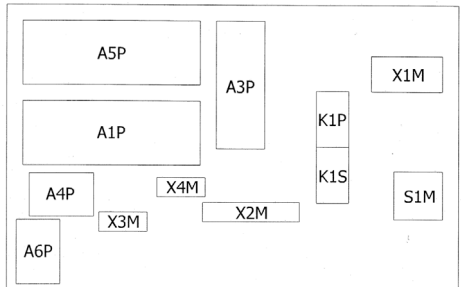


Part number	Description
A1P	Main PCB (master)
A2P	User interface PCB
A3P	Control PCB
A4P	* Demand PCB
A5P	Main PCB (slave)
A6P	* Demand PCB
A7P	* Remote user interface PCB
C1-C3	Filter capacitor
E1H	Switch box heater
E2H	Plate heat exchanger heater (Circuit 1)
E3H	Plate heat exchanger heater (Circuit 2)
E4H	Water piping heater
E5H	Expansion vessel heater
F1-F2	Fuse (F, 1A, 250V)
F1U (A*P)	Fuse (T, 3.15A, 250V)
HAP (A*P)	PCB LED
K11E	Electronic expansion valve (Circuit 1)
K21E	Electronic expansion valve (Circuit 2)
K1P	Pump contactor
K1S	Pump overcurrent relay
K*R (A3P)	PCB relay
M1P	Pump
PS (A*P)	Switching power supply
Q1DI	# Earth leakage circuit breaker
Q1T	Thermostat for expansion vessel heater
R11T	Leaving water thermistor (Circuit 1)
R12T	Returning water thermistor (Circuit 1)
R13T	Refrigerant liquid thermistor (Circuit 1)
R14T	Refrigerant gas thermistor (Circuit 1)
R21T	Leaving water thermistor (Circuit 2)

R22T		Returning water thermistor (Circuit 2)
R23T		Refrigerant liquid thermistor (Circuit 2)
R24T		Refrigerant gas thermistor (Circuit 2)
S1L		Flow switch (Circuit 1)
S2L		Flow switch (Circuit 2)
S1M		Main switch
S1S	#	Thermostat input 1
S2S	#	Thermostat input 2
S3S	#	Operation ON input
S4S	#	Operation OFF input
SS1 (A1P, A5P)		Selector switch (emergency)
SS1 (A2P)		Selector switch (main/sub)
SS1 (A7P)	*	Selector switch (main/sub)
V1C-V2C		Ferrite core noise filter
X1M-X4M		Terminal strip
X801M (A*P)	*	PCB terminal strip
Z1F-Z2F (A*P)		Noise filter

* : Field installed option # : Field supplied

Switchbox layout:



NOTES

- X1M: Terminal; X2M: Field wiring terminal for high voltage; X3M: Field wiring terminal for low voltage; X4M: Factory wiring terminal for low voltage
- : Earth wiring; - - - - -: Field supply; []: Option; []: Wiring depending on model; []: Not mounted in switch box; []: PCB; -*/12.2: Connection ** continues on page 12 column 2; ① Several wiring possibilities
- User installed options:
 - EKRUAH* = Remote user interface
 - 1x EKRP1AHT* = Demand PCB (only for EW*Q(16-32)BAW*)
 - 2x EKRP1AHT* = Demand PCB's (only for EW*Q(40-64)BAW*)