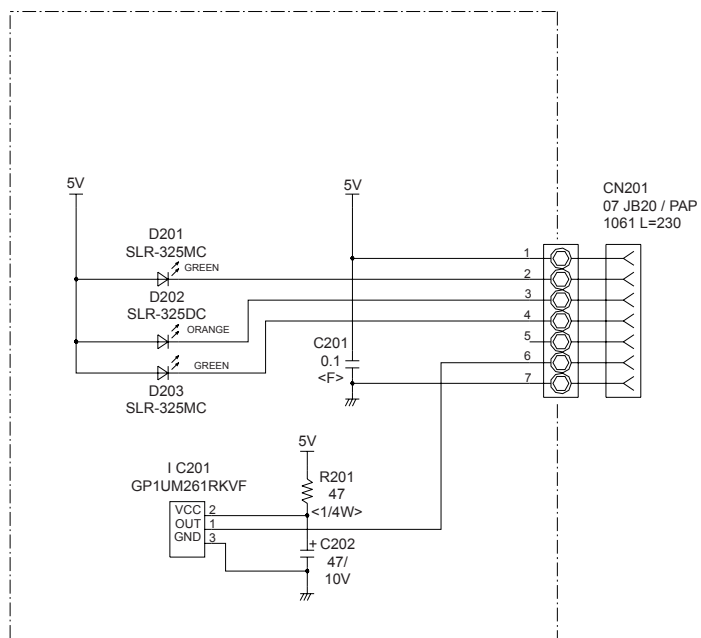


INDOOR UNIT  
WALL MOUNTED  
CONTROLLER PCB ASSEMBLY ( MAIN PCB )  
ASU18RLF : K09DR-0900HSE-C1



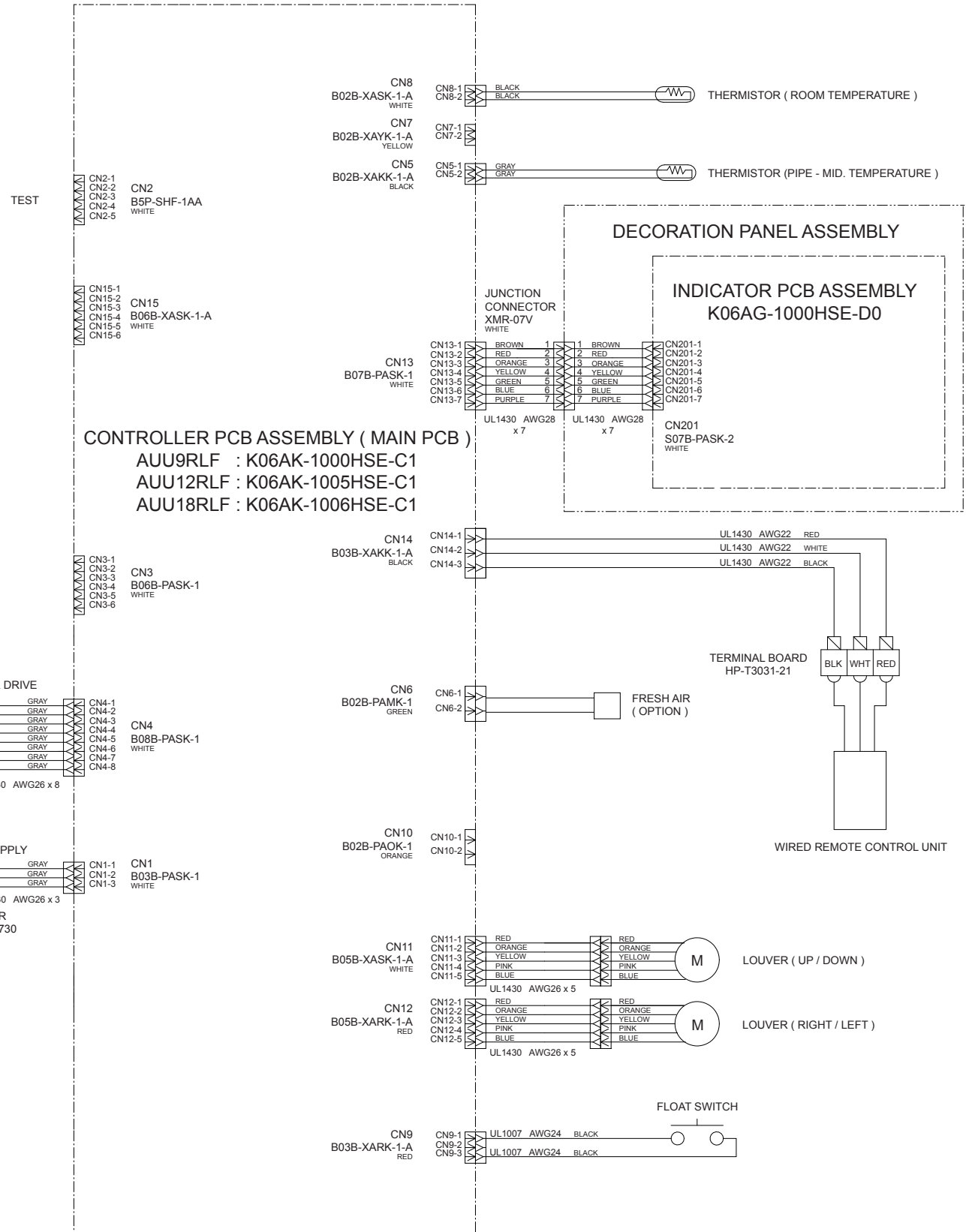
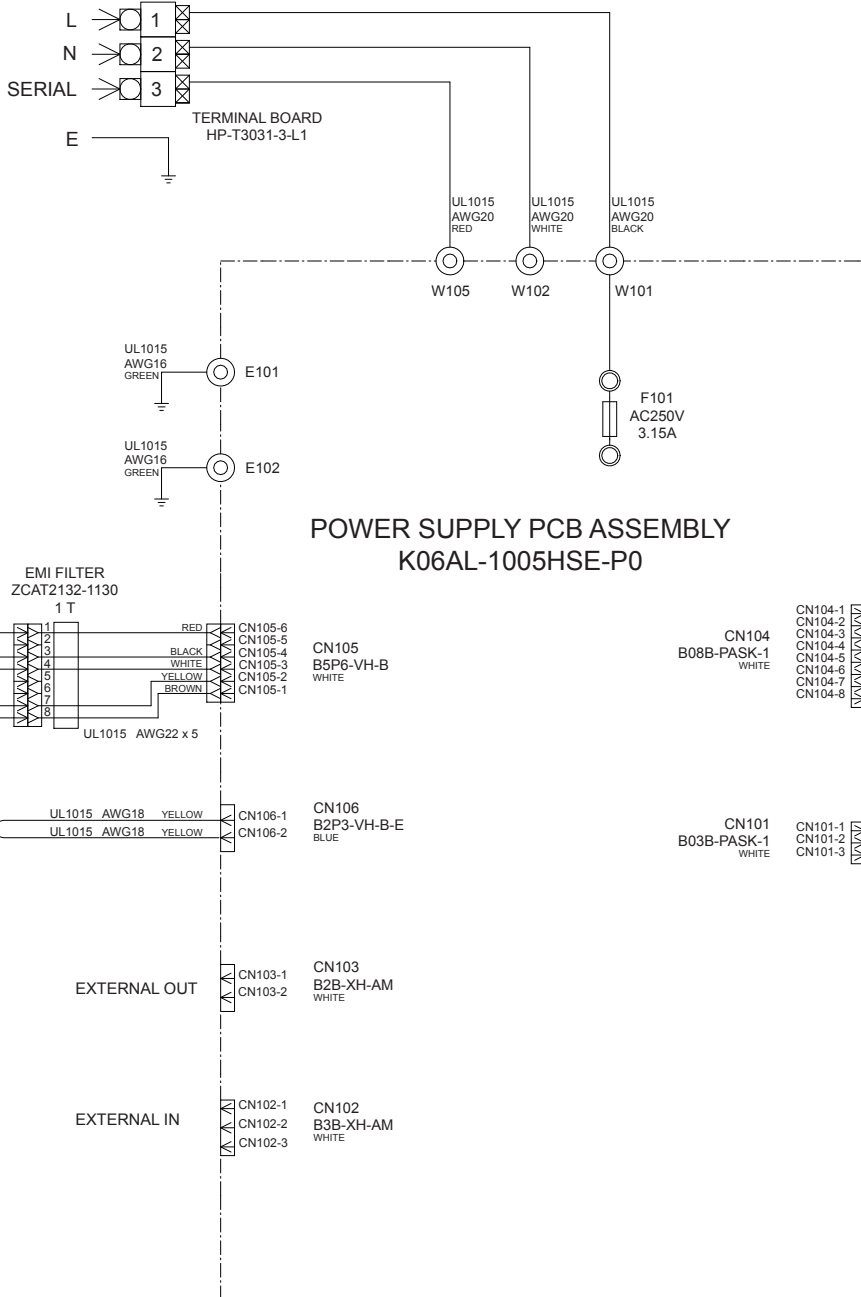


INDOOR UNIT  
 WALL MOUNTED  
 ASU18RLF  
 INDICATOR PCB ASSEMBLY  
 K05CY-0902HSE-D0

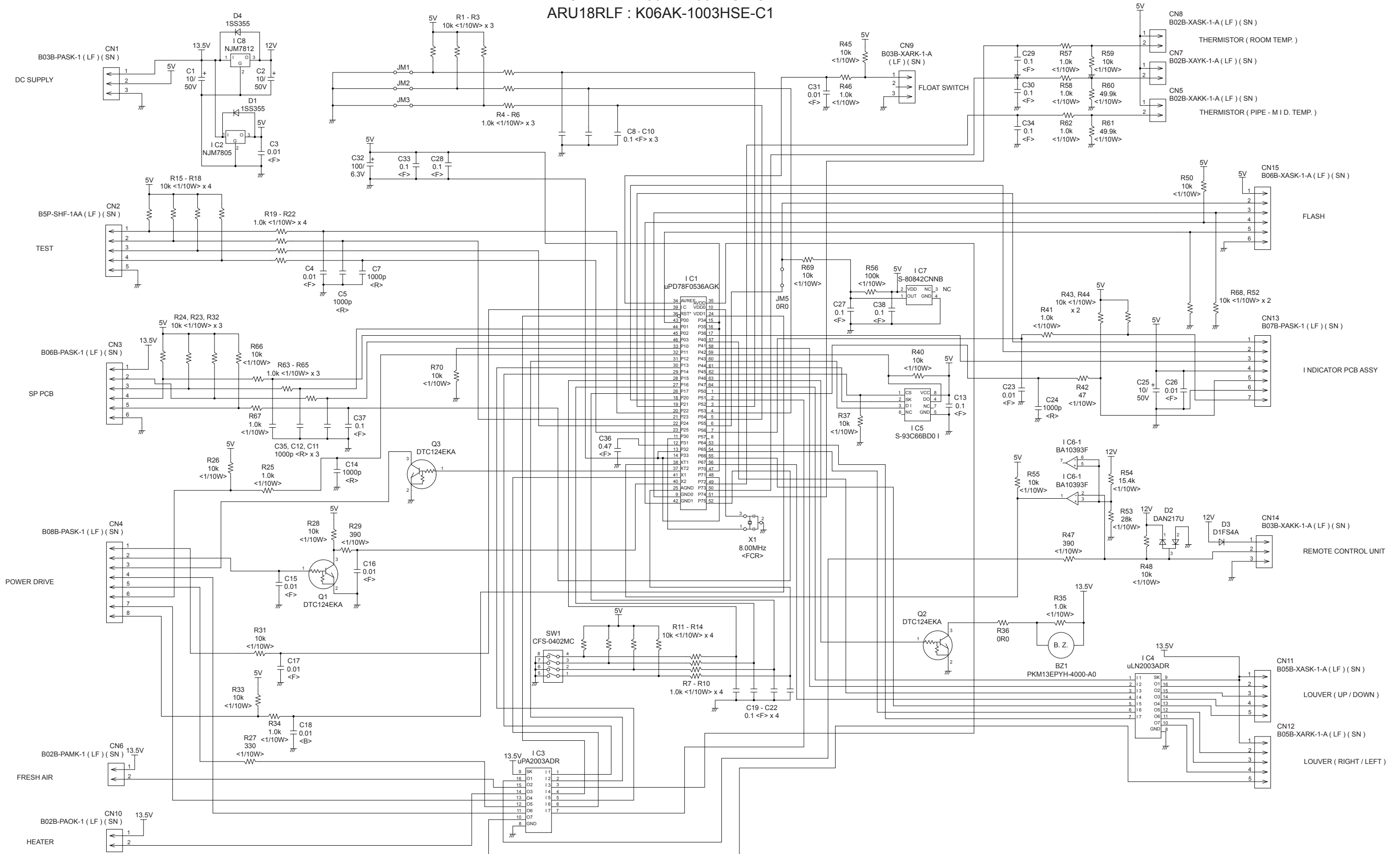


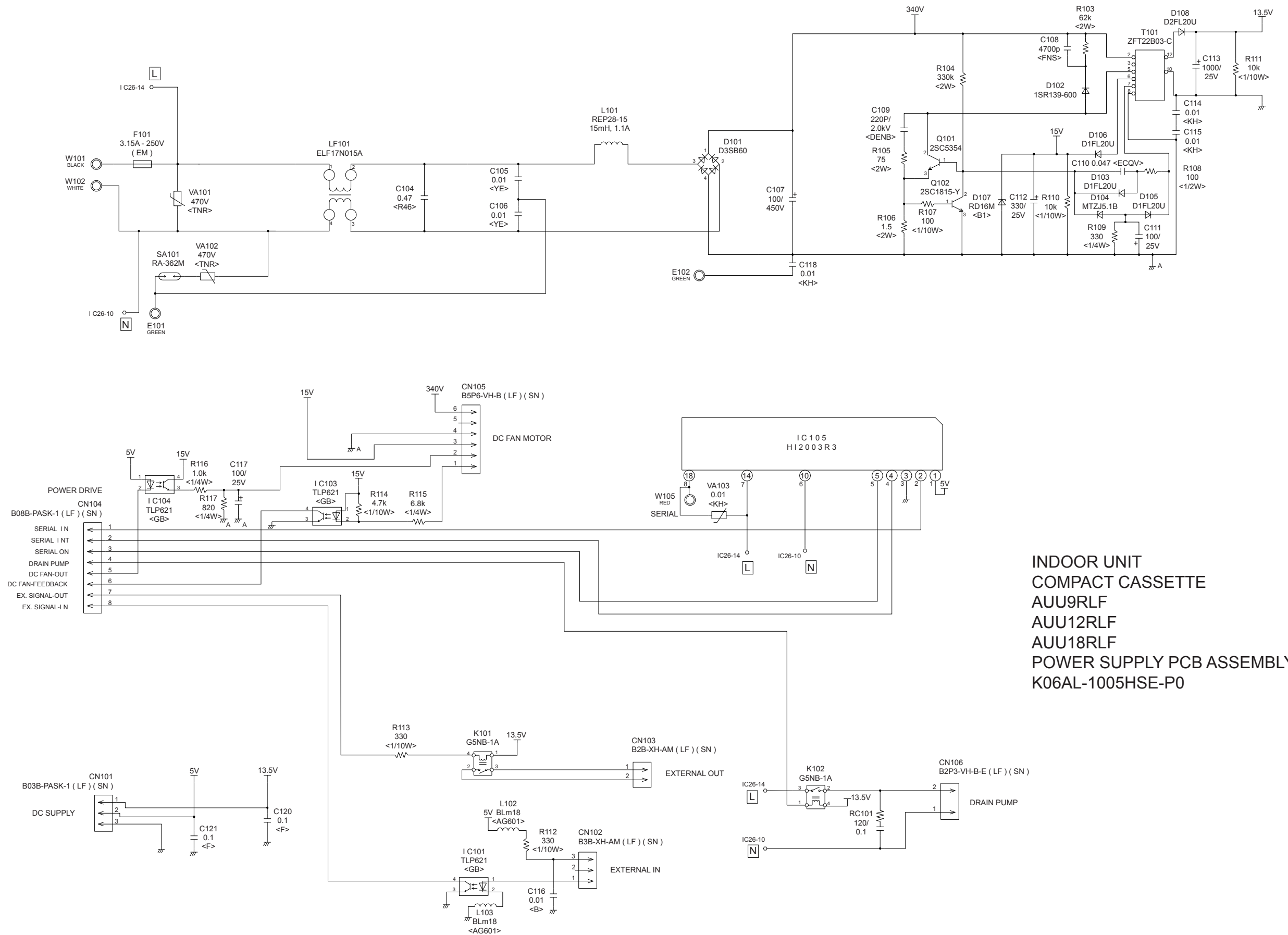
INDOOR UNIT  
 COMPACT CASSETTE  
 CONTROL UNIT  
 AUU9RLF : EZ-0100HSE  
 AUU12RLF : EZ-0105HSE  
 AUU18RLF : EZ-0106HSE

BRANCH BOX UNIT  
 POWER SOURCE  
 AC208 - 230V  
 60Hz



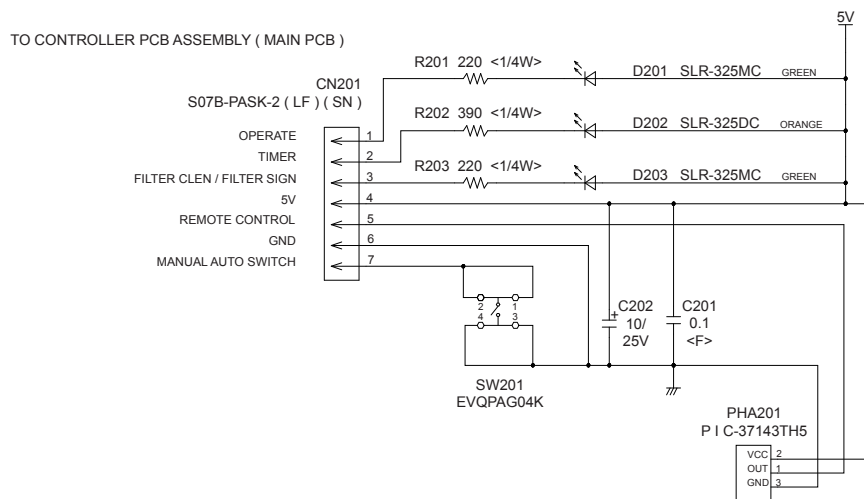
INDOOR UNIT  
 CONTROLLER PCB ASSEMBLY ( MAIN PCB )  
 AUU9RLF : K06AK-1000HSE-C1  
 AUU12RLF : K06AK-1005HSE-C1  
 AUU18RLF : K06AK-1006HSE-C1  
 ARU9RLF : K06AK-1001HSE-C1  
 ARU12RLF : K06AK-1002HSE-C1  
 ARU18RLF : K06AK-1003HSE-C1



