

FUJI
ELECTRIC

**SPLIT TYPE ROOM AIR
CONDITIONER**

WALL MOUNTED type

SERVICE MANUAL

Models

Indoor unit

Outdoor unit

RS-7FA

RO-7FA

RS-7UA

RO-7UA



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S P E C I F I C A T I O N S

TYPE		COOL	COOL & HEAT
INDOOR UNIT		RS-7FA	RS-7UA
OUTDOOR UNIT		RO-7FA	RO-7UA
COOLING CAPACITY	(kW)	2.10 - 2.10	2.10 - 2.10
HEATING CAPACITY	(kW)	—	2.30 - 2.35

ELECTRICAL DATA

POWER SOURCE	(V)	220 - 240	220 - 240
FREQUENCY	(Hz)	50	50
RUNNING CURRENT	(A)	COOLING	3.0 - 3.1
		HEATING	—
INPUT WATTS	(kW)	COOLING	0.63 - 0.67
		HEATING	—
EER	(kW/kW)	COOLING	3.33 - 3.13
		HEATING	—
MOISTURE REMOVAL	(ℓ /hr)	1.0	1.0
AIR CIRCULATION-Hi	(m³/hr)	415	COOL 355 HEAT 370

COMPRESSOR

TYPE	Hermetic type, Permanent split condenser, 2 pole, Single phase, Induction motor		
CODE	80206335B 220-240V 50Hz	80210035C 220-240V 50Hz	
REFRIGERANT	R410A (g)	600	600

FAN MOTOR

POWER SOURCE	(V)	220 - 240	220 - 240
INDOOR UNIT	HI-SPEED (r.p.m.)	1,150 - 1,150	COOL 1,230 - 1,230 HEAT 1,280 - 1,280
	MED-SPEED (r.p.m.)	1,080 - 1,080	COOL 1,130 - 1,130 HEAT 1,180 - 1,180
	LO-SPEED (r.p.m.)	1,010 - 1,010	COOL 1,030 - 1,030 HEAT 1,080 - 1,080
	QUIET (r.p.m.)	900 - 900	COOL 940 - 940 HEAT 970 - 970
OUTDOOR UNIT	(r.p.m.)	770 - 800	COOL 770 - 800 HEAT 770 - 800

DIMENSIONS

INDOOR UNIT	H x W x D (mm)	248 x 808 x 163	248 x 808 x 163
OUTDOOR UNIT		535 x 650 x 250	535 x 695 x 250

WEIGHTS

INDOOR UNIT	GROSS / NET (kg)	10 / 8	10 / 7.5
OUTDOOR UNIT		27 / 24	28 / 25

NOISE LEVEL

INDOOR UNIT	HI-SPEED (dB)	37 - 37	COOL 37 - 37	HEAT 37 - 37
	MED-SPEED (dB)	35 - 35	COOL 35 - 35	HEAT 34 - 34
	LO-SPEED (dB)	33 - 33	COOL 33 - 33	HEAT 32 - 32
	SUPER QUIET (dB)	31 - 31	COOL 30 - 30	HEAT 30 - 30
OUTDOOR UNIT (dB)		42 - 43	COOL 42 - 43	HEAT 44 - 45

ADDITIONAL CHARGE OF REFRIGERANT

Refrigerant suitable for a piping length of 7.5 m is charged in the outdoor unit at the factory.

When the piping is longer than 7.5 m, additional charging is necessary.

For the additional amount, see the table below.

