

LEGEND

* :	Optional				
# :	Field supply				
A1P	: Main PCB	M1P	: Main supply pump	FU2(PCB2)	: Fuse
A2P	: Current loop PCB	M2P	# : Domestic hot water pump	Z1C–Z4C	: Ferrite core
A3P	* : ON/OFF thermostat (PC=Power circuit)	M3S	: 3 way valve for domestic hot water	Y1E	: Electronic expansion valve coil
A3P	* : Heat pump convactor	M4S	* : 3 way valve	V2, V3, V401	: Varistor
A4P	* : Extension PCB (Control, Output)	Q*DI	# : Earth leakage circuit breaker	SA1	: Surge arrester
A5P	: User interface PCB	Q1L	* : Thermal protector backup heater	FU1,FU3(PCB1)	: Fuse
A7P	* : Receiver PCB (wireless ON/OFF thermostat)	Q2L/Q3L	* : Thermal protector booster heater	S1NPH	: Pressure sensor
DS1(A4P)	* : Dipswitch	R1T (A1P)	: Outlet water heat exchanger thermistor	S1PH	: Pressure switch (high)
B1L	: Flow sensor	R1T (A5P)	: Ambient sensor user interface	R1T(PCB1)	: Thermistor (Discharge)
E1H	: Backup heater element (1 kW)	R1T (A3P)	* : Ambient sensor ON/OFF thermostat	R2T(PCB1)	: Thermistor (heat exchanger)
E2H	: Backup heater element (2 kW)	R2T	* : Outlet backup heater thermistor	R3T(PCB1)	: Thermistor (air)
E3H	: Backup heater element	R2T (A3P)	* : External sensor (floor or ambient)	S2–S503	: Connector
E4H	: Booster heater (3 kW)	R3T (A1P)	: Refrigerant liquid side thermistor	LED A, LED B	: Pilot lamp
E6H	: PHE heater tape	R4T (A1P)	: Inlet water thermistor	IPM1	: Intelligent power module
E7H	: Expansion vessel heater	R5T	* : Domestic hot water thermistor	SW1, SW3	: Push buttons
F1B	* : Overcurrent fuse backup heater	R6T (A1P)	* : external outdoor ambient thermistor	SW2, SW5	: Dip switches
F2B	* : Overcurrent fuse booster heater	R6T (A4P)	* : External indoor ambient thermistor	C110–C112	: Capacitor
F1T,F2T	* : Thermal fuse backup heater	R1H (A3P)	* : Humidity sensor	LED 1–4	: Indication lamps
FU1 (A1P)	: Fuse T 6,3A 250 V	S1L	: Flow switch	Q1L(PCB1)	: Overload protector
FU2 (A1P)	: Fuse T 6,3A 250 V	S1S	# : Preferential kWh rate power supply contact	DB1, DB2, DB401	: Rectifier bridge
F1U (A4P)	: Fuse T 2A 250 V	S1P	# : digital power limitation input 1	Y1R	: Reversing solenoid valve coil
F2U (A4P)	: Fuse T 2A 250 V for 3 way valve	S2P	# : digital power limitation input 2	Sheet metal	: Terminal strip fixed plate
K1R	* : relay backup heater (Step 1)	S3P	# : digital power limitation input 3	MRM*, MR30,	
K2R	* : relay backup heater (Step 2)	S4P	# : digital power limitation input 4	MR4, MR306,	
K1M	* : Contactor backup heater (Step 1)	S5P-S6P	# : electrical meters	MR307	: Magnetic relay
K2M	* : Contactor backup heater (Step 2)	TR1	: Power supply transformer	MR30_A, DP1, E1,	
K3M	* : contactor BSH	X*M	: Terminal strip	MR30_B, DP2, E2,	
K5M	* : Safety contactor BUH (only *9W)	X*Y	: Connector	DC_P1, DC_P2,	
K*R	: Relay on PCB	PCB1	: Main PCB	DCP1,DC_N1,	
K1A	: relay for heating	PCB2	: inverter PCB	DC_N2, HN402,	
K2A	: relay for cooling	PCB3	: service PCB	HL402, DCP2,	
				DCM1, DCM2	: Connector
				M1C	: Compressor motor
				M1F	: Fan motor