

NOTES to go through before starting the unit

- X1M

: Main terminal
- X2M

: Field wiring terminal for AC
- X5M

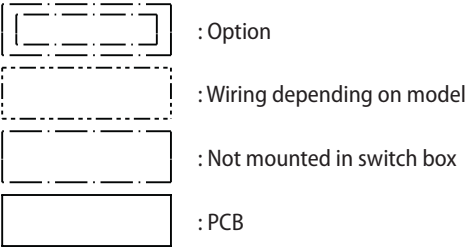
: Field wiring terminal for DC
- X6M

: 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:

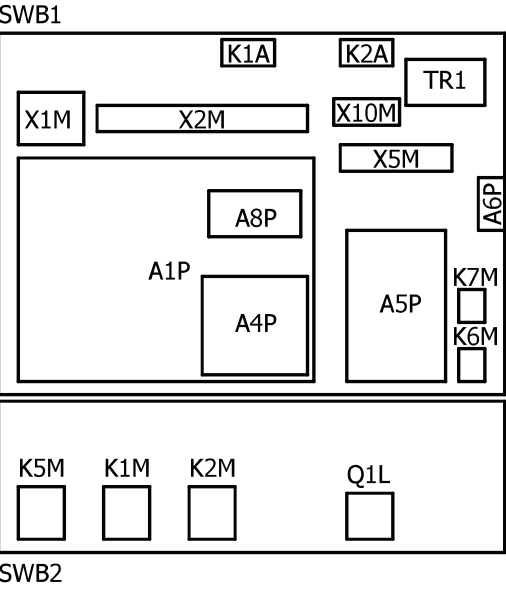
☐ ON/OFF thermostat (wired)

☐ ON/OFF thermostat (wireless)

☐ Ext. thermistor

☐ Heat pump convector

POSITION IN SWITCH BOX



LEGEND

Part n°	Description	Part n°	Description
A1P	main PCB	M3P	main zone pump
A2P	* ON/OFF thermostat (PC=power circuit)	M3S	3 way valve for space heating /domestic hot water
A3P	* heat pump convector	P1M	MMI display
A4P	* digital I/O PCB	PC (A15P)	* power circuit
A5P	bizone PCB	PHC1 (A4P)	* optocoupler input circuit
A6P	current loop PCB	Q1L	thermal protector backup heater
A8P	* demand PCB	Q3L, Q4L	# safety thermostat
A9P	status indicator	Q*DI	# earth leakage circuit breaker
A11P	MMI main PCB	R1H (A2P)	* humidity sensor
A13P	* LAN adapter	R1T (A1P)	outlet water heat exchanger thermistor
A14P	* user interface PCB	R1T (A2P)	* ambient sensor ON/OFF thermostat
A15P	* receiver PCB (wireless ON/OFF thermostat)	R1T (A14P)	* ambient sensor user interface
A20P	* WLAN module	R2T (A1P)	outlet backup heater thermistor
B2L	pulse type flow sensor	R2T (A2P)	* external sensor (floor or ambient)
B1PW	water pressure sensor	R3T	refrigerant liquid side thermistor
CN* (A4P)	* connector	R4T	inlet water thermistor
DS1 (A5P)	dipswitch	R5T, R8T	domestic hot water thermistor
DS1 (A8P)	* dipswitch	R6T	* external indoor or outdoor ambient thermistor
E1H	backup heater element (1 kW)	R7T	mixed leaving water thermistor
E2H	backup heater element (2 kW)	S1S	# preferential kWh rate PS contact
E*P (A9P)	indication LED	S2S	# electrical meter pulse input 1
F1B	# overcurrent fuse backup heater	S3S	# electrical meter pulse input 2
F1T	thermal fuse backup heater	S4S	# smart grid feed-in
F1U, F2U (A4P)	* fuse 5 A 250 V for digital I/O PCB	S6S-S9S	* digital power limitation inputs
F1U, F2U (A5P)	fuse 3.15 A 250 V for PCB	S10S-S11S	# low voltage smartgrid contact
FU1 (A1P)	fuse T 5A 250 V for PCB	SS1 (A4P)	* selector switch
K1A, K2A	* high voltage smartgrid relay	SW1~2 (A11P)	turn buttons
K1M, K2M	contactor backup heater	SW3~5 (A11P)	push button
K5M	safety contactor BUH	TR1	power supply transformer
K6M	relay 3 way valve bypass	X6M	# BUH power supply terminal strip
K7M	relay 3 way valve flow	X10M	* smartgrid power supply terminal strip
K*R (A1P, A4P)	relay on PCB	X*, X*A, X*H*, X*Y	connector
M1P	additional zone pump	X*M	terminal strip
M1S	mixing 3 way valve		
M2P	# domestic hot water pump		
M2S	# 2 way valve for cooling mode		

* : optional

#: field supply