Pipe length	7.5 m	10 m
Additional refrigerant	None	50 g

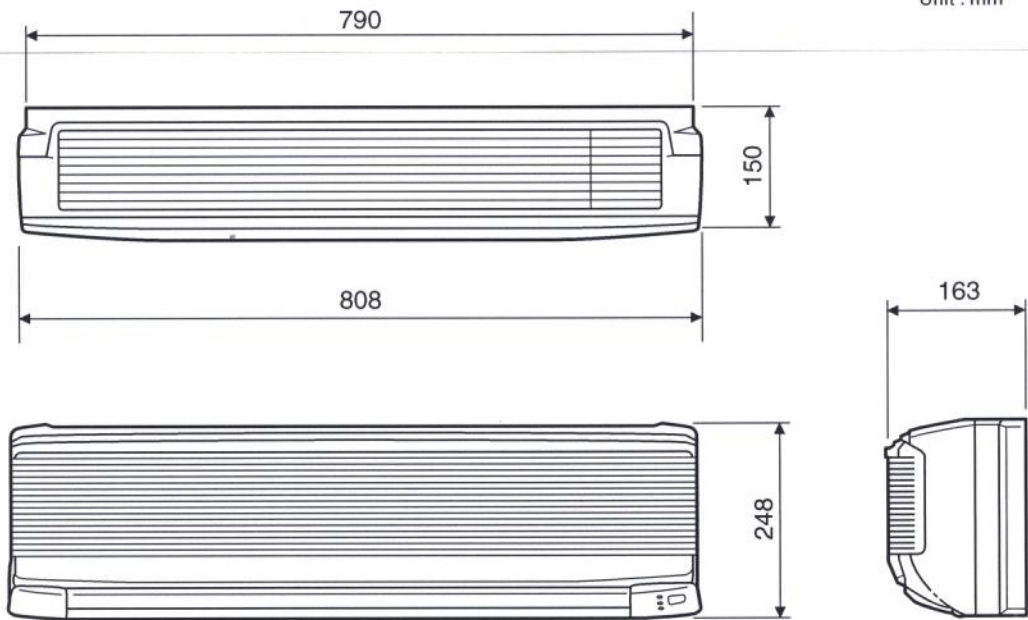
Between 7.5 m and 10 m, when using a connection pipe other than that in the table, charge additional refrigerant with 20 g /1 m as the criteria.

[The maximum length of the piping is 10 m. If the units are further apart than this, correct operation can not be guaranteed.]

