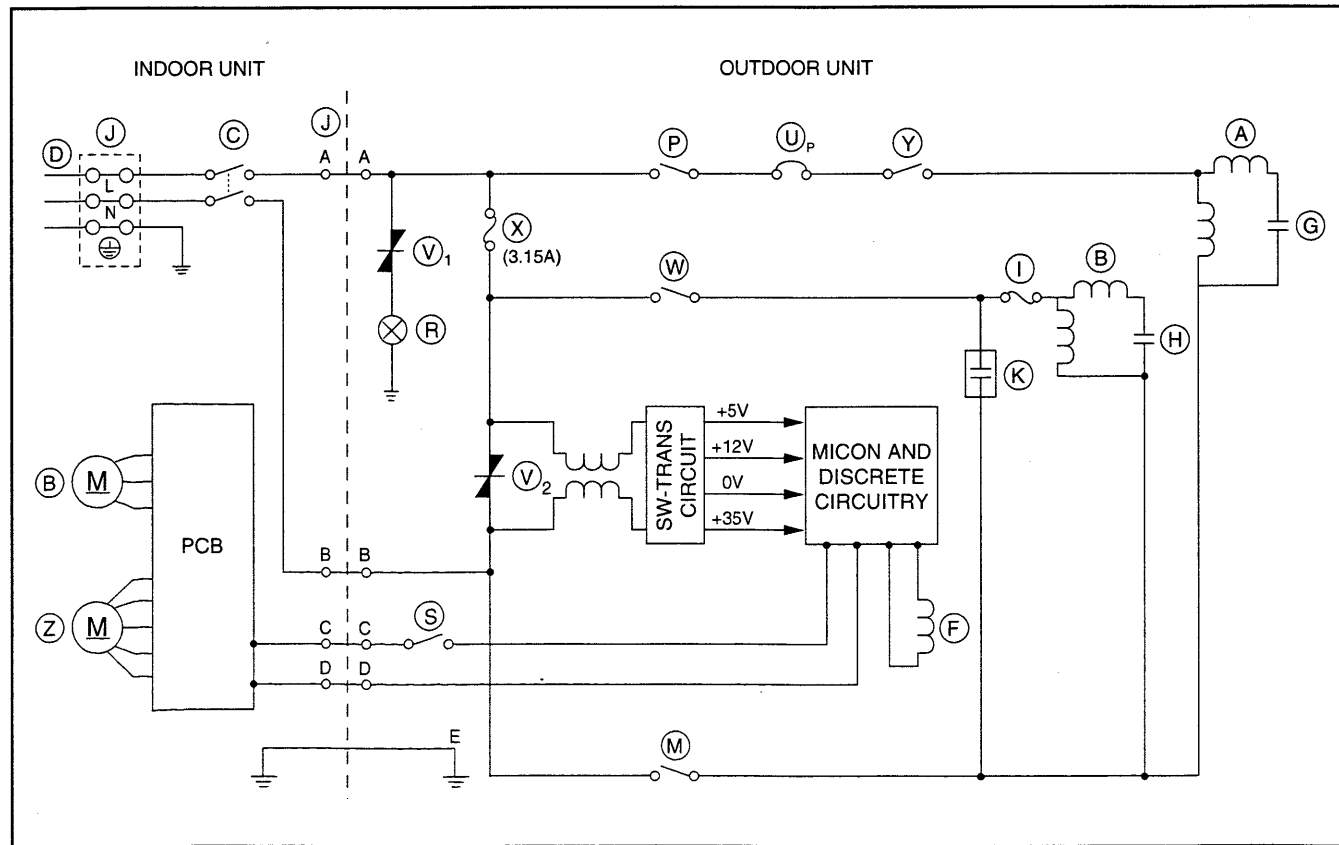


WIRING DIAGRAM

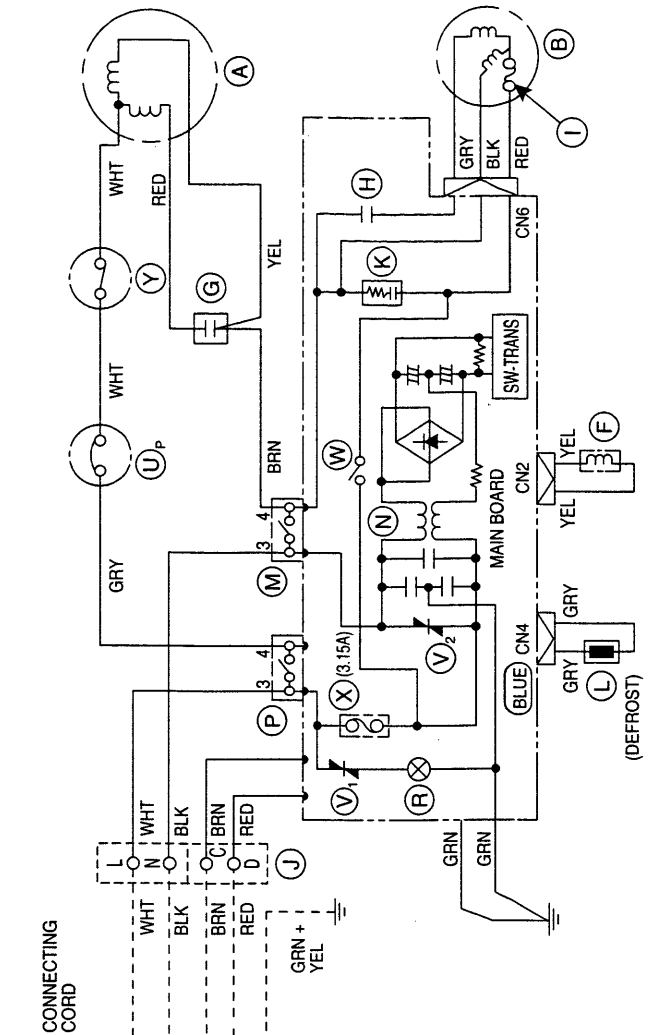
MODEL RAS-07CH1 / RAC-07CHV1

- | | |
|---|------------------------------------|
| (A) : COMPRESSOR | (L) : THERMISTOR |
| (B) : FAN MOTOR | (M) : STICK RELAY |
| (C) : POWER SWITCH | (N) : NOISE FILTER |
| (D) : LINE-CORD | (P) : POWER RELAY |
| (E) : THERMAL FUSE (FOR TERMINAL BOARD) | (R) : SURGE ASSORBER |
| (F) : REVERSING VALVE | (S) : INTERFACE RELAY |
| (G) : 30 μ F CAPACITOR | (U _p) : OVERLOAD RELAY |
