

9 Wiring diagrams

9 - 1 Notes & Legend

EBVH-D6V / EBVH-D9W / EBVH-UD6V / EBVX-D6V / EBVX-D9W

NOTES to go through before starting the unit

X1M	: Main terminal		: Option
X2M	: Field wiring terminal for AC		: Wiring depending on model
X5M	: Field wiring terminal for DC		
X6M	: BUH Power supply terminal		
X10M	: Smartgrid terminal		
— — — —	: Earth wiring		
— — — —	: Field supply		
(1)	: Several wiring possibilities		: PCB

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

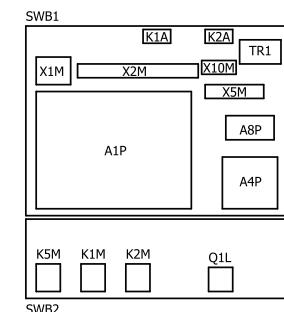
Backup heater power supply GT1 (3~, 230V, 6kW) 6V3 (1N~, 230V, 6kW) 6WN/9WN (3N~, 400V, 6/9kW)

User installed options: Remote user interface Ext. indoor thermistor Ext. outdoor thermistor Digital I/O PCB Demand PCB Safety thermostat Smartgrid kit WLAN adapter module WLAN cartridge Bizon 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
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
A14P	* user interface PCB
A15P	* receiver PCB (wireless ON/OFF thermostat)
A20P	* WLAN module
A30P	* Bizon 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 5 A 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 spaceheating/ domestic hot water
P1M	MMI display
PC (A15P)	* power circuit

* : optional # : field supply

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EBVZ-D6V EBVZ-D9W

NOTES to go through before starting the unit

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X6M	: BUH Power supply terminal		
X10M	: Smartgrid terminal		
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— — — —	: Field supply		
(1)	: Several wiring possibilities		: PCB

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

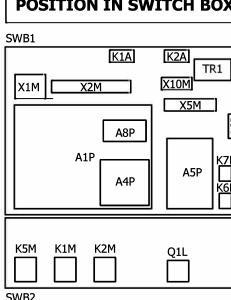
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LEGEND

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A1P	main PCB
A2P	* On/OFF thermostat (PC=power circuit)
A3P	* heat pump convector
A4P	* digital I/O PCB
A5P	bizon PCB
A6P	current loop PCB
A8P	* demand PCB
A9P	status indicator
A11P	MMI main PCB
A14P	* user interface PCB
A15P	* receiver PCB (wireless On/Off thermostat)
A20P	* WLAN module
B2L	pulse type flow sensor
B1PW	water pressure sensor
CN*(A4P)	* connector
DS1 (A5P)	dipswitch
DS1 (A8P)	* dipswitch
E1H	backup heater element (1 kW)
E2H	backup heater element (2 kW)
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K1A, K2A	* high voltage smartgrid relay
K1M, K2M	contactor backup heater
K5M	safety contactor BUH
K6M	relay 3 way valve bypass
K7M	relay 3 way valve flow
K*R (A1P, A4P)	relay on PCB
M1P	additional zone pump
M1S	mixing 3 way valve
M2P	# domestic hot water pump

Translation can be found in the installation manual.

* : optional

: field supply

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9 Wiring diagrams

9 - 2 Control Circuit

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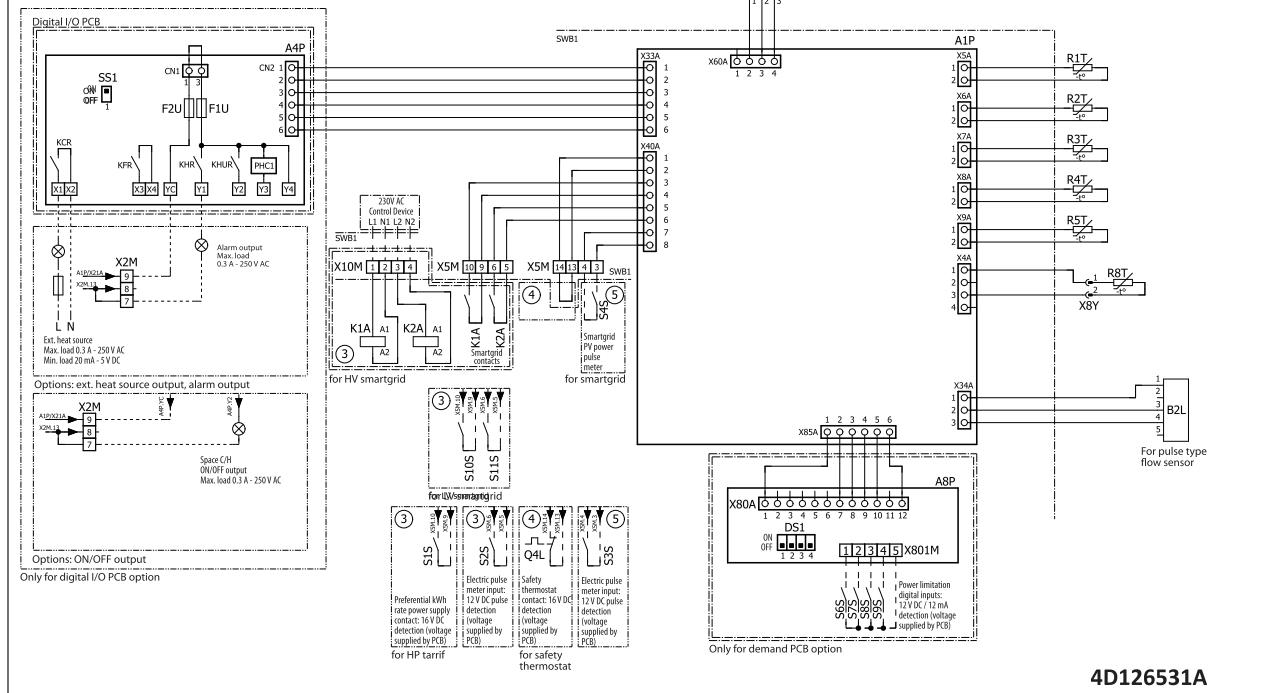
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EBVH-D9W

