

NOTES TO GO THROUGH BEFORE STARTING THE UNIT

- X1M : Main terminal
- X2M : Field wiring terminal for AC
- X5M : Field wiring terminal for DC
- : Earth wiring
- : Field supply
- 15

 : Wire number 15
- **/12.2

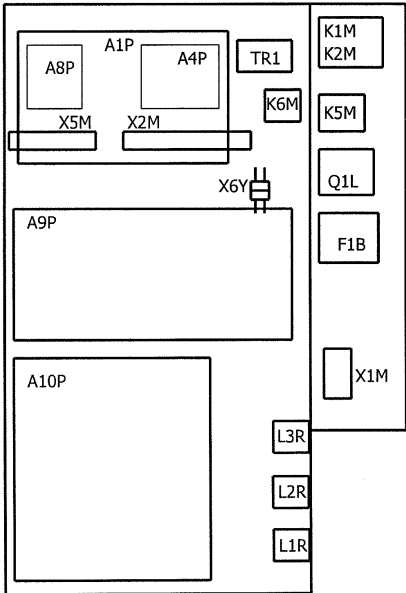
 : Connection ** continues on page 12 column 2
- 1

 : Several wiring possibilities

- : Option
- : Wiring depending on model
- : Not mounted in switchbox
- : PCB

- User installed options:
- ☐ Remote user interface
- ☐ Ext. indoor thermistor
- ☐ Digital I/O PCB
- ☐ Demand PCB
- Main LWT:
- ☐ ON/OFF thermostat (Wired)
- ☐ ON/OFF thermostat (Wireless)
- ☐ Ext. Thermistor
- ☐ Heat pump convector
- Add LWT:
- ☐ ON/OFF thermostat (Wired)
- ☐ ON/OFF thermostat (Wireless)
- ☐ Ext. Thermistor
- ☐ Heat pump convector

POSITION IN SWITCHBOX



LEGEND

- * : Optional
- # : Field supply
- A1P : Main PCB (hydro)
- A2P : User interface PCB
- A3P * : ON/OFF thermostat
- A3P * : Heat pump convector
- A4P * : Digital I/O PCB
- A4P * : Receiver PCB
- (wireless ON/OFF thermostat, PC=power circuit)
- A8P * : Demand PCB
- A9P : Main PCB (Refrigerant, brine)
- A10P : Main PCB (Inverter)
- B1L : Flow sensor
- B1PH : High pressure sensor
- BS1~BS4 : Push button
- C1~C4 : Capacitor
- CN* (A4P) * : Connector
- DS1 (A8P) * : Dipswitch
- DS1 (A9P) : Dipswitch
- DS1 (A10P) : Dipswitch
- E1H : Backup heater element (1 kW)
- E2H : Backup heater element (2 kW)
- F1B : Overcurrent fuse backup heater
- F1U,F2U (A4P) * : Fuse (5A, 250V)
- F1U,F2U (A9P) : Fuse (35.5A, 500V)
- F3U~F6U (A9P) : Fuse (T, 6.3A, 250V)
- F1U (A1P) : Fuse (T, 6.3A, 250V)
- H1P~H7P : LED
- HAP : LED
- K1E : Electronic expansion valve
- K1M, K2M : Contactor backup heater
- K5M : Safety contactor BUH
- K6M : Relay
- K*R : Relay on PCB
- L1R~L3R : Reactor
- L5R : Reactor transmission line
- M1C : Motor (compressor)
- M1P : main water supply pump
- M2P # : Domestic hot water pump
- M3P : Brine supply pump
- M2S # : Shut off valve
- M3S : 3 way valve for floorheating/domestic hot water tank
- PS : Switching power supply
- Q*DI # : Earth leakage circuit breaker
- Q1L : Thermal protector backup heater
- R1 : Resistor
- R1T (A1P) : Outlet water heat temperature sensor (LWC)
- R1T (A2P) : Ambient sensor user interface
- R1T (A3P) * : Ambient sensor ON/OFF thermostat
- R1T (A9P) : Ambient air sensor
- R2T (A1P) : After BUH temperature sensor
- R2T (A3P) * : External sensor (floor or ambient)
- R2T (A9P) : Discharge sensor
- R3T (A1P) : Refrigerant liquid temperature sensor
- R3T (A9P) : Suction sensor
- R4T (A1P) : Inlet water temperature sensor (EWC)
- R4T (A9P) : 2 phase sensor (Tx)
- R5T (A1P) : DHW tank temperature sensor
- R5T (A9P) : Brine entering water
- R6T (A1P) * : External indoor ambient thermistor
- R6T (A9P) : Brine leaving water
- R10T : Heat sink thermistor
- R1H (A3P) * : Humidity sensor
- S1L : Brine flow switch
- S1PH : High pressure switch
- S1S # : Preferential kWh rate power supply contact
- S2S # : Electrical meter pulse input 1
- S3S # : Electrical meter pulse input 2
- S6S~S9S # : Digital power limitation inputs
- SS1 (A4P) * : Selector switch
- TR1 : Power supply transformer
- V1R, V2R : IGBT power module
- X*H : Backup heater connector
- X*M : Terminal strip
- X*Y : Connector
- Z1C~Z6C : Noise filter (ferite core)
- Z1F~Z5F : Noise filter