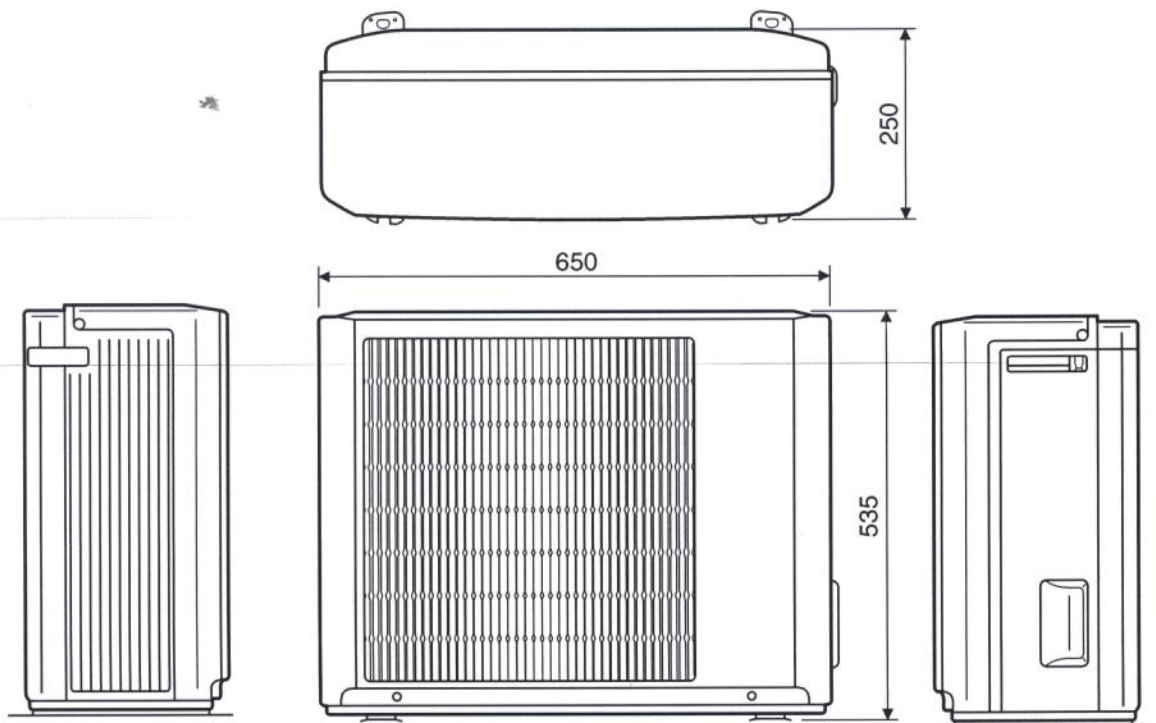
DIMENSIONS

INDOOR UNIT

Unit : mm

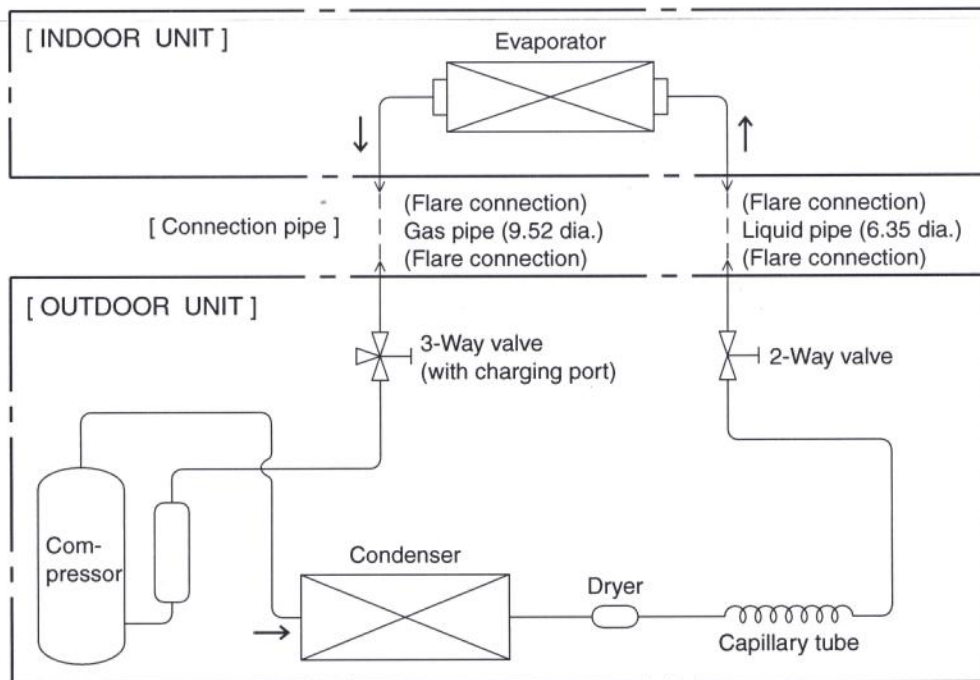


OUTDOOR UNIT

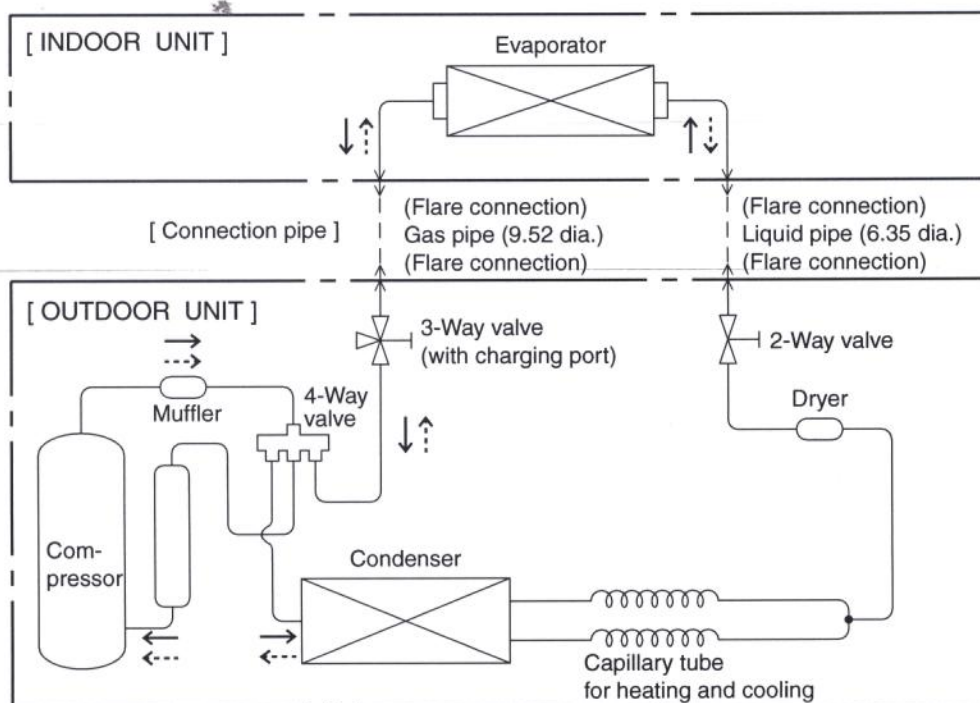


