EHVZ-CB

NOTES TO GO THROUGH BEFORE STARTING THE UNIT

X1M : Main terminal
X2M : Field wiring terminal for AC
X5M : Field wiring terminal for DC

— - — - : Earth wiring
15 : Wire number 15
- - - - - - - - - - : Field supply
→ **/12.2 : Connection ** continues on page 12 column 2
① : Several wiring possibilities

: Option

: Wiring depending on model

: Not mounted in switchbox

: PCB

User installed options:

- □ Domestic hot water tank
- □ Remote user interface
- □ Ext. indoor thermistor
- □ Ext. outdoor thermistor
- □ Digital I/O PCB
- □ Demand PCB
- □ Bottom plate heater

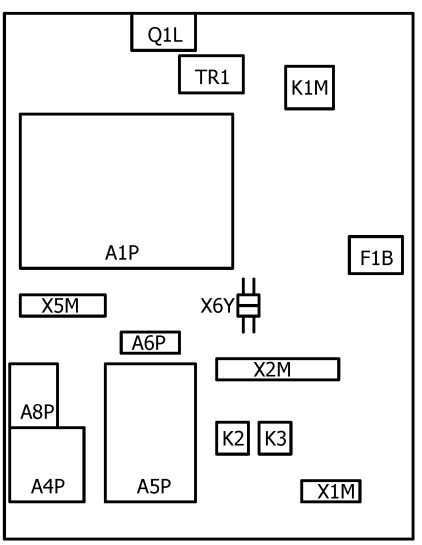
Main LWT:

- □ ON/OFF thermostat (Wired)
- □ ON/OFF thermostat (Wireless)
  - □ Ext. Thermistor
- □ Heat pump convector
- □ Safety thermostat

Add LWT:

- □ ON/OFF thermostat (Wired)
- □ ON/OFF thermostat (Wireless)
  - □ Ext. Thermistor
- □ Heat pump convector

POSITION IN SWITCHBOX



LEGEND

* : Optional
\# : Field supply

A1P		: Main PCB
A2P		: User interface PCB
A3P	*	: ON/OFF thermostat (PC=Power circuit)
A3P	*	: Heat pump convector
A4P	*	: Digital I/O PCB
A4P	*	: Receiver PCB (wireless ON/OFF thermostat)
A5P		: Bizone PCB
A6P		: Current loop PCB
A8P	*	: Demand PCB
B1L		: Flow sensor
DS1 (A5P)	*	: Dipswitch
DS1 (A8P)		: Dipswitch
E3H		: Backup heater element (3 kW)
F1B		: Overcurrent fuse backup heater
F1T		: Thermal fuse backup heater
F1U (A4P)	*	: Fuse 5A 250V for digital I/O PCB
F2U (A4P)	*	: Fuse 5A 250V for digital I/O PCB
F1U (A5P)		: Fuse T 2A 250 V for PCB
F2U (A5P)		: Fuse T 2A 250 V for PCB
FU1 (A1P)		: Fuse T 6.3A 250 V for PCB
FU2 (A1P)		: Fuse T 6.3A 250 V for PCB
K1M		: Contactor backup heater
K2M		: Relay 3-way valve bypass
K3M		: Relay 3-way valve flow
K*R		: Relay on PCB
M1P		: Additional zone pump
M2P	#	: Domestic hot water pump
M3P		: Main zone pump
M1S		: Mixing 3-way valve
M2S	#	: 2 way valve for cooling mode
M3S		: 3-way valve for space heating / domestic hot water
PHC1 (A4P)	*	: Optocoupler input circuit
Q1DI, Q2DI	#	: Earth leakage circuit breaker
Q1L		: Thermal protector backup heater
Q3L	#	: Safety thermostat
R1T (A1P)		: Outlet water heat exchanger thermistor
R1T (A2P)		: Ambient sensor user interface
R1T (A3P)	*	: Ambient sensor ON/OFF thermostat
R2T (A1P)		: Outlet backup heater thermistor
R2T (A3P)	*	: External sensor (floor or ambient)
R3T (A1P)		: Refrigerant liquid side thermistor
R4T (A1P)		: Inlet water thermistor
R5T (A1P)		: Domestic hot water thermistor
R6T (A1P)	*	: External indoor or outdoor ambient thermistor
R7T (A5P)		: Mixing leaving water thermistor
R1H (A3P)	*	: Humidity sensor
S1S	#	: Preferential kWh rate power supply contact
S2S	#	: Electrical meter pulse input 1
S3S	#	: Electrical meter pulse input 2
S6S-S9S	#	: Digital power limitation inputs
SS1 (A4P)	*	: Selector switch
TR1		: Power supply transformer
X*M		: Terminal strip
X*Y		: Connector