



Notes

- This wiring diagram only applies to the compressor module switchbox
- L: Live N:Neutral : Field wiring
- : Terminal strip : Connector : Connection : Protective earth (screw)
: Noiseless earth : Terminal
- NOT APPLICABLE
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- Do not operate the unit by short-circuiting protection device S1PH
- Colors: BLK: black, RED: red, BLU: blue, YLW: yellow, ORG: orange, BRN: brown, GRN: green
- Confirm the method of setting the selector switches (DS1) by service manual. Factory setting of all switches: "OFF".

A1P	Printed circuit board (Main)	Q1DI	Field earth leakage breaker (300mA)
A2P	Printed circuit board (INV)	R1	Resistor
A3P	Printed circuit board (Noise filter)	R2	Resistor
A4P	Printed circuit board	R1T	Thermistor (Air)
BS1-BS4	Push button switch	R2T	Thermistor (Discharge)
C1-C4	Capacitor	R3T	Thermistor (Suction)
DS1	DIP switch	R4T	Thermistor (Heat exchanger)
E1HC	Crankcase heater	R5T	Thermistor (heat exchanger middle)
F1U, F3U, F4U	Fuse (T 6.3A/250V)	R6T	Thermistor (Liquid)
F6U	Fuse (T 5.0A/250V)	RC	Signal receiver circuit
H1P-7P (A2P)	Light Emit. Diode (Serv. Monitor-Orange)	R10T	Thermistor (Fin)
	Prepare, Test	S1NPH	Pressure sensor
	Malfunction Detection - Light up	S1PH	Pressure switch (High)
HAP (A1P)	Light emitting diode (service monitor green)	TC	Signal transmission circuit
K1R	Magnetic relay (Y1S)	V1R	Power module
K4R	Magnetic relay (E1HC)	V2R, V3R	Diode module
K10R	Magnetic relay	V1T	IGBT
K11R	Magnetic relay	X1M	Terminal strip (Power supply)
L1R	Reactor	Y1E	Electronic expansion valve
M1C	Motor (Compressor)	Y1S	Solenoid valve (4 way valve)
M1F	Motor (Fan) (upper)	Z1C-Z3C	Noise filter (ferrity core)
M2F	Motor (Fan) (lower)	Z1F-Z4F	Noise filter
PS	Switching power supply		

Option

Wiring dependent on model

