EHBH-CBV

NOTES TO GO THROUGH BEFORE STARTING THE UNIT

X1M : Main terminal
X2M : Field wiring terminal for AC
X5M : Field wiring terminal for DC
X3M : Backup heater terminal
X4M : Anti-legionella heater terminal

— - — - : 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

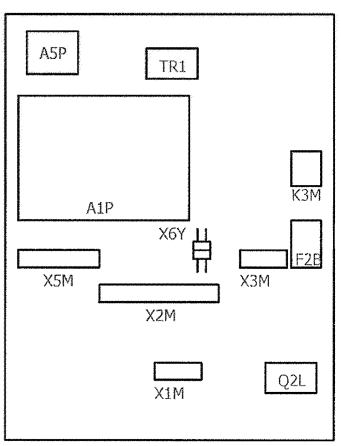
User installed options:
□ Anti-legionella heater
□ Backup heater
□ Bottom plate heater
□ Domestic hot water tank
□ Domestic hot water tank with solar connection
□ Remote user interface
□ Ext. indoor thermistor
□ Ext. outdoor thermistor
□ Digital I/O PCB
□ Demand PCB
□ Solar pump and control station
Main 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

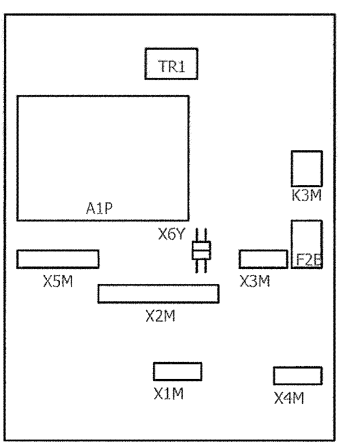
* : Optional
(*) : Standard for EHVH*, Optional for EHBH*
: Field supply

A1P		: Main PCB
A2P		: User interface PCB
A3P	*	: Solar pumpstation 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		: Anode driver PCB
A8P	*	: Demand PCB
B1L		: Flow sensor
BSK	*	: Solar pump station relay
DS1 (A8P)	*	: Dipswitch
E1A		: Electrical anode
E4H	*	: Anti-legionella heater (3kW)
E5H		: Anti-legionella heater (2.4kW)
F2B	*	: Overcurrent fuse anti-legionella heater
F2T		: Thermal fuse anti-legionella heater
F1U, F2U	*	: Fuse 5A 250V for digital I/O PCB
FU1, FU2		: Fuse T 6.3A 250V for PCB
PHC1 (A4P)	*	: Optocoupler input circuit
K1	*	: Terminal strip
K2	*	: Anti-legionella heater
K3M	(*)	: Contactor anti-legionella heater
K*R		: Relay on PCB
M1P		: Main supply pump
M2P	#	: Domestic hot water pump
M2S	#	: Shut off valve
M3S	(*)	: 3 way valve for floorheating/domestic hot water
Q1DI, Q2DI	#	: Earth leakage circuit breaker
Q2L	(*)	: Thermal protector anti-legionella heater
Q3L	*	: Thermal protector anti-legionella heater
R1T		: Outlet water heat exchanger thermistor
R1T (A2P)		: Ambient sensor user interface
R1T (A3P)	*	: Ambient sensor ON/OFF thermostat
R2T	*	: External sensor (floor or ambient)
R3T		: Refrigerant liquid side thermistor
R4T		: Inlet water thermistor
R5T	(*)	: Domestic hot water thermistor
R6T	*	: External indoor or outdoor ambient thermistor
R1H (A3P)	*	: Humidity sensor
S1S	#	: Preferential kWh rate power supply contact
S2S	#	: Electrical meter pulse input 1
S3S	#	: Electrical meter pulse input 2
S4S	#	: Safety thermostat
S6S-S9S	#	: Digital power limitation inputs
SS1 (A4P)	*	: Selector switch
STB	*	: Thermal protector anti-legionella heater
TR1		: Power supply transformer
X1B*		: Connector
X*M		: Terminal strip
X*Y		: Connector

POSITION IN SWITCHBOX



EHVH*



EHBH*