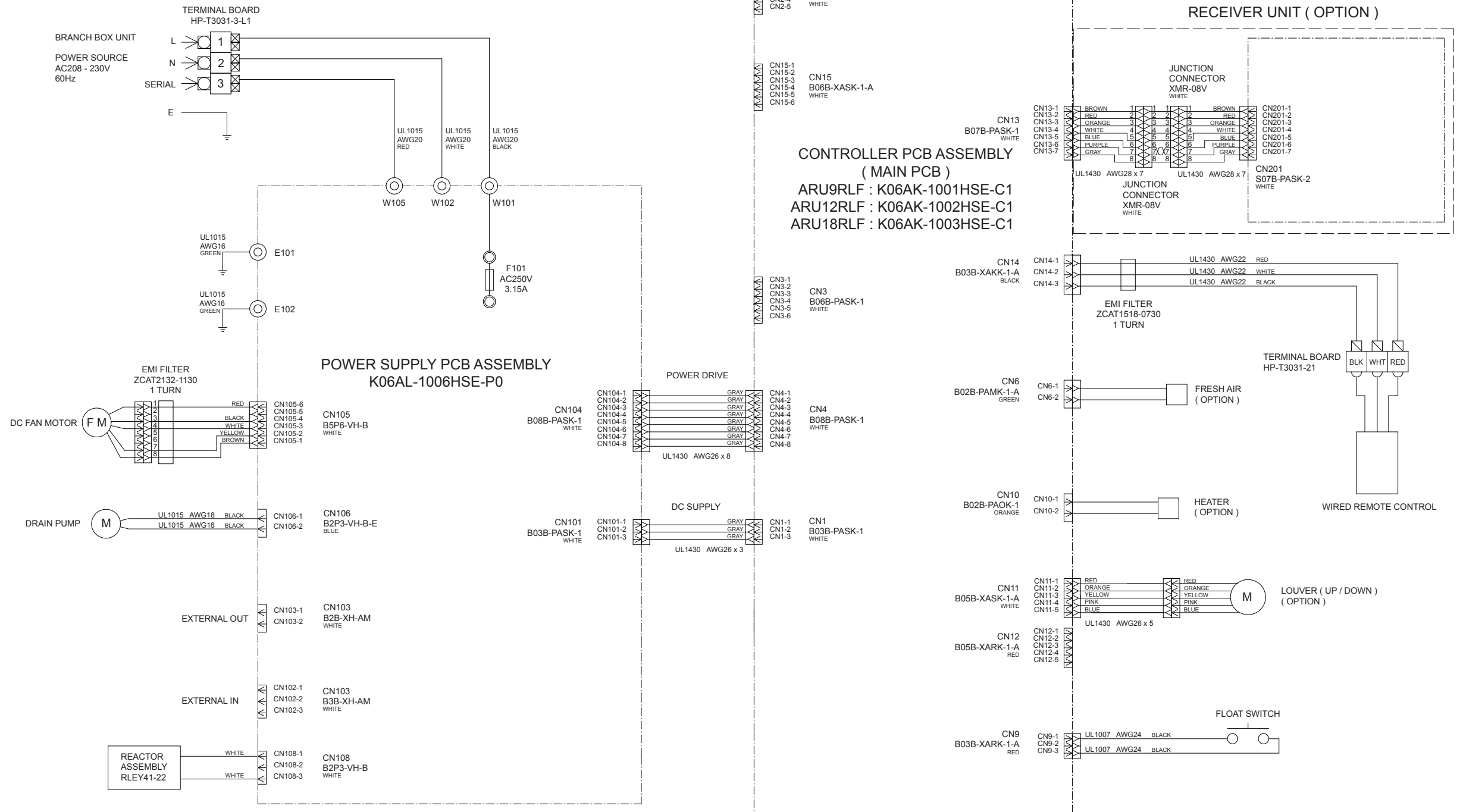


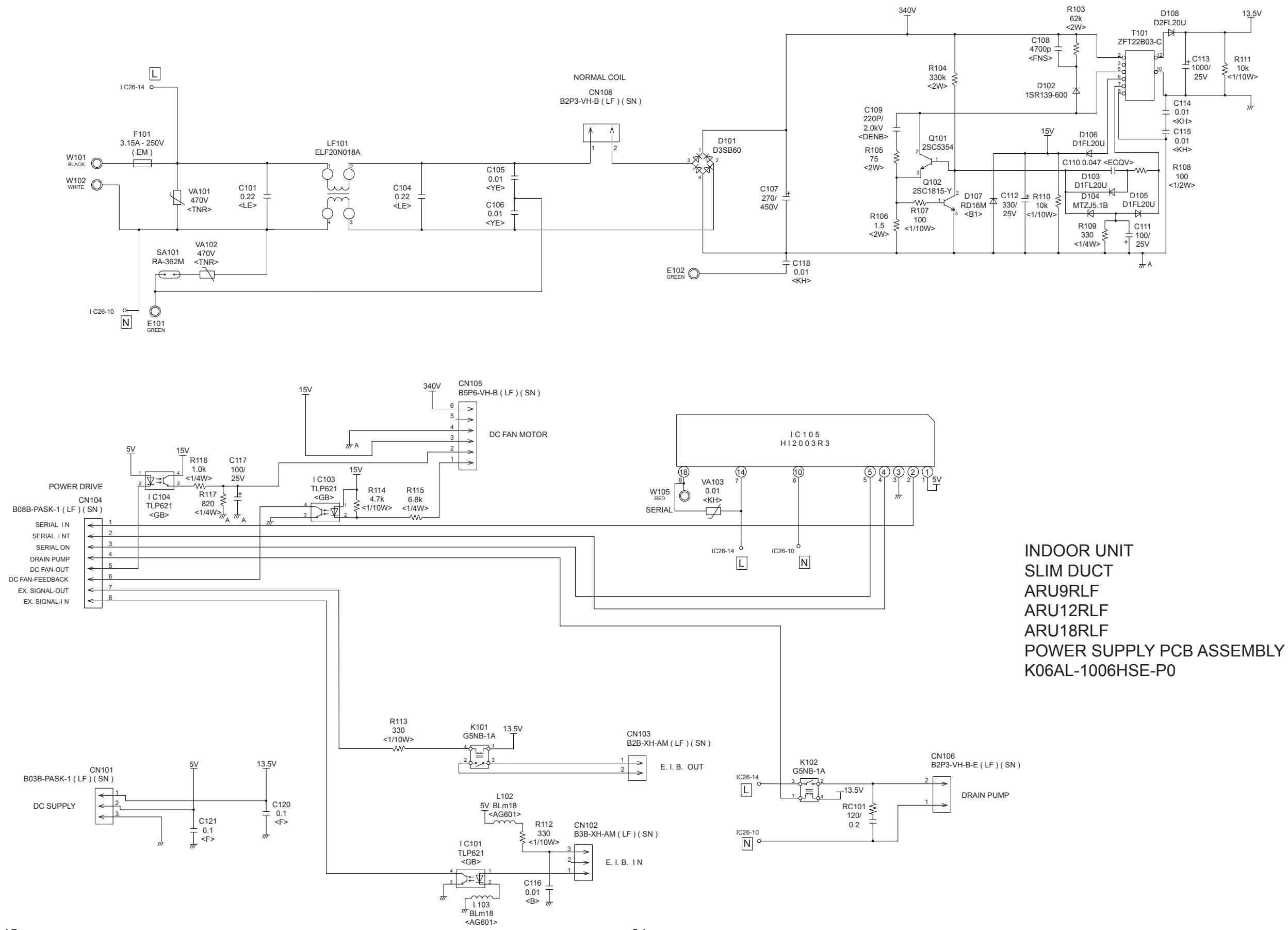
INDOOR UNIT  
 COMPACT CASSETTE  
 AUU9RLF  
 AUU12RLF  
 AUU18RLF  
 POWER SUPPLY PCB ASSEMBLY  
 K06AL-1005HSE-P0

INDOOR UNIT  
 COMPACT CASSETTE  
 AUU9RLF  
 AUU12RLF  
 AUU18RLF  
 INDICATOR PCB ASSEMBLY ( OPTION )  
 K06AG-1000HSE-D0



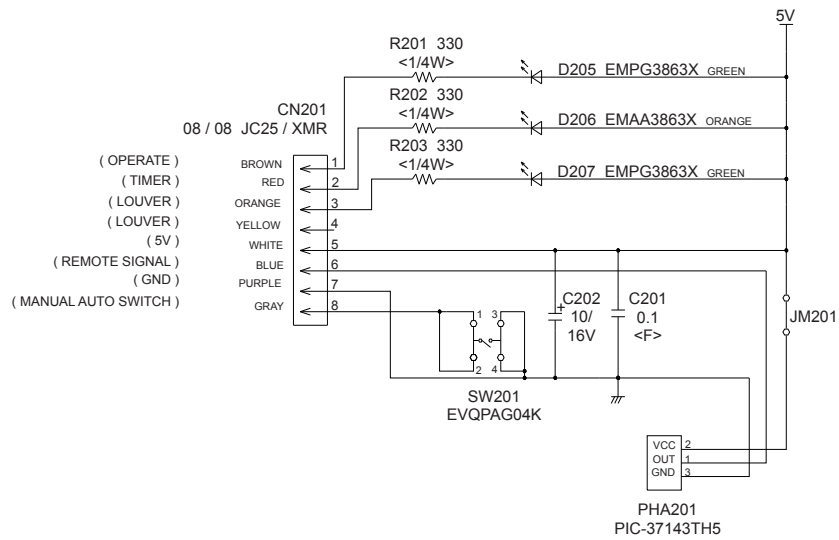
INDOOR UNIT  
 SLIM DUCT  
 CONTROL UNIT  
 ARU9RLF : EZ-0101HSE  
 ARU12RLF : EZ-0107HSE  
 ARU18RLF : EZ-0108HSE



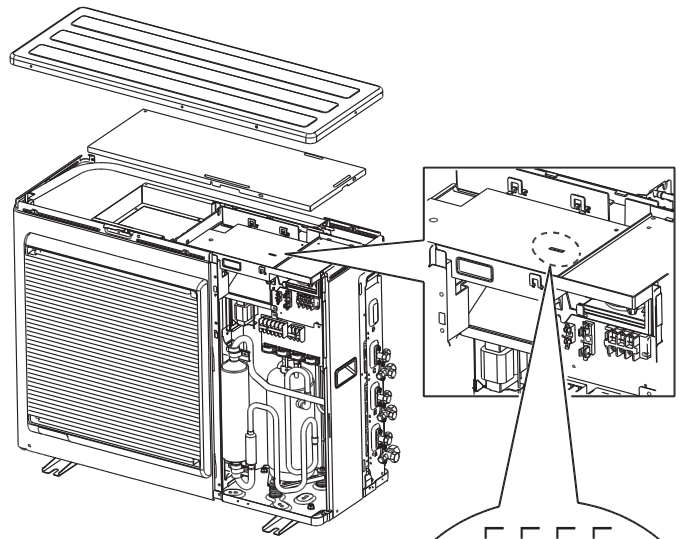


INDOOR UNIT  
 SLIM DUCT  
 ARU9RLF  
 ARU12RLF  
 ARU18RLF  
 POWER SUPPLY PCB ASSEMBLY  
 K06AL-1006HSE-P0

INDOOR UNIT  
 SLIM DUCT  
 ARU9RLF  
 ARU12RLF  
 ARU18RLF  
 INDICATOR PCB ASSEMBLY ( OPTION )  
 K04EI-1000HSE-D0







## ERROR DETECTION

### OUTDOOR UNIT

|  | LED 1      | LED 2     | LED 3     |
|--|------------|-----------|-----------|
| Serial communication error (OU to IU A)            | ● 1 time   | —         | —         |
| Serial communication error (OU to IU B)            | —          | ● 1 time  | —         |
| Serial communication error (OU to IU C)            | —          | —         | ● 1 time  |
| Discharge temp. sensor error                       | ● 2 times  | —         | —         |
| Outdoor unit heat ex. middle temp. sensor error    | ● 3 times  | —         | —         |
| Outdoor temp. sensor error                         | ● 4 times  | —         | —         |
| 2-way valve temp. sensor error (for IU A)          | ● 5 times  | —         | —         |
| 2-way valve temp. sensor error (for IU B)          | —          | ● 5 times | —         |
| 2-way valve temp. sensor error (for IU C)          | —          | —         | ● 5 times |
| 3-way valve temp. sensor error (for IU A)          | ● 6 times  | —         | —         |
| 3-way valve temp. sensor error (for IU B)          | —          | ● 6 times | —         |
| 3-way valve temp. sensor error (for IU C)          | —          | —         | ● 6 times |
| Compressor temp. sensor error                      | ● 7 times  | —         | —         |
| Heat sink temp. sensor error                       | ● 8 times  | —         | —         |
| High pressure switch 1 error                       | ● 9 times  | —         | —         |
| High pressure switch 2 error                       | ● 10 times | —         | —         |
| Indoor unit capacity error                         | ● 11 times | —         | —         |
| Trip detection                                     | ● 12 times | —         | —         |
| Compressor rotor position detection error          | ● 13 times | —         | —         |
| Trip terminal L error                              | ● 14 times | —         | —         |
| Outdoor unit fan motor error                       | ● 15 times | —         | —         |
| Outdoor unit PCB microcomputer communication error | ● 17 times | —         | —         |
| Discharge temperature error                        | ● 18 times | —         | —         |
| Compressor temperature error                       | ● 19 times | —         | —         |
| 4-way valve error                                  | ● 20 times | —         | —         |
| Outdoor unit PCB model information error           | ● 21 times | —         | —         |
| Active filter error, PFC circuit error             | ● 22 times | —         | —         |

● : Flashing  
 — : Off

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

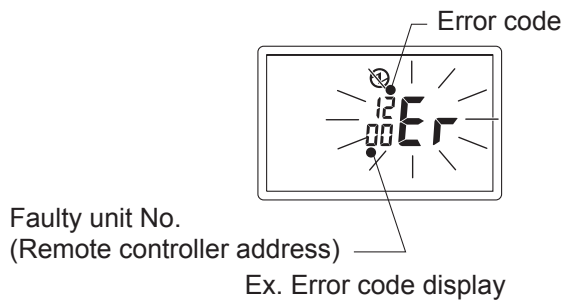
## INDOOR UNIT and WIRED REMOTE CONTROL

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.

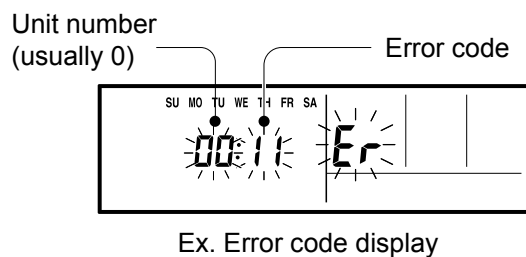
### SIMPLE REMOTE CONTROL

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 CONTROL

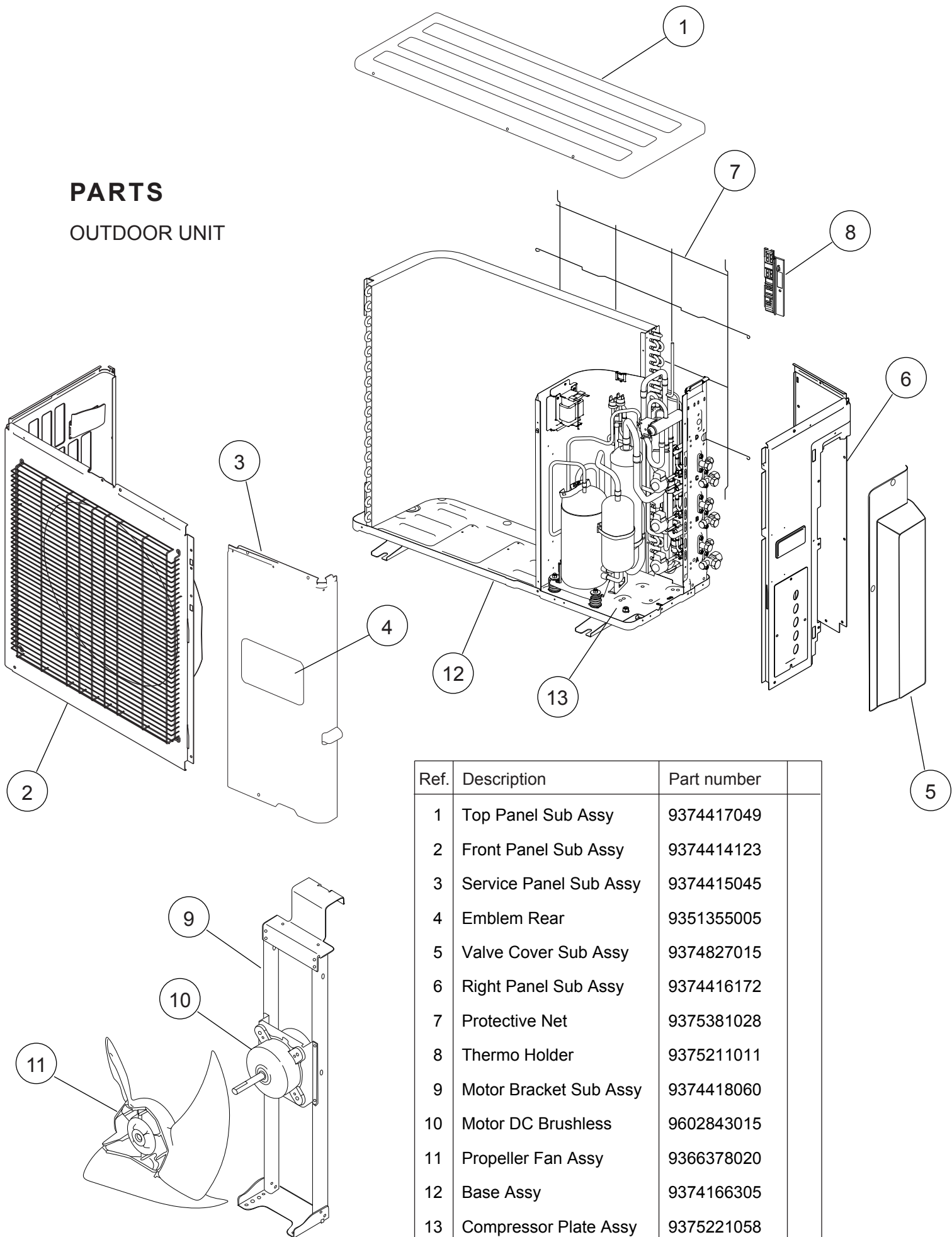
If an error occurs, the following display will be shown. ("Er" will appear in the set room temperature display.) If "Er" is displayed, immediately contact authorized service personnel.