| (H) : 1.5 μ F CAPACITOR | (V) : VARISTOR |
| (I) : FAN MOTOR PROTECTOR | (W) : OUTDOOR FAN RELAY |
| (J) : TERMINAL BOARD | (X) : FUSE |
| (K) : SPARK KILLER | (Y) : OVERHEAT RELAY |
| | (Z) : AUTO SWEEP MOTOR |

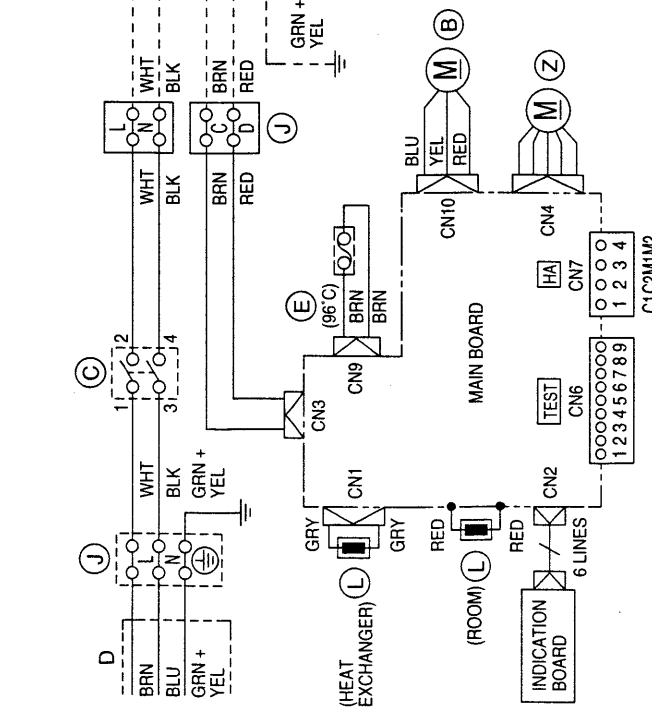
- | | | | |
|-------------|--------------|--------------|-------------|
| BLU : BLUE | YEL : YELLOW | BRN : BROWN | WHT : WHITE |
| GRY : GRAY | ORN : ORANGE | GRN : GREEN | RED : RED |
| BLK : BLACK | PNK : PINK | VIO : VIOLET | |