REFRIGERANT SYSTEM DIAGRAM

Models : RS-7FA / RO-7FA



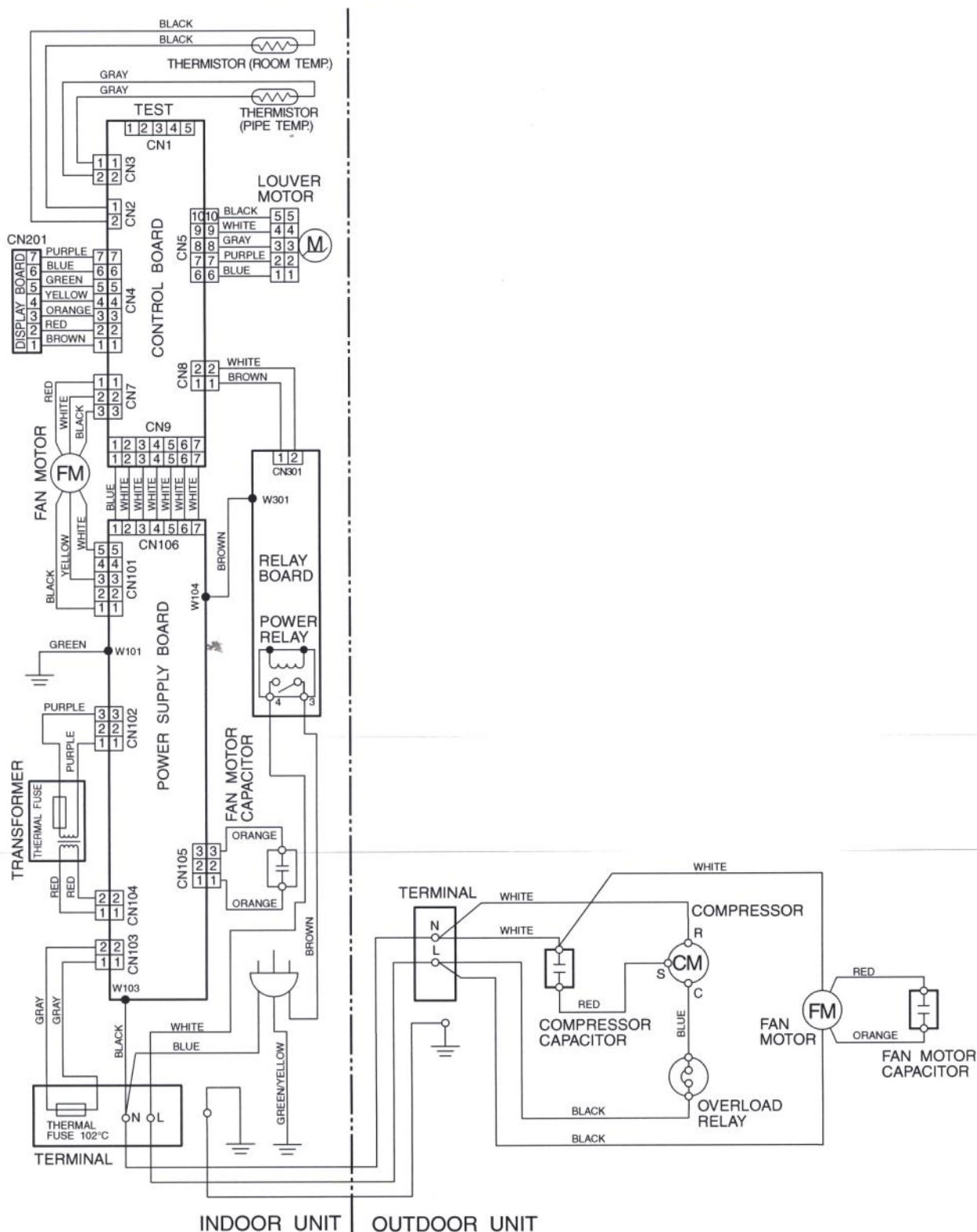
Models : RS-7UA / RO-7UA



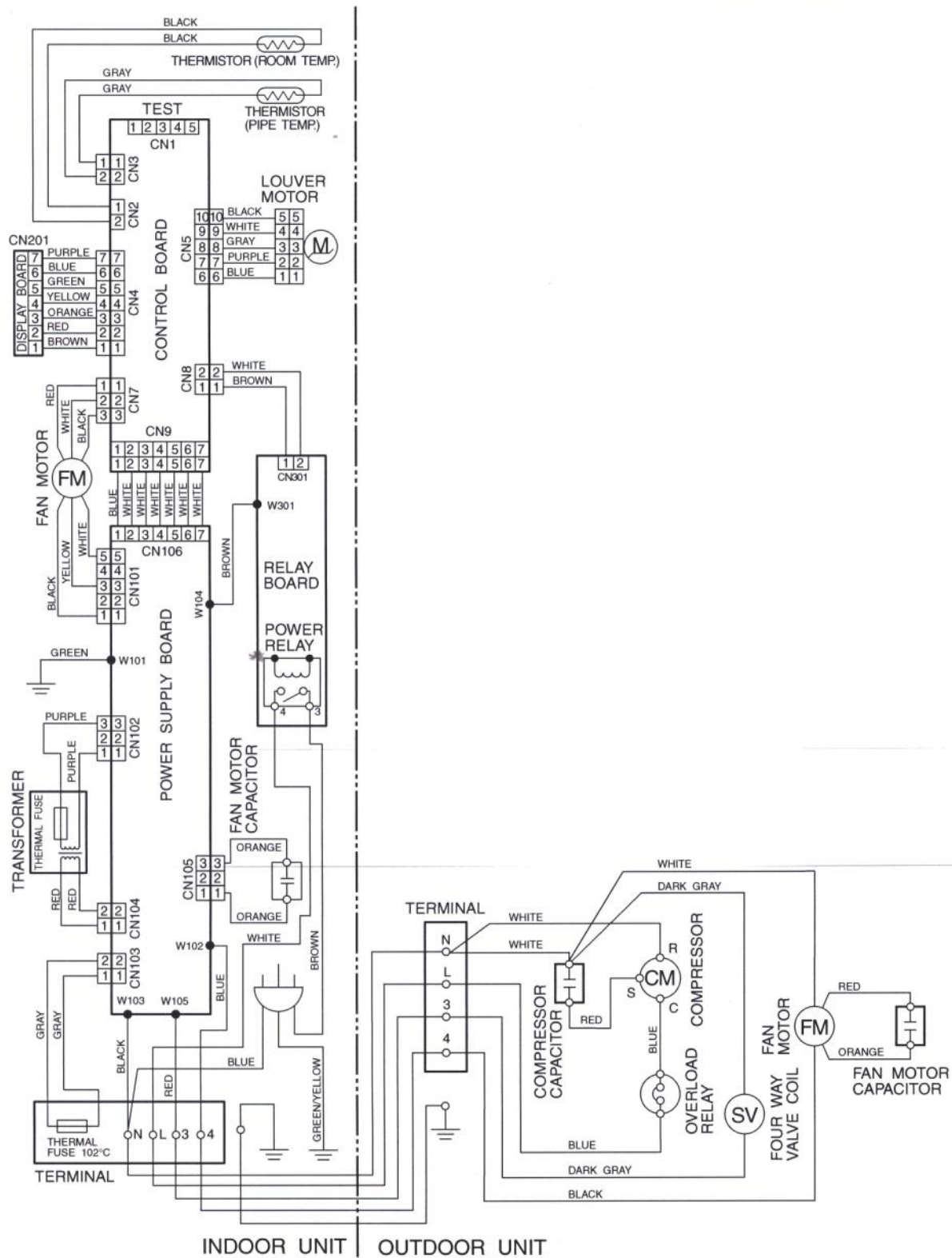