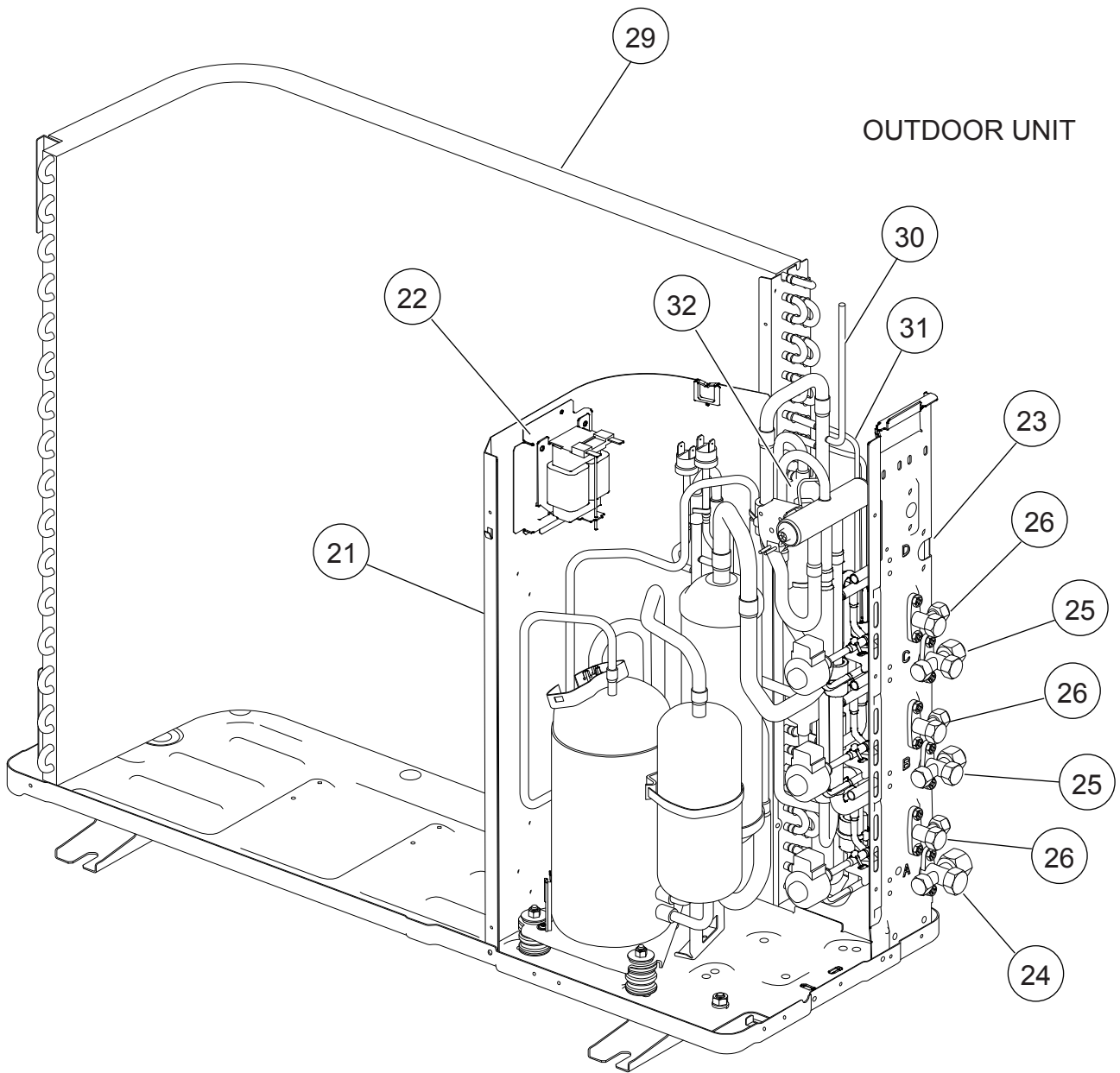
| Indoor unit            |                     |                      | Wired remote control | Description   |
|------------------------|---------------------|----------------------|----------------------|---|
| OPERATION lamp (green) | TIMER lamp (orange) | ECONOMY lamp (green) |                      |   |
| ●(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]<br>• 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<br>• 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<br>• 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<br>• Suction pressure sensor error<br>• 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]   |

# PARTS

## OUTDOOR UNIT



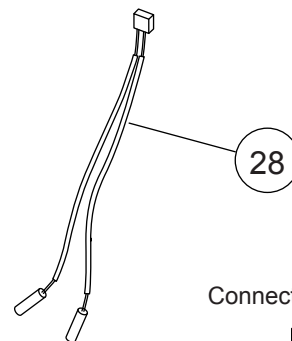
| Ref. | Description            | Part number  |
|------|------------------------|--------------|
| 1    | Top Panel Sub Assy     | 9374417049   |
| 2    | Front Panel Sub Assy   | 9374414123   |
| 3    | Service Panel Sub Assy | 9374415045   |
| 4    | Emblem Rear            | 9351355005   |
| 5    | Valve Cover Sub Assy   | 9374827015   |
| 6    | Right Panel Sub Assy   | 9374416172   |
| 7    | Protective Net         | 9375381028   |
| 8    | Thermo Holder          | 9375211011   |
| 9    | Motor Bracket Sub Assy | 9374418060   |
| 10   | Motor DC Brushless     | 9602843015   |
| 11   | Propeller Fan Assy     | 9366378020   |
| 12   | Base Assy              | 9374166305   |
| 13   | Compressor Plate Assy  | 9375221058   |
| --   | Drain Assy             | 9303029015   |
| --   | Drain Cap              | 313166024302 |



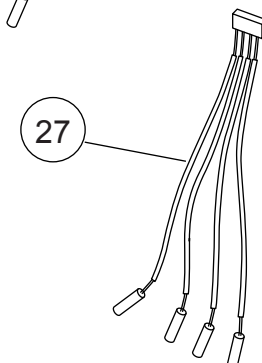
OUTDOOR UNIT

| Ref. | Description               | Part number |
|------|---------------------------|-------------|
| 21   | Separate Wall Sub Assy    | 9374413164  |
| 22   | Choke Coil                | 9900366018  |
| 23   | Valve Plate Assy          | 9374628094  |
| 24   | 3-way Valve Assy (1/2")   | 9375104016  |
| 25   | 3-way Valve Assy (3/8")   | 9375103019  |
| 26   | 2-way Valve Assy          | 9375102012  |
| 27   | Pipe Thermistor (White)   | 9900543020  |
| 28   | Pipe Thermistor (Red)     | 9900632007  |
| 29   | Condenser A Assy          | 9374433179  |
| 30   | Inlet Pipe (Cond) A Assy  | 9373461104  |
| 31   | Outlet Pipe (Cond) A Assy | 9374266111  |
| 32   | Receiver Tank Assy        | 9374575039  |
| --   | Strainer Assy             | 9372524015  |

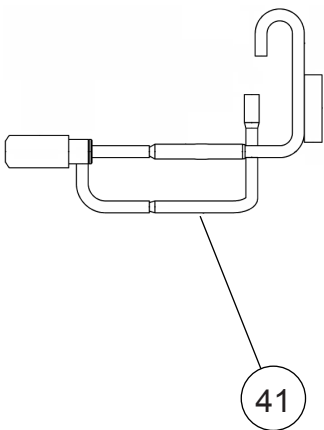
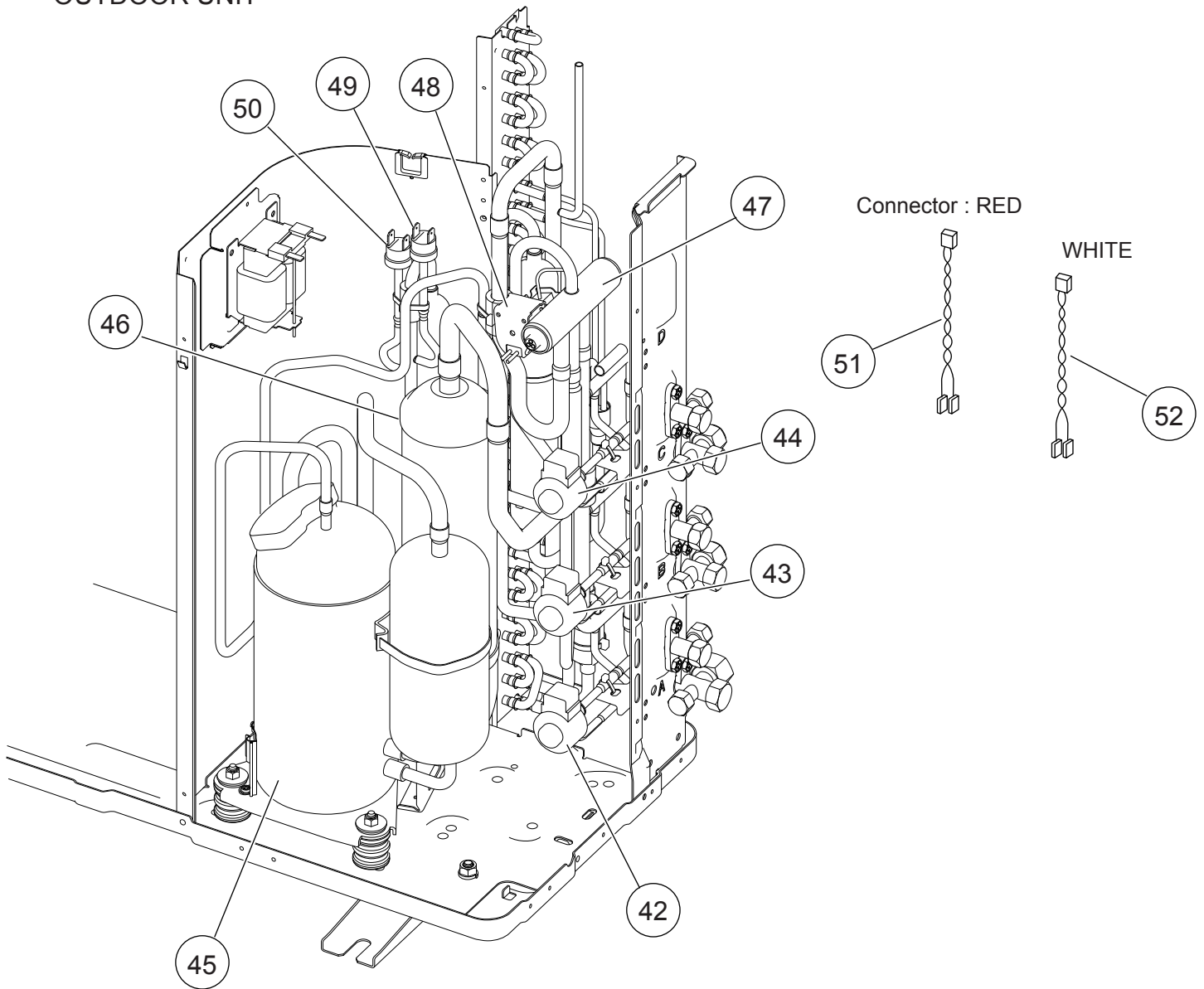
Connector : RED



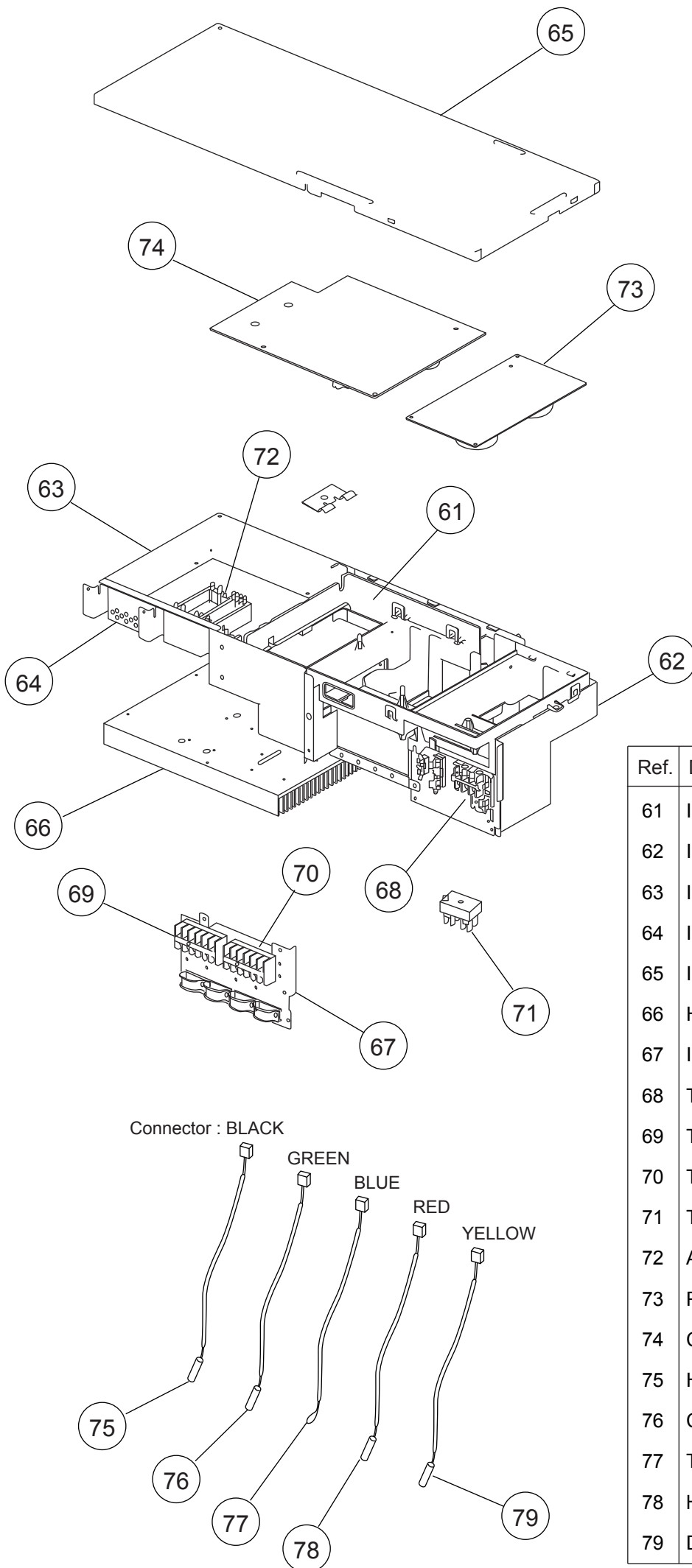
Connector : WHITE



# OUTDOOR UNIT



| Ref. | Description                    | Part number |
|------|--------------------------------|-------------|
| 41   | Expansion Valve Assy           | 9370947151  |
| 42   | Expansion Valve Coil (A=Red)   | 9970101069  |
| 43   | Expansion Valve Coil (B=White) | 9970101038  |
| 44   | Expansion Valve Coil (C=Green) | 9970101045  |
| 45   | Compressor Sub Assy            | 9374423187  |
| 46   | Accumulator Assy               | 9375250027  |
| 47   | 4-way Valve Assy               | 9374425136  |
| 48   | Solenoid                       | 9900165079  |
| 49   | Pressure Switch A              | 9900186012  |
| 50   | Pressure Switch B              | 9900341015  |
| 51   | Wire (Pressure Sw) (Red)       | 9377823014  |
| 52   | Wire (Pressure Sw) (White)     | 9377823021  |



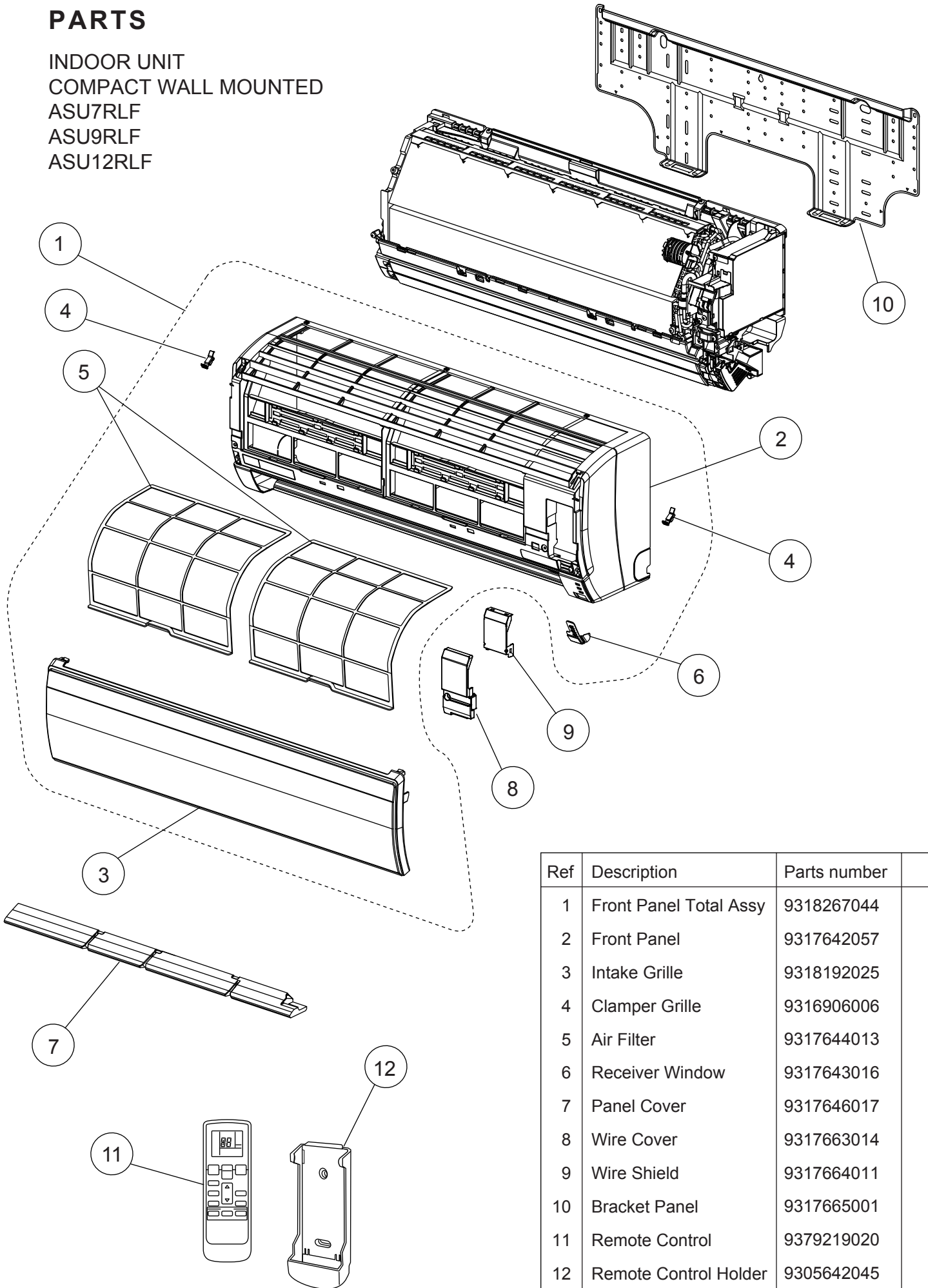
## OUTDOOR UNIT

| Ref. | Description               | Part number |
|------|---------------------------|-------------|
| 61   | Inverter Box A            | 9374603015  |
| 62   | Inverter Box B Assy       | 9374625048  |
| 63   | Inverter Box C            | 9375140014  |
| 64   | Inverter Box Duct         | 9374609017  |
| 65   | Inverter Box Cover        | 9375139018  |
| 66   | Heat Sink A               | 9375138011  |
| 67   | Inverter Box D            | 9374606047  |
| 68   | Terminal (3P)             | 9900203016  |
| 69   | Terminal (6P)             | 9900016036  |
| 70   | Terminal (3P)             | 9306489045  |
| 71   | Terminal (3P)             | 9900433017  |
| 72   | ACTPM                     | 9703457012  |
| 73   | Power Supply PCB Assy     | 9705647183  |
| 74   | Controller PCB Assy       | 9708013367  |
| 75   | Heat Sink Thermistor      | 9900311018  |
| 76   | Compressor Thermistor     | 9900156053  |
| 77   | Thermistor (Outdoor)      | 9900477011  |
| 78   | Heat Exchanger Thermistor | 9900540005  |
| 79   | Discharge Thermistor      | 9900621018  |



