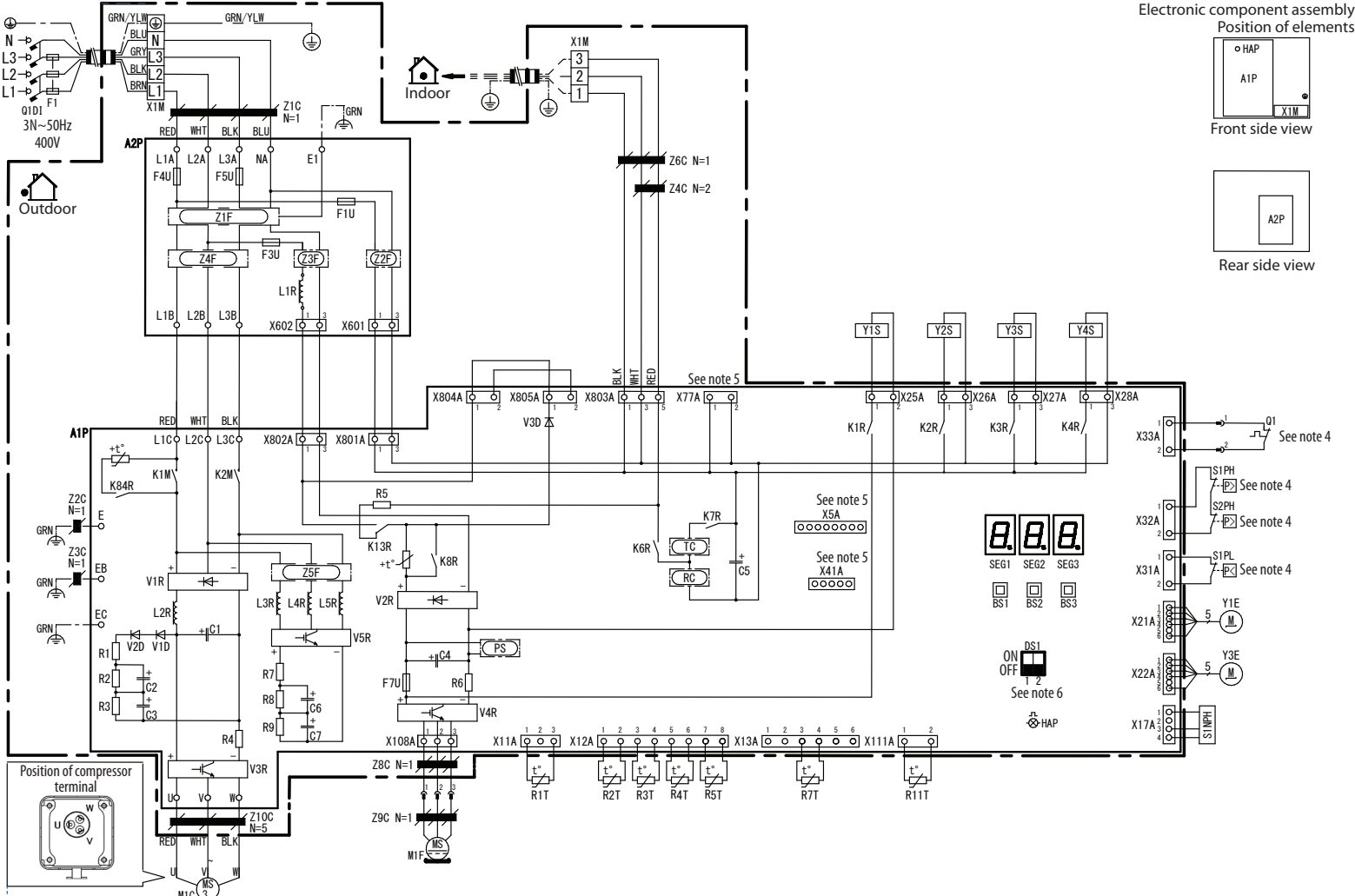


ERRA08-12EW1



A1P	Printed circuit board (main)
A2P	Printed circuit board (noise filter)
BS1~BS3 (A1P)	Push-button switch
C1 ~ C7 (A1P)	Capacitor
DS1 (A1P)	DIP switch
F1	Field fuse (supply supply)
F1U, F3U (A2P)	Fuse (T 6.3A / 250V)
F4U, F5U (A2P)	Fuse (30 / 500V)
F7U (A1P)	Fuse (T 5.0A / 250V)
HAP (A1P)	Light-emitting diode (service monitor is green)
K1R (A1P)	Magnetic relay (Y1S)
K2R (A1P)	Magnetic relay (Y2S)
K3R (A1P)	Magnetic relay (Y3S)
K4R (A1P)	Magnetic relay (Y4S)
K6R ~ K84R (A1P)	Magnetic relay
K1M ~ K2M (A1P)	Magnetic contactor
K13R~K15R (A1P, A2P)	Magnetic relay
L1R ~ L5R (A1P,A2P)	Reactor
M1C	Motor (compressor)
M1F	Motor (fan)
PS (A1P)	Switching power supply
Q1DI	Earth leakage circuit breaker (30mA) (field supply)
Q1	Thermal overcurrent protector
R1 ~ R9 (A1P)	Resistor
R1T	Thermistor (ambient)
R2T	Thermistor (discharge)
R3T	Thermistor (suction)
R4T	Thermistor (heat exchanger liquid pipe)
R5T	Thermistor (heat exchanger middle)
R7T	Thermistor (injection)
R11T	Thermistor (fin)
RC (A2P)	Signal receiver circuit
S1NPH	High pressure sensor
S1PH~S2PH	High pressure switch
S1PL	Low pressure switch
SEG* (A1P)	7-segment display
TC (A1P)	Signal transmission circuit
V1D~V3D (A1P)	Diode
V1R ~ V2R (A1P)	Diode module
V3R ~ V5R (A1P)	IGBT power module
X1M	Terminal strip

Y1E	Electronic expansion valve (main - black)
Y3E	Electronic expansion valve (injection - blue)
Y1S	Solenoid valve (4-way valve)
Y2S	Solenoid valve (low pressure bypass)
Y3S	Solenoid valve (hot gas bypass)
Y4S	Solenoid valve (liquid injection)
Z1C~Z10C	Noise filter (ferrite core)
Z1F~Z5F (A1P, A2P)	Noise filter

NOTES

1. L : Live
⊕ : Protective earth
[] : Field wiring
[] : Terminal strip
[] : Connector
2. Colours: BLK: black, RED: red, BLU: bleu, WHT: white, GRN: green, YLW: yellow, PNK: pink, ORG: orange, GRY: grey, BRN: brown
3. This wiring diagram applies only to the outdoor unit.
4. When operating, do not short-circuit protection device Q1, S1PH, S2PH and S1PL.
5. Refer to the combination table and the option manual for how to connect the wiring to X5A, X77A, X41A.
6. The factory setting of DIP switch DS1.1 is OFF.

Electronic component assembly
Position of elements