CONDENSING UNIT



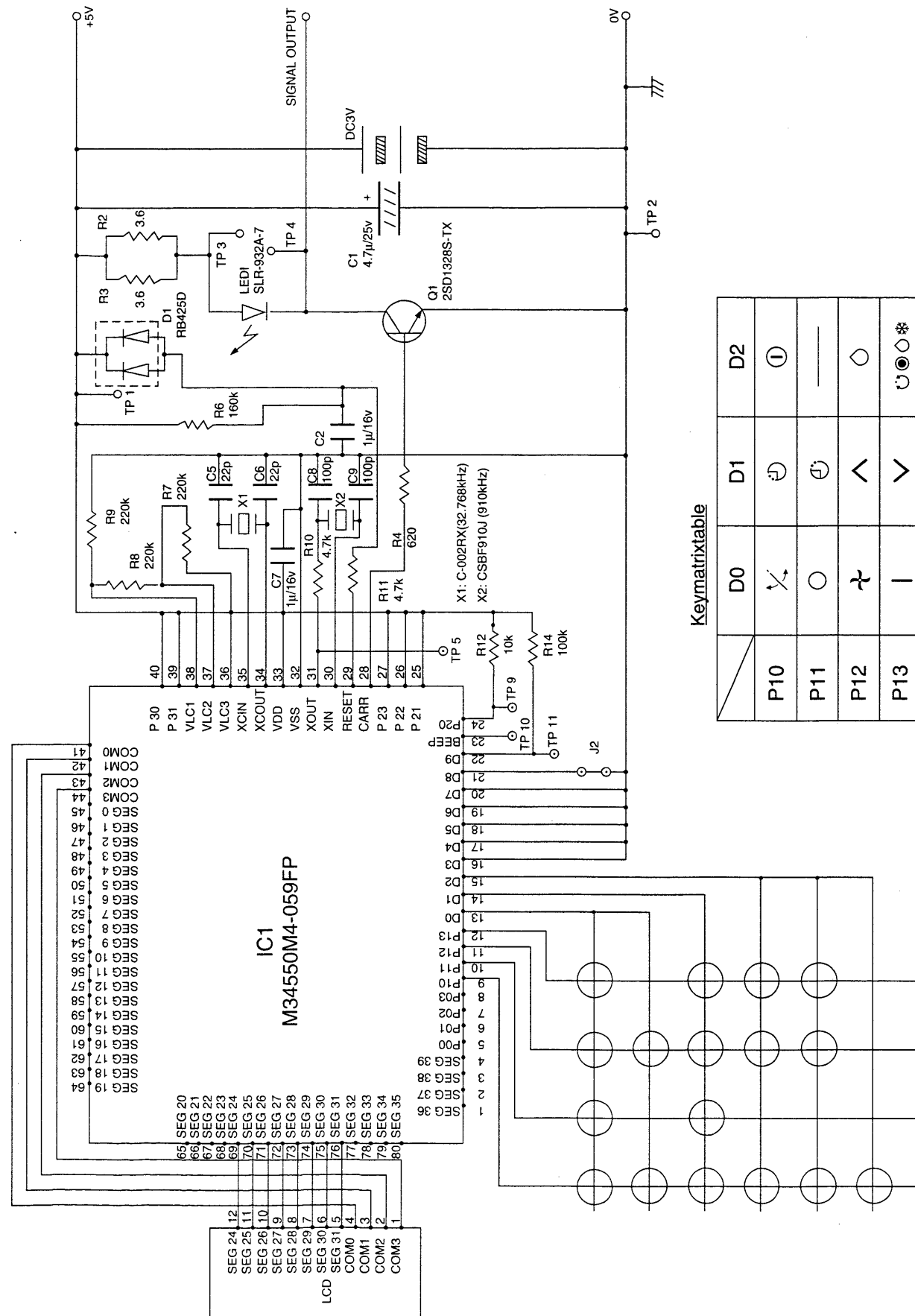
COOLING UNIT



WIRING DIAGRAM OF THE PRINTED WIRING BOARD

MODEL RAS-07CH1

Remote control switch (RAR-M0Z)



Keypress table

D0	↖	↙	↘	↗
P10	⊗	⊙	⊕	⊖
P11	○	⊖	⊕	⊗
P12	⊕	⊖	⊗	⊙
P13	⊖	⊕	⊙	⊗

MODEL RAS-07CH1

RESISTOR (Ω)