Cooling →
Heating --->

CIRCUIT DIAGRAM

Models : RS-7FA / RO-7FA

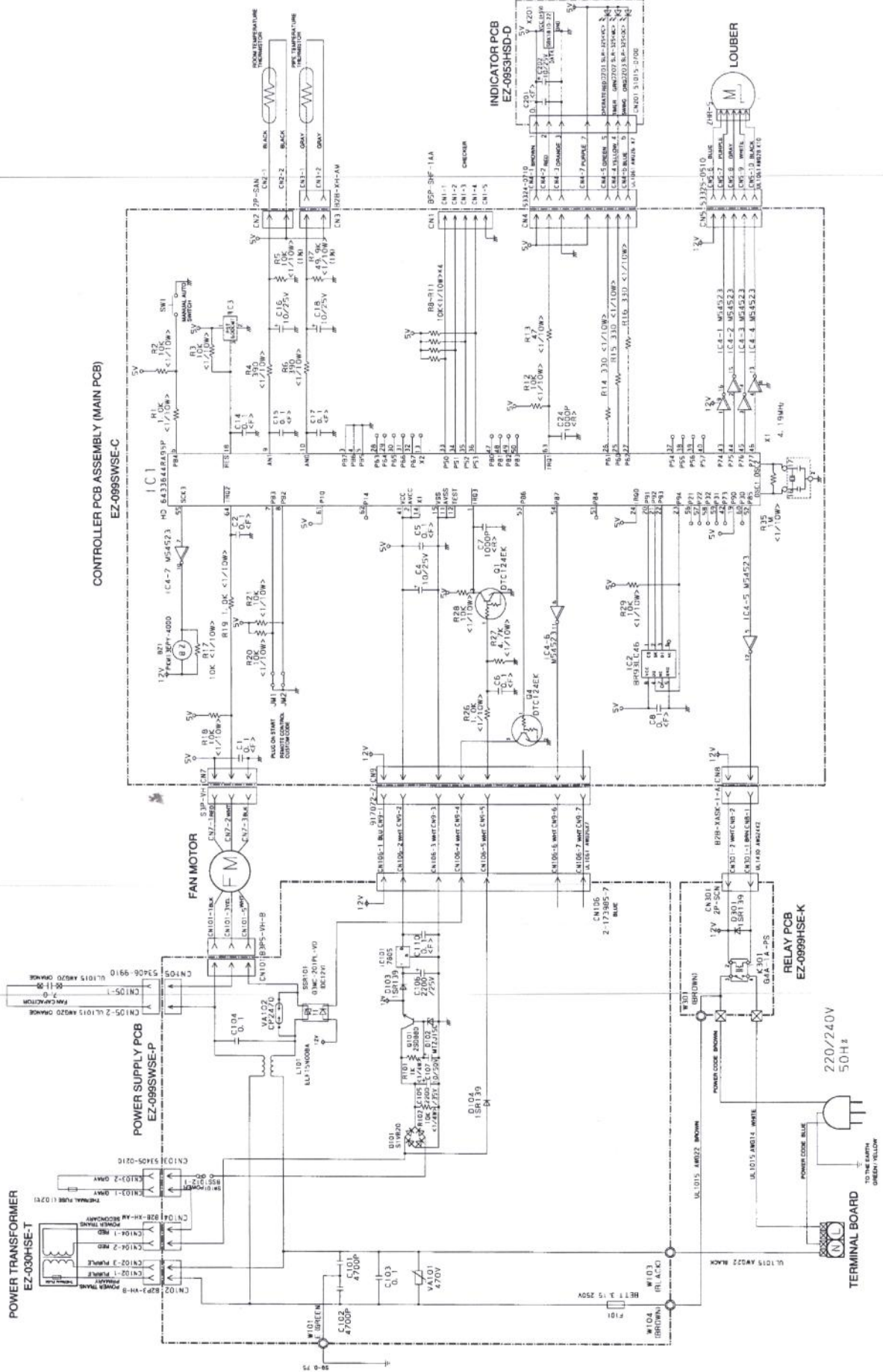


Models : RS-7UA / RO-7UA