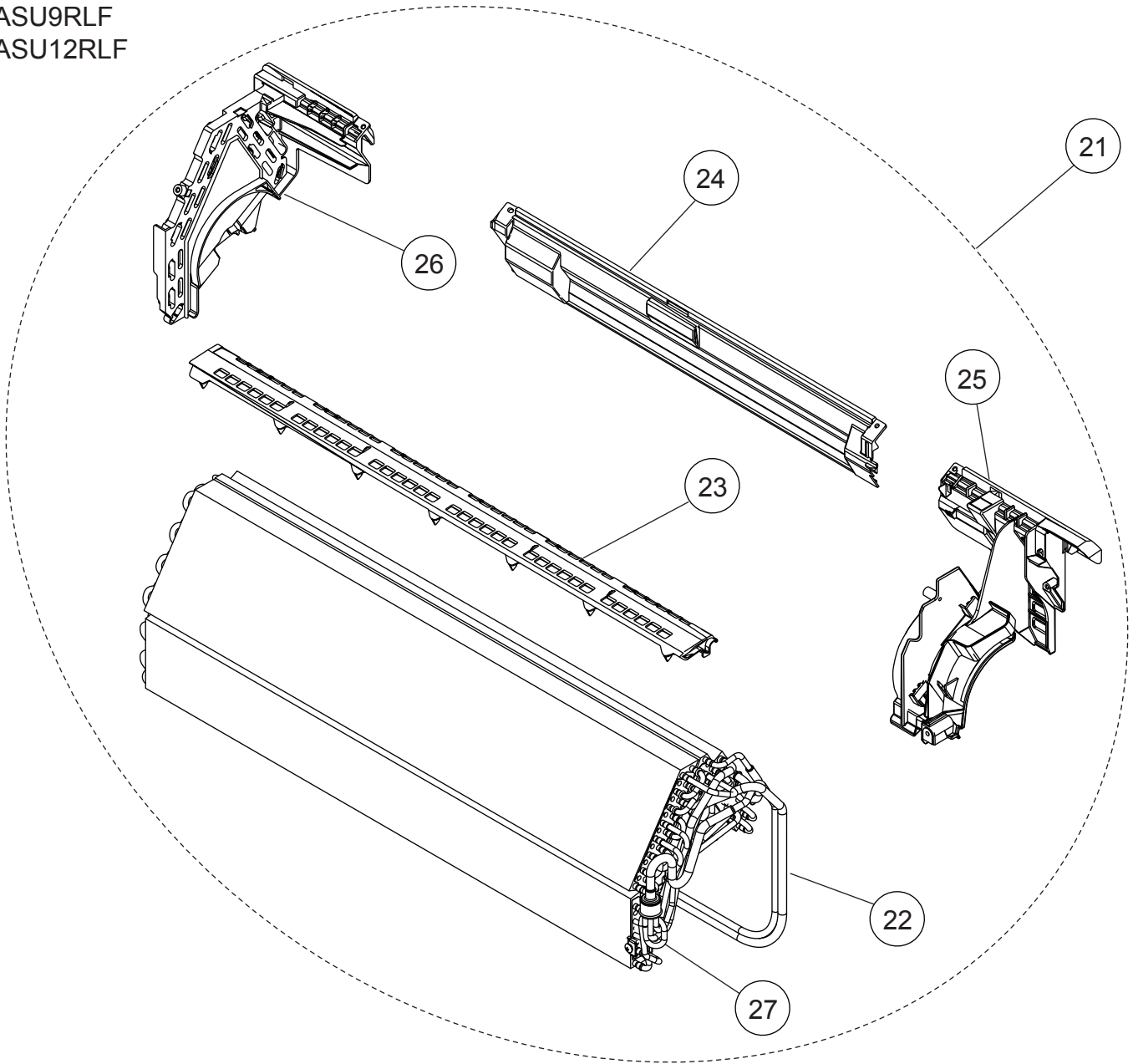
# PARTS

INDOOR UNIT  
 COMPACT WALL MOUNTED  
 ASU7RLF  
 ASU9RLF  
 ASU12RLF

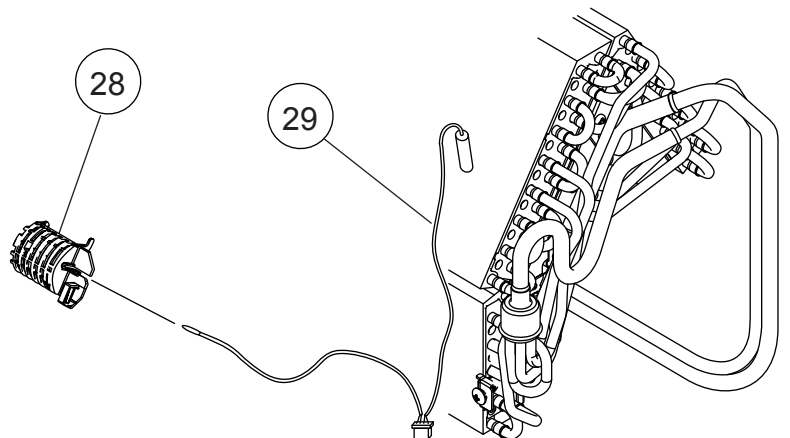


| Ref | Description            | Parts number |
|-----|------------------------|--------------|
| 1   | Front Panel Total Assy | 9318267044   |
| 2   | Front Panel            | 9317642057   |
| 3   | Intake Grille          | 9318192025   |
| 4   | Clamber Grille         | 9316906006   |
| 5   | Air Filter             | 9317644013   |
| 6   | Receiver Window        | 9317643016   |
| 7   | Panel Cover            | 9317646017   |
| 8   | Wire Cover             | 9317663014   |
| 9   | Wire Shield            | 9317664011   |
| 10  | Bracket Panel          | 9317665001   |
| 11  | Remote Control         | 9379219020   |
| 12  | Remote Control Holder  | 9305642045   |
| --  | Air Clean Filter Assy  | 9317250009   |

INDOOR UNIT  
 COMPACT WALL MOUNTED  
 ASU7RLF  
 ASU9RLF  
 ASU12RLF

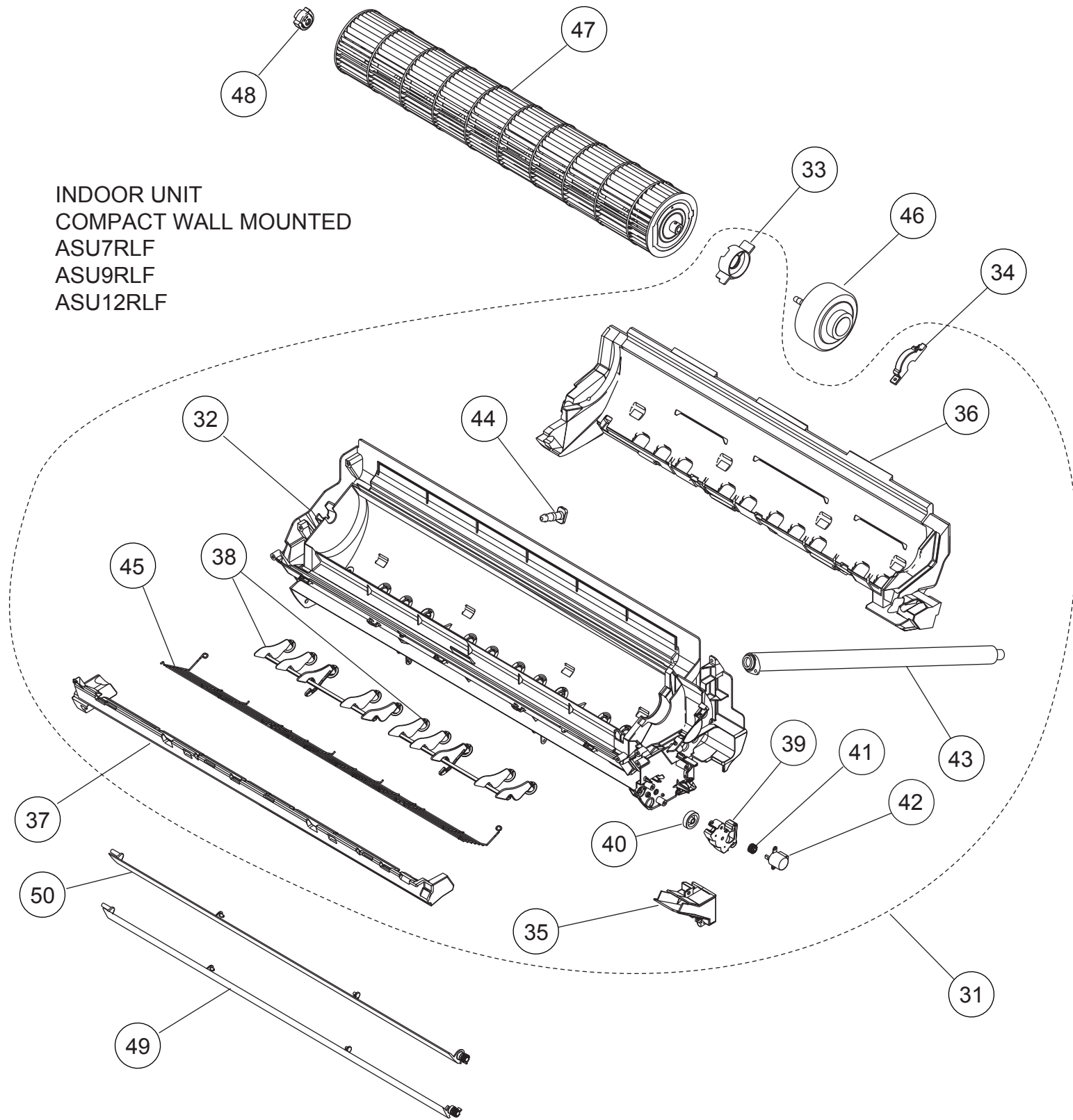


| Ref | Description              | Parts number |
|-----|--------------------------|--------------|
| 21  | Evaporator Total Assy    | 9317820011   |
| 22  | Joint Pipe Assy          | 9317838009   |
| 23  | Filter Guide             | 9317652001   |
| 24  | Rear Bracket             | 9317651004   |
| 25  | Evaporator Holder R      | 9317650007   |
| 26  | Evaporator Holder L      | 9317649001   |
| 27  | Distributor Assy         | 9318579000   |
| 28  | Holder (Room Thermistor) | 9316895003   |
| 29  | Thermistor Assy          | 9900563004   |



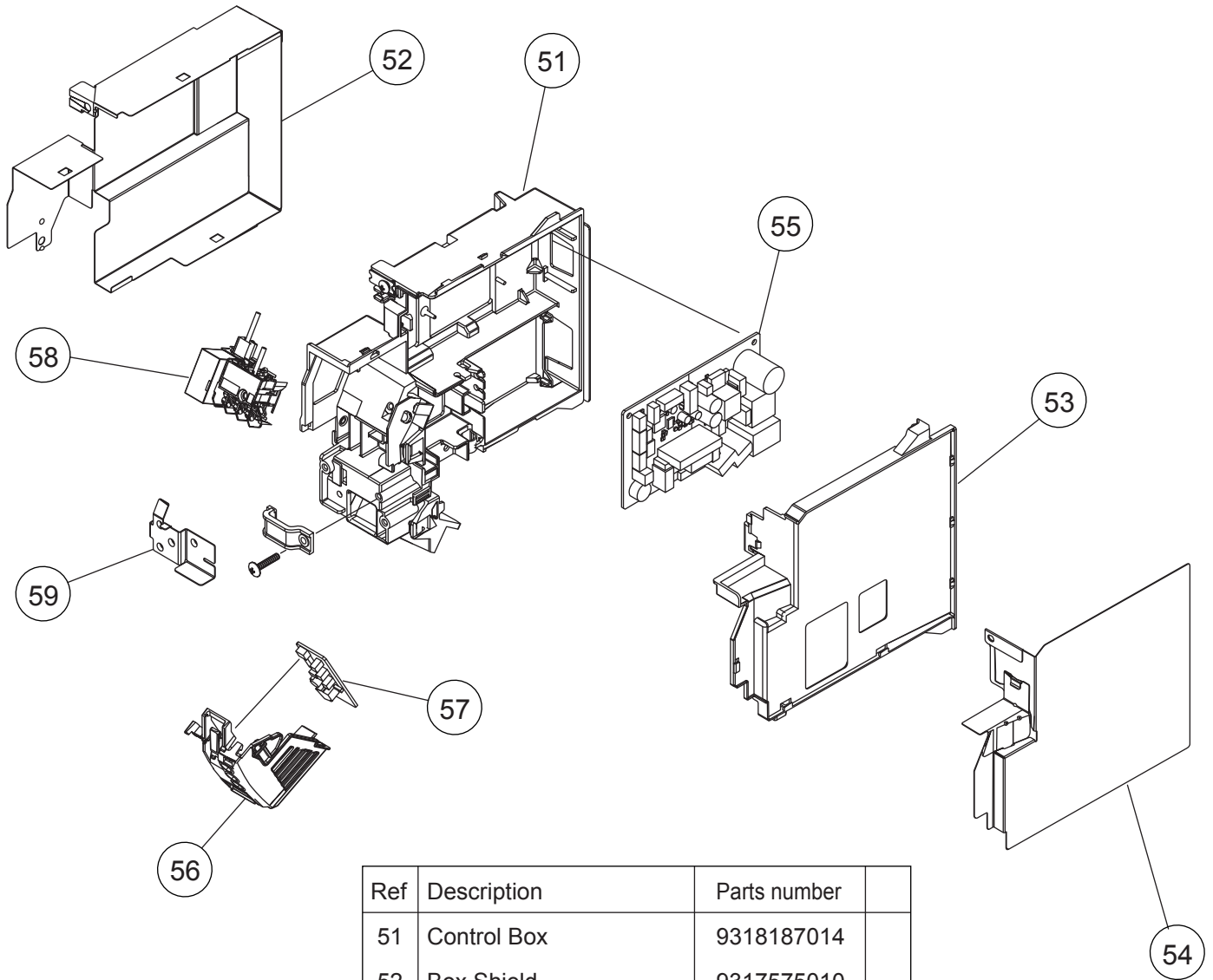


INDOOR UNIT  
 COMPACT WALL MOUNTED  
 ASU7RLF  
 ASU9RLF  
 ASU12RLF



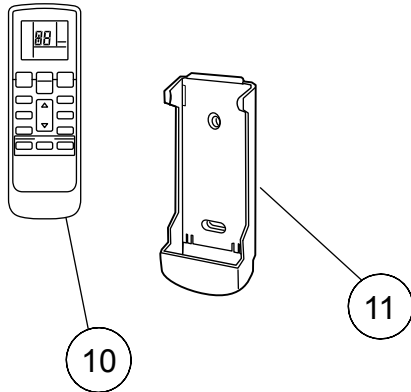
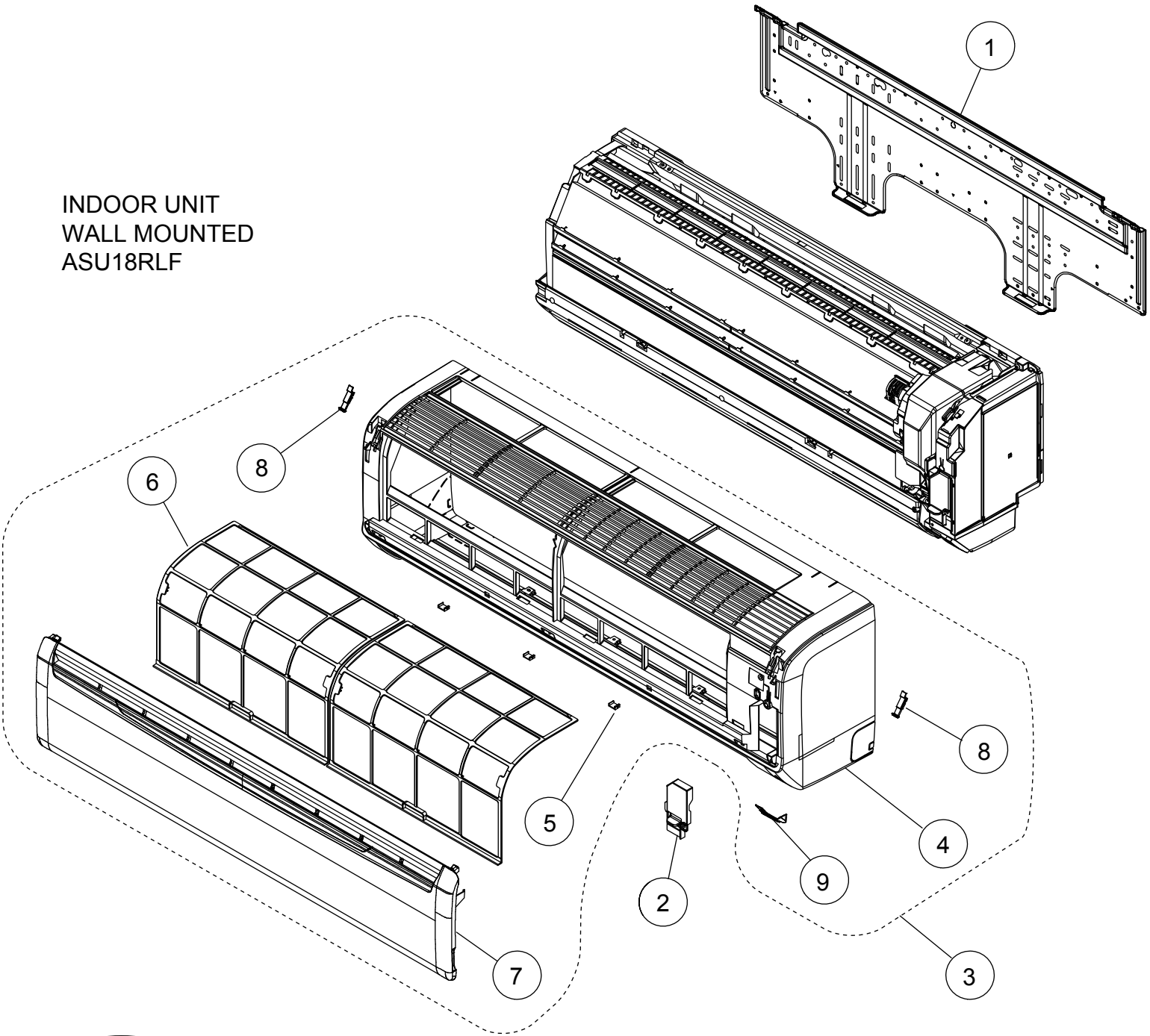
| Ref | Description        | Parts number | Ref | Description        | Parts number |
|-----|--------------------|--------------|-----|--------------------|--------------|
| 31  | Casing Assy        | 9318264043   | 41  | Gear A             | 9309994003   |
| 32  | Casing             | 9317647014   | 42  | Motor Step         | 9900384128   |
| 33  | Motor Cover        | 9316568006   | 43  | Drain Hose Assy    | 9316904002   |
| 34  | Motor Cover        | 9316601000   | 44  | Drain Cap          | 9316177017   |
| 35  | Cable Guide        | 9317680011   | 45  | Fan Guard          | 9332277005   |
| 36  | Casing Cover B     | 9317653015   | 46  | Fan Motor          | 9602704019   |
| 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  
 ASU7RLF  
 ASU9RLF  
 ASU12RLF