J *** ±5%, G *** ±2%, F *** ±1%,

SIGN	RATING VALUE		
	RESISTANCE (Ω)	TOLERANCE	POWER (W)
R101	1.0	J	1/4
R102	10K	G	1/10
R103	1.2K	G	1/10
R104	1.0	J	1/4
R201	10K	J	1/10
R202	10K	J	1/10
R203	2.7K	J	1/10
R204	5.1K	J	1/10
R205	1M	J	1/10
R206	10K	J	1/10
R208	5.1K	J	1/10
R209	10K	J	1/10
R210	12K	J	1/10
R211	12K	J	1/10
R302	1K	J	1/10
R303	10K	J	1/10
R304	62K	J	1/10
R305	27K	J	1/10
R306	15K	J	1/10
R307	1K	J	1/10
R308	12.7K	F	1/10
R309	1K	J	1/10
R310	12.7K	F	1/10
R311	1K	J	1/10
R312	10K	J	1/10
R401	390	J	1/10
R402	390	J	1/10
R403	390	J	1/10
R404	390	J	1/10
R405	5.1K	J	1/10
R406	5.1K	J	1/10
R407	10K	J	1/10
R408	10K	J	1/10
R409	10K	J	1/10
R410	10K	J	1/10
R601	10K	J	1/10
R603	10K	J	1/10
R606	10K	J	1/10
R607	10K	J	1/10
R608	1K	J	1/10
R609	1K	J	1/10
R610	1K	J	1/10
R611	10K	J	1/10
R702	390	J	1/10
R703	200	J	1/10
R705	1K	J	1/10
R709	1K	J	1/4
R710	1K	J	1/4
R801	3.3K	J	1/10
R802	1K	J	1/10
R810	5.1K	J	1/10
R811	5.1K	J	1/10

SIGN	RATING VALUE		
	RESISTANCE (Ω)	TOLERANCE	POWER (W)
R812	20	J	1/4
R813	20	J	1/4
R901	20K	F	1/10
R902	300	J	1/10
R903	2.21K	F	1/10
R904	2K	J	2
R905	2K	J	2
R906	1.5	J	1/4
R909	1.5	J	1/4
R910	1.5	J	1/4
R915	1.5	J	1/4
R920	3.3K	J	1/10
R921	3.3K	J	1/10
R930	1K	F	1/10
R931	8.25K	F	1/10
R932	5.1K	J	1/10

CAPACITOR
TYPE C *** CERAMIC CAPACITOR
D *** ELECTROLYTIC CAPACITOR
F *** FILM CAPACITOR

SIGN	RATING VALUE		
	CAPACITANCE (F)	VOLTAGE (V)	TYPE
C101	470μ	50	D
C102	150μ	35	D
C103	100μ	10	D
C104	0.1μ	25	C
C105	220P	50	C
C107	0.47μ	25	C
C108	0.022μ	50	C
C201	33μ	10	D
C202	0.047μ	25	C
C205	0.1μ	25	C
C206	0.1μ	25	C
C301	0.047μ	25	C
C302	0.047μ	25	C
C303	0.047μ	25	C
C401	0.047μ	25	C
C601	0.047μ	25	C
C701	33μ	10	C
C702	1000P	50	C
C801	3300P	50	F
C802	30P	50	C
C803	0.022μ	50	C
C804	0.01μ	50	C
C805	0.22μ	50	F
C806	150P	50	C
C807	0.22μ	50	F
C901	220μ	50	D
C933	10μ	16	C
C940	10μ	16	C
C942	0.1μ	25	C

TRANSISTOR

SIGN	MODEL
Q201	2SC2462LC
Q202	2SA1121SC
Q903	2SA1469S
Q904	2SC3624

DIODE

SIGN	MODEL
D101	G4DL-6140
D102	D1FS6
D201	HSM2838C
D401	HSM2838C
D403	HSM2836C
D901	D1FL20U
D902	LFB01

LED

SIGN	MODEL	COLOUR
LD702	SLR-332DC3F	ORANGE
LD703	SLR-332YC3F	YELLOW

ZENER DIODE

SIGN	MODEL
ZD201	RLZ24
ZD202	RLZ10
ZD701	RD5.1UJN2

INDUCTOR

SIGN	MODEL
L101	82μH, 1.3A
L102	560μH, 0.6A
L901	450μH, 1.5A

IC

SIGN	MODEL
REG1	IR3M03AN
REG2	MC7805CT
IC1	HD6433714
IC401	X24C01SI
IC501	ULN2003ANS
ICP	ICP-S0.5

OSCILLATOR

MODEL	EF0EC8004A4
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MODEL RAC-07CHV1

