

NOTES to go through before starting the unit

- X1M

: Main terminal
- X2M

: Field wiring terminal for AC
- X5M

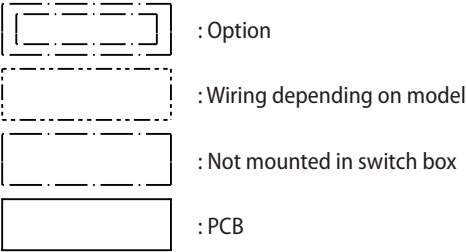
: Field wiring terminal for DC
- X6M

: 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

☐ 3V (1N~, 230V, 3kW)

☐ 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
- Main LWT:

☐ ON/OFF thermostat (wired)

☐ ON/OFF thermostat (wireless)

☐ Ext. thermistor

☐ Heat pump convector
- Add LWT:

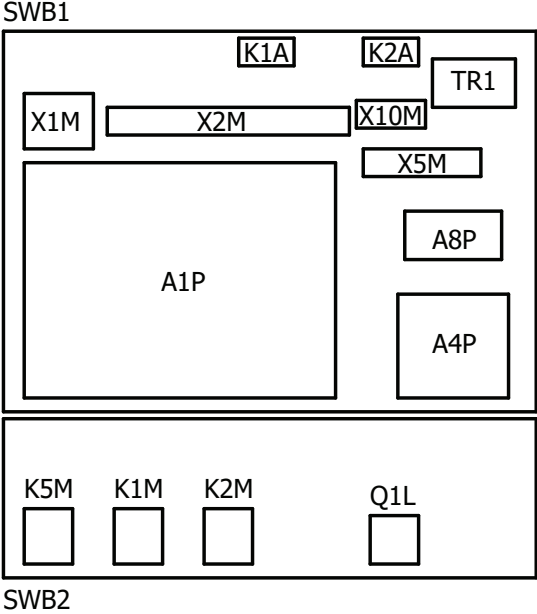
☐ ON/OFF thermostat (wired)

☐ ON/OFF thermostat (wireless)

☐ Ext. thermistor

☐ Heat pump convector

POSITION IN SWITCH BOX



LEGEND

| Part n°        |   | Description                                      | Part n°            |   | Description                                   |
|----------------|---|--------------------------------------------------|--------------------|---|-----------------------------------------------|
| A1P            |   | main PCB                                         | P1M                |   | MMI display                                   |
| A2P            | * | ON/OFF thermostat (PC=power circuit)             | PC (A15P)          | * | power circuit                                 |
| A3P            | * | heat pump convector                              | PHC1 (A4P)         | * | optocoupler input circuit                     |
| A4P            | * | digital I/O PCB                                  | Q1L                |   | thermal protector backup heater               |
| A8P            | * | demand PCB                                       | 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            |   | flow sensor                                      | R2T (A2P)          | * | external sensor (floor or ambient)            |
| B1PR           |   | refrigerant pressure sensor                      | R3T                |   | refrigerant liquid side thermistor            |
| B1PW           |   | water pressure sensor                            | R4T                |   | inlet water thermistor                        |
| CN* (A4P)      | * | connector                                        | R5T, R8T           |   | domestic hot water thermistor                 |
| DS1 (A8P)      | * | dipswitch                                        | R6T                | * | external indoor or outdoor ambient thermistor |
| E1H            |   | backup heater element (1 kW)                     | S1S                | # | preferential kWh rate PS contact              |
| E2H            |   | backup heater element (2 kW)                     | S2S                | # | electrical meter pulse input 1                |
| E*P (A9P)      |   | indication LED                                   | S3S                | # | electrical meter pulse input 2                |
| F1B            | # | overcurrent fuse backup heater                   | S4S                | # | smart grid feed-in                            |
| F1T            |   | thermal fuse backup heater                       | S6S-S9S            | * | digital power limitation inputs               |
| F1U, F2U (A4P) | * | fuse 5 A 250 V for digital I/O PCB               | S10S-S11S          | # | low voltage smartgrid contact                 |
| FU1 (A1P)      |   | fuse T 6.3 A 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                      |
| K*R (A1P-A4P)  |   | relay on PCB                                     | X6M                | # | BUH power supply terminal strip               |
| M1P            |   | main supply pump                                 | X10M               | * | smartgrid power supply terminal strip         |
| M2P            | # | domestic hot water pump                          | X*, X*A, X*H*, X*Y |   | connector                                     |
| M2S            | # | 2 way valve for cooling mode                     | X*M                |   | terminal strip                                |
| M3S            |   | 3 way valve for spaceheating/ domestic hot water |                    |   |                                               |

\* : optional

#: field supply