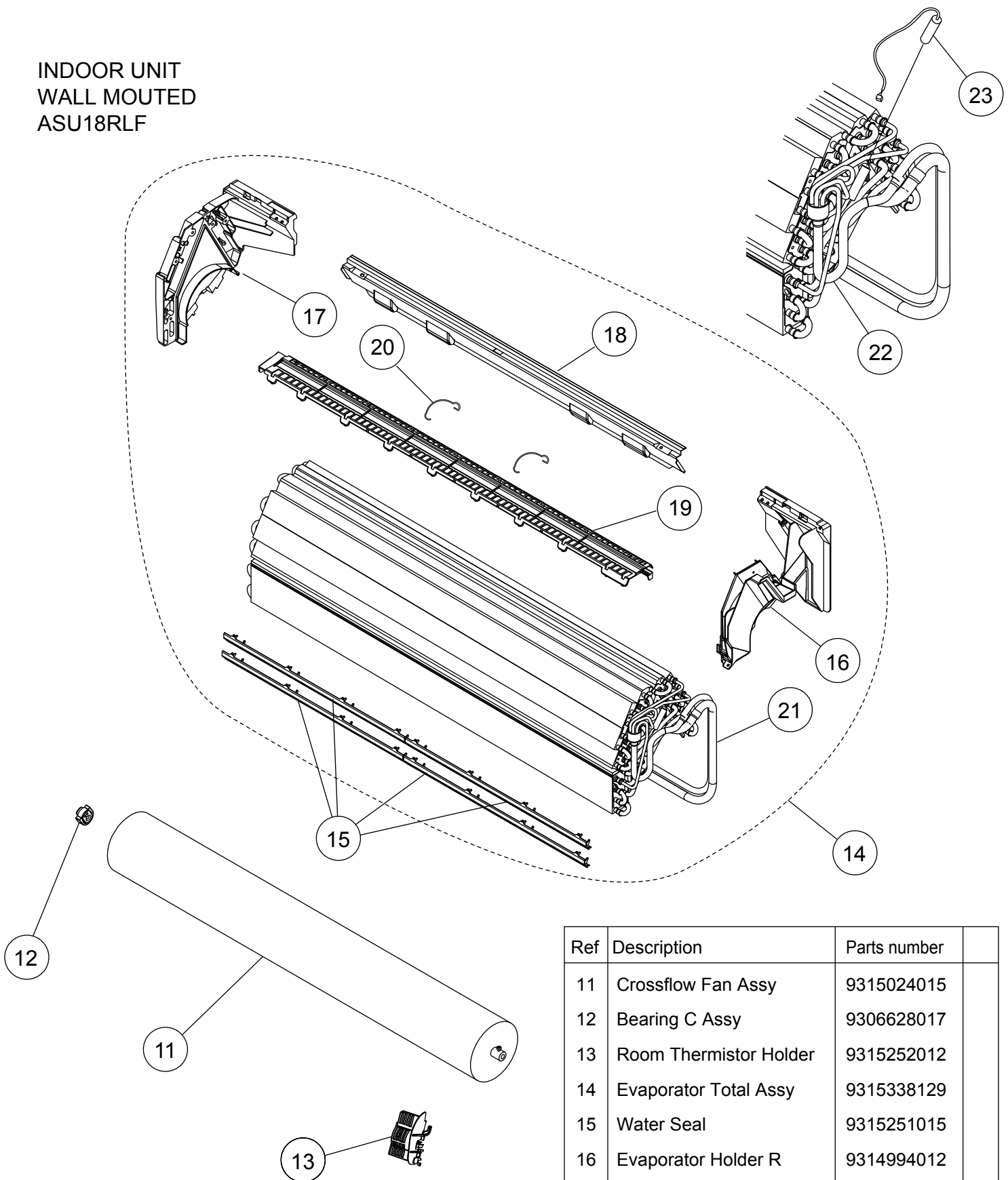
| Ref | Description              | Parts number |
|-----|--------------------------|--------------|
| 51  | Control Box              | 9318187014   |
| 52  | Box Shield               | 9317575010   |
| 53  | Control Cover            | 9317659024   |
| 54  | Cover Shield             | 9317923002   |
| 55  | Controller PCB Assy (7)  | 9708536019   |
| 55  | Controller PCB Assy (9)  | 9708536026   |
| 55  | Controller PCB Assy (12) | 9708536033   |
| 56  | Display Case             | 9317662000   |
| 57  | Display PCB Assy         | 9707649024   |
| 58  | Terminal                 | 9900529017   |
| 59  | Earth Terminal           | 9316586017   |

INDOOR UNIT  
WALL MOUNTED  
ASU18RLF



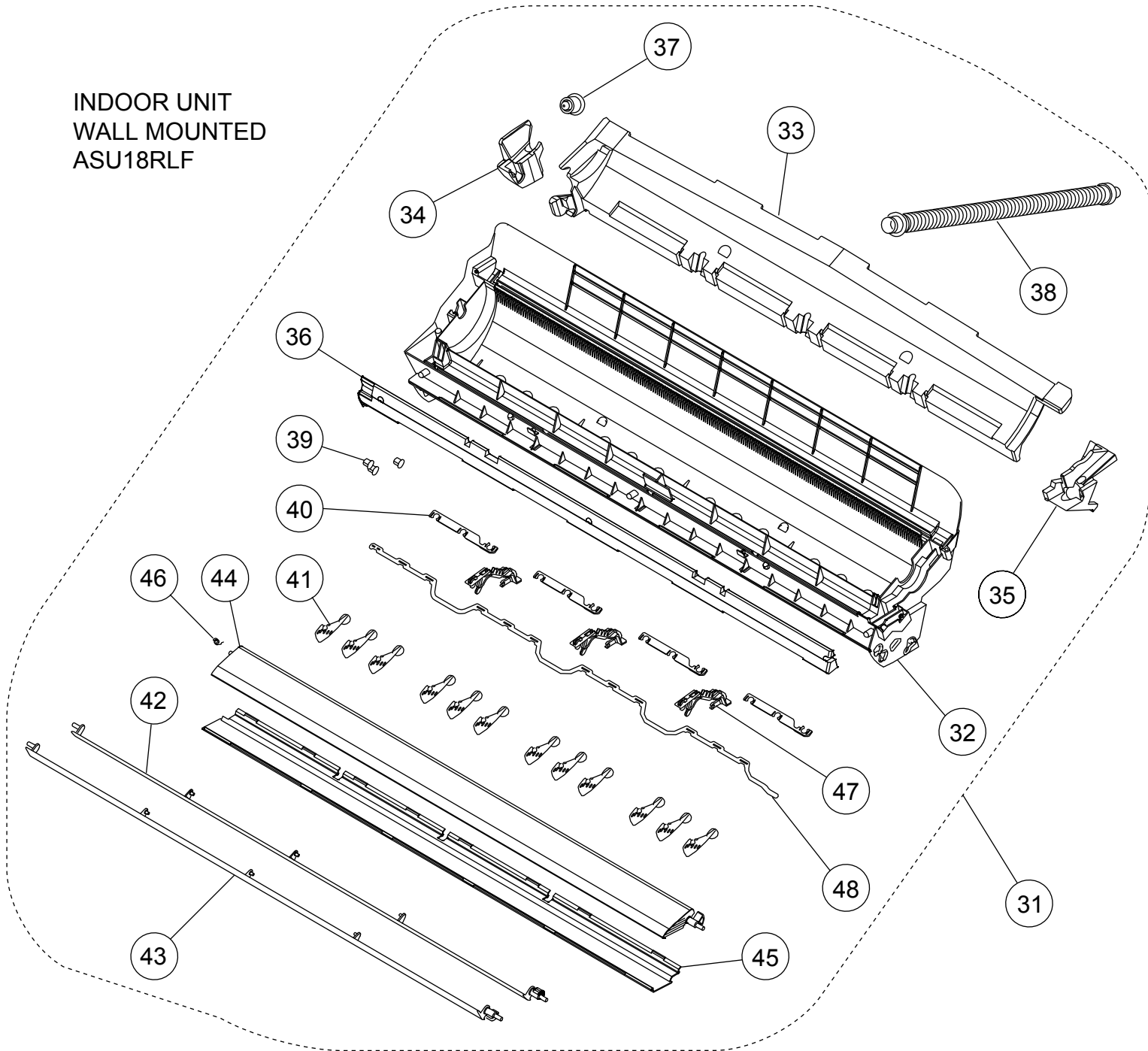
| Ref | Description            | Parts number |
|-----|------------------------|--------------|
| 1   | Bracket Panel          | 9315023018   |
| 2   | Wire Clammer           | 9315015013   |
| 3   | Front Panel Total Assy | 9315335272   |
| 4   | Front Panel            | 9314991080   |
| 5   | Cap (Screw)            | 9309002050   |
| 6   | Air Filter             | 9315014016   |
| 7   | Intake Grille Assy     | 9315336163   |
| 8   | Clammer Grille         | 9306755010   |
| 9   | Receiver Window        | 9315010018   |
| 10  | Remote Control         | 9379219013   |
| 11  | Remote Control Holder  | 9305642045   |
| --  | Air Clean Filter Assy  | 9315212016   |

INDOOR UNIT  
WALL MOUNTED  
ASU18RLF



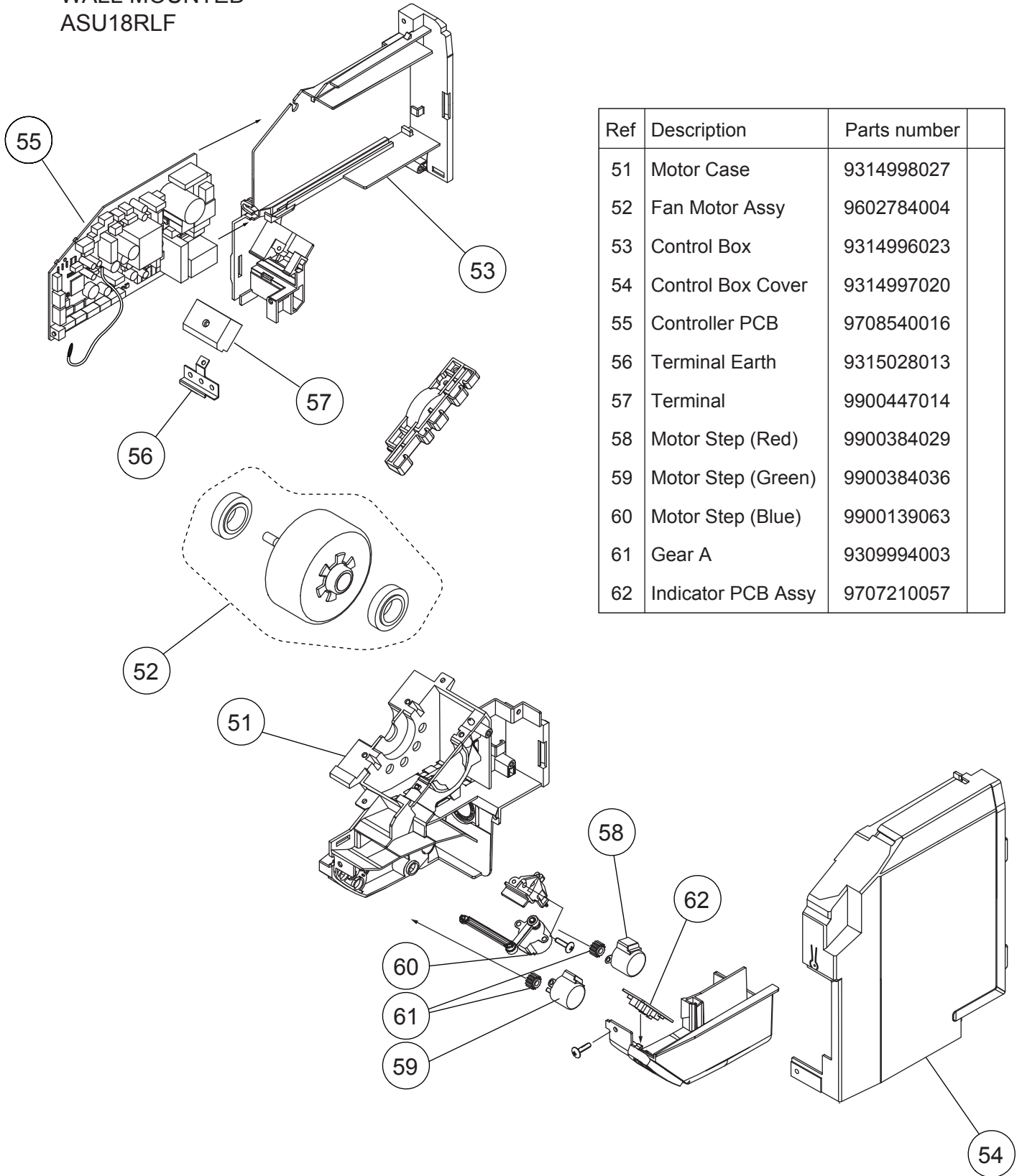
| Ref | Description            | Parts number |
|-----|------------------------|--------------|
| 11  | Crossflow Fan Assy     | 9315024015   |
| 12  | Bearing C Assy         | 9306628017   |
| 13  | Room Thermistor Holder | 9315252012   |
| 14  | Evaporator Total Assy  | 9315338129   |
| 15  | Water Seal             | 9315251015   |
| 16  | Evaporator Holder R    | 9314994012   |
| 17  | Evaporator Holder L    | 9314995019   |
| 18  | Rear Bracket           | 9315022011   |
| 19  | Filter Guide           | 9315013019   |
| 20  | Filter Guard           | 9315411013   |
| 21  | Connection Pipe Assy   | 9315355041   |
| 22  | Distributor Assy       | 9316988019   |
| 23  | Pipe Thermistor        | 9900551018   |

