

NOTES to go through before starting the unit

- X1M

: Main terminal
- X2M

: Field wiring terminal for AC
- X5M

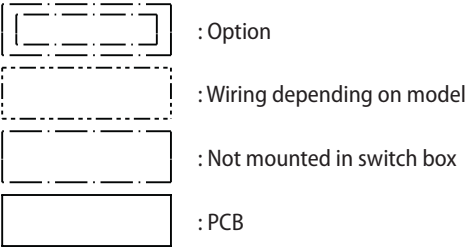
: Field wiring terminal for DC
- X6M

: BUH Power supply terminal
- X10M

: Smartgrid terminal
-

: Earth wiring
- : Field supply
- 1

: Several wiring possibilities



NOTES

1. Connection point of the power supply for the BUH should be foreseen outside the unit.

- Backup heater power supply

☐ 6T1 (3~, 230V, 6kW)

☐ 6V3 (1N~, 230V, 6kW)

☐ 6WN/9WN (3N~, 400V, 6/9kW)
- User installed options:

☐ LAN adapter

☐ Remote user interface

☐ Ext. indoor thermistor

☐ Ext. outdoor thermistor

☐ Digital I/O PCB

☐ Demand PCB

☐ Safety thermostat

☐ Smartgrid kit

☐ WLAN adapter module

☐ WLAN cartridge

☐ Bizone mixing kit
- Main LWT:

☐ ON/OFF thermostat (wired)

☐ ON/OFF thermostat (wireless)

☐ Ext. thermistor
- Heat pump convector
- Add LWT:

☐ ON/OFF thermostat (wired)

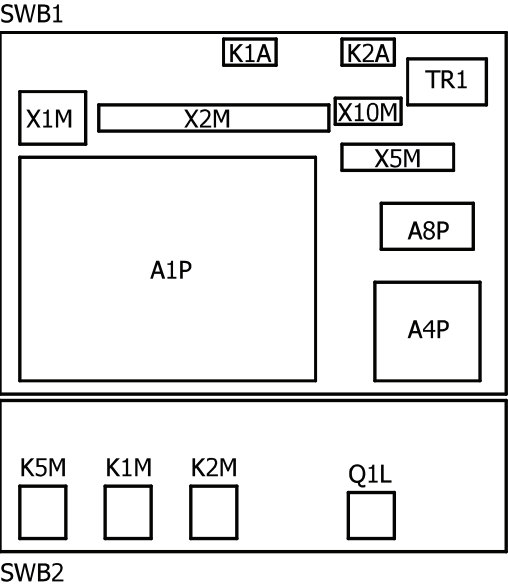
☐ ON/OFF thermostat (wireless)

☐ Ext. thermistor
- Heat pump convector

LEGEND

Part n°	Description
A1P	main PCB
A2P	* ON/OFF thermostat (PC=power circuit)
A3P	* heat pump convector
A4P	* digital I/O PCB
A8P	* demand PCB
A9P	status indicator
A11P	MMI main PCB
A13P	* LAN adapter
A14P	* user interface PCB
A15P	* receiver PCB (wireless ON/OFF thermostat)
A20P	* WLAN module
A30P	* Bizone mixing kit PCB
B2L	pulse type flow sensor
B1PW	water pressure sensor
CN* (A4P)	* connector
DS1 (A8P)	* dipswitch
E1H	backup heater element (1 kW)
E2H	backup heater element (2 kW)
E*P (A9P)	indication LED
F1B	# overcurrent fuse backup heater
F1T	thermal fuse backup heater
F1U, F2U (A4P)	* fuse 5 A 250 V for digital I/O PCB
FU1 (A1P)	fuse T 5A 250 V for PCB
K1A, K2A	* high voltage smartgrid relay
K1M, K2M	contactor backup 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
M3S	* 3 way valve for space heating /domestic hot water
P1M	MMI display
PC (A15P)	* power circuit
PHC1 (A4P)	* optocoupler input circuit
Q1L	thermal protector backup heater
Q4L	# safety thermostat

POSITION IN SWITCH BOX



Part n°	Description
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, R8T	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
S4S	# smart grid feed-in
S6S-S9S	* digital power limitation inputs
S10S-S11S	# low voltage smartgrid contact
SS1 (A4P)	* selector switch
SW1~2 (A11P)	turn buttons
SW3~5 (A11P)	push button
TR1	power supply transformer
X6M	# BUH power supply terminal strip
X10M	* smartgrid power supply terminal strip
X*, X*A, X*H*, X*Y	connector
X*M	terminal strip

*: optional

#: field supply