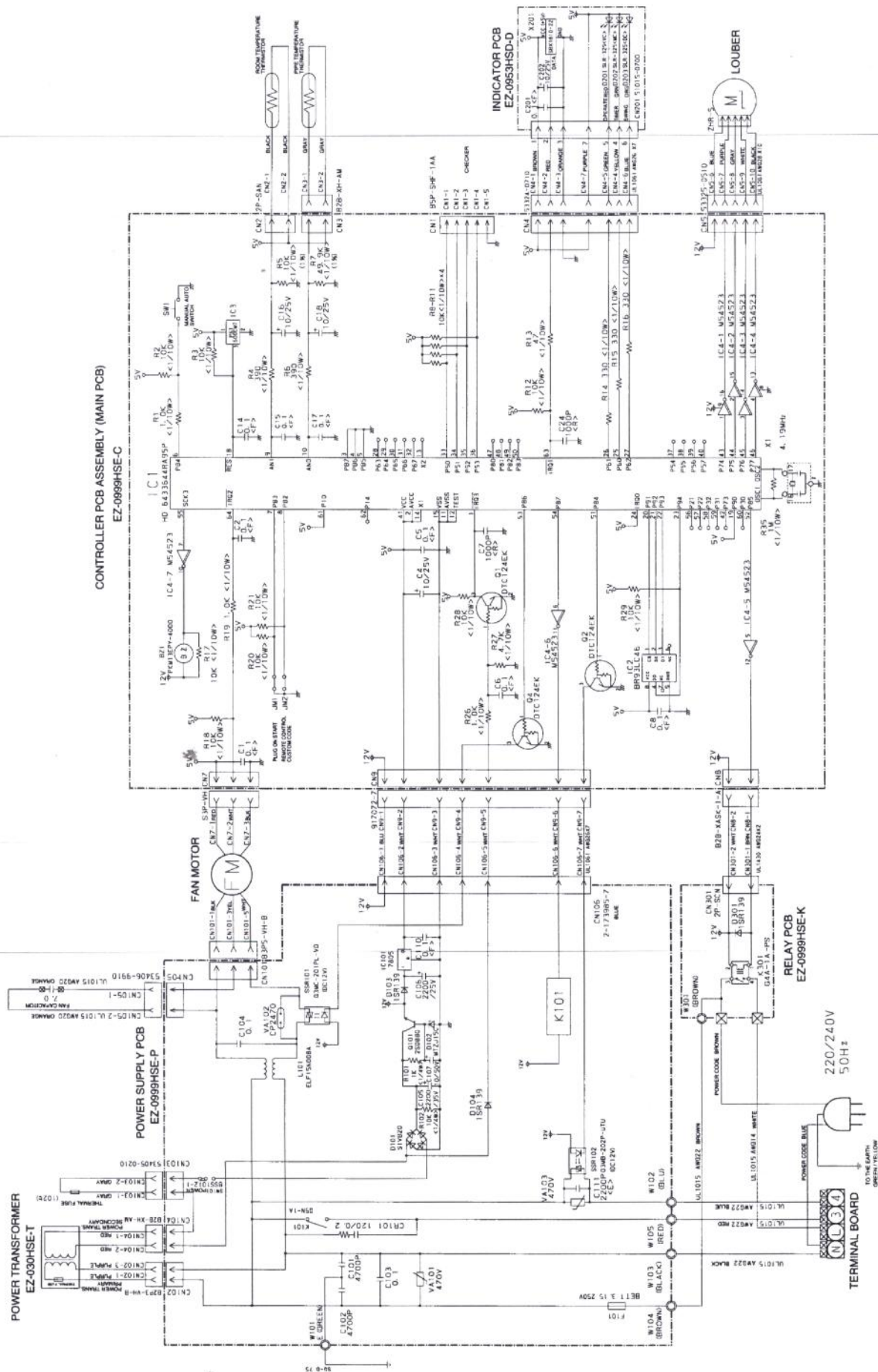


INDOOR PRINTED CIRCUIT BOARD CIRCUIT DIAGRAM

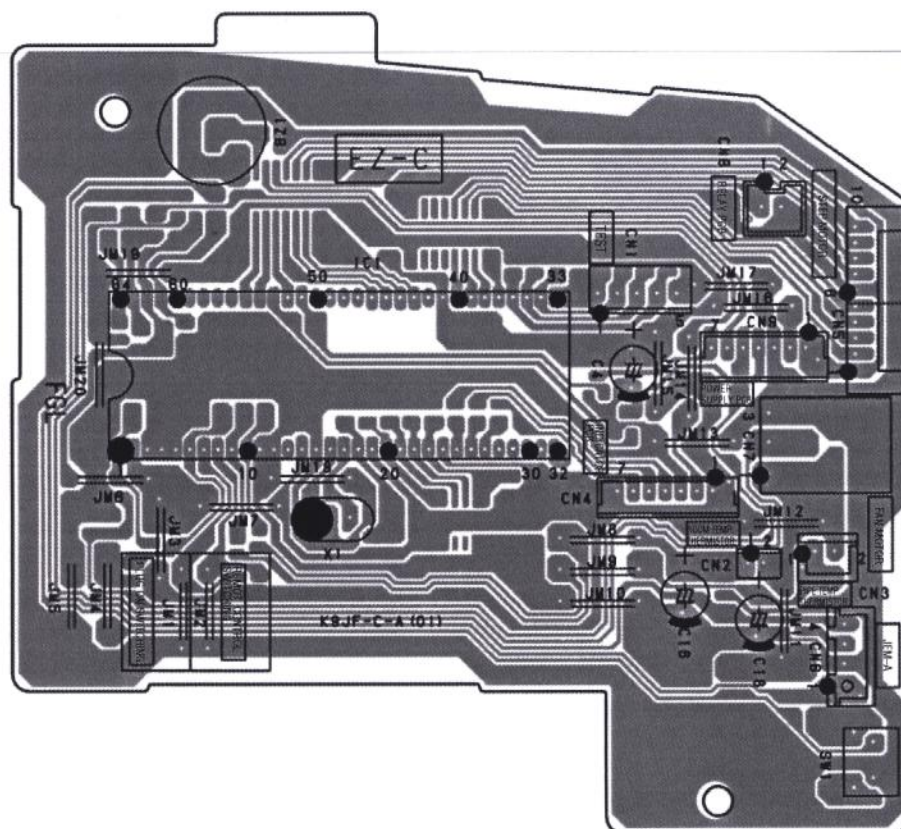
Model: RS-7FA



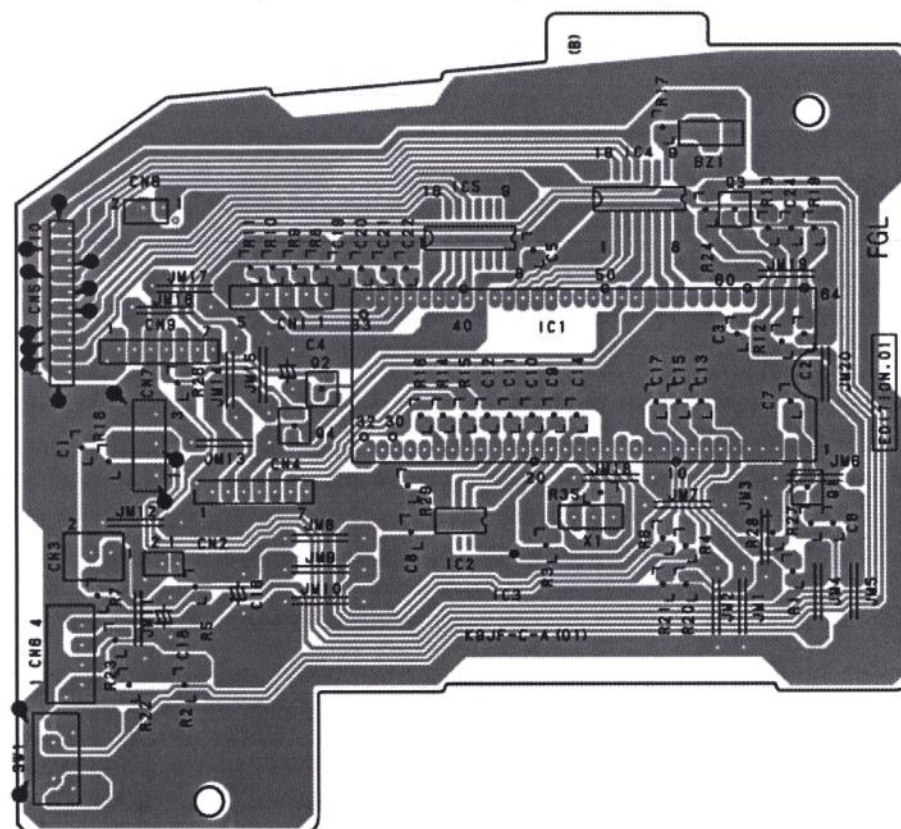
