

EHBH-D6V

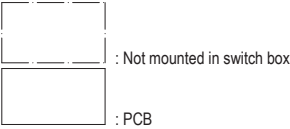
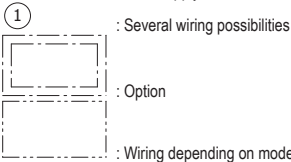
EHBH-D9W

EHBX-D6V

EHBX-D9W

NOTES to go through before starting the unit

- X1M : Main terminal
- X2M : Field wiring terminal for AC
- X5M : Field wiring terminal for DC
- X6M : BUH Power supply terminal
- X7M, X8M : BSH Power supply terminal
- : Earth wiring
- - - - - : Field supply

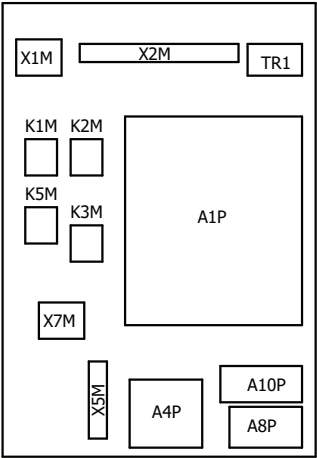


Note 1 : Connection point of the power supply for the BUH/BSH should be foreseen outside the unit.

- Backup heater power supply
- ☐ 3V (1N~, 230V, 3kW)
 - ☐ 6T1 (3~, 230V, 6kW)
 - ☐ 6V (1N~, 230V, 6kW)
 - ☐ 6WN/9WN (3N~, 400V, 6/9kW)
- User installed options:
- ☐ LAN adapter
 - ☐ Domestic hot water tank
 - ☐ Remote user interface
 - ☐ Ext. indoor thermistor
 - ☐ Ext. outdoor thermistor
 - ☐ Digital I/O PCB
 - ☐ Demand PCB

- Main LWT:
- ☐ ON/OFF thermostat (wired)
- ON/OFF thermostat (wireless)
- ☐ Ext. thermistor
- ☐ Heat pump convactor
- Add LWT:
- ☐ ON/OFF thermostat (wired)
- ON/OFF thermostat (wireless)
- ☐ Ext. thermistor
 - ☐ Heat pump convactor

POSITION IN SWITCH BOX



LEGEND

Part n°	Description
A1P	main PCB
A2P	* ON/OFF thermostat (PC=power circuit)
A3P	* heat pump convactor
A4P	* digital I/O PCB
A8P	* demand PCB
A9P	status indicator
A10P	MMI PSU PCB
A11P	MMI main PCB
A12P	MMI display PCB
A13P	* LAN adapter
A14P	* user interface PCB
A15P	* receiver PCB (wireless ON/OFF thermostat)
B1L	flow sensor
B1PR	refrigerant pressure sensor
B1PW	water pressure sensor
BSK (A3P)	solar pump station relay
CN* (A4P)	* connector
DS1 (A8P)	* dipswitch
E1H	backup heater element (1 kW)
E2H	backup heater element (2 kW)
E3H	backup heater element (3 kW)
E4H	* booster heater (3 kW)
E*P (A9P)	indication LED
F1B	# overcurrent fuse backup heater
F2B	# overcurrent fuse booster heater
F1T	thermal fuse backup heater
F1U, F2U (A4P)	* fuse 5 A 250 V for digital I/O PCB
FU1 (A1P)	fuse T 6.3 A 250 V for PCB
FU2 (A10P)	fuse T 1.6 A 250 V for PCB
K1M, K2M	contactor backup heater
K3M	* contactor booster heater
K5M	safety contactor BUH
K*R (A1P-A4P)	relay on PCB
M1P	main supply pump
M2P	# domestic hot water pump
M2S	# 2 way valve for cooling mode

Part n°	Description
M3S	* 3 way valve for floorheating/domestic hot water
P1M	MMI display
PC (A15P)	* power circuit
PHC1 (A4P)	* optocoupler input circuit
Q1L	thermal protector backup heater
Q2L	* thermal protector booster heater
Q4L	# safety thermostat
Q*DI	# earth leakage circuit breaker
R1H (A2P)	* humidity sensor
R1T (A1P)	outlet water heat exchanger thermistor
R1T (A2P)	* ambient sensor ON/OFF thermostat
R1T (A14P)	* ambient sensor user interface
R2T (A1P)	outlet backup heater thermistor
R2T (A2P)	* external sensor (floor or ambient)
R3T	refrigerant liquid side thermistor
R4T	inlet water thermistor
R5T	domestic hot water thermistor
R6T	* external indoor or outdoor ambient thermistor
S1S	# preferential kWh rate PS contact
S2S	# electrical meter pulse input 1
S3S	# electrical meter pulse input 2
S6S-S9S	* digital power limitation inputs
SS1 (A4P)	* selector switch
SW1-2 (A12P)	turn buttons
SW3-5 (A12P)	push button
TR1	power supply transformer
X6M	# BUH power supply terminal strip
X6M	* BSH power supply connector
X7M, X8M	BSH power supply terminal strip
X*, X*A, J*X*Y*, Y*	connector
X*M	terminal strip

* : optional # : field supply