RESISTOR (Ω)

J *** ±5%, G *** ±2%, F *** ±1%,

SIGN	RATING VALUE		
	RESISTANCE (Ω)	TOLERANCE	POWER (W)
R100	-	-	-
R201	470K	J	1/4
R202	470K	J	1/4
R203	100K	J	2
R205	47	J	2
R206	47	J	2
R207	-	-	-
R209	33	J	2
R210	430	J	1/4
R211	-	-	-
R212	100	J	1/6
R213	330	J	1/6
R214	4.7K	J	1/6
R215	5.76K	F	1/6
R216	1.47K	F	1/6
R217	1.3K	J	2
R218	1.3K	J	2
R219	1.3K	J	2
R220	1.3K	J	2
R301	3.6K	J	1/6
R302	10K	J	1/6
R303	-	-	-
R304	100	J	1/6
R305	10K	J	1/6
R306	4.7K	J	1/6
R307	-	-	-
R308	5.9K	F	1/6
R309	10K	J	1/6
R310	5.1K	J	1/6
R311	100K	J	1/6
R312	1K	J	1/6
R313	1M	J	1/6
R314	680	J	1/6
R315	10K	J	1/6
R316	10K	J	1/6
R317	10K	J	1/6
R401	390	J	1/6
R402	390	J	1/6
R403	5.1K	J	1/6
R404	5.1K	J	1/6
R405	390	J	1/6
R406	390	J	1/6
R501	5.1K	J	1/6
R502	20	J	1/4
R503	20	J	1/4
R504	1K	J	1/6
R505	-	-	-
R601	2K	J	1/6
R602	10K	J	1/6

R701	3K	J	1/6
R702	10K	J	1/6
R703	5.1K	J	1/6
R704	2.7K	J	1/6
R705	5.1K	J	1/6
R802	2.2	J	5
R803	470K	J	1/2
R804	2.7K	J	1/6

CAPACITOR

TYPE C *** CERAMIC CAPACITOR
D *** ELECTROLYTIC CAPACITOR
F *** FILM CAPACITOR

SIGN	RATING VALUE		
	CAPACITANCE (F)	VOLTAGE (V)	TYPE
C201	4700P	1K	C
C202	-	-	-
C203	220P	1K	C
C204	0.056	50	F
C205	0.0047	50	F
C206	0.056	50	F
C207	2200P	250	C
C208	330	25	D
C209	100	10	D
C210	220	63	D
C211	4.7	50	D
C213	-	-	-
C301	0.047	25	C
C302	0.047	25	C
C303	0.047	25	C
C304	0.1	50	C
C305	0.1	50	C
C306	0.1	50	C
C307	0.01	25	C
C308	0.1	50	C
C401	0.1	50	C
C501	0.22	50	F
C502	0.022	50	F
C503	150P	50	C
C504	0.068	50	F
C505	0.22	50	F
C506	0.01	AC250	C
C507	0.01	AC250	C
C508	4700P	50	C
C509	0.0047	50	F
C701	33	6.3	D
C801	0.56	AC250	F
C802	0.01	AC400	C
C803	0.01	AC400	C
C804	100	450	D
C806	-	-	-
C807	-	-	-
C901	1.5	400	F

TRANSISTOR

SIGN	MODEL
Q201	2SC4300
Q202	2SC2655
Q601	2SD2019
Q701	2SC458
Q702	2SA673

DIODE

SIGN	MODEL
D201	ERB4408
D202	1SS120
D203	1SS120
D204	-
D205	RMPG06G
D206	-
D207	YG902C2
D401	1SS120
D402	1SS120
D403	1SS120
D404	1SS120
D601	1SS120

LED

SIGN	MODEL
LD801	RED

ZENER DIODE

SIGN	MODEL
ZD201	HZS2B2TA
ZD701	HZ7B2

INDUCTOR

SIGN	MODEL
L501	82μH
L801	EXCELSA35V

IC

SIGN	MODEL
REG1	MC7805CT
IF-HIC	IF-MODULE
MICON	AX-8G10
REG2	HA17431PA
IC2	ULN2003A
PQ8	PC817C
IC401	EEPROM

OSCILLATOR

FREQUENCY	MODEL
	4MHz

MODEL RAS-07CH1