INDOOR UNIT  
WALL MOUNTED  
ASU18RLF



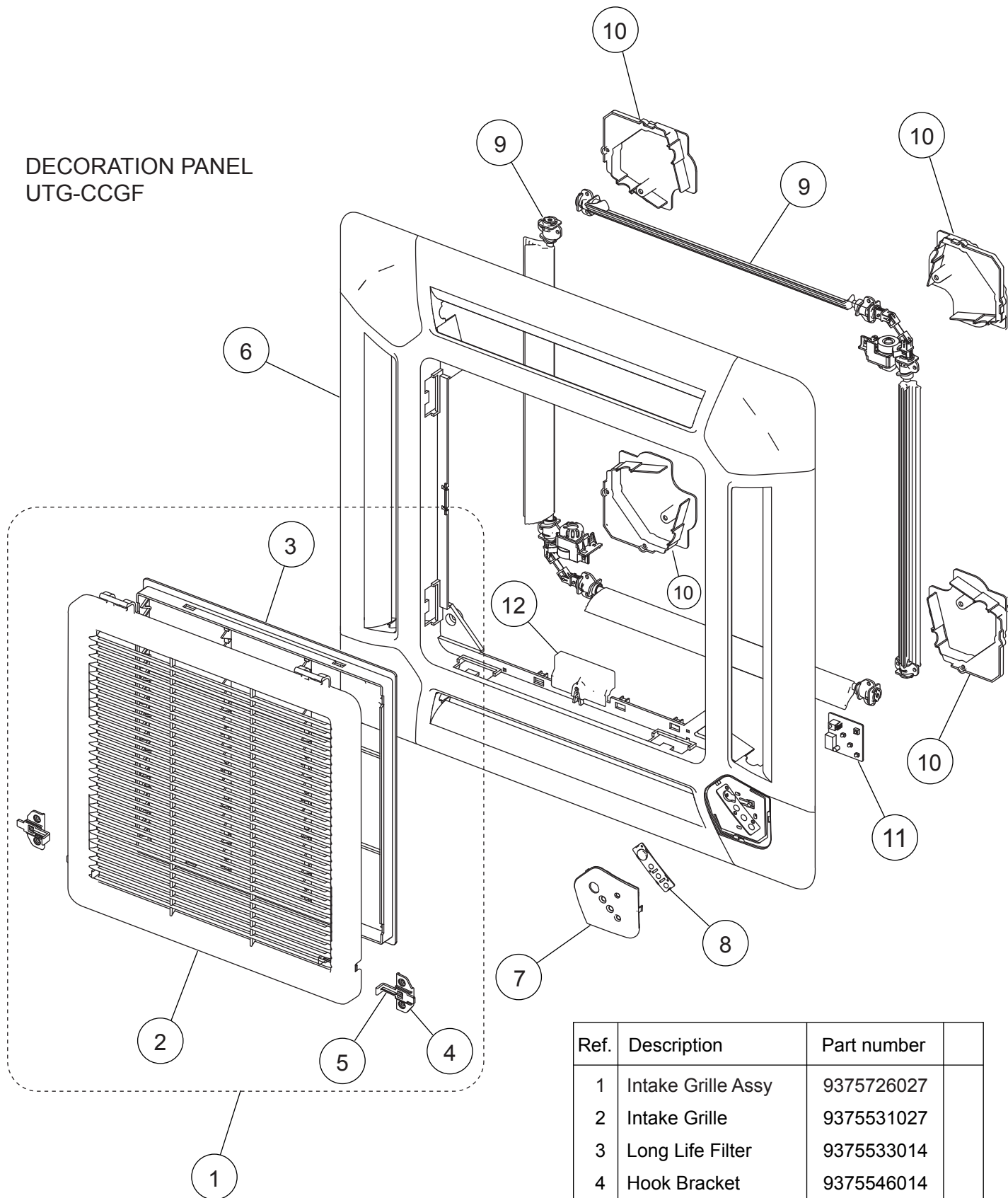
| Ref | Description     | Parts number | Ref | Description            | Parts number |
|-----|-----------------|--------------|-----|------------------------|--------------|
| 31  | Casing Assy     | 9315331045   | 42  | Louver U               | 9315000019   |
| 32  | Casing          | 9314993015   | 43  | Louver Z               | 9315001016   |
| 33  | Casing Cover B  | 9315016010   | 44  | Diffuser U             | 9315002013   |
| 34  | Casing Cover L  | 9315017017   | 45  | Diffuser Z             | 9315003010   |
| 35  | Casing Cover R  | 9315018014   | 46  | Spring C               | 9314142017   |
| 36  | Casing Cover F  | 9315019011   | 47  | Pillar A               | 9315009012   |
| 37  | Drain Cap       | 9367677009   | 48  | Joint B                | 9315006011   |
| 38  | Drain Hose Assy | 9315769015   | -   | Fan Guard              | 9305751051   |
| 39  | Bush B          | 9312156016   | -   | Fan Guard Holder Right | 9315814012   |
| 40  | Spacer B        | 9312441013   | -   | Fan Guard Holder Left  | 9315815019   |
| 41  | R and L Louver  | 9311997016   |     |                        |              |

INDOOR UNIT  
WALL MOUNTED  
ASU18RLF



| Ref | Description        | Parts number |
|-----|--------------------|--------------|
| 51  | Motor Case         | 9314998027   |
| 52  | Fan Motor Assy     | 9602784004   |
| 53  | Control Box        | 9314996023   |
| 54  | Control Box Cover  | 9314997020   |
| 55  | Controller PCB     | 9708540016   |
| 56  | Terminal Earth     | 9315028013   |
| 57  | Terminal           | 9900447014   |
| 58  | Motor Step (Red)   | 9900384029   |
| 59  | Motor Step (Green) | 9900384036   |
| 60  | Motor Step (Blue)  | 9900139063   |
| 61  | Gear A             | 9309994003   |
| 62  | Indicator PCB Assy | 9707210057   |

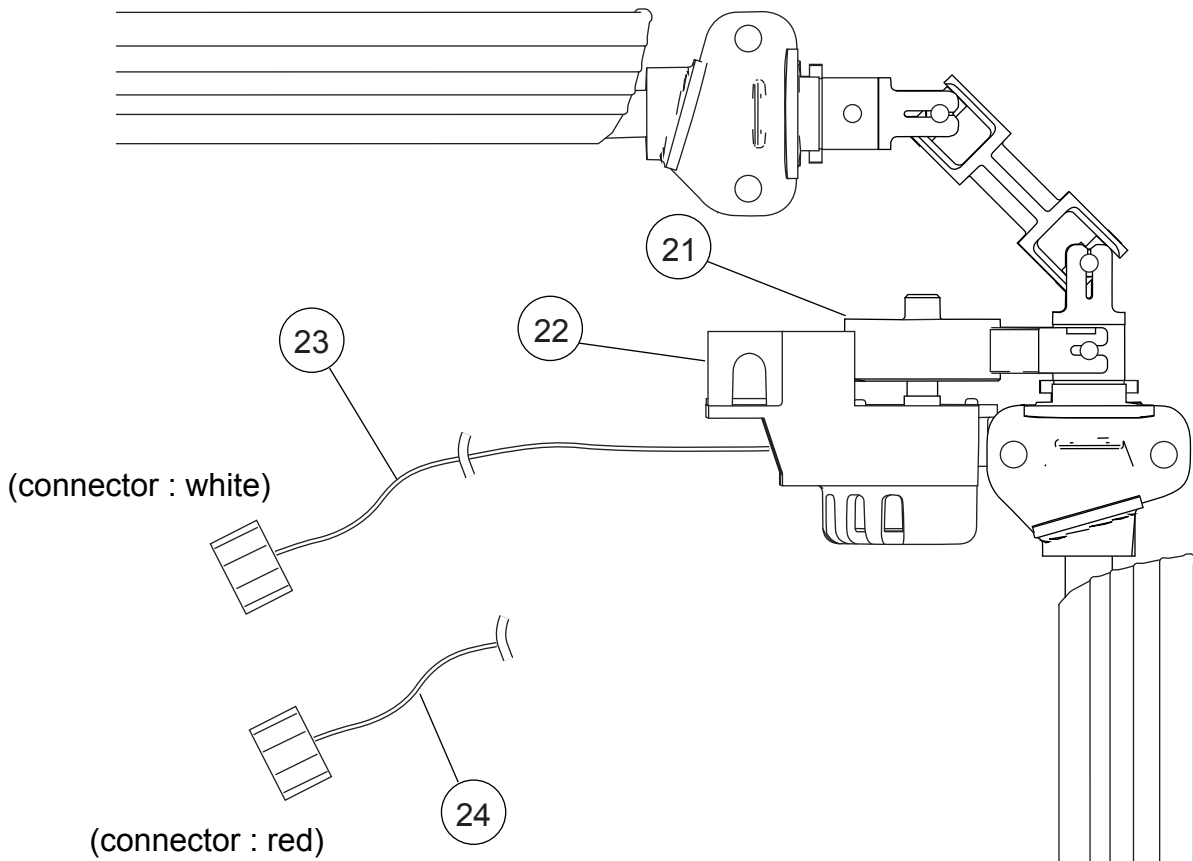
DECORATION PANEL  
UTG-CCGF



| Ref. | Description                          | Part number |
|------|--------------------------------------|-------------|
| 1    | Intake Grille Assy                   | 9375726027  |
| 2    | Intake Grille                        | 9375531027  |
| 3    | Long Life Filter                     | 9375533014  |
| 4    | Hook Bracket                         | 9375546014  |
| 5    | Grille Hook                          | 9375532024  |
| 6    | Decoration Panel without Insulations | 9375525033  |
| 7    | Display Panel                        | 9375529123  |
| 8    | Receiver Window                      | 9375547011  |
| 9    | Flap Total Assy                      | 9377760029  |
| 10   | Panel Cover without Insulations      | 9375530013  |
| 11   | Indicator PCB Assy                   | 9707371031  |
| 12   | Connector Cover                      | 9375549015  |

DECORATION PANEL  
 UTG-CCGF

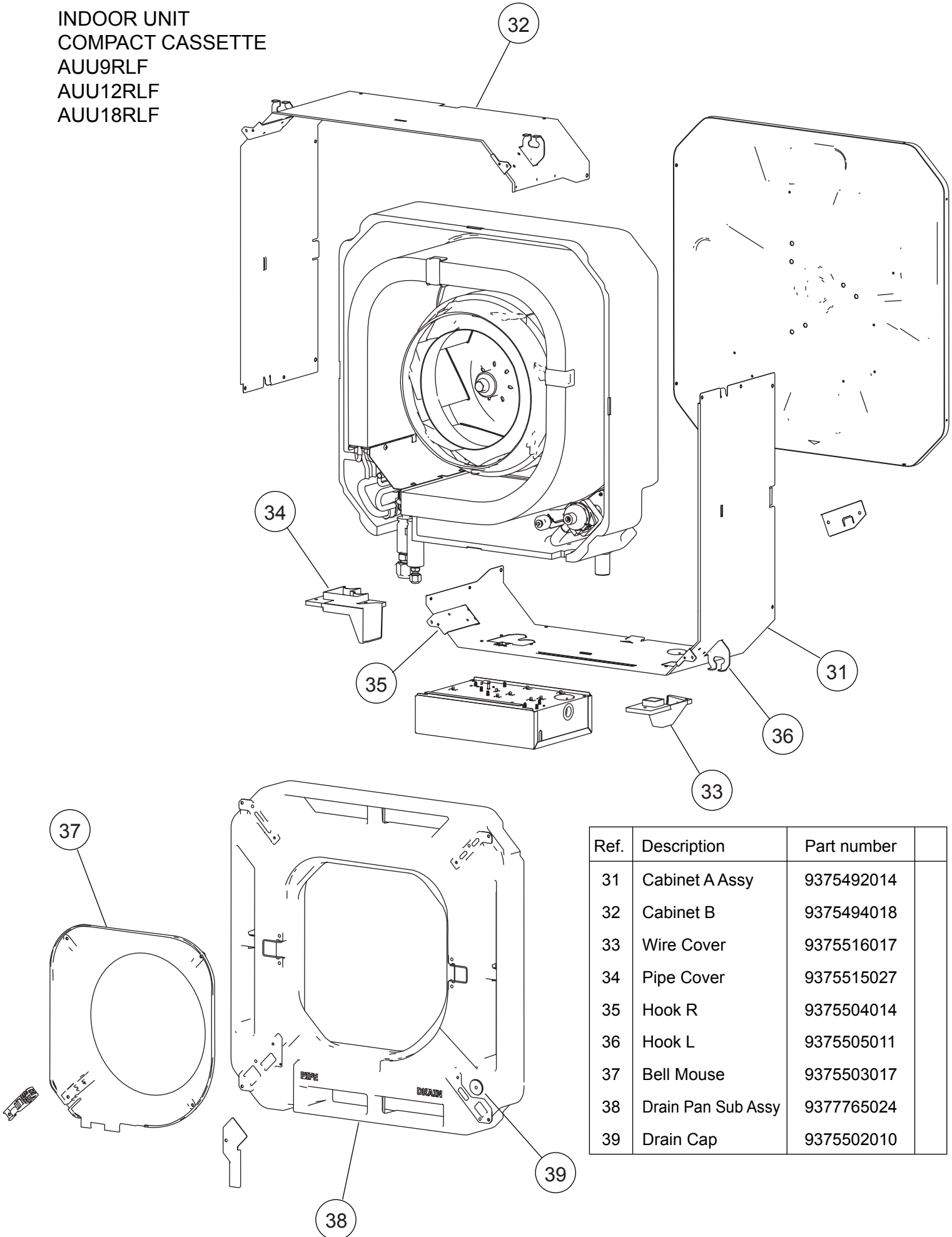
Flap total assy  
 Motor holder assy



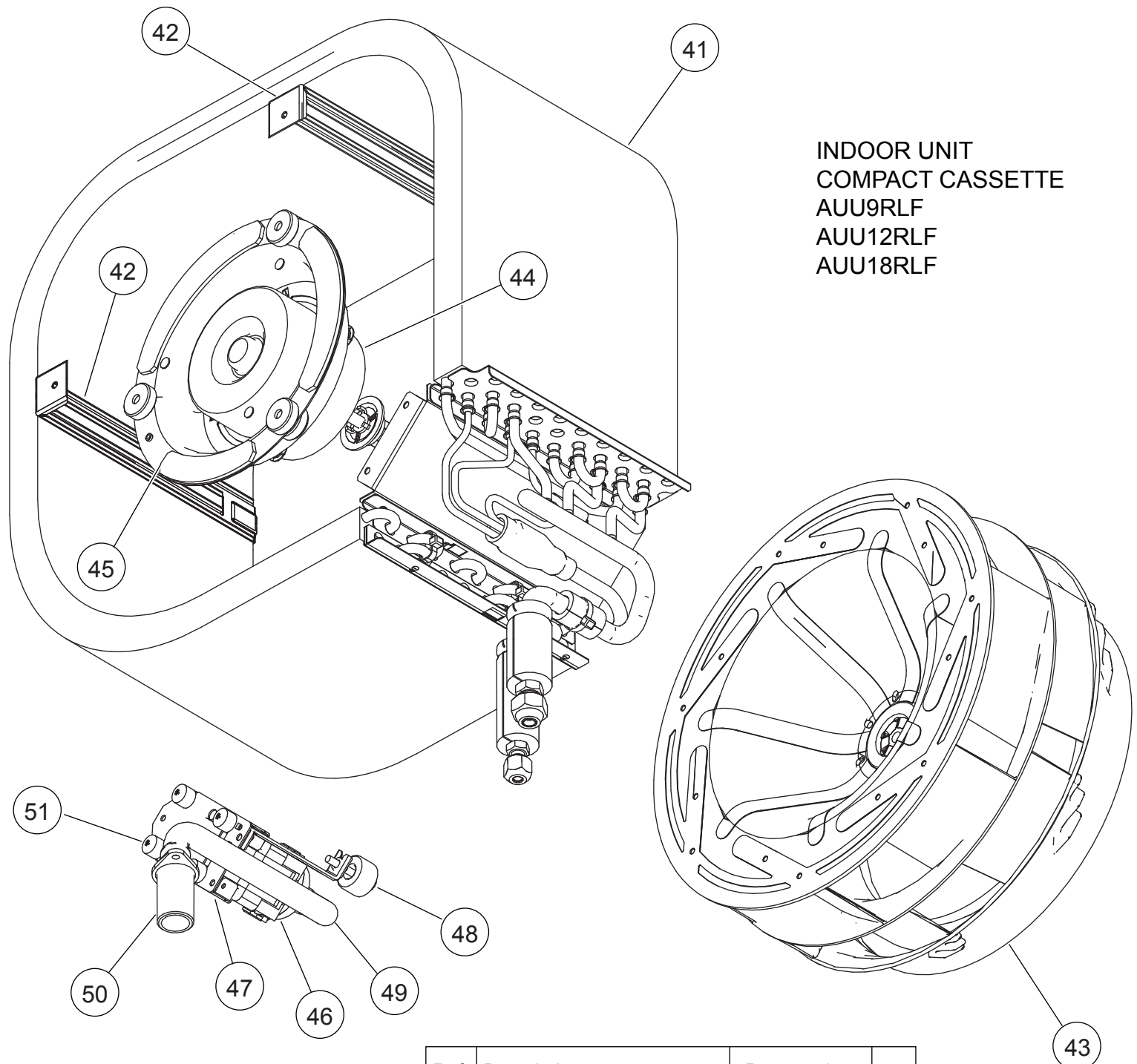
| Ref. | Description                     | Part number |  |
|------|---------------------------------|-------------|--|
| 21   | Gear A                          | 9375536015  |  |
| 22   | Motor Holder                    | 9375535018  |  |
| 23   | Step Motor<br>(white connector) | 9900139070  |  |
|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



INDOOR UNIT  
 COMPACT CASSETTE  
 AUU9RLF  
 AUU12RLF  
 AUU18RLF



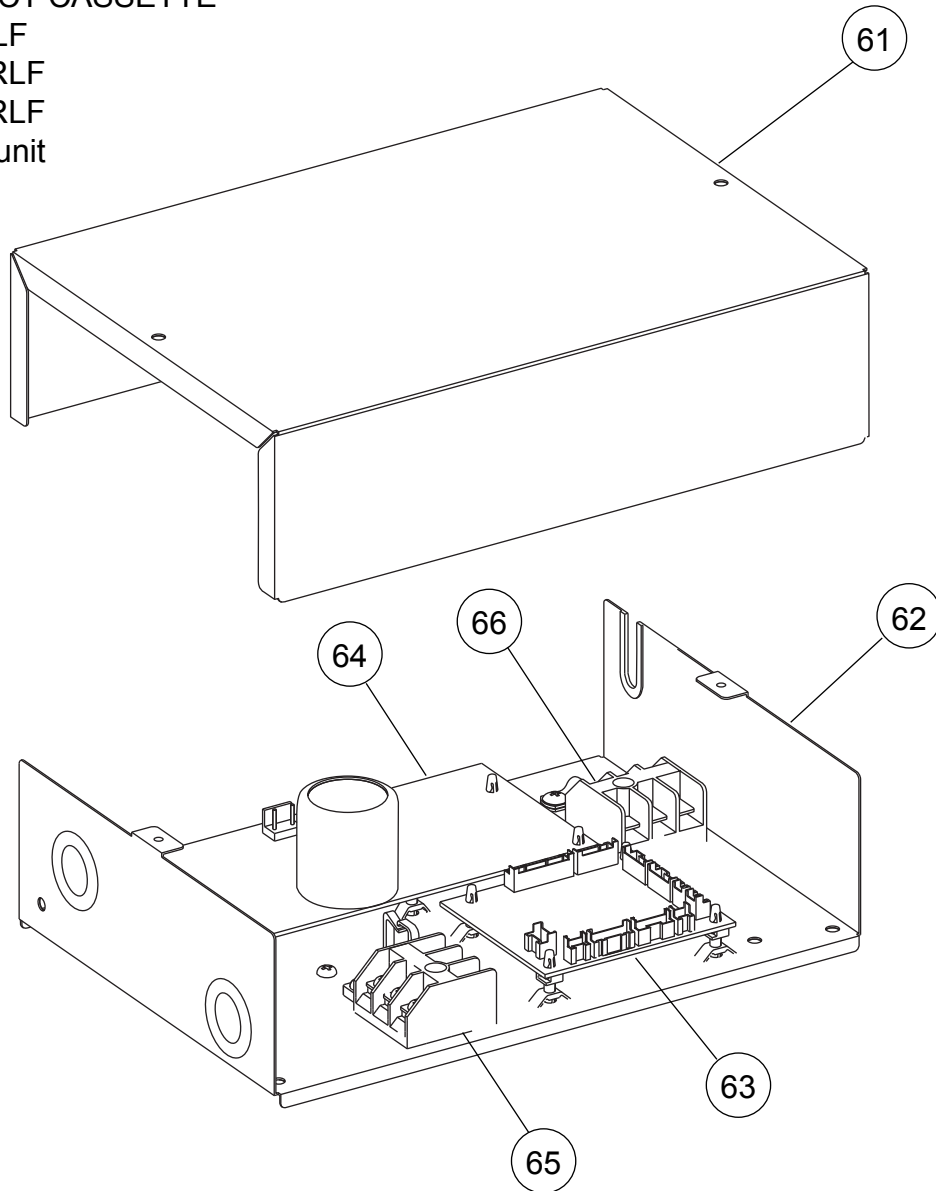
| Ref. | Description        | Part number |
|------|--------------------|-------------|
| 31   | Cabinet A Assy     | 9375492014  |
| 32   | Cabinet B          | 9375494018  |
| 33   | Wire Cover         | 9375516017  |
| 34   | Pipe Cover         | 9375515027  |
| 35   | Hook R             | 9375504014  |
| 36   | Hook L             | 9375505011  |
| 37   | Bell Mouse         | 9375503017  |
| 38   | Drain Pan Sub Assy | 9377765024  |
| 39   | Drain Cap          | 9375502010  |