Model : RS-7UA



(Viewed from the solder side)

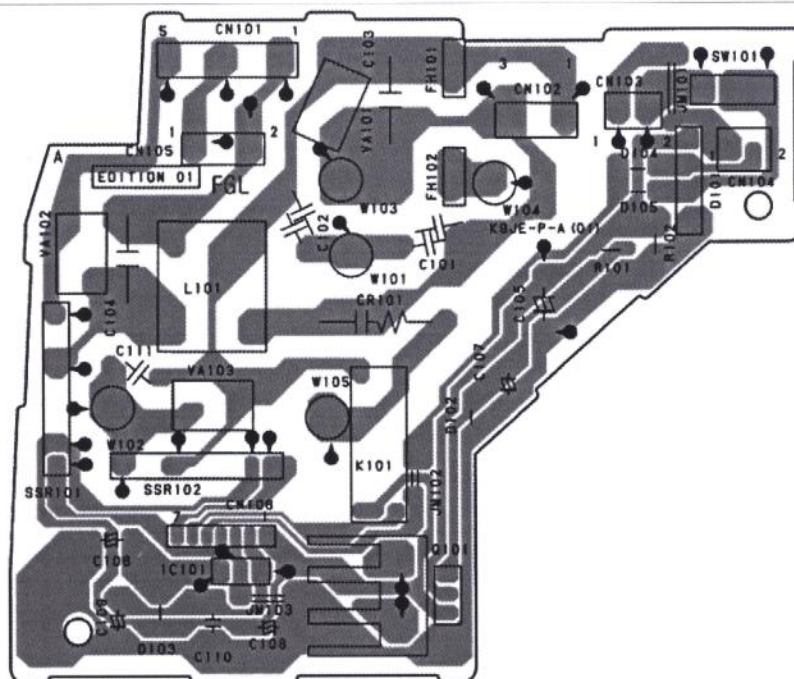


(Viewed from the component side)



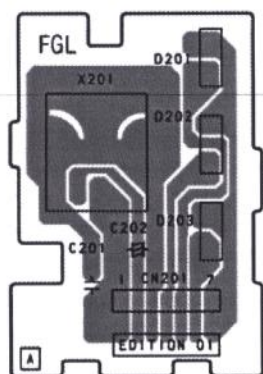
POWER SUPPLY P.C. BOARD LAYOUTS

(Viewed from the solder side)



INDICATOR P.C. BOARD LAYOUTS

(Viewed from the solder side)



(Viewed from the component side)

