CHVX-A

NOTES to go through before starting the unit

X1M : Main terminal outdoor unit
X2M : Field terminal AC indoor unit
X5M : Field terminal DC indoor unit
X6M : Field terminal BUH power suppply
—·—·— : Earth wiring
– – – – – – : Field supply
(1) : Several wiring possibilities

: Option
: Wiring depending on model
: Not mounted in switch box
: PCB

NOTES

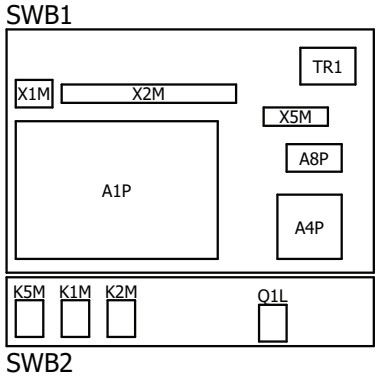
1. Connection point of the power supply for the BUH should be foreseen outside the unit.

Backup heater power supply
- ☐ 4T1 (4.5kW 3 ~, 230V)
- ☐ 4V3 (4.5kW 1/N~, 230V)
- ☐ 9WN (9kW 3/N~, 400V)

User installed options:
- ☐ Remote user interface
- ☐ Ext. indoor thermistor
- ☐ Ext. outdoor thermistor
- ☐ Safety thermostat
- ☐ W-LAN cartridge
- ☐ Bizone mixing kit

Main LWT:
- ☐ ON/OFF thermostat (wired)
- ☐ ON/OFF thermostat (wireless)
  - ☐ Ext. thermistor
- ☐ Heat pump convector

POSITION IN SWITCH BOX



LEGEND

Part n°		Description
A1P		Hydro PCB
A2P	*	ON/OFF thermostat (PC=power circuit)
A3P	*	Heat Pump Convector
A4P	*	Digital I/O PCB
A9P		Daikin Eye (Status indicator)
A11P		MMI main PCB
A14P	*	Remote user interface
A15P	*	Receiver PCB (wireless ON/OFF thermostat)
A20P	*	WLAN module
A30P	*	Bizone mixing kit
B2L		Flow sensor
B1PR		Refrigerant pressure sensor
B1PW		Water pressure sensor
CN* (A4P)	*	Connector
E1H		Backup heater element (1kW)
E2H		Backup heater element (1.5kW)
E3H		Backup heater element (2kW)
E*P (A9P)		Indication LED
F1B	#	Overcurrent fuse backup heater
F1T		Thermal fuse backup heater
F1U, F2U (A4P)	*	Fuse T 5A 250V for digital I/O PCB
FU1 (A1P)		Fuse T 5A 250V for PCB
K1M, K2M		Contactor backup heater
K5M		Safety contactor backup heater
K*R (A*P)		Relay on PCB
M1P		Main supply pump
M2P	#	Domestic hot water pump
M2S	#	2-way valve for cooling mode
M3S		Bypass mixing 3-way valve
M4P	#	Secondary Pump
P*		Connector
P1M		display

Part n°		Description
PC (A15P)	*	Power circuit
PHC1 (A4P)	*	Optocoupler input circuit
Q*DI	#	Earth leakage circuit breaker
Q1L		Thermal protector backup heater
Q4L	#	Safety thermostat
R1H (A2P)	*	Humidity sensor
R1T (A1P)		Outlet water heat exchanger thermistor
R1T (A2P)	*	Ambient sensor ON/OFF thermostat
R1T (A14P)	*	Ambient sensor user interface
R2T (A1P)		Outlet backup heater thermistor
R2T (A2P)	*	External sensor (floor or ambient)
R3T		Refrigerant liquid side thermistor
R4T		Inlet water thermistor
R5T, R8T		Domestic hot water thermistor
R6T	*	External in- or outdoor ambient thermistor
R20T	*	BUH top thermistor
S1S	#	Preferential kWh rate PS contact
SS1 (A4P)	*	Selector switch
SW1 ~ SW2 (A11P)		Turn buttons
SW3 ~ SW5 (A11P)		Push buttons
ST* (A30P)		Connector
TR1		Power supply transformer
X6M	#	Terminal strip PUH power supply
X*, Y* (A4P)		Connector
X*A, X*Y, X*Y*		Connector
X*H, X*HA		Connector
X*M		Terminal strip

* : optional #: field supply