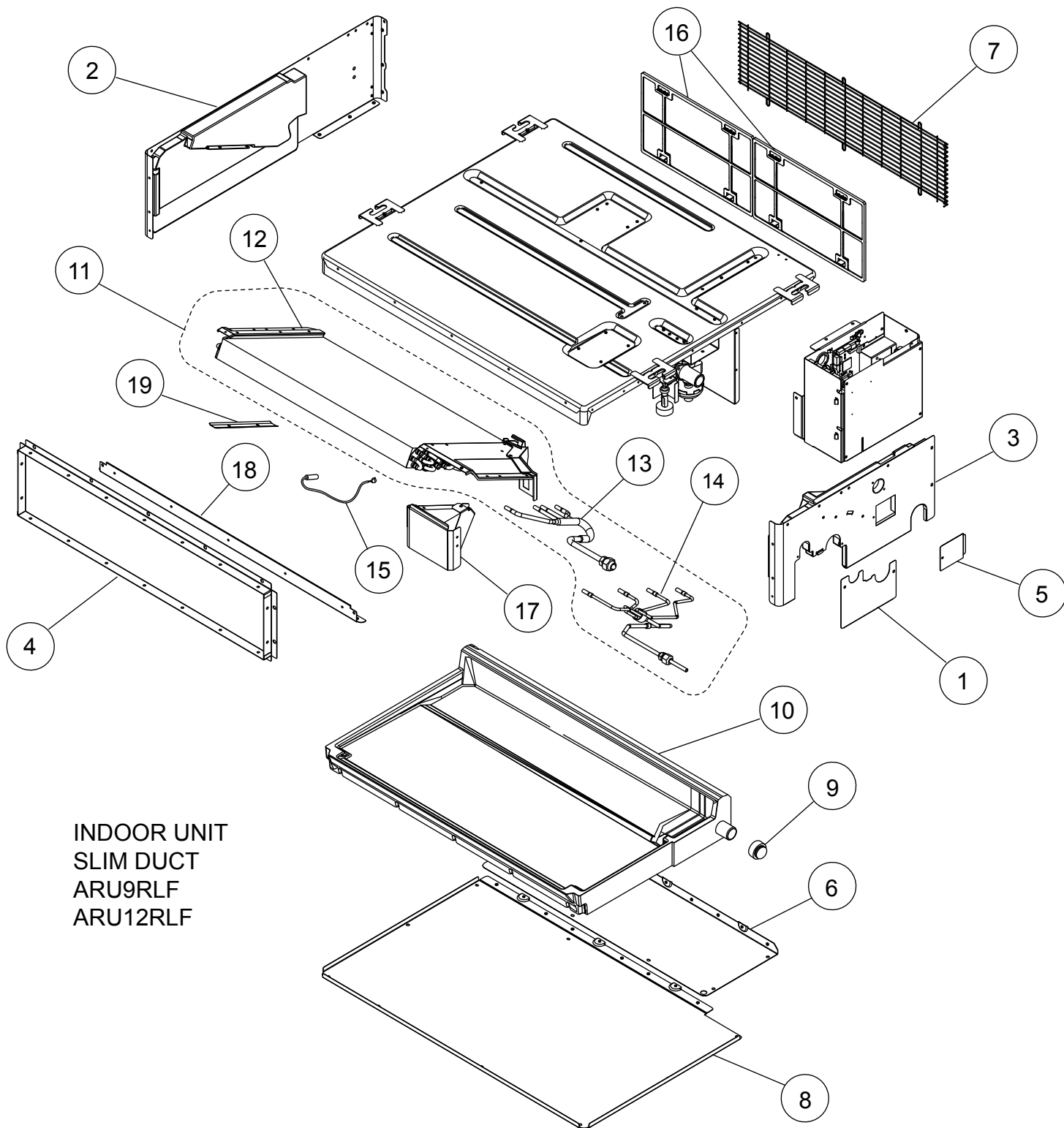
INDOOR UNIT  
 COMPACT CASSETTE  
 AUU9RLF  
 AUU12RLF  
 AUU18RLF

| Ref. | Description                    | Part number |
|------|--------------------------------|-------------|
| 41   | Evaporator Total Assy (09, 12) | 9377914033  |
| 41   | Evaporator Total Assy (18)     | 9377914026  |
| 42   | Evaporator Holder              | 9375508012  |
| 43   | 2 Stage Turbo Fan Assy         | 9375480011  |
| 44   | Fan Motor                      | 9602870004  |
| 45   | Fan Motor Holder               | 9375552015  |
| 46   | Pump Assy                      | 9900472030  |
| 47   | Drain Pump Holder B            | 9375518011  |
| 48   | Float Switch                   | 9900361037  |
| 49   | Drain Hose                     | 9375519018  |
| 50   | Drain Port                     | 9375520014  |
| 51   | Rubber (Pump)                  | 9378426016  |

INDOOR UNIT  
 COMPACT CASSETTE  
 AUU9RLF  
 AUU12RLF  
 AUU18RLF  
 Control unit



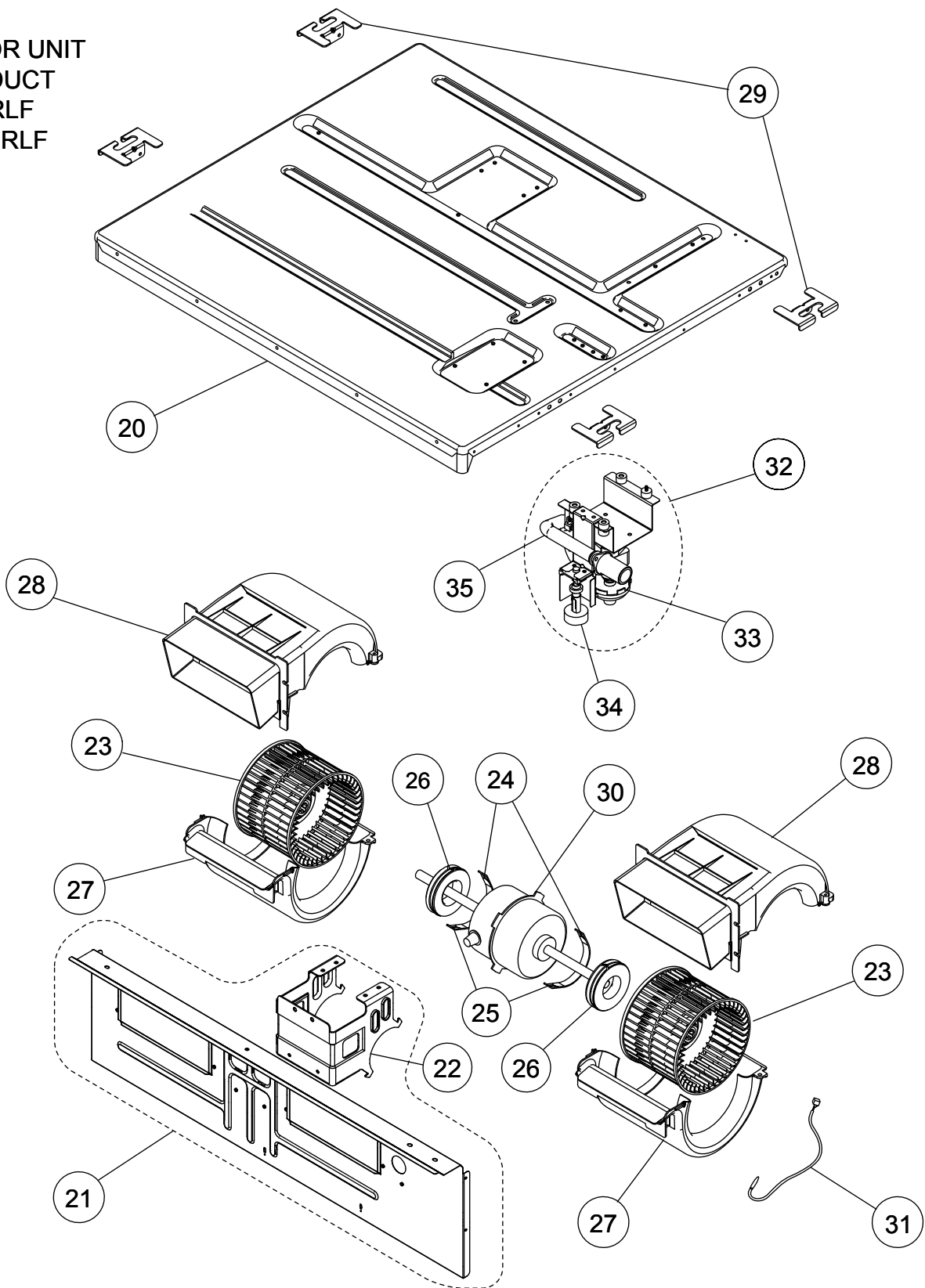
| Ref. | Description              | Part number |
|------|--------------------------|-------------|
| 61   | Control Box Cover        | 9375512019  |
| 62   | Control Box A Assy       | 9379250016  |
| 63   | Controller PCB Assy (9)  | 9707393668  |
| 63   | Controller PCB Assy (12) | 9707393712  |
| 63   | Controller PCB Assy (18) | 9707393729  |
| 64   | Power Supply PCB Assy    | 9707398236  |
| 65   | Terminal                 | 9306489045  |
| 66   | Terminal                 | 9703345012  |
| --   | Pipe Thermistor          | 9703297014  |
| --   | Room Thermistor          | 9900502003  |
| --   | Remote Control           | 9318593006  |



INDOOR UNIT  
SLIM DUCT  
ARU9RLF  
ARU12RLF

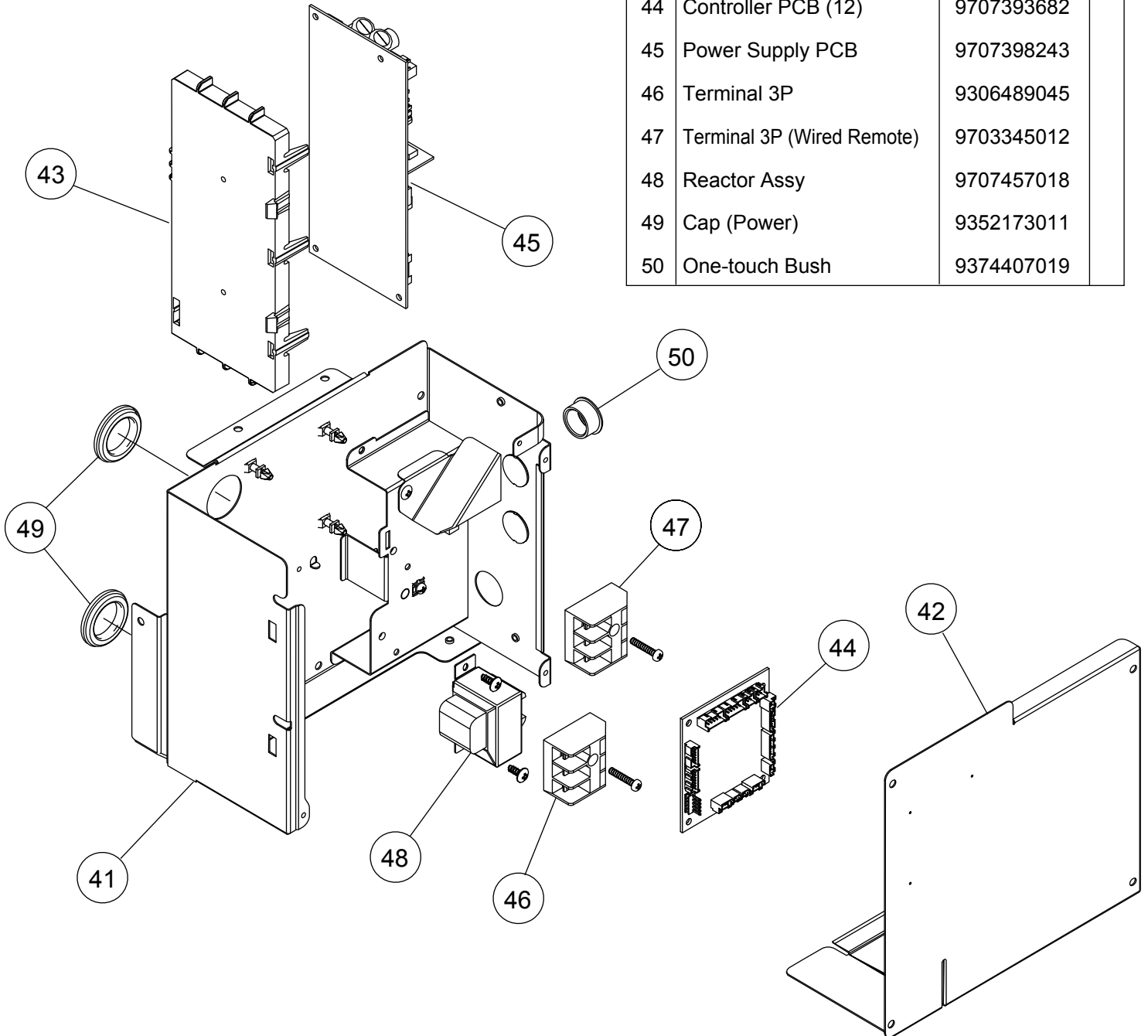
| Ref | Description             | Parts number | Ref | Description           | Parts number |
|-----|-------------------------|--------------|-----|-----------------------|--------------|
| 1   | Pipe Panel Sub Assy     | 9379900003   | 11  | Evaporator Total Assy | 9364499581   |
| 2   | Side Panel R Sub Assy   | 9379906005   | 11  | Evaporator Assy       | 9372972076   |
| 3   | Side Panel L Sub Assy   | 9379907002   | 13  | Coupling Pipe Assy    | 9373038764   |
| 4   | Outlet Frame Sub Assy   | 9379909006   | 14  | Distributor Assy      | 9373034384   |
| 5   | Panel (Window) Sub Assy | 9379915007   | 15  | Thermistor (Pipe)     | 9900498085   |
| 6   | Cabinet Panel (2 Fan)   | 9379596008   | 16  | Air Filter            | 9379574006   |
| 7   | Fan Guard (2 Fan)       | 9379637008   | 17  | Valve Cover Sub Assy  | 9379576000   |
| 8   | Main Panel Sub Assy     | 9379902007   | 18  | Front Panel (2 Fan)   | 9379593007   |
| 9   | Cap (Drain)             | 9358746004   | 19  | Cover Pipe Sub Assy   | 9380033004   |
| 10  | Drain Pan Sub Assy      | 9379901000   |     |                       |              |

INDOOR UNIT  
SLIM DUCT  
ARU9RLF  
ARU12RLF

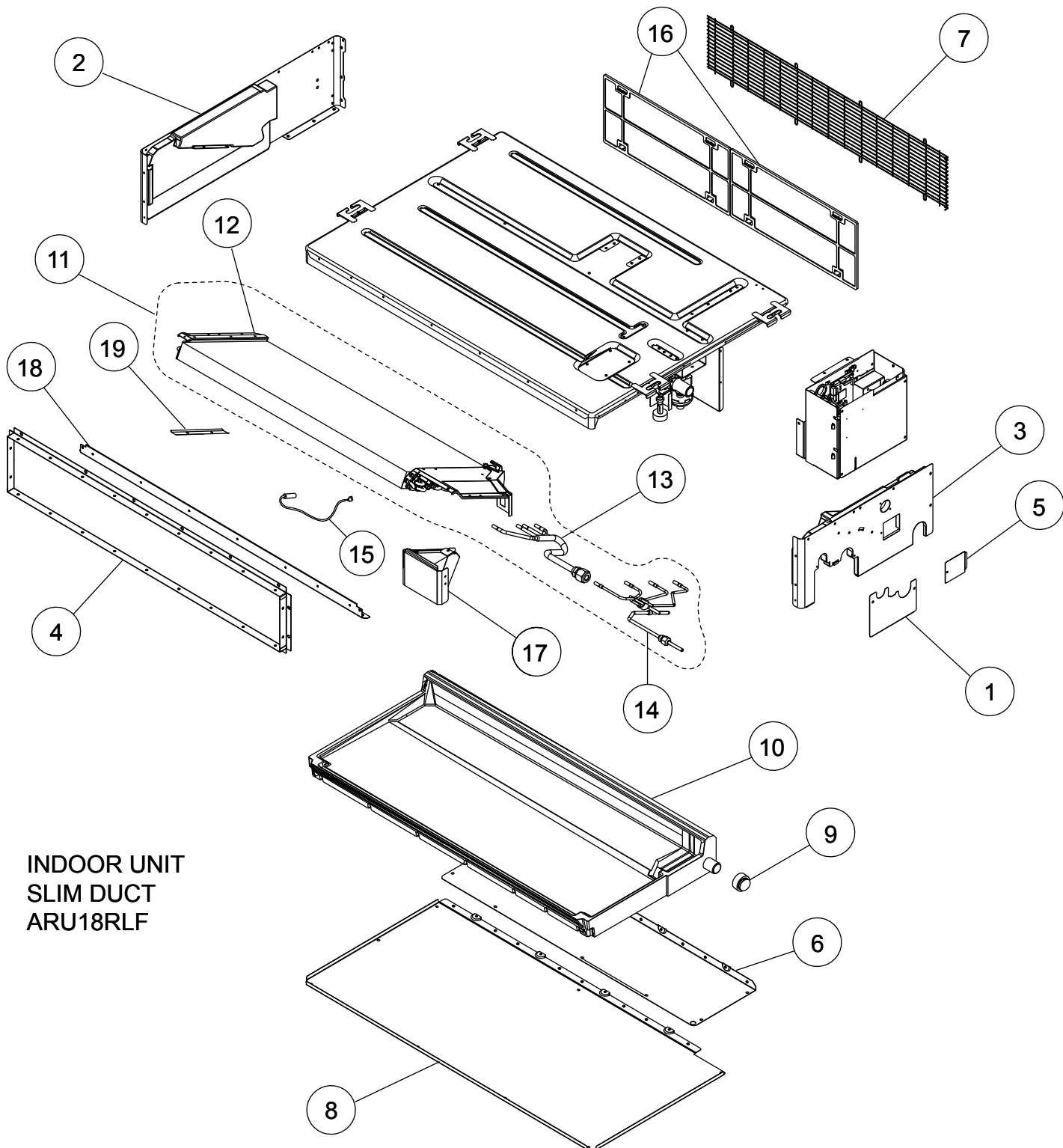


| Ref | Description              | Parts number | Ref | Description         | Parts number |
|-----|--------------------------|--------------|-----|---------------------|--------------|
| 20  | Top Panel Sub Assy       | 9379908009   | 28  | Casing U            | 9379571005   |
| 21  | Separator Sub Assy       | 9379898003   | 29  | Hook Metal          | 9379889001   |
| 22  | Motor Mount              | 9379612005   | 30  | Fan Motor Assy      | 9602967018   |
| 23  | Sirroco Fan Assy         | 9379570015   | 31  | Thermistor (Room)   | 9703299247   |
| 24  | Motor Band Assy          | 9379613002   | 32  | Drain Pump Sub Assy | 9379914000   |
| 25  | Motor Band               | 9379614009   | 33  | Pump Assy           | 9900472047   |
| 26  | Rubber (Vibration Proof) | 9379644006   | 34  | Float Switch        | 9900465032   |
| 27  | Casing B                 | 9379572002   | 35  | Drain Hose Assy     | 9379913003   |