EBVH-UD6V

EBVX-D6V

EBVX-D9W



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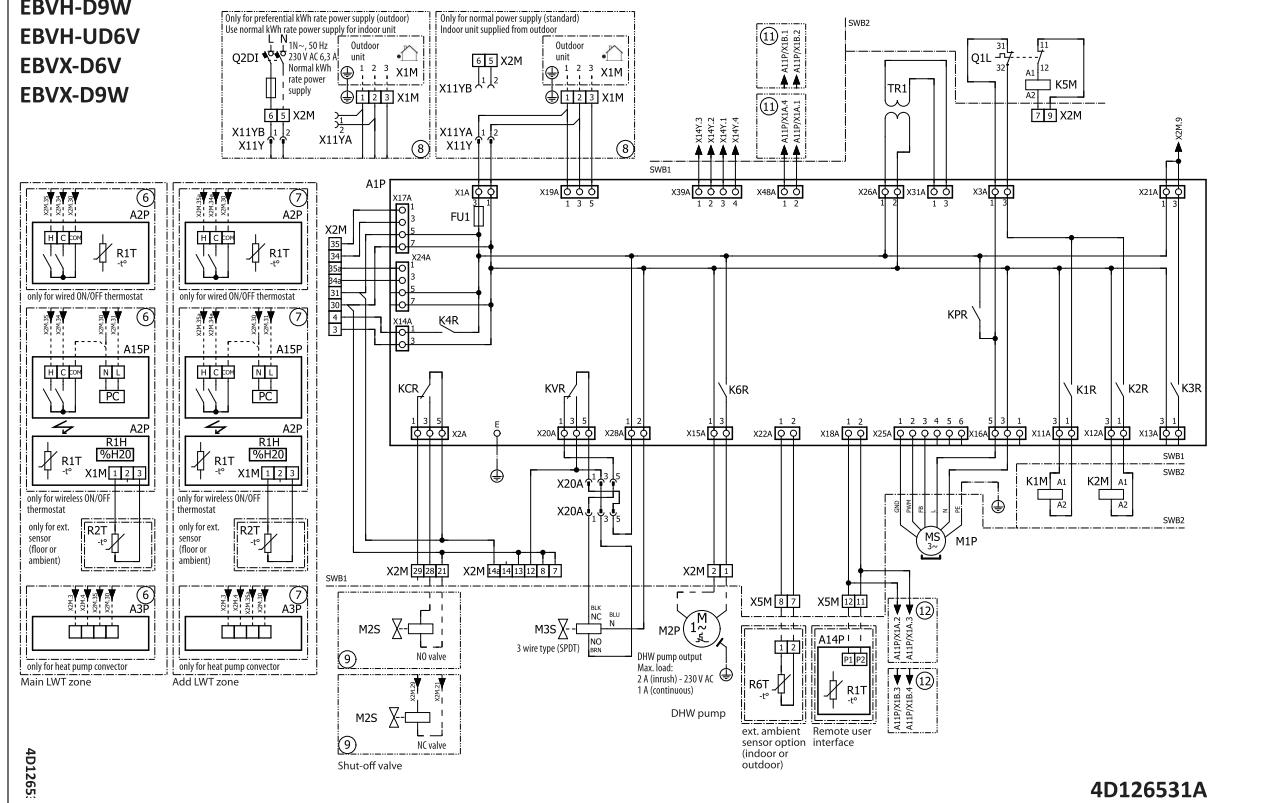
EBVH-D6V

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