INDOOR UNIT  
SLIM DUCT  
ARU9RLF  
ARU12RLF



| Ref | Description                | Parts number |
|-----|----------------------------|--------------|
| 41  | Control Box Assy           | 9380041016   |
| 42  | Control Cover Sub Assy     | 9379806022   |
| 43  | PCB Holder                 | 9379402019   |
| 44  | Controller PCB (9)         | 9707393675   |
| 44  | Controller PCB (12)        | 9707393682   |
| 45  | Power Supply PCB           | 9707398243   |
| 46  | Terminal 3P                | 9306489045   |
| 47  | Terminal 3P (Wired Remote) | 9703345012   |
| 48  | Reactor Assy               | 9707457018   |
| 49  | Cap (Power)                | 9352173011   |
| 50  | One-touch Bush             | 9374407019   |

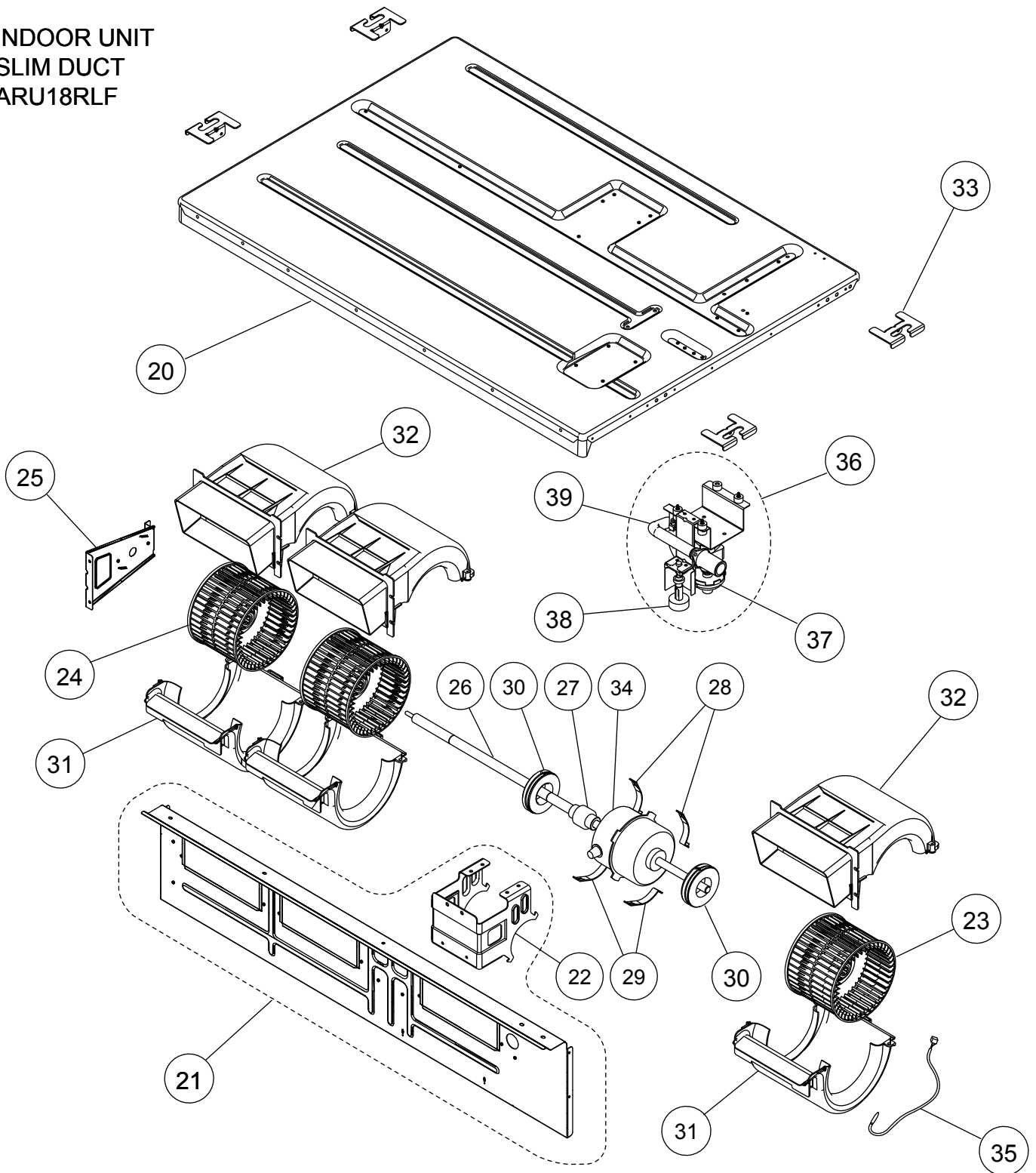


INDOOR UNIT  
SLIM DUCT  
ARU18RLF

| Ref | Description             | Parts number |
|-----|-------------------------|--------------|
| 1   | Pipe Panel Sub Assy     | 9379900003   |
| 2   | Side Panel R Sub Assy   | 9379906005   |
| 3   | Side Panel L Sub Assy   | 9379907002   |
| 4   | Outlet Frame Sub Assy   | 9379909013   |
| 5   | Panel (Window) Sub Assy | 9379915007   |
| 6   | Cabinet Panel (3 Fan)   | 9379597005   |
| 7   | Fan Guard (3 Fan)       | 9379638005   |
| 8   | Main Panel Sub Assy     | 9379902014   |
| 9   | Cap (Drain)             | 9358746004   |
| 10  | Drain Pan Sub Assy      | 9379901017   |

| Ref | Description           | Parts number |
|-----|-----------------------|--------------|
| 11  | Evaporator Total Assy | 9364499604   |
| 12  | Evaporator Assy       | 9372972083   |
| 13  | Coupling Pipe Assy    | 9373038788   |
| 14  | Distributor Assy      | 9373034384   |
| 15  | Pipe Thermistor       | 9900498085   |
| 16  | Air Filter            | 9379575003   |
| 17  | Valve Cover Sub Assy  | 9379576000   |
| 18  | Front Panel (3 Fan)   | 9379594004   |
| 19  | Cover Pipe Sub Assy   | 9380033004   |

INDOOR UNIT  
SLIM DUCT  
ARU18RLF

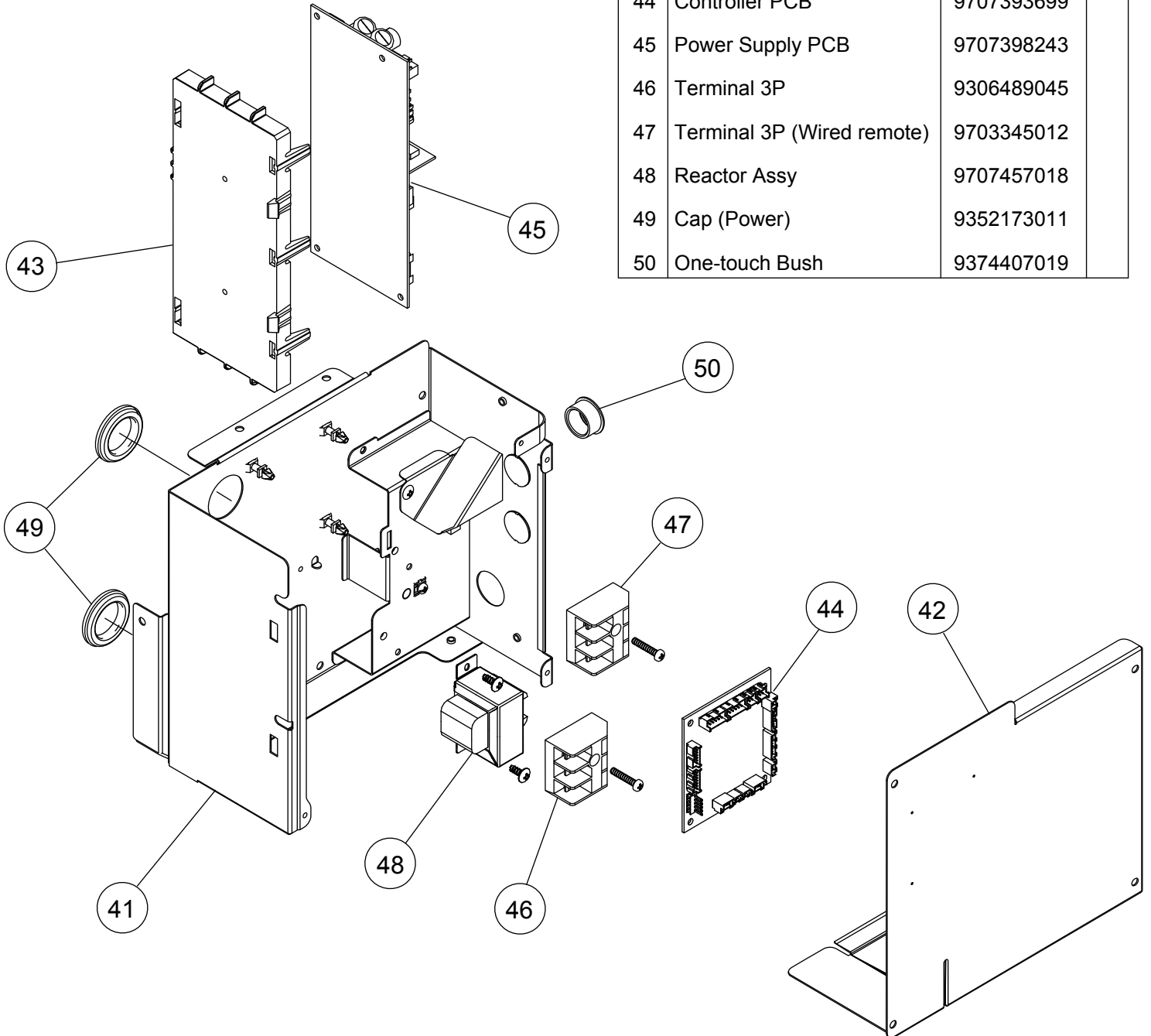


| Ref | Description                | Parts number |
|-----|----------------------------|--------------|
| 20  | Top Panel Sub Assy         | 9379908016   |
| 21  | Separator Sub Assy         | 9379898010   |
| 22  | Motor Mount                | 9379612005   |
| 23  | Sirroco Fan Assy           | 9379570022   |
| 24  | Sirroco Fan Assy           | 9379570039   |
| 25  | Bracket (Bearing Sub Assy) | 9379627009   |
| 26  | Shaft Assy                 | 9379805001   |
| 27  | Joint Assy                 | 9378038011   |
| 28  | Motor Band Assy            | 9379613002   |
| 29  | Motor Band                 | 9379614009   |

| Ref | Description              | Parts number |
|-----|--------------------------|--------------|
| 30  | Rubber (Vibration Proof) | 9379644006   |
| 31  | Casing B                 | 9379572002   |
| 32  | Casing U                 | 9379571005   |
| 33  | Hook Metal               | 9379889001   |
| 34  | Fan Motor Assy           | 9602968015   |
| 35  | Thermistor (Room)        | 9703299247   |
| 36  | Drain Pump Sub Assy      | 9379914000   |
| 37  | Pump Assy                | 9900472047   |
| 38  | Float Switch             | 9900465032   |
| 39  | Drain Hose Assy          | 9379913003   |



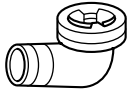

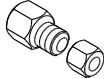
INDOOR UNIT  
SLIM DUCT  
ARU18RLF



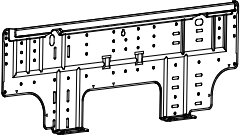
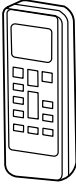
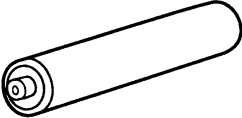


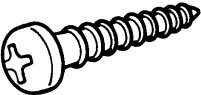

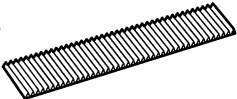
| Ref | Description                | Parts number |
|-----|----------------------------|--------------|
| 41  | Control Box Assy           | 9380041016   |
| 42  | Control Cover Sub Assy     | 9379806022   |
| 43  | PCB Holder                 | 9379402019   |
| 44  | Controller PCB             | 9707393699   |
| 45  | Power Supply PCB           | 9707398243   |
| 46  | Terminal 3P                | 9306489045   |
| 47  | Terminal 3P (Wired remote) | 9703345012   |
| 48  | Reactor Assy               | 9707457018   |
| 49  | Cap (Power)                | 9352173011   |
| 50  | One-touch Bush             | 9374407019   |

## ACCESSORIES

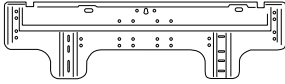
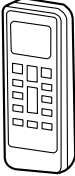




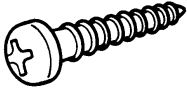
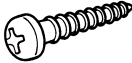
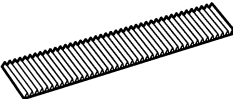
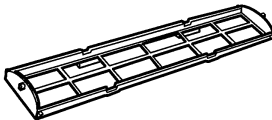
### OUTDOOR UNIT

| Name and Shape  | Q'ty | Use   |
|---|------|---|
| Drain pipe<br>   | 1    | For drain piping work                                 |
| Drain cap<br>  | 5    |   |
| Adapter assy<br>12.7 mm → 9.52 mm<br>(1/2 in.) (3/8 in.)<br> | 1    | For use when connecting models 9-12 to outdoor port A |





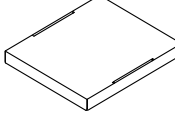
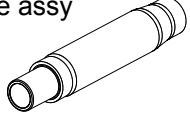

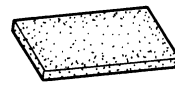
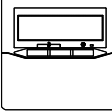
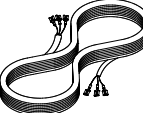

**INDOOR UNIT  
COMPACT WALL MOUNTED  
ASU7RLF, ASU9RLF, ASU12RLF**

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

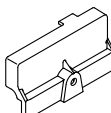



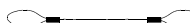


**WALL MOUNTED  
ASU18RLF**

| Name and Shape  | Q'ty |
|---|------|
| Wall hook bracket<br>           | 1    |
| Remote control<br>             | 1    |
| Battery<br>                     | 2    |
| Remote control holder<br>      | 1    |
| Drain hose insulation<br>     | 1    |
| Cloth tape<br>               | 1    |
| Tapping screw (big)<br>      | 8    |
| Tapping screw (small)<br>    | 2    |
| Air cleaning filter<br>       | 2    |
| Air cleaning filter frame<br> | 2    |

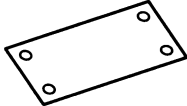



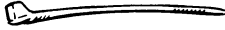
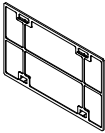
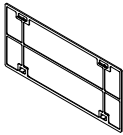
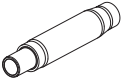





**INDOOR UNIT  
COMPACT CASSETTE  
AUU9RLF, AUU12RLF, AUU18RLF**

| Name and Shape  | Q'ty | Application   |
|---|------|---|
| Coupler heat insulation (Small)  | 1    | For indoor side pipe joint (Liquid pipe)                                  |
| Coupler heat insulation (Large)  | 1    | For indoor side pipe joint (Gas pipe)                                     |
| Special nutA (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<br>Also used as packing                      |
| Drain hose assy                | 1    | For installing drain pipe<br>19 mm (3/4 in.) [O.D.<br>27 mm (1-1/16 in.)] |
| Hose band assy                 | 1    | For installing drain pipe<br>(3/4 in.)                                    |
| Drain hose insulation          | 1    | For installing drain hose   |
| Wired remote control           | 1    |   |
| Remote control cable           | 1    | For connecting the remote control   |
| Tapping screw (M4 × 16 mm)     | 2    | For installing the wired remote control                                   |

**DECORATION PANEL  
UTG-CCGF**

| 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  
SLIM DUCT  
ARU9RLF  
ARU12RLF  
ARU18RLF

| Name and Shape   | Q'ty        | Application  |
|--|-------------|--|
| Installation template<br>           | 1           | For positioning the indoor unit                        |
| Washer<br>                          | 8           | For installing indoor unit                             |
| Coupler heat insulation (Large)<br> | 1           | For indoor side pipe joint (Large pipe)                |
| Coupler heat insulation (Small)<br> | 1           | For indoor side pipe joint (Small pipe)                |
| Binder<br>                          | Medium<br>3 | For power supply and remote control cable binding.     |
|  | Large<br>4  | For fixing the coupler heat insulation.                |
| Filter (Small)<br>                 | 2           | (ARU9RLF<br>ARU12RLF)                                  |
| Filter (Big)<br>                  | 2           | (ARU18RLF)   |
| Drain hose<br>                    | 1           | For installing drain pipe<br>3/4 in. (O.D. 1-1/16 in.) |
| Hose band<br>                     | 1           | For installing drain hose                              |
| Drain hose insulation B<br>       | 1           | Insulates the drain hose                               |
| Wired remote control<br>          | 1           |  |
| Remote control cable<br>          | 1           | For connecting the remote control                      |
| Tapping screw (M4 × 16 mm)<br>    | 2           | For installing the